

**INVITATION FOR BIDS (IFB) 3-1615
BOOK 1 OF 2**

**DEMOLITION SERVICES - RAYMOND
GRADE SEPARATION PROJECT -
FULLERTON**



**ORANGE COUNTY TRANSPORTATION AUTHORITY
550 South Main Street
P.O. Box 14184
Orange, CA 92863-1584
(714) 560-6282**

Key IFB Dates

Issue Date:	July 9, 2013
Pre-Bid Conference/Site Visit:	August 8, 2013
Question/Approved Equal Submittal:	August 12, 2013
Bid Submittal Date:	August 23, 2013

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July 9, 2013

**SUBJECT: NOTICE INVITING SEALED BIDS
IFB 3-1615, "DEMOLITION SERVICES - RAYMOND GRADE
SEPARATION PROJECT - FULLERTON"**

TO: ALL BIDDERS

FROM: ORANGE COUNTY TRANSPORTATION AUTHORITY

The Orange County Transportation Authority (Authority) invites sealed bids for DEMOLITION SERVICES - RAYMOND GRADE SEPARATION PROJECT - FULLERTON

The description of this project is Contractor shall provide Demolition Services for the Raymond Avenue Grade Separation Project, Fullerton.

The estimated cost for this project is \$700,000.00. Bidders will be required to hold a valid State of California **A or C-21** license.

Bids must be received in the Authority's office at or before 11:00 a.m., on August 23, 2013.

Bids delivered in person or by a means other than the U.S. Postal Service shall be submitted to the following:

**Orange County Transportation Authority
Contracts Administration and Materials Management
600 South Main Street, 4th Floor
Orange, California 92868
Attention: Marjorie Morris Threats, Senior Contract Administrator**

Or bids delivered using the U.S. Postal Service shall be addressed as follows:

**Orange County Transportation Authority
Contracts Administration and Materials Management
550 South Main Street
P.O. Box 14184
Orange, California 92863-1584
Attention: Marjorie Morris Threats, Senior Contract Administrator**

Bids and amendments to bids received after the date and time specified above will be returned to the bidders unopened.

Bidders interested in obtaining a copy of this Invitation for Bids (IFB) may do so by downloading the IFB from CAMM NET the Authority's on-line website at www.octa.net/cammnet.

All bidders and sub contractors interested in doing business with the Authority are required to register their business on-line at CAMM NET. The website can be found at www.octa.net. from the site menu, click on CAMM NET to register.

To receive all further information regarding this IFB, bidders and sub-contractors must be registered on CAMM NET with at least one of the following commodity codes for this solicitation selected as part of the vendor's on-line registration profile:

Category:

Construction

Commodity:

Construction (General)

General Contractor

Wrecking / Demolition

A pre-bid conference will be held on **August 8, 2013**, at 10:00 a.m.. Immediately following the pre-bid conference, a job walk will be conducted. All prospective bidders are strongly encouraged to attend.

Bidders are encouraged to subcontract with small businesses to the maximum extent possible.

All bidders will be required to comply with all applicable equal opportunity laws and regulations.

Award of this contract is subject to receipt of federal, state and/or local funds adequate to carry out the provisions of the agreement including the project specification.

SECTION I: INSTRUCTIONS TO BIDDERS

SECTION I. INSTRUCTIONS TO BIDDERS**A. PRE-BID CONFERENCE/SITE VISIT**

A pre-bid conference will be held on **August 8, 2013**, at 10:00 a.m. the Authority's Administrative Office, 600 South Main Street, Orange, California, in Conference Room 154. Immediately following the pre-bid conference, a job walk will be conducted. All prospective bidders are strongly encouraged to attend the pre-bid conference and the site visit. The site-visit location is 1132 E Walnut Avenue, Fullerton, CA 92831.

By investigation of the work site, bidder shall be satisfied as to the nature and location of the work and shall be fully informed as to all conditions and matters, which can in any way affect the work or the cost thereof. Prospective bidders should familiarize themselves with OCTA safety rules that require that pedestrians must wear approved safety vests. Please bring a safety vest for the job walk.

B. EXAMINATION OF DOCUMENTS

By submitting a bid, the bidder represents that it has thoroughly examined and become familiar with the work required under this IFB and that it is capable of performing quality work to achieve the Authority's objectives. .

A Bid Booklet has been furnished as Book 2 of this IFB.

C. ADDENDA

The Authority reserves the right to revise the IFB documents. Such, if any, will be made by written addendum to this IFB. Any written addenda issued pertaining to this IFB shall be incorporated into the terms and conditions of any resulting Agreement. The Authority will not be bound to any modifications to or deviations from the requirements set forth in this IFB as the result of oral instructions. Bidders shall acknowledge receipt of addenda in their bids. Failure to acknowledge receipt of Addenda may cause the bid to be deemed non-responsive to this IFB and be rejected.

D. AUTHORITY CONTACT

All questions and/or contacts with Authority staff regarding this IFB are to be directed to the following Contract Administrator:

Marjorie Morris Threats, Senior Contract Administrator
Contracts Administration and Materials Management Department
600 South Main Street
P.O. Box 14184
Orange, CA 92863-1584

Phone: 714.560.5633, Fax: 714.560.5792
Email: mthreats@octa.net

E. CLARIFICATIONS OF SPECIFICATIONS AND APPROVED EQUALS

1. Specifications Review

Should a bidder find discrepancies in, or omissions from, the drawings or specifications, or be in doubt as to their meaning, the bidder shall notify the Authority in writing in accordance with item 3 ("Submitting Requests"), below. Should it be found that the point in question is not clearly and fully set forth, a written addendum clarifying the matter will be sent to all firms registered on CAMM NET under the commodity codes specified in the IFB.

2. Preference for Materials

In accordance with the California Public Contract Code Section 3400, reference to any equipment, material, article or patented process, by trade name, make, or catalog number, shall not be construed as limiting competition. In those cases where the specifications call for a designated material, product, or service by specific brand or trade name and there is only one brand or trade name listed, the item involves a unique or novel product application required to be used in the public interest or is the only brand or trade name known to the Authority.

Where the specifications or drawings identify any material, product or service by one or more brand names, whether or not "or equal" is added, and the bidder wishes to propose the use of another item as being equal, approval shall be requested as set forth in below.

3. Submitting Requests

- a.** All requests for approved equals, clarification of specifications, or questions must be put in writing and must be received by the Authority no later than 5:00 p.m., on August 12, 2013.
- b.** Requests for approved equals, clarifications, questions must be clearly labeled, "Written Questions". The Authority is not responsible for failure to respond to a request that has not been labeled as such.
- c.** Any of the following methods of delivering written questions are acceptable as long as the questions are received no later than the date and time specified above:

1. U.S. Mail: Orange County Transportation Authority, P.O. Box 14184, Orange, California 92863-1584.
 2. Courier/Overnight: Orange County Transportation Authority, 600 South Main Street, 4th floor, Orange, California
 3. Facsimile: (714) 560-5792.
 4. E-Mail: mthreats@octa.net
- d. Any request for an approved equal or clarification of the specifications must be fully supported with technical data, test results, or other pertinent information as evidence that the substitute offered is equal to or better than the specification requirements. The burden of proof as to the equality, substitutability, and the compatibility of proposed alternates or equals shall be upon the bidder, who shall furnish all necessary information at no cost to the Authority. The Authority shall be the sole judge as to the equality, substitutability and compatibility of the proposed alternatives or equals.

4. Authority Responses

Responses from the Authority will be posted on CAMM NET, no later than August 15, 2013 no later than five (5) calendar days before the scheduled date of bid opening. Bidders may download responses from CAMM NET at www.octa.net/cammnet, or request responses be sent via U.S. Mail by e-mailing or faxing the request to Marjorie Morris Threats, Senior Contract Administrator.

To receive e-mail notification of Authority responses when they are posted on CAMM NET, bidders and their subcontractors must be registered on CAMM NET with at least one of the following commodity codes for this solicitation selected as part of the vendor's on-line registration profile:

Category:
Construction

Commodity:
Construction (General)
General Contractor
Wrecking / Demolition

Inquiries received after 5:00 p.m. on August 12, 2013, will not be responded to.

F. SUBMISSION OF BIDS

1. Date and Time

Bids must be submitted at or before 11:00 a.m., August 23, 2013.

Bids received after the above specified date and time will be returned to bidders unopened.

Bids will be publicly opened in the Authority's Administration Office, 600 South Main Street, Orange, California 92863 at the submission time indicated above.

2. Address

Bids delivered in person or by a means other than the U.S. Postal Service shall be submitted to the following:

**Orange County Transportation Authority
Contracts Administration and Materials Management (CAMM)
600 South Main Street, 4th Floor
Orange, California 92868
Attention: Marjorie Morris Threats, Senior Contract Administrator**

Or bids delivered using the U.S. Postal Services shall be addressed as follows:

**Orange County Transportation Authority
Contracts Administration and Materials Management (CAMM)
P.O. Box 14184
Orange, California 92863-1584
Attention: Marjorie Morris Threats, Senior Contract Administrator**

Firms must obtain a visitor badge from the receptionist in the lobby of the 600 Building prior to delivering any information to CAMM.

3. Bid Booklet and Identification of Bids

Bids must be submitted on the forms provided in the Bid Booklet (Book 2 of 2) that accompanies this IFB. Bids shall include properly completed bidding forms. The bid forms must be enclosed in a sealed package clearly marked as follows:

**IFB 3-1615, "DEMOLITION SERVICES - RAYMOND GRADE
SEPARATION PROJECT - FULLERTON"**

Bidder shall be entirely responsible for any consequences, including disqualification of the bid, resulting from any inadvertent opening of unsealed or improperly identified packages. It is the bidder's sole responsibility to see that its bid is received as required.

G. PRE-CONTRACTUAL EXPENSES

The Authority shall not, in any event, be liable for any pre-contractual expenses incurred by bidder in the preparation of its bid. Bidder shall not include any such expenses as part of its bid.

Pre-contractual expenses are defined as expenses incurred by bidder in:

1. Preparing a bid in response to this IFB;
2. Submitting that bid to the Authority;
3. Negotiating with the Authority any matter related to this bid; and
4. Any other expenses incurred by bidder prior to date of award, if any, of the Agreement.

H. JOINT BIDS

Where two or more firms desire to submit a single bid in response to this IFB, they should do so on a prime-subcontractor basis rather than as a joint venture. The Authority intends to contract with a single firm and not with multiple firms doing business as a joint venture.

I. TAXES

Bids are subject to State and Local sales taxes. However, the Authority is exempt from the payment of Federal Excise and Transportation Taxes. Contractor is responsible for payment of all taxes for any goods, services, processes, and operations incidental to or involved in the contract.

J. BID SECURITY FORMS

Bids shall be accompanied by a certified or cashier's check, or an acceptable bid bond for an amount not less than ten percent (10%) of the bid, made payable to the order of the Orange County Transportation Authority. A corporate surety (not an individual surety), registered in the state of California and registered to do business in the county of Orange must issue bid bonds. Said check or bond shall be given as a guarantee that the bidder will enter into a contract if awarded the work and in case of refusal or failure to enter into said contract, the check or bond, as the case may be, shall be forfeited to the Authority.

K. WITHDRAWAL OF BIDS

Bidders may withdraw its bid at any time prior to the time set for opening of bids by means of written request signed by the bidder or its proper authorized representative. Such written request shall be delivered to the Contracts Administrator at the address noted in the cover notice.

L. PREVAILING WAGES

This project is subject to all conditions of the State of California commencing in Section 1770 et. seq. It is required that all mechanics and laborers employed or working at the site be paid not less than the current basic hourly rates of pay and fringe benefits. Wage schedules are available on the internet at www.dir.ca.gov/DLSR/statistics_research.html. Bidders shall utilize the relevant prevailing wage determinations in effect on the first advertisement date of the Notice Inviting Sealed Bids.

M. SUBCONTRACTORS AND ASSIGNMENTS

The successful bidder shall perform work equivalent to **at least ten percent (10%) of the total amount of the construction work** at the site; and, perform the work on the site with its own staff.

Pursuant to the provisions of the California Public Contract Code Section 4104, every bidder shall in the bid set forth:

1. The name and business address of each subcontractor who will perform work or labor or render service to the bidder in or about the work in an amount in excess of one-half of one percent (1/2 of 1 %) of the bidder's total bid; and
2. The portion of the work that will be done by each subcontractor. The bidder shall list only one subcontractor for each portion of work as defined by the bidder in its bid.
3. The dollar amount of the work, which will be done by each such subcontractor.

Bidder shall complete Exhibit D "List of Subcontractors" with the above requested information.

If the bidder fails to specify a subcontractor for any portion of the work to be performed under the contract in excess of one-half of one percent (1/2 of 1 %) of the bidder's total bid, or if the bidder specifies more than one (1) subcontractor for the same portion of the work to be performed under the contract in excess of one-half of one percent (1/2 of 1 %) of the bidder's total bid, the bidder agrees to perform that portion. **The successful bidder shall not, without the express written consent of the Authority, either:**

1. Substitute any person, firm, or corporation as subcontractor in place of the subcontractor designed in the original bid; or
2. Permit any subcontract to be assigned or transferred; or
3. Allow it to be performed by anyone other than the original subcontractor listed in the bid.

Bidder shall not assign any interest it may have in any Agreement with the Authority, nor shall bidder assign any portion of the work under any such Agreement with a value in excess of one-half of one percent (1/2 of 1%) of Agreement price to be sub-contracted to any one other than these subcontractors listed in Exhibit D in the "List of Subcontractors," except by prior written consent of Authority. Authority's consent to any assignment shall not be deemed to relieve bidder of its obligations to fully comply with its obligations under its Agreement with the Authority. Bidder with its own forces shall perform minimum of ten percent (10%) (calculated as a percentage of the total cost of the project) under this Agreement. Bidder shall also include in its subcontract agreements the provisions of its Agreement with Authority including the stipulation that each subcontractor shall maintain adequate insurance coverage compatible to the insurance coverage required of the bidder.

N. BIDDER'S LICENSING REQUIREMENTS

In conformance with the current statutory requirements of Section 7028.15 of the Business and Professions Code of the State of California, regarding submission of a bid without a license, the bidder shall provide as part of the bid a valid state of California license number, including license and date of expiration.

Furthermore, the bidder shall ensure that all subcontractors fully comply with the appropriate licensing requirements. The bidder shall also certify that all information provided and representations made in the bid are true and correct, and made under penalty of perjury. Bidders shall provide this information on Exhibit D, "List of Subcontractors" presented in the IFB. Failure to provide the information on the certification form or elsewhere as part of the bid shall render the bidder nonresponsive to this solicitation and will result in the rejection of the bid.

O. PERMITS AND INSPECTION COSTS

Successful bidder shall procure all permits and licenses; pay all charges, assessments and fees, as may be required by the ordinances and regulations of the public agencies having jurisdiction over the areas in which the work is located, and shall comply with all the terms and conditions thereof and with all lawful orders and regulations of each such public agency relating to construction operations under the jurisdiction of such agency.

P. LIQUIDATED DAMAGES

In the event bidder, after entering into an Agreement with the Authority, fails to complete the work within the time specified in the Agreement, the bidder will be required to pay the Authority the amount of **\$1,000.00 per calendar day** of delay as agreed to liquidated damages.

Q. PROTEST PROCEDURES

The Authority has on file a set of written protest procedures applicable to this solicitation that may be obtained by contacting the Contract Administrator responsible for this procurement. Any protest filed by a bidder in connection with this IFB must be submitted in accordance with the Authority's written procedures.

R. CONTRACT AWARD

Any contract awarded as a result of this IFB, will be awarded to the lowest responsive and responsible bidder and shall be on a lump sum basis, in accordance with the requirements of this IFB. The contract to be awarded is the Agreement presented in Section IV of this IFB.

S. EXECUTION OF CONTRACT

The successful bidder shall submit to the Authority the required contract bonds, "Guaranty", and acceptable insurance certificates within fifteen (15) business days after notification of contract award from the Authority. Failure to sign the contract and submit applicable bonds, "Guaranty" and acceptable insurance certificates within the specified time shall be cause to cancel the award and the forfeiture of the Bid Bond. Transfers of contract, or of interest in contracts, are prohibited.

T. AUTHORITY'S RIGHTS

1. The Authority reserves the right to accept or reject any and all bids, or any item or part thereof, or to waive any informalities or irregularities in bids.
2. The Authority reserves the right to withdraw or cancel this IFB at any time without prior notice and the Authority makes no representations that any contract will be awarded to any bidder responding to this IFB.
3. The Authority reserves the right to issue a new IFB for the project.
4. The Authority reserves the right to postpone the bid opening for its own convenience.
5. Each bid will be received with the understanding that acceptance by the

Authority of the bid to provide the goods and services described herein shall constitute a contract between the bidder and Authority which shall bind the bidder on its part to furnish and deliver at the prices given and in accordance with conditions of said accepted bid and specifications.

6. The Authority reserves the right to investigate the qualifications of any bidder, and/or require additional evidence of qualifications to perform the work.
7. Submitted IFBs are not to be copyrighted.

U. PUBLIC RECORDS AND INFORMATION

Bids received by Authority are considered public information and will be made available to the public if requested to do so.

V. CONFLICT OF INTEREST

All bidders responding to this IFB must avoid organizational conflicts of interest which would restrict full and open competition in this procurement. An organizational conflict of interest means that due to other activities, relationships or contracts, a bidder is unable, or potentially unable to render impartial assistance or advice to the Authority; a bidder's objectivity in performing the work identified in the Project Specifications is or might be otherwise impaired; or a bidder has an unfair competitive advantage. Conflict of Interest issues must be fully disclosed in the bidder's bid.

W. CODE OF CONDUCT

Bidders agree to comply with the Authority's Code of Conduct as it relates to Third-Party contracts which is hereby referenced and by this reference is incorporated herein. Bidders agree to include these requirements in all of its subcontracts.

SECTION II: INSTRUCTIONS TO BIDDING FORMS

SECTION II. INSTRUCTIONS TO BIDDING FORMS

The bidder shall complete all the forms identified below, and contained in the Bid Booklet Book 2 of 2 in this IFB. The bid may not contain exceptions to or deviations from the requirements of this IFB.

A. BID FORM

The bidder must complete the Bid Form. In addition to providing the lump sum bid, the bidder affirms the Bid Form statements are true and correct.

B. BID SECURITY FORM - BID BOND

The bidder shall include the Bid Security Form and include the appropriate bid bond or cashier check with the bid.

C. INFORMATION REQUIRED OF BIDDER

Bidder must provide all the information requested in this form.

D. BIDDER'S CERTIFICATE OF COMPLIANCE - WORKERS' COMPENSATION INSURANCE

In conformance with current statutory requirements of Section 1860, et. seq., of the Labor Code of the State of California, Bidder shall execute the bidder's Certificate of Compliance Regarding Workers' Compensation Insurance.

E. BIDDER'S CERTIFICATE OF COMPLIANCE - BUSINESS AND PROFESSIONS CODE SECTION 7028

Bidder shall execute the bidder's Certificate Of Compliance Regarding State of California Business and Professions Code Section 7028.15.

F. LIST OF SUBCONTRACTORS FORM - EXHIBIT D

Bidder shall complete Exhibit D, which lists all subcontractors performing work in excess of one half of one percent (1/2 of 1%) of the bid amount per the instructions set forth in Section I "Instructions to Bidders".

G. PARTY AND PARTICIPANT DISCLOSURE FORMS

In conformance with the statutory requirements of the State of California Government Code Section 84308, part of the Political Reform Act and Title 2, California Code of Regulations 18438 through 18438.8, regarding campaign contributions to members of appointed Boards of Directors, Bidders are required to complete and sign the forms included in this IFB, and submit as part of the bid. Bidders are required to submit only one copy of the completed forms as part of its bid. The prime contractor and subcontractors must complete the form entitled

“Party Disclosure Form”. Lobbyists or agents representing the prime contractor in this procurement must complete the form entitled “Participant Disclosure Form”. Reporting of campaign contributions is a requirement from the bid submittal date up and until the Authority’s Board of Directors takes action. This date is currently scheduled for October 28, 2013. This date is subject to change without prior notice.

H. STATUS OF PAST AND PRESENT CONTRACTS FORM

Bidder is required to complete and sign the form entitled “Status of Past and Present Contracts” provided in this IFB and submit as part of the proposal. Bidder shall list the status of past and present contracts where the firm has either provided services as a prime contractor or a subcontractor during the past five (5) years and the contract has ended or will end in a termination, settlement, or litigation. A separate form must be completed for each contract. Bidder shall provide an accurate name and telephone number for each contract and indicate the term of the contract and the original contract value. If the contract was terminated, bidder must list the reason for termination. Bidder must identify and state the status of any litigation, claims or settlement agreements related to any of the contracts. Each form must be signed by the bidder confirming the information that the information provided is true and accurate. Bidder is required to submit **one** copy of the completed form(s) as part of its proposals and it should be included in only the **original** bid.

I. CERTIFICATION OF NON-COLLUSION

This form requires the Bidder to certify that the bid is not collusive or a sham. This form is to be signed, dated and is part of the bid package in Book 2 of 2.



BID FORM

The undersigned hereby proposes to perform all work for which a contract may be awarded and to furnish any and all plant, labor, services, material, tools, equipment, supplies, transportation, utilities, and all other items and facilities necessary therefore as required in the **Invitation For Bids (IFB) 3-1615**, and to do everything required therein; and further proposes that, if this bid is accepted, will contract in the form and manner stipulated to perform all the work in strict conformity therewith within the time limits set forth therein, and will accept as full payment therefore, the following price:

ITEM	PROP. ID	WORK DESCRIPTION *	A	LUMP SUM PRICE
1	ID-1	349 & 351 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 30,000
2	ID-2	371 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 25,000
3	ID-3	503 S. Raymond Ave – Hazardous Material Removal / Disposal		\$
4	ID-4	505 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 30,000
5	ID-5	511 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 30,000
6	ID-6	522 to 532 S. Raymond Ave – Hazardous Material Removal / Disposal		\$
7	ID-7	525 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 12,000
8	ID-8	529 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 12,000
9	ID-9	535 S. Raymond Ave – Hazardous Material Removal / Disposal		\$
10	ID-10	539 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 12,000
11	ID-11	1124 E. Walnut Ave – Hazardous Material Removal / Disposal	A	\$ 25,000
12	ID-12	1128 E. Walnut Ave – Hazardous Material Removal / Disposal		\$
13	ID-13	1131 E. Walnut Ave – Hazardous Material Removal / Disposal		\$
14	ID-14	1132 E. Walnut Ave – Hazardous Material Removal / Disposal		\$
15	All	MOBILIZATION (cannot exceed 5% of total bid)		\$
16	All	BUILDING DEMOLITION AND SITE CLEARING – All Properties (All other contract work not including work covered by pay items above)		\$
		Demo Services – Raymond Avenue GS Project		
		TOTAL LUMP SUM BID AMOUNT	\$	

BID FORM, PAGE 2

NOTE: The Bidder shall complete the Bid Form in its entirety. The “allowance” amounts allocated is an estimated allowance for hazardous material removal and disposal and shall be inclusive of the total bid amount.

Refer to the Scope of Work, Exhibit B, for a complete description of the work included in the Pay Item. The Description in this form only serves the purpose of a title.

A = Allowance Pay Item. Refer to the Scope of Work, Exhibit B, for more information about Pay Items identified as an Allowance.

In the case of a mathematical error or discrepancy, the corrected figures and sum of the separate Pay Item prices shall be the Total Bid Amount for purposes of bid evaluation and Total Contract Price. The AUTHORITY will correct the error and the corrected Total Bid Amount determined by the AUTHORITY shall be final.

A cashier's check/certified check/bid bond (circle applicable term) properly made payable to Orange County Transportation Authority, hereinafter designated as the _____ Owner, _____ for _____ the _____ sum _____ of _____ Dollars (\$ _____) which

amount is not less than ten percent (10%) of the total amount of this bid, is attached hereto and is given as a guarantee that the undersigned will execute the Agreement and furnish the required bonds, Guaranty, and Certificate of Insurance, if awarded the contract, and in case of failure to do so within the time provided, (a) the proceeds of said check shall be forfeited to the Authority; or (b) surety's liability to the Authority for forfeiture of the face amount of the bond shall be considered as established [circle (a) or (b)].

The undersigned hereby represents that:

BID FORM, PAGE 3

1. Bidder has thoroughly examined and become familiar with the work required and documents included under this IFB. The bidder understands that the award of the contract, if it is awarded, will be based on the lowest total bid submitted by a responsive and responsible bidder, and further, that the amounts and the total on the Bid Form will be subject to verification by the Authority.
2. By investigation at the site of the work and otherwise, it is satisfied as to the nature and location of the work and is fully informed as to all conditions and matters, which can in any way affect the work or the cost thereof.
3. Bidder fully understands the scope of the work/specifications and has checked carefully all words and figures inserted in said Invitation For Bids (IFB) and further understands that the Authority will in no way be responsible for any errors or omissions in the preparation of this bid. Bidder further asserts that it is capable of performing quality work to meet Authority's requirements.
4. Bidder will execute the Agreement and furnish the required Performance and Payment Bonds, Guaranty, and proof of insurance coverage within fifteen (15) business days after notice of acceptance of bid by the Authority; and further, that this bid may not be withdrawn for a period of 120 calendar days after the date set for the opening thereof, unless otherwise required by law. If any bidder shall withdraw its bid within said period, the bidder shall be liable under the provisions of the Bid Security, or the bidder and the surety shall be liable under the Bid Bond, as the case may be.
5. Bidder hereby certifies that this bid is genuine and not a sham or collusive or made in the interest or on behalf of any person not herein named, and the undersigned has not directly or indirectly induced or solicited any other bidder to put in a sham bid, or any other person, firm, or corporation to refrain from bidding; the undersigned has not in any manner sought by collusion to secure for himself an advantage over any other bidder.
6. In conformance with current statutory requirements of Section 1860, et. seq., of the Labor Code of the State of California, the Bidder shall execute the document included in this IFB entitled "Bidder's Certificate of Compliance Regarding Workers' Compensation Insurance."
7. Bidder hereby further certifies that each, and every representations made in this bid are true and correct and made under penalty of perjury.
8. Bidder shall permit the authorized representative of the Authority to inspect and audit all data and records of bidder relating to this bid, and if awarded a contract resulting from this bid, shall permit such inspection and audit of all data and records of bidder related to bidder's performance of such contract.

BID FORM, PAGE 4

9. Bidder does not employ anyone who is now, or for one (1) year immediately prior to the date of this offer was, a director, officer, member, or employee of the Orange County Transportation Authority. The undersigned has not agreed to pay a fee contingent upon the award of a contract resulting from this bid to anyone who is now, or for one (1) year immediately prior to the date of this bid was, a director, officer, member, or employee of the Orange County Transportation Authority.
10. If awarded a contract resulting from this bid, bidder shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age or national origin. The bidder shall take affirmative action to ensure that applicants are employed, and that employees are treated during their employment, without regard to their race, religion, color, sex, age or national origin. Such actions shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
11. Bid will be in effect for 120 calendar days after the bid closing date.

BID FORM, PAGE 5

Now: In compliance with the Invitation For Bids 3-1615, the undersigned, with full cognizance thereof, hereby proposes to perform the entire work in strict compliance with all of the said requirements and provisions for the prices set forth herein upon which award of contract is made. The undersigned affirms that the information provided herein is true and accurate and that any misrepresentations are made under penalty of perjury.

Dated _____, 201_ Bidder _____

The above bid includes Signature _____

Addenda Nos. _____ Name _____

Title _____

Bidder's Authorized Representative _____

Title _____

Telephone # _____

Fax # _____

Email Address _____

Bidder's post office address _____

Corporation organized under the laws of the State of _____

Contractor's License No. _____

Expiration Date of License _____

Surety or sureties _____

(CORPORATE SEAL)

BID SECURITY FORM
BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That, _____ as principal and Bidder and _____ as Surety, are held and firmly bound unto the Orange County Transportation Authority, of State of California, hereinafter referred to as "Authority," in the sum of _____ Dollars (\$_____), to be paid to the Authority, its successors, and assigns; for which payment, well and truly to be made, bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents, this amount being ten percent (10%) of the total amount of the Bid.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the certain bid of the above Named bouden principal _____

for _____ at the Orange County Transportation Authority's _____ as specifically set forth in documents entitled **IFB 3-1615, "DEMOLITION SERVICES - RAYMOND GRADE SEPARATION PROJECT - FULLERTON"**, shall not be withdrawn within a period of 120 calendar days after the date set for the opening of bids, (unless otherwise required by law, and notwithstanding the award of the contract to another Bidder), and that if said bid is accepted by the Authority through action of its legally constituted contracting authorities and if the above bounden _____ its heirs, executors, administrators, successors and assigns, shall execute a contract for such construction and deliver the required "Performance and Payment Bonds", "Guaranty," and proof of insurance coverage within fifteen (15) business days after notification of contract award from the Authority, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

IN WITNESS WHEREOF, we hereunto set our hands and seals this _____ day of _____, 201__.

NOTE: The standard printed bond form of any bonding company acceptable to the Authority may be used in lieu of the foregoing approved sample bond form provided the security stipulations protecting the Authority are not in any way reduced by use of the security company's printed standard form.

BID SECURITY FORM
CHECK TO ACCOMPANY BID

(NOTE: The following form shall be used in case check accompanies bid)

Accompanying this bid is a Certified or Cashiers check (circle the appropriate one) payable to the order of Orange County Transportation Authority, hereinafter referred to As "Authority" for _____ dollars (\$_____), this amount being ten percent (10%) of the total amount of the Bid submitted in response to _____. The proceeds of this check shall become the property of Authority provided this bid shall be accepted by Authority through action of its legally constituted contracting authorities and the undersigned shall fail to execute a contract and furnish the required Guaranty Form, Performance and Payment Bonds and proof of insurance coverage within fifteen (15) business days after date of notification of contract award from the Authority. The proceeds of this check shall also become the property of the Authority if the undersigned bidder withdraws the bid within the period of 120 days after the date set for the opening thereof, unless otherwise required by law, and notwithstanding the award of the contract to another bidder. Otherwise, the check shall be returned to the undersigned.

Bidder: _____

Signature: _____

Date: _____

NOTE: If the bidder desires to use a bond instead of check, the Bid Bond form shall be executed and the sum of this bond shall be ten percent [10%] of the total amount of the bid.

INFORMATION REQUIRED OF BIDDER

INFORMATION REQUIRED OF BIDDER

The bidder is required to supply the following information. Additional sheets may be attached if necessary.

1. Name of Bidder: _____
2. Business Address: _____
3. Telephone () _____ Fax () _____ E-Mail: _____
4. Type of Firm - Individual, Partnership or Corporation: _____
5. Corporation organized under the laws of state of: _____
6. Contractor's License No.: _____ Class _____ Years of Experience: _____
7. Expiration Date of License: _____
8. Is your firm a certified small business in California? Yes _____ No _____
9. List the names and addresses of all owners of the firm or names and titles of all officers of the corporation:

INFORMATION REQUIRED OF BIDDER, PAGE 2

10. Please list the following: a) All prior and current license numbers that the current owner(s) or officers possess or have possessed in the last five years and the current status of those license; b) any prior company names that the owner(s) had in operation during the previous five years.

Current Officers or Owners Name	Prior Company Names (During the last 5 years)	Prior and Current License Numbers	Status of License

Note: If additional space is required to detail the information requested, please attach another page. All information requested must be included. Failure to identify all of the information may result in your bid being found non-responsive and your bid being rejected.

11. List all construction projects (public and private) for which bidder has provided general contractor services for the past three years:

Contract Type (Public or Private)	Project Description	Dates of Service	Total Cost	Name and Address of Owner	Contact Name and Phone Number

INFORMATION REQUIRED OF BIDDER, PAGE 3

Note: If additional space is required to detail the information requested, please attach another page. All information requested must be included. Failure to identify all of the information may result in your bid being found non-responsive and your bid being rejected.

12. List the name, address and phone number of Superintendent for this project:

13. List all construction projects (public and private) for which Superintendent has provided services as a Superintendent for the past three years.

Contract Type (Public or Private)	Project Description	Dates of Service	Total Cost	Name and Address of Owner	Contact Name and Phone Number

NOTE: If requested by the Authority, bidder shall furnish a certified financial statement, financial data, or other information and references sufficiently comprehensive to permit an appraisal of its current financial condition.

I hereby certify the above is true and correct to the best of my belief.

Signature

Name

Title

Company Name

Telephone Number

Fax Number

Email Address

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE
EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)**

1. The Bidders' attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

Timetable Goals for Minority Participation for Each Trade (11.9)

Goals for Female Participation in Each Trade (6.9)

These goals are applicable to all the Contractor's construction work (whether or not it is federal or federally assisted) performed in the covered area.

The Contractor's compliance with the Executive Order and the regulations in 41 C.F.R. Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 C.F.R. 60-4.3 (a), and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor or from project to project for the sole purpose of meeting the contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 C.F.R. Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.
4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" includes the County of Orange, California.

BIDDER'S CERTIFICATE OF COMPLIANCE
REGARDING
WORKERS' COMPENSATION INSURANCE

In conformance with current statutory requirements of Section 1860, et. seq., of the Labor Code of the State of California, the undersigned confirms the following certification:

"I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that code and I will comply with such provisions before commencing the performance of the work of this Contract."

Name of Bidder/Contractor: _____

Signature: _____

Title: _____

Date: _____

BIDDER'S CERTIFICATE OF COMPLIANCE
REGARDING
STATE OF CALIFORNIA
BUSINESS AND PROFESSIONS CODE SECTION 7028.15

Contractor License Number: _____

Expiration Date of Contractor's License: _____

Each, every and all of the representations made by Bidder in the attached bid are true and correct.

Name of Bidder/Contractor: _____

Signed: _____

Title: _____

Subscribed to and sworn before me, a Notary Public in and for the State of California, on _____, 201__.

Notary Public

My commission expires on:

_____, 201__
(NOTARY SEAL)

LIST OF SUBCONTRACTORS

List only the subcontractors, which will perform work or labor or render services to the bidder in excess of one-half of one percent (1/2 of 1%) of the bidder's total bid amount. Do not list alternative subcontractors for the same work. (Use additional sheets if necessary.)

Name & Address Under Which Subcontractor is Licensed	License Number	Specific Description of Work to be Rendered	Small Business Y/N	Type*	Dollar Amount
					\$
					\$
					\$
					\$
					\$
TOTAL VALUE OF SUBCONTRACTED WORK					\$

Bidder's Name _____

PARTY DISCLOSURE FORM**Information Sheet****ORANGE COUNTY TRANSPORTATION AUTHORITY
AND AFFILIATED AGENCIES**

The attached Party Disclosure Form must be completed by applicants for, or persons who are the subject of, any proceeding involving a license, permit, or other entitlement for use pending before the Board of Directors of the Orange County Transportation Authority or any of its affiliated agencies. (Please see next page for definitions of these terms.)

IMPORTANT NOTICE**Basic Provisions of Government Code Section 84308**

- A. If you are an applicant for, or the subject of, any proceeding involving a license, permit, or other entitlement for use, you are prohibited from making a campaign contribution of more than \$250 to any board member or his or her alternate. This prohibition begins on the date your application is filed or the proceeding is otherwise initiated, and the prohibition ends three months after a final decision is rendered by the Board of Directors. In addition, no board member or alternate may solicit or accept a campaign contribution of more than \$250 from you during this period.
- B. These prohibitions also apply to your agents, and, if you are a closely held corporation, to your majority shareholder as well. These prohibitions also apply to your subcontractor(s), joint venturer(s), and partner(s) in this proceeding. Also included are parent companies and subsidiary companies directed and controlled by you, and political action committees directed and controlled by you.
- C. You must file the attached disclosure form and disclose whether you or your agent(s) have in the aggregate contributed more than \$250 to any board member or his or her alternate during the 12-month period preceding the filing of the application or the initiation of the proceeding.
- D. If you or your agent have in the aggregate contributed more than \$250 to any individual board member or his/or her alternate during the 12 months preceding the decision on the application or proceeding, that board member or alternate must disqualify himself or herself from the decision. However, disqualification is not required if the board member or alternate returns the campaign contribution within 30 days from the time the director knows, or should have known, about both the contribution and the fact that you are a party in the proceeding. The Party Disclosure Form should be completed and filed with your proposal, or with the first written document, you file or submit after the proceeding commences.

1. A proceeding involving "a license, permit, or other entitlement for use" includes all business, professional, trade and land use licenses and permits, and all other entitlements for use, including all entitlements for land use, all contracts (other than competitively bid, labor or personal employment contracts), and all franchises.
2. Your "agent" is someone who represents you in connection with a proceeding involving a license, permit or other entitlement for use. If an individual acting as an agent is also acting in his or her capacity as an employee or member of a law, architectural, engineering, consulting firm, or similar business entity, both the business entity and the individual are "agents."
3. To determine whether a campaign contribution of more than \$250 has been made by you, campaign contributions made by you within the preceding 12 months must be aggregated with those made by your agent within the preceding 12 months or the period of the agency, whichever is shorter. Contributions made by your majority shareholder (if a closely held corporation), your subcontractor(s), your joint venturer(s), and your partner(s) in this proceeding must also be included as part of the aggregation. Campaign contributions made to different directors or their alternates are not aggregated.
4. A list of the members and alternates of the Board of Directors is attached.

This notice summarizes the major requirements of Government Code Section 84308 of the Political Reform Act and 2 Cal. Adm. Code Sections 18438-18438.8.

ORANGE COUNTY TRANSPORTATION AUTHORITY**AND ITS AFFILIATED AGENCIES PARTIES**

To be completed only if campaign contributions have been made in the preceding 12 months.

Prime Firm's Name: _____

Party's Name: _____

Party's Address: _____

Street

City

State

Zip

Phone

Application or Proceeding

Title and Number: _____

Board Member(s) or Alternate(s) to whom you and/or your agent made campaign contributions and dates of contribution(s) in the preceding 12 months:

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Date: _____

Signature of Party and/or Agent

**ORANGE COUNTY TRANSPORTATION AUTHORITY
AND AFFILIATED AGENCIES**

Board of Directors

Greg Winterbottom, Chairman

Shawn Nelson, Vice Chairman

Patricia Bates, Director

Lori Donchak, Director

Gail Eastman, Director

Matthew Harper, Director

Michael Hennessey, Director

Steve Jones, Director

Jeff Lalloway, Director

Gary Miller, Director

John Moorlach, Director

Al Murray, Director

Janet Nguyen, Director

Miguel Pulido, Director

Tim Shaw, Director

Todd Spitzer, Director

Frank Ury, Director

PARTICIPANT DISCLOSURE FORM**Information Sheet****ORANGE COUNTY TRANSPORTATION AUTHORITY
AND AFFILIATED AGENCIES**

The attached Participant Disclosure Form must be completed by participants in a proceeding involving a license, permit, or other entitlement for use. (Please see next page for definitions of these terms.)

IMPORTANT NOTICE**Basic Provisions of Government Code Section 84308**

- A. If you are a participant in a proceeding involving a license, permit, or other entitlement for use, you are prohibited from making a campaign contribution of more than \$250 to any board member or his or her alternate. This prohibition begins on the date you begin to actively support or oppose an application for license, permit, or other entitlement for use pending before the Orange County Transportation Authority or any of its affiliated agencies, and continues until three months after a final decision is rendered on the application or proceeding by the Board of Directors.

No board member or alternate may solicit or accept a campaign contribution of more than \$250 from you and/or your agency during this period if the board member or alternate knows or has reason to know that you are a participant.

- B. The attached disclosure form must be filed if you or your agent has contributed more than \$250 to any board member or alternate for the Orange County Transportation Authority or any of its affiliated agencies during the 12-month period preceding the beginning of your active support or opposition. (The disclosure form will assist the board members in complying with the law.)
- C. If you or your agent have made a contribution of more than \$250 to any board member or alternate during the 12 months preceding the decision in the proceeding, that board member or alternate must disqualify himself or herself from the decision. However, disqualification is not required if the member or alternate returns the campaign contribution within 30 days from the time the director knows, or should have known, about both the contribution and the fact that you are a participant in the proceeding.

The Participant Disclosure Form should be completed and filed with the proposal submitted by a party, or should be completed and filed the first time that you lobby in person, testify in person before, or otherwise directly act to influence the vote of the board members of the Orange County Transportation Authority or any of its affiliated agencies.

1. An individual or entity is a "participant" in a proceeding involving an application for a license, permit or other entitlement for use if:
 - (a) The individual or entity is not an actual party to the proceeding, but does have a significant financial interest in the Orange County Transportation Authority's or one of its affiliated agencies' decision in the proceeding.

AND

- (b) The individual or entity, directly or through an agent, does any of the following:
 - i. Communicates directly, either in person or in writing, with a board member or alternate of the Orange County Transportation Authority or any of its affiliated agencies for the purpose of influencing the member's vote on the proposal;
 - ii. Communicates with an employee of the Orange County Transportation Authority or any of its affiliated agencies for the purpose of influencing a member's vote on the proposal; or
 - iii. Testifies or makes an oral statement before the Board of Directors of the Orange County Transportation Authority or any of its affiliated agencies.
2. A proceeding involving "a license, permit, or other entitlement for use" includes all business, professional, trade and land use licenses and permits, and all other entitlements for use, including all entitlements for land use; all contracts (other than competitively bid, labor, or personal employment contracts) and all franchises.
3. Your "agent" is someone who represents you in connection with a proceeding involving a license, permit, or other entitlement for use. If an agent acting as an employee or member of a law, architectural, engineering, or consulting firm, or a similar business entity or corporation, both the business entity or corporation and the individual are agents.

4. To determine whether a campaign contribution of more than \$250 has been made by a participant or his or her agent, contributions made by the participant within the preceding 12 months shall be aggregated with those made by the agent within the preceding 12 months or the period of the agency, whichever is shorter. Campaign contributions made to different members or alternates are not aggregated.
5. A list of the members and alternates of the Board of Directors is attached.

This notice summarizes the major requirements of Government Code Section 84308 and 2 Cal. Adm. Code Sections 18438-18438.8.

ORANGE COUNTY TRANSPORTATION AUTHORITY
AND ITS AFFILIATED AGENCIES PARTICIPANTS

To be completed only if campaign contributions have been made in the preceding 12 months.

Prime Firm's Name: _____

Party's Name: _____

Party's Address: _____

Street

City

State

Zip

Phone

Application or Proceeding

Title and Number: _____

Board Member(s) or Alternate(s) to whom you and/or your agent made campaign contributions and dates of contribution(s) in the preceding 12 months:

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Date: _____

Signature of Party and/or Agent

**ORANGE COUNTY TRANSPORTATION AUTHORITY
AND AFFILIATED AGENCIES**

Board of Directors

Greg Winterbottom, Chairman

Shawn Nelson, Vice Chairman

Patricia Bates, Director

Lori Donchak, Director

Gail Eastman, Director

Matthew Harper, Director

Michael Hennessey, Director

Steve Jones, Director

Jeff Lalloway, Director

Gary Miller, Director

John Moorlach, Director

Al Murray, Director

Janet Nguyen, Director

Miguel Pulido, Director

Tim Shaw, Director

Todd Spitzer, Director

Frank Ury, Director

STATUS OF PAST AND PRESENT CONTRACTS FORM

On the form provided below, bidder shall list the status of past and present contracts where the firm has either provided services as a prime contractor or a subcontractor during the past five (5) years in which the contract has ended or will end in a termination, settlement or in legal action. A separate form must be completed for each contract. Bidder shall provide an accurate contact name and telephone number for each contract and indicate the term of the contract and the original contract value.

If the contract was terminated, list the reason for termination. Bidder must also identify and state the status of any litigation, claims or settlement agreements related to any of the identified contracts. Each form must be signed by an officer of the bidder confirming that the information provided is true and accurate.

Project city/agency/other:	
Contact Name:	Phone:
Project Award Date:	Original Contract Value:
Term of Contract:	
1) Status of contract:	
2) Identify claims/litigation or settlements associated with the contract:	
3) Reason for termination:	

By signing this Form entitled "Status of Past and Present Contracts," I am affirming that all of the information provided is true and accurate.

Print Name

Date

Signature

Title

Non-Collusion Affidavit

(Title 23 United States Code Section 112 and
Public Contract Code Section 7106)

To the Orange County Transportation Authority

In accordance with Title 23 United States Code Section 112 and Public Contract Code 7106 the bidder declares that the bid is not made in the interest of, or on the behalf of, any undisclosed person, partnership, company, association, organization or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly, or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Bidder: _____

Date: _____

SECTION III: ADDITIONAL CONTRACTUAL EXHIBITS

SECTION III. ADDITIONAL CONTRACTUAL EXHIBITS

The following Exhibits will be attached to and incorporated into the signed Agreement resulting from this IFB.

A. PERFORMANCE BOND

The successful bidder shall furnish at its own expense a Performance Bond (Exhibit E) satisfactory to the Authority in the amount of one hundred percent (100%) of the full amount of the contract as a guarantee of good faith on behalf of the Contractor that the terms of the contract, including all warranty provisions, shall be complied with in every particular. The bond shall be issued by a corporation surety (not an individual surety) required in the state of California and registered to do business in the county of Orange.

The bond shall specifically provide that if the Contractor, or its subcontractor, fails to fully perform that the surety or sureties will pay for the same in an amount not exceeding the amount specified in the bond and in case suit is brought against the Authority, that the surety will undertake the defense of same.

B. PAYMENT BOND

The successful bidder shall furnish a Payment Bond (Exhibit F) in the amount of one hundred percent (100%) of the full amount of the contract. Such bonds shall be in effect during the entire term of the contract and warranty and shall be issued by a corporate surety (not an individual surety) registered in the state of California and registered to do business in the county of Orange.

The bond shall specifically provide that if the Contractor fails to pay for amounts due under the Employment Insurance Act that the surety or sureties will pay for the same in an amount not exceeding the amount specified in the bond and in case suit is brought against the Authority, that the surety will undertake the defense of same.

Pursuant to California Civil Code sections 9550 through 9554, in conjunction with the Bond and Undertaking Law (Code of Civil Procedure sections 995.010, et. seq.), Bidders must provide the following information as part of their payment bond; a certificate of Authority from the Orange County Clerks Office indicating that the insurer has not been surrendered, revoked, canceled, annulled, or suspended or, in the event that it has, that renewed Authority has been granted.

C. GUARANTY

The successful bidder shall also submit to the Authority the executed and notarized Guaranty form (Exhibit G) in this IFB.

All forms must be completed and submitted to the Contract Administrator responsible for this procurement within 15 business days of award notice by the Authority. Failure to submit the completed and signed forms will result in cancellation of the award.

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____
hereinafter referred to as "Contractor", as principal, and _____
as surety, are held and firmly bound unto the Orange County Transportation Authority,
State of California, in the sum _____
Dollars, (\$_____), lawful money of the United States of America,
for the payment of which sum, well and truly to be made, we bind ourselves, jointly and
severally, firmly by these presents.

The condition of the foregoing obligation is such that,

WHEREAS, said Contractor has been awarded and is about to enter into the annexed
Agreement with the Orange County Transportation Authority for the _____, at the
_____ as specified in said Agreement, and is required to give this bond in
connection with the _____ execution thereof;

NOW THEREFORE, if the said Contractor shall well and truly do and perform all of the
covenants and obligations of said Agreement on his part to be done and performed at
the times and in the manner specified herein, then this obligation shall be null and void,
otherwise it shall be and remain in full force and effect; and in the event said Contractor
fails to fully perform all requirements in accordance with the terms and conditions of
said Agreement, then surety shall enforce performance by the Contractor or shall pay
the Orange County Transportation Authority for the same in an amount not exceeding
the amount specified in this bond; and, further, if in the event suit is brought upon this
bond then said surety shall pay the Orange County Transportation Authority for
reasonable attorneys' fees to be fixed by the court;

PROVIDED, that any changes in the work to be done, or the material to be furnished,
whether or not made pursuant to the terms of said contract, shall not in any way release
either the Contractor or the surety there under, nor shall any extensions of time granted
under the provisions of said contract release either the Contractor or the surety, and
notice of such changes or extensions of the contract is hereby waived by the surety.

WITNESS our hands this _____ day of _____, 201_.

(SEAL)

(Contractor)
By _____

Approved:

(Title)

(SEAL)

(Surety)
By _____

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____
hereinafter referred to as "Contractor", as principal, and _____
as surety, are held and firmly bound unto the Orange County Transportation Authority,
State of California, in the sum _____
Dollars, (\$ _____), lawful money of the United States of America, for
the payment of which sum, well and truly to be made, we bind ourselves, jointly and
severally, firmly by these presents.

The Condition of the foregoing obligation is such that,

WHEREAS, said Contractor has been awarded and is about to enter into the annexed Agreement with the ORANGE COUNTY TRANSPORTATION AUTHORITY for the DEMOLITION SERVICES - RAYMOND GRADE SEPARATION PROJECT - FULLERTON as specified in said Agreement, and is required under the terms of said Agreement to give this bond in connection with the execution thereof;

NOW, THEREFORE, if said Contractor or a subcontractor fails to pay any of the persons named in Section 9100 of the Civil Code of the State of California, or amounts due under the Unemployment Insurance Code with respect to work or labor performed under the contract, or for any amounts required to be deducted, withheld and paid over to the Employment Development Department from the wages of employees of said Contractor and subcontractors pursuant to Section 13020 of the Unemployment Insurance Code with respect to such work and labor, then said surety will pay for the same, in an amount not exceeding the sum specified in this bond, and also, in case suit is brought upon this bond, a reasonable attorney's fee, to be fixed by the court. This bond shall inure to the benefit of any and all persons named in Section 9100 of the Civil Code of the State of California so as to give a right of action to such persons or their assigns in any suit brought upon this bond. This bond shall be subject to and include all of the provisions of Title 3 of Part 64 of Division 4 of the Civil Code of California relating to Payment Bond for Public Works, including but not confined to, Civil Code Sections 8150 – 8154, inclusive and Sections 9550 - 9566, inclusive.

PROVIDED, that any changes in the work to be done or the material to be furnished, whether or not made pursuant to the terms of said contract, shall not in any way release either the Contractor or the surety thereunder, nor shall any extensions of time granted under the provisions of said contract release either the Contractor or the surety, and notice of such alterations or extensions of the contract is hereby waived by the surety.

PAYMENT BOND, PAGE 2

WITNESS our hands this _____ day of _____, 201__.

(SEAL)

(Contractor)

By _____

(Title)

Approved:

(Surety)

(SEAL)

By _____

GUARANTY

The undersigned, as "Contractor," guarantees to the Orange County Transportation Authority that the materials furnished and the completed installation work, and the related work performed by the Contractor pursuant to Agreement No. C-3-1615

- A. For a period of one (1) year from the date of completion, as evidenced by the date of final acceptance of the work by the Authority, the Contractor warrants to the Authority that work performed and materials furnished under this Contract conforms to the Contract requirements and shall be free from any defect in design, material or workmanship performed by the Contractor or its subcontractors or suppliers.
- B. Under this guaranty, the Contractor shall remedy at its own expense any such failure to conform or any such defect.
- C. Nothing in the above intends or implies that this warranty shall apply to work, which has been abused or neglected by the Authority.
- D. This guaranty shall be in addition to the other guarantees and warranties specified in the Agreement and shall be enforceable concurrently with, or in lieu of, said other guarantees.

Should any of the materials or equipment prove defective or should the work as a whole prove defective, due to faulty workmanship, material furnished or methods of installation, or should the work or any part thereof fail to operate properly as originally intended and in accordance with the plans and specifications, due to any of the above causes, all within twelve (12) months after the date on which the work is accepted by the Authority, the undersigned agrees to reimburse the Authority, upon demand, for its expenses incurred in restoring any such equipment or materials replaced and the cost of removing and replacing any other work without cost to the Authority so that said work will function correctly as originally contemplated.

The Authority shall have the unqualified option to make any needed replacements or repairs itself or to have such replacements or repairs done by the undersigned. In the event the Authority elects to have said work performed by the undersigned, the undersigned agrees that the repairs shall be made and such materials as are necessary shall be furnished and installed within a reasonable time after the receipt of demand from the Authority. If the undersigned shall fail or refuse to comply with its obligations under this guaranty, the Authority shall be entitled to all costs and expenses, including attorneys' fees, reasonably incurred by reasons of the said failure or refusal.

GUARANTY, PAGE 2

Subscribed and sworn to before me	_____
	Name
this ____ day of _____, 201__	_____
	Title
Seal of Notary	_____
	Signature
_____	_____
Notary Public	Date

SECTION IV: AGREEMENT

AGREEMENT NO. C-3-1615**BETWEEN****ORANGE COUNTY TRANSPORTATION AUTHORITY****AND**

THIS AGREEMENT is effective this _____ day of _____, 2013, by and between the Orange County Transportation Authority, 550 South Main Street, P.O. Box 14184, Orange, CA 92863-1584, a public corporation of the state of California (hereinafter referred to as "AUTHORITY"), and , , (hereinafter referred to as "CONTRACTOR").

WITNESSETH:

WHEREAS, AUTHORITY has determined that it requires at the AUTHORITY's Base(s); and

WHEREAS, said work cannot be performed by the regular employees of AUTHORITY; and

WHEREAS, CONTRACTOR has represented that it has the requisite personnel, experience, material, and equipment and is otherwise qualified to perform such services; and

WHEREAS, CONTRACTOR wishes to perform these services;

WHEREAS, the AUTHORITY's Board of Directors approved this Agreement on _____.

NOW, THEREFORE, it is mutually understood and agreed by AUTHORITY and CONTRACTOR as follows:

ARTICLE 1. COMPLETE AGREEMENT

A. This Agreement, including all exhibits and other documents incorporated herein and made applicable by reference, constitutes the complete and exclusive statement of the terms and conditions of the agreement between AUTHORITY and CONTRACTOR and it supersedes all prior representations, understandings and communications. The invalidity in whole or in part of any term or condition of this Agreement shall not affect the validity of other terms or conditions.

B. AUTHORITY's failure to insist in any one or more instances upon the performance of any terms or conditions of this Agreement shall not be construed as a waiver or relinquishment of

1 AUTHORITY's right to such performance by CONTRACTOR or to future performance of such terms
2 or conditions and CONTRACTOR's obligation in respect thereto shall continue in full force and effect.
3 CONTRACTOR shall be responsible for having taken steps reasonably necessary to ascertain the
4 nature and location of the work, and the general and local conditions, which can affect the work or the
5 cost thereof. Any failure by CONTRACTOR to do so will not relieve it from responsibility for
6 successfully performing the work without additional expense to AUTHORITY.

7 C. AUTHORITY assumes no responsibility for any understanding or representations
8 concerning conditions made by any of its officers, employees or agents prior to the execution of this
9 Agreement, unless such understanding or representations by AUTHORITY are expressly stated in
10 this Agreement.

11 D. Time shall be of the essence hereunder; but CONTRACTOR shall perform work
12 hereunder only to the minimum extent consistent with requirements herein.

13 E. Changes to any portion of this Agreement shall not be binding upon AUTHORITY except
14 when specifically confirmed in writing by an authorized representative of AUTHORITY and issued in
15 accordance with the provisions of this Agreement.

16 **ARTICLE 2. AUTHORITY DESIGNEE**

17 The Chief Executive Officer of AUTHORITY, or designee, shall have the authority to act for and
18 exercise any of the rights of AUTHORITY as set forth in this Agreement.

19 **ARTICLE 3. SCOPE OF WORK**

20 CONTRACTOR shall provide all labor, equipment, materials and facilities necessary for all work
21 related to at the AUTHORITY's in strict compliance with all the requirements specified herein and in
22 Exhibit A, entitled "General Provisions"; Addendum No's ; Exhibit B, entitled "Specifications"; Exhibit B-1,
23 entitled "Level 3 Safety Specifications, Exhibit C, entitled "List of Drawings"; Exhibit D-1, entitled "List of
24 Subcontractors"; Exhibit E, entitled "Performance Bond"; Exhibit F, entitled "Payment Bond"; Exhibit G,
25 entitled "Guaranty"; Exhibit H, entitled "Site Map", Exhibit I, entitled "Description of Property
26 Improvements", Exhibit J-1, entitled "Hazardous Materials Survey Report and Work Plan, dated June 4,

2013", and Exhibit K, entitled "Initial Site Assessment Report", all of which documents are attached to and, by this reference, incorporated in and made a part of this Agreement. By this reference, also incorporated in and made a part of this Agreement are all applicable provisions of IFB and all representations made by CONTRACTOR in its original bid to AUTHORITY, including, but not limited to, CONTRACTOR's certifications relative to Workers' Compensation Insurance, and compliance with Section 7028.15 of the State of California Business and Professions Code.

ARTICLE 4. DELIVERY / RECOVERY SCHEDULE

A. CONTRACTOR shall fully complete the herein above described work within ninety (90) calendar days from the effective date of written Notice to Proceed (NTP) issued by AUTHORITY. CONTRACTOR shall give AUTHORITY not less than seventy-two (72) hours advance notice of the start of any work. Within five (5) calendar days after said Notice, CONTRACTOR shall provide any construction schedules as may be requested by AUTHORITY.

B. If at any time, the critical path schedule reflects -30 or a greater negative number of days of total float, then CONTRACTOR, within ten days after CONTRACTOR first becomes aware of such schedule delay, shall prepare and submit to AUTHORITY for review and approval a Recovery Schedule demonstrating CONTRACTOR's proposed plan to regain lost schedule progress and to achieve the original contractual milestones in accordance with the Contract. AUTHORITY shall notify CONTRACTOR within ten days after receipt of each such Recovery Schedule whether the schedule is deemed accepted or rejected. Within five days after AUTHORITY's rejection of the schedule, CONTRACTOR will resubmit a revised Recovery Schedule incorporating AUTHORITY's comments. When AUTHORITY accepts CONTRACTOR's Recovery Schedule, CONTRACTOR shall, within five days after AUTHORITY's acceptance, incorporate and fully include such schedule into the Project Schedule and deliver it to AUTHORITY.

C. All costs incurred by CONTRACTOR in preparing, implementing and achieving the Recovery Schedule shall be borne by CONTRACTOR and shall not result in a change to the contract price.

1 D. In the event that CONTRACTOR fails to provide an acceptable Recovery Schedule within
2 30 days of CONTRACTOR's receipt of a notice to do so, CONTRACTOR shall have no right to
3 receive progress payments until CONTRACTOR has prepared and AUTHORITY has approved such
4 Recovery Schedule.

5 **ARTICLE 5. START OF WORK**

6 CONTRACTOR shall incur no costs, and shall not perform or furnish any work, services,
7 materials or equipment under this Agreement, unless and until a written Notice to Proceed has been
8 given to CONTRACTOR by AUTHORITY. Conditions precedent to AUTHORITY issuing said Notice to
9 Proceed are CONTRACTOR furnishing the Exhibit E "Performance Bond," Exhibit F "Payment Bond,"
10 Exhibit G "Guaranty," and certificates of insurance as set forth in Article 10 hereunder. CONTRACTOR
11 shall furnish said documents within fifteen (15) calendar days (excluding Saturdays, Sundays and legal
12 holidays) after notification of contract award from AUTHORITY. Upon receipt of acceptable bonds,
13 guaranty, and insurance certificates, AUTHORITY will within fifteen (15) working days thereafter issue
14 the written Notice to Proceed.

15 **ARTICLE 6. PAYMENT**

16 A. For CONTRACTOR's full and complete performance of its obligations under this
17 Agreement, and subject to the maximum cumulative payment obligation provision set forth in Article
18 7, AUTHORITY shall pay CONTRACTOR the firm fixed sum of _____ Dollars (\$.00).

19 B. Progress payments and the final payment will be made by AUTHORITY to
20 CONTRACTOR in accordance with the terms as set forth in Exhibit A, "General Provisions," under
21 the "Progress Payments" and "Final Payment and Claims" sections therein. The acceptance by
22 CONTRACTOR of AUTHORITY's final payment hereunder shall constitute a waiver of all claims
23 against AUTHORITY under or arising out of this herein Agreement, as such may from time to time be
24 amended.

25 C. Failure by AUTHORITY to pay amount in dispute shall not alleviate, diminish or modify in
26 any respect the CONTRACTOR's obligation to achieve final acceptance of and all work in

accordance with the contract documents, and CONTRACTOR shall not cease or slow down its performance under this Agreement on account of any such amount in dispute. CONTRACTOR shall proceed as directed by AUTHORITY pending resolution of dispute. Upon resolution of dispute, each party shall promptly pay any amount owing.

ARTICLE 7. MAXIMUM OBLIGATION

Notwithstanding any provisions of this Agreement to the contrary, AUTHORITY and CONTRACTOR mutually agree that AUTHORITY's maximum cumulative payment obligation hereunder (including obligation for CONTRACTOR's profit), shall be ___ Dollars (\$0.00), which shall include all amounts payable to CONTRACTOR for its subcontracts, leases, materials and costs arising from, or due to termination of, this Agreement.

ARTICLE 8. NOTICES

All notices hereunder and communications regarding the interpretation of the terms of this Agreement, or changes thereto, shall be effected by delivery of said notices in person or by depositing said notices in the U.S. mail, registered or certified mail, returned receipt requested, postage prepaid and addressed as follows:

To CONTRACTOR:

To AUTHORITY:

Orange County Transportation Authority

550 South Main Street

P.O. Box 14184

Orange, CA 92863-1584

ATTENTION:

ATTENTION: **Marjorie Morris-Threats,**

Senior Contract Administrator

(714) 560 – 5633 – mthreats@octa.net

ARTICLE 9. INDEPENDENT CONTRACTOR

CONTRACTOR's relationship to AUTHORITY in the performance of this Agreement is that of an independent contractor. CONTRACTOR's personnel performing work under this Agreement shall at all

times be under CONTRACTOR's exclusive direction and control and shall be employees of CONTRACTOR and not employees of AUTHORITY. CONTRACTOR shall pay all wages, salaries and other amounts due its employees in connection with this Agreement and shall be responsible for all reports and obligations respecting them, such as social security, income tax withholding, unemployment compensation, workers' compensation insurance, and similar matters.

ARTICLE 10. INSURANCE

A. CONTRACTOR shall procure and continuously maintain in full force and affect through contract completion, insurance coverages specified herein. Coverages shall not be subject to self-insurance provisions. CONTRACTOR shall provide the following insurance coverage:

1. Commercial General Liability, to include Products/Completed Operations, Independent Contractors', Contractual Liability, and Personal Injury, and Property Damage with a minimum limit of \$1,000,000 per occurrence and \$2,000,000.00 general aggregate.

2. Automobile Liability to include owned, hired and non-owned autos with a combined single limit of \$1,000,000.00 each accident;

3. Workers' Compensation with limits as required by the State of California, including waiver of subrogation, in favor of AUTHORITY, its officers, directors, employees and agents.

4. Employers' Liability with minimum limits of \$1,000,000.

B. Prior to commencement of any work hereof, CONTRACTOR shall furnish to AUTHORITY's Contract Administrator broker-issued insurance certificate, including an insurance company issued endorsement showing the required insurance coverages and further providing that:

1. AUTHORITY, its officers, directors, employees and agents must be named as additional insured on Commercial General Liability and Automobile Liability certificates and on the insurance policy endorsement with respect to performance hereunder; and

2. The coverage shall be primary and noncontributory as to any other insurance with respect to performance hereunder; and

3. Thirty (30) days prior written notice of cancellation or material change be given to

1 AUTHORITY.

2 C. "Occurrence," as used herein, means any event or related exposure to conditions, which
3 result in bodily injury or property damage.

4 D. The Certificate of Insurance shall reference Agreement Number C-3-1615

5 E. and, the Contract Administrator's Name, .

6 F. Upon AUTHORITY's request, certified, true and exact copies of each of the insurance
7 policies shall be provided to AUTHORITY.

8 G. AUTHORITY shall notify CONTRACTOR in writing of any changes in the requirements to
9 insurance required to be provided by CONTRACTOR. Except as set forth in this Article, any
10 additional cost from such change shall be paid by AUTHORITY and any reduction in cost shall
11 reduce the contract price pursuant to a change order.

12 H. CONTRACTOR shall also include in each subcontract the stipulation that subcontractors
13 shall maintain coverage in the amounts required as provided in this Agreement.

14 **ARTICLE 11. BONDS**

15 A. By submitting Exhibit E, entitled "Performance Bond," and Exhibit F, entitled "Payment
16 Bond," CONTRACTOR shall satisfy AUTHORITY's requirements that CONTRACTOR deposit with
17 AUTHORITY bonds with values in the sum of percent of this Agreement's price to cover
18 CONTRACTOR's failure to fully perform hereunder and CONTRACTOR's failure to pay its labor
19 materialmen or failure to comply with Article 31 of this Agreement, in performing hereunder. If the
20 contract price is increased in connection with a Change Order, the AUTHORITY may, in its sole
21 discretion, require a corresponding increase in the amount of the Performance and Payment bonds or
22 new bonds covering the Change Order work.

23 B. Notwithstanding any other provision set forth in this Agreement, performance by a Surety
24 or Guarantor of any obligations of CONTRACTOR shall not relieve CONTRACTOR of any of its
25 obligations thereunder.

26 /

ARTICLE 12. ORDER OF PRECEDENCE

Conflicting provisions hereof, if any, shall prevail in the following descending order of precedence: (1) the provisions of this Agreement, including its exhibits; (2) the provisions of IFB including all Addendums; (3) the bid submitted to AUTHORITY by CONTRACTOR in response to said IFB; and (4) any other documents, cited herein or incorporated by reference. In the event of conflicting provisions of Exhibit B ("Specifications"), and Exhibit C ("List of Drawings"), Project Specifications shall take precedence.

ARTICLE 13. CHANGES

A. By written notice or order, AUTHORITY may, from time to time, order work suspension and/or make any change in the general scope of this Agreement, including, but not limited to, changes in the drawings, specifications, schedules (either deceleratory or acceleratory) or any other particular of the specifications or provisions of this Agreement. If any such work suspension or change causes an increase or decrease in the price or time required for performance, CONTRACTOR shall promptly notify AUTHORITY thereof and assert its claim for adjustment within ten (10) calendar days after the change or work suspension is ordered, and an equitable adjustment shall be negotiated. However, nothing in this clause shall excuse CONTRACTOR from proceeding immediately with the agreement as changed. Changes will be made in accordance with the terms as set forth in Exhibit A, "General Provisions," paragraph F, Extra Work and Changes, by written Change Order.

B. No claims by CONTRACTOR for equitable adjustment hereunder shall be allowed if asserted after final payment under this Agreement.

C. Any work done beyond the technical provisions specified in this Agreement, or any extra work done without AUTHORITY's written authority, will be considered unauthorized work and will not be paid for. Upon order of AUTHORITY's Engineer or its designee, unauthorized work shall be remedied, removed or replaced at CONTRACTOR's expense.

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ARTICLE 14. MODIFICATION PROPOSALS-PRICE BREAKDOWN

CONTRACTOR, in connection with any proposal it makes for an agreement modification, shall furnish a price breakdown, itemized as required by AUTHORITY. Unless otherwise directed, the breakdown shall be in sufficient detail to permit an analysis of all material, labor, equipment, subcontract and overhead costs, as well as profit, and shall cover all work involved in the modification, whether such work was deleted, added or changed. Any amount claimed for subcontracts shall be supported by a similar price breakdown. In addition, if the proposal includes a time extension, a justification therefore shall also be furnished. The proposal, together with the price breakdown and time extension justification, shall be furnished by the date specified by AUTHORITY.

ARTICLE 15. DISPUTES

A. Except as otherwise provided in this Agreement, any dispute concerning a question of fact arising under this Agreement which is not disposed of by supplemental agreement shall be decided by AUTHORITY's Director, Contracts Administration and Materials Management (CAMP), who shall reduce the decision to writing and mail or otherwise furnish a copy thereof to CONTRACTOR. The decision of the Director, CAMP, shall be final and conclusive.

B. The provisions of this Article shall not be pleaded in any suit involving a question of fact arising under this Agreement as limiting judicial review of any such decision to cases where fraud by such official or his representative or board is alleged, provided, however, that any such decision shall be final and conclusive unless the same is fraudulent or capricious or arbitrary or so grossly erroneous as necessarily to imply bad faith or is not supported by substantial evidence. In connection with any appeal proceeding under this Article, CONTRACTOR shall be afforded an opportunity to be heard and to offer evidence in support of its appeal.

C. Pending final decision of a dispute hereunder, CONTRACTOR shall proceed diligently with the performance of this Agreement and in accordance with the decision of AUTHORITY's Director, CAMP. This "Disputes" clause does not preclude consideration of questions of law in connection with decisions provided for above. Nothing in this Agreement, however, shall be

1 construed as making final the decision of any AUTHORITY official or representative on a question of
2 law, which questions shall be settled in accordance with the laws of the state of California.

3 **ARTICLE 16. TERMINATION FOR CONVENIENCE**

4 A. AUTHORITY may terminate this Agreement for its convenience at any time in whole or in
5 part, by giving CONTRACTOR written notice thereof. AUTHORITY shall terminate by delivering to
6 CONTRACTOR a written Notice of Termination for Convenience specifying the extent of termination
7 and its effective date. Upon termination, AUTHORITY shall pay CONTRACTOR its allowable costs
8 incurred to date of that portion terminated. The rights, duties and obligations of the parties shall be
9 construed in accordance with the applicable provisions of CFR Title 48, Chapter 1, Part 49, of the
10 Federal Acquisition Regulation (FAR) and specific subparts and other provisions thereof applicable to
11 termination for convenience. If AUTHORITY sees fit to terminate this Agreement for convenience,
12 said notice shall be given to CONTRACTOR in accordance with the provisions of the FAR referenced
13 above and Article 8, herein. Upon receipt of said notification, CONTRACTOR shall immediately
14 proceed with all obligations, regardless of any delay in determining or adjusting any amounts due
15 under this Article, and agrees to comply with all applicable provisions of the FAR pertaining to
16 termination for convenience.

17 B. If AUTHORITY sees fit to terminate the Agreement for convenience, said notice shall be
18 given to CONTRACTOR in accordance with herein mentioned provisions of the Federal Acquisition
19 Regulations and Article 8 herein. Upon receipt of said notification, CONTRACTOR agrees to comply
20 with all applicable provisions of the FAR pertaining to Termination for Convenience.

21 **ARTICLE 17. TERMINATION FOR DEFAULT-DAMAGES FOR DELAY-TIME**

22 **EXTENSIONS**

23 A. If CONTRACTOR refuses or fails to prosecute the work, or any separable part thereof,
24 with such diligence as will ensure its completion within the time specified in this Agreement, or any
25 extension thereof, or fails to complete said work within such time, AUTHORITY may, by written notice
26 to CONTRACTOR, terminate CONTRACTOR's right to proceed with the work or such part of the

1 work as to which there has been delay. In such event, AUTHORITY may take over the work and
2 prosecute the same to completion, by Agreement or otherwise, and may take possession of and
3 utilize in completing the work such materials, appliances and plant as may be on the site of the work
4 and necessary therefore. Whether or not CONTRACTOR's right to proceed with the work is
5 terminated, it and its sureties shall be liable for any damage to AUTHORITY resulting from its refusal
6 or failure to complete the work within the specified time.

7 B. If AUTHORITY so terminates CONTRACTOR's right to proceed, the resulting damage will
8 consist of such liquidated damages as set forth in the Article 30 in this Agreement entitled "Liquidated
9 Damages," until such reasonable time as may be required for final completion of the work together
10 with any increased costs occasioned AUTHORITY in completing the work. If AUTHORITY does not
11 so terminate CONTRACTOR's right to proceed, the resulting damage will consist of such liquidated
12 damages until the work is completed or accepted.

13 C. CONTRACTOR's right to proceed shall not be so terminated nor the CONTRACTOR
14 charged with resulting damage if:

15 1. The delay in completing the work arises from unforeseeable causes beyond the
16 control and without the fault or negligence of CONTRACTOR, including but not restricted to, acts of God,
17 acts of the public enemy, acts or omissions of AUTHORITY, acts of another CONTRACTOR in the
18 performance of an Agreement with AUTHORITY, fires, floods, epidemics, quarantine restrictions, freight
19 embargoes, unusually severe weather, or delays of subcontractors or suppliers arising from
20 unforeseeable causes beyond the control and without the fault or negligence of both CONTRACTOR
21 and such subcontractors or suppliers; and

22 2. CONTRACTOR, within ten (10) calendar days from the beginning of any such delay,
23 notifies AUTHORITY in writing of the causes of delay. AUTHORITY shall ascertain the facts and the
24 extent of the delay and extend the time for completing the work when, in its judgment, the findings of fact
25 justify such an extension, and its findings of fact shall be final and conclusive on the parties, subject only
26 to appeal as provided in the "Disputes" clause of this Agreement. Any such time extensions will not

1 become effective until approved by AUTHORITY's Engineer in writing. AUTHORITY's Engineer will
2 furnish CONTRACTOR a weekly statement showing the number of calendar days charged to the
3 Agreement for the preceding week, the number of calendar days of time extensions being considered or
4 approved, the number of calendar days originally specified for the completion of this Agreement and the
5 number of calendar days remaining to complete this Agreement, and the extended date for completion
6 thereof.

7 3. Should at any time extensions be included by AUTHORITY's Engineer on the Weekly
8 Statement of Contract Calendar Days, a change order covering the sum total of the time extensions will
9 be issued to CONTRACTOR at periodic intervals during the project.

10 D. If, after notice of termination of CONTRACTOR's right to proceed under the provisions of
11 this clause, it is determined for any reason that CONTRACTOR was not in default under the
12 provisions of this clause, or that the delay was excusable under the provisions of this clause, the
13 rights and obligations of the parties shall be the same as if the notice of termination had been issued
14 pursuant to Article 16, entitled "Termination for Convenience."

15 E. The rights and remedies of AUTHORITY provided in this clause are in addition to any
16 other rights and remedies provided by law or under this Agreement.

17 F. As used in paragraph C.1 of this Article, the term "subcontractors or suppliers," means
18 subcontractors or suppliers at any tier.

19 **ARTICLE 18. INDEMNIFICATION**

20 CONTRACTOR shall indemnify, defend and hold harmless AUTHORITY, its officers, directors,
21 employees and agents from and against any and all claims (including attorney's fees and reasonable
22 expenses for litigation or settlement) for any loss or damages, bodily injuries, including death, damage to
23 or loss of use of property caused by the negligent acts, omissions or willful misconduct of
24 CONTRACTOR, its officers, directors, employees, agents, subcontractors or suppliers, in connection
25 with or arising out of the performance of this Agreement.

26 /

ARTICLE 19. ASSIGNMENTS AND SUBCONTRACTS

A. Neither this Agreement nor any interest herein nor claim hereunder may be assigned by CONTRACTOR either voluntarily or by operation of law. CONTRACTOR shall not have the right to make any substitutions of any subcontractor listed in Exhibit D-1, entitled "List of Subcontractors," except in accordance with the provisions of the Subletting and Subcontractors Fair Practices Act, Public Contract Code section 4100 et. seq. AUTHORITY's consent shall not be deemed to relieve CONTRACTOR of its obligation to fully comply with the requirements of this Agreement.

B. CONTRACTOR shall be fully responsible to AUTHORITY for all acts and omissions of its own employees, and of subcontractors and their employees. CONTRACTOR shall coordinate the work performed by subcontractor.

C. AUTHORITY shall have the right, but not the obligation, to review the form of subcontract used by CONTRACTOR for the project and to require modifications thereto to conform to the requirements set forth herein.

ARTICLE 20. AUDIT AND INSPECTION OF RECORDS

CONTRACTOR shall provide AUTHORITY, or other agents of the AUTHORITY, such access to CONTRACTOR's accounting books, records, payroll documents and facilities of the CONTRACTOR which are directly pertinent to this Agreement for the purposes of examining, auditing and inspecting all accounting books, records, work data, documents and activities related hereto. CONTRACTOR shall maintain such books, records, data and documents in accordance with generally accepted accounting principles and shall clearly identify and make such items readily accessible to such parties during CONTRACTOR's performance hereunder and for a period of four (4) years from the date of final payment by AUTHORITY, except in the event of litigation or settlement of claims arising from the performance of this Agreement, in which case CONTRACTOR agrees to maintain same until AUTHORITY, or any of their duly authorized representatives, have disposed of all such litigation, appeals, claims or exceptions related thereto. AUTHORITY's right to audit books and records directly related to this Agreement shall also extend to all first-tier subcontractors. CONTRACTOR shall permit

any of the foregoing parties to reproduce documents by any means whatsoever or to copy excerpts and transcriptions as reasonably necessary.

ARTICLE 21. CONFLICT OF INTEREST

CONTRACTOR agrees to avoid organizational conflicts of interest. An organizational conflict of interest means that due to other activities, relationships or contracts, the CONTRACTOR is unable, or potentially unable to render impartial assistance or advice to the Authority; CONTRACTOR's objectivity in performing the work identified in the Scope of Work is or might be otherwise impaired; or the CONTRACTOR has an unfair competitive advantage. CONTRACTOR is obligated to fully disclose to the AUTHORITY in writing Conflict of Interest issues as soon as they are known to the CONTRACTOR. All disclosures must be submitted in writing to AUTHORITY pursuant to the Notice provision herein. This disclosure requirement is for the entire term of this Agreement.

ARTICLE 22. CODE OF CONDUCT

CONTRACTOR agrees to comply with the AUTHORITY's Code of Conduct as it relates to Third-Party contracts which is hereby referenced and by this reference is incorporated herein. CONTRACTOR agrees to include these requirements in all of its subcontracts.

ARTICLE 23. FEDERAL, STATE AND LOCAL LAWS

CONTRACTOR warrants that in the performance of this Agreement it shall comply with all applicable federal, state and local laws, statutes and ordinances and all lawful orders, rules and regulations promulgated thereunder.

ARTICLE 24. EQUAL EMPLOYMENT OPPORTUNITY

In connection with its performance under this Agreement, CONTRACTOR agrees that it shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age or national origin. CONTRACTOR shall take affirmative action to ensure that applicants are employed, and that employees are treated during their employment, without regard to their race, religion, color, sex, age or national origin. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay

or other forms of compensation; and selection for training, including apprenticeship.

ARTICLE 25. FINISHED AND PRELIMINARY DATA

A. All of CONTRACTOR's finished technical data, including but not limited to illustrations, photographs, tapes, software, software design documents, including without limitation source code, binary code, all media, technical documentation and user documentation, photoprints and other graphic information required to be furnished under this Agreement, shall be AUTHORITY's property upon payment and shall be furnished with unlimited rights and, as such, shall be free from proprietary restriction except as elsewhere authorized in this Agreement. CONTRACTOR further agrees that it shall have no interest or claim to such finished, AUTHORITY-owned, technical data; furthermore, said data is subject to the provisions of the Public Records Act.

B. It is expressly understood that any title to preliminary technical data is not passed to AUTHORITY but is retained by CONTRACTOR. Preliminary data includes roughs, visualizations, software design documents, layouts and comprehensives prepared by CONTRACTOR solely for the purpose of demonstrating an idea or message for AUTHORITY's acceptance before approval is given for preparation of finished artwork. Preliminary data title and right thereto shall be made available to AUTHORITY if CONTRACTOR causes AUTHORITY to exercise Article 17, and a price shall be negotiated for all preliminary data.

ARTICLE 26. PRIVACY ACT

CONTRACTOR shall comply with, and assures the compliance of its employees with, the information restrictions and other applicable requirements of the Privacy Act of 1974, 5 U.S.C. §552a. Among other things, CONTRACTOR agrees to obtain the express consent of the Federal Government before CONTRACTOR or its employees operate a system of records on behalf of the Federal Government. CONTRACTOR understands the requirements of the Privacy Act, including the civil and criminal penalties for violation of that Act, apply to those individuals involved, and that failure to comply with the terms of the Privacy Act may result in termination of the underlying Agreement.

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ARTICLE 27. OWNERSHIP OF REPORTS AND DOCUMENTS

A. The originals of all letters, documents, reports and other products and data produced under this Agreement shall be delivered to, and become the property of AUTHORITY. Copies may be made for CONTRACTOR'S records but shall not be furnished to others without written authorization from AUTHORITY. Such deliverables shall be deemed works made for hire and all rights in copyright therein shall be retained by AUTHORITY.

B. All ideas, memoranda, specifications, plans, manufacturing, procedures, drawings, descriptions, and all other written information submitted to CONTRACTOR in connection with the performance of this Agreement shall not, without prior written approval of AUTHORITY, be used for any purposes other than the performance under this Agreement, nor be disclosed to an entity not connected with the performance of the project. CONTRACTOR shall comply with AUTHORITY's policies regarding such material. Nothing furnished to CONTRACTOR, which is otherwise known to CONTRACTOR or is or becomes generally known to the related industry shall be deemed confidential. CONTRACTOR shall not use AUTHORITY's name, photographs of the project, or any other publicity pertaining to the project in any professional publication, magazine, trade paper, newspaper, seminar or other medium without the express written consent of AUTHORITY.

C. No copies, sketches, computer graphics or graphs, including graphic artwork, are to be released by CONTRACTOR to any other person or agency except after prior written approval by AUTHORITY, except as necessary for the performance of services under this Agreement. All press releases, including graphic display information to be published in newspapers, magazines, etc., are to be handled only by AUTHORITY unless otherwise agreed to by CONTRACTOR and AUTHORITY.

ARTICLE 28. CONVICT LABOR

In connection with the performance of work under this Agreement, CONTRACTOR agrees not to employ any person undergoing sentence of imprisonment at hard labor. This does not include convicts who are on parole or probation.

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ARTICLE 29. NOTICE OF LABOR DISPUTE

Whenever CONTRACTOR has knowledge that any actual or potential labor dispute may delay its performance under this Agreement, CONTRACTOR shall immediately notify and submit all relevant information to AUTHORITY. CONTRACTOR shall insert the substance of this entire clause in any subcontract hereunder as to which a labor dispute may delay performance under this Agreement. However, any subcontractor need give notice and information only to its next higher-tier subcontractor.

ARTICLE 30. LIQUIDATED DAMAGES

If CONTRACTOR fails to complete the work within the time specified in Article 4 of this Agreement, or any AUTHORITY authorized extension thereof, the actual damage to AUTHORITY for the delay will be difficult or impossible to determine. Therefore, in lieu of actual damages, CONTRACTOR shall pay to AUTHORITY as fixed, agreed-to liquidated damages for each calendar day of delay the sum of Dollars (\$1,000.00). Alternatively, AUTHORITY may terminate this Agreement in whole or in part as provided in Article 16 of this Agreement, and in that event, CONTRACTOR shall be liable, in addition to the excess costs provided in Article 16 of this Agreement, for such liquidated damages accruing until such time as AUTHORITY may reasonably obtain delivery or performance of similar supplies or services from a different source. CONTRACTOR shall not be charged with liquidated damages when the delay is determined to be excusable in accordance with Article 47 hereunder. AUTHORITY shall ascertain the facts and extent of the delay and shall extend the time for performance of the Agreement when in its judgment, the findings of fact justify an extension.

ARTICLE 31. WARRANTY

A. In addition to any other warranties set forth in this Agreement, whether expressed or implied, CONTRACTOR warrants that (1) all work performed under this Agreement conforms to the requirements herein and is free of any defect of equipment, material or design furnished, or workmanship performed by CONTRACTOR or any of its subcontractors or suppliers at any tier; (2) The project shall fit for use for the intended function; and (3) all work shall meet all of the

1 requirements of this Agreement. Such warranty shall continue for a period of one (1) year from
2 AUTHORITY's acceptance as shown in Article 33 hereunder. Under this warranty, CONTRACTOR
3 shall remedy at its own expense any such failure to conform or correct any such defect. In addition,
4 CONTRACTOR shall remedy at its own expense any damage to AUTHORITY and/or DISTRICT
5 owned or controlled real or personal property, when that damage is the result of CONTRACTOR's
6 failure to conform to Agreement requirements or any such defect of equipment, material,
7 workmanship or design. CONTRACTOR shall also restore any work damaged in fulfilling the terms of
8 this clause. CONTRACTOR's warranty with respect to work repaired or replaced hereunder will run
9 for one year from the date of such repair or replacement.

10 B. AUTHORITY shall notify CONTRACTOR in writing within a reasonable time after the
11 discovery of any failure, defect or damage. CONTRACTOR has seven days from receipt of notice
12 from AUTHORITY to respond to AUTHORITY's notification and indicate how CONTRACTOR will
13 remedy the failure, defect, or damage. If AUTHORITY is not satisfied with the remedy proposed by
14 CONTRACTOR, CONTRACTOR and AUTHORITY shall meet and mutually agree when and how
15 CONTRACTOR shall remedy such violation. In the case of an emergency requiring immediate
16 corrective action, CONTRACTOR shall implement such action, as it deems necessary and shall notify
17 AUTHORITY in writing of the urgency of a decision and action taken. CONTRACTOR and
18 AUTHORITY shall, then promptly meet in order to agree on a remedy. If CONTRACTOR and
19 AUTHORITY fail to agree on the remedy within a five-day period, AUTHORITY, after notice to
20 CONTRACTOR, shall have the right to perform or have performed by third parties the necessary
21 remedy, and the costs thereof shall be borne by CONTRACTOR.

22 C. Should CONTRACTOR fail to remedy any failure, defect or damage described in
23 paragraph A above within a reasonable time after receipt of notice thereof, AUTHORITY shall have
24 the right to replace, repair or otherwise remedy such failure, defect or damage at CONTRACTOR's
25 expense and CONTRACTOR shall be liable for all damages, including, but not limited to, actual or
26 consequential damages and cost of any suit to enforce AUTHORITY's rights hereunder, including

1 reasonable attorney's fees.

2 D. In addition to the other rights and remedies provided by this clause, all subcontractors,
3 manufacturers, and suppliers' warranties, expressed or implied, respecting any work and materials
4 furnished hereunder, shall, at the direction of AUTHORITY, be enforced by CONTRACTOR for the
5 benefit of AUTHORITY. In such case if CONTRACTOR's warranty under paragraph A above has
6 expired, any suit directed by AUTHORITY shall be at the expense of AUTHORITY. CONTRACTOR
7 shall obtain any warranties, which the subcontractors, manufacturers or suppliers would give in
8 normal commercial practice.

9 E. If directed by AUTHORITY, CONTRACTOR shall require any such warranties to be
10 executed in writing to AUTHORITY.

11 F. Notwithstanding any other provision of this clause, unless such a defect is caused by the
12 negligence of CONTRACTOR or its subcontractors or suppliers at any tier, CONTRACTOR shall not
13 be liable for the repair of any defects of material or design furnished by AUTHORITY nor for the repair
14 of any damage which results from any such defect in AUTHORITY furnished material or design.

15 G. The warranty specified herein shall not limit AUTHORITY's rights under the Inspection and
16 Acceptance clause of this Agreement with respect to latent defects, gross mistakes or fraud.

17 H. Defects in design or manufacture of equipment specified by AUTHORITY on a "brand
18 name and model" basis shall not be included in this warranty. CONTRACTOR shall require any
19 subcontractors, manufacturers or suppliers thereof to execute their warranties in writing directly to
20 AUTHORITY.

21 I. Any disagreement between AUTHORITY and CONTRACTOR relating to this section shall
22 be subject to dispute resolution in accordance with Article 15.

23 **ARTICLE 32. GENERAL WAGE RATES**

24 A. All laborers and mechanics employed by CONTRACTOR or subcontractor at any tier
25 working on the construction site, will be paid unconditionally and not less often than once a week and
26 without any subsequent deduction or rebate on any account (except such payroll deductions as are

permitted or required by federal, state or local law, regulation or ordinance), the full amounts due at the time of payment computed at wage rates and per diem rate not less than the aggregate of the highest of the two basic hourly rates and rates of payments, contributions or costs for any fringe benefits contained in the current general prevailing wage rate(s) and per diem rate(s), established by the Director of the Department of Industrial Relations of the state of California, (as set forth in the Labor Code of the state of California, commencing at Section 1770 et. seq.), regardless of any contractual relationship which may be alleged to exist between CONTRACTOR or subcontractor and their respective mechanics, laborers, journeypersons, workpersons, craftspersons or apprentices. Copies of the current General Prevailing Wage Determinations and Per Diem Rates are on file at AUTHORITY's offices and will be made available to CONTRACTOR upon request. CONTRACTOR shall post a copy thereof at each job site at which work hereunder is performed.

B. In addition to the foregoing, CONTRACTOR agrees to comply with all other provisions of the Labor Code of the state of California, which are incorporated herein by reference, pertaining to workers performing work hereunder including, but not limited to, those provisions for work hours, payroll records and apprenticeship employment and regulation program. CONTRACTOR agrees to insert or cause to be inserted the preceding clause in all subcontracts, which provide for workers to perform work hereunder regardless of the subcontractor tier.

ARTICLE 33. INSPECTION AND ACCEPTANCE

A. All work (which term includes but is not restricted to materials, equipment, workmanship, and manufacture and fabrication of components) shall be subject to inspection and test by AUTHORITY at all reasonable times and at all places prior to acceptance. Any such inspection and test is for the sole benefit of AUTHORITY and shall not relieve CONTRACTOR of the responsibility of providing quality control measures to assure that the work strictly complies with requirements of this Agreement. No inspection or test by AUTHORITY or its representative shall be construed as constituting or implying acceptance. Inspection or test shall not relieve CONTRACTOR of responsibility for damage to or loss of the material prior to acceptance, nor in any way affect the

1 continuing rights of AUTHORITY after acceptance of the completed work under the terms of
2 paragraph F of this Article, except as herein above provided.

3 B. CONTRACTOR shall, without charge, replace any material or correct any workmanship
4 found by AUTHORITY not to conform to the requirements of this Agreement, unless in the public
5 interest AUTHORITY consents to accept such material or workmanship with an appropriate
6 adjustment in the price of this Agreement. CONTRACTOR shall promptly segregate and remove
7 rejected material from the premises.

8 C. CONTRACTOR shall furnish promptly, without additional charge, all facilities, labor,
9 equipment and material reasonably needed for performing such safe and convenient inspection and
10 test as may be required by AUTHORITY. All inspections and tests by AUTHORITY shall be
11 performed in such manner as to not unnecessarily delay the work. AUTHORITY reserves the right to
12 charge to CONTRACTOR any additional cost of inspection or test when material or workmanship is
13 not ready at the time specified by CONTRACTOR for inspection or test or when reinspection or retest
14 is necessitated by prior rejection.

15 D. If CONTRACTOR does not promptly replace rejected material or correct rejected
16 workmanship, AUTHORITY (1) may, by Agreement or otherwise, replace such material or correct
17 such workmanship and charge the cost thereof to CONTRACTOR, or (2) may terminate
18 CONTRACTOR's right to proceed in accordance with the clause of this Agreement entitled
19 "Termination for Default."

20 E. Should it be considered necessary or advisable by AUTHORITY at any time before
21 acceptance of the entire work to make an examination of work already completed, by removing or
22 tearing out same, CONTRACTOR shall, on request, promptly furnish all necessary facilities, labor
23 and material. If such work is found to be defective or nonconforming in any material respect, due to
24 the fault of CONTRACTOR or its subcontractors, CONTRACTOR shall pay all costs of such
25 examination and of satisfactory reconstruction. If, however, such work is found to meet the
26 requirements of this Agreement, an equitable adjustment shall be made in the Agreement price to

1 compensate CONTRACTOR for the additional services involved in such examination and
2 reconstruction and, if completion of the work has been delayed thereby, it shall in addition, be granted
3 a suitable extension of time.

4 F. Unless otherwise provided in this Agreement, acceptance by AUTHORITY shall be made
5 as promptly as practicable after completion and inspection of all work required by this Agreement, or
6 that portion of the work that AUTHORITY determines can be accepted separately. Acceptance shall
7 be final and conclusive except as regards latent defects, fraud, or such gross mistakes as may
8 amount to fraud or as regards AUTHORITY's rights under the warranty provisions set forth herein.

9 **ARTICLE 34. MATERIAL AND WORKMANSHIP**

10 A. Unless otherwise specifically provided in this Agreement, all equipment, material, and
11 articles incorporated in the work covered by this Agreement are to be new and of the most suitable
12 grade for the purpose intended. Unless otherwise specifically provided in this Agreement, reference
13 to any equipment, material, article or patented process, by trade name, make or catalog number,
14 shall be regarded as establishing a standard of quality and shall not be construed as limiting
15 competition, and CONTRACTOR may, at its option, use any equipment, material, article or process
16 which, in the judgment of AUTHORITY, is equal to that named. CONTRACTOR shall furnish to
17 AUTHORITY for its approval the name of the manufacturer, the model number and other identifying
18 data and information respecting the performance, capacity, nature and rating of the machinery and
19 mechanical and other equipment, which CONTRACTOR contemplates incorporating in the work.
20 When required by this Agreement or when called for by AUTHORITY, CONTRACTOR shall furnish
21 AUTHORITY, for approval, full information concerning the material or articles, which it contemplates
22 incorporating in the work. When so directed, samples shall be submitted for approval at
23 CONTRACTOR's expense, with all shipping charges prepaid. Machinery, equipment, material and
24 articles installed or used without required approval shall be at the risk of subsequent rejection.

25 B. All work under this Agreement shall be performed in a skillful and workmanlike manner.
26 Notwithstanding the provisions of Article 3 hereof, AUTHORITY may, in writing, require

1 CONTRACTOR to remove from the work any employee AUTHORITY deems incompetent, careless
2 or otherwise objectionable.

3 **ARTICLE 35. NON-CONFORMING WORK**

4 A. Nonconforming work rejected by AUTHORITY shall be removed and replaced so as to
5 conform to the requirements of this Agreement, at CONTRACTOR's cost and without a time
6 extension; and CONTRACTOR shall promptly take all action necessary to prevent similar deficiencies
7 from occurring in the future. The fact that AUTHORITY may not have discovered the nonconforming
8 Work shall not constitute an acceptance of such nonconforming Work. If CONTRACTOR fails to
9 correct any nonconforming work within ten days of receipt of notice from AUTHORITY requesting
10 correction, or if such nonconforming work cannot be corrected within ten days, and

11 CONTRACTOR fails to (1) provide to AUTHORITY a schedule for correcting any such
12 nonconforming work acceptable to AUTHORITY within such ten-day period, (2) commence such
13 corrective work within such ten-day period and (3) thereafter diligently prosecute such correction in
14 accordance with such approved schedule to completion, then AUTHORITY may cause the
15 nonconforming work to be remedied or removed and replaced and may deduct the cost of doing so
16 from any moneys due or to become due CONTRACTOR and/or obtain reimbursement from
17 CONTRACTOR for such cost.

18 B. If AUTHORITY agrees to accept any Nonconforming Work without requiring it to be fully
19 corrected, AUTHORITY shall be entitled to reimbursement of a portion of the Contract Price in an
20 amount equal to the greater of the amount deemed appropriate by AUTHORITY to provide
21 compensation for future maintenance and/or other costs relating to the Nonconforming Work, or
22 100% of CONTRACTOR's cost savings associated with its failure to perform the Work in accordance
23 with Contract requirements. Such reimbursement shall be payable to AUTHORITY within ten days
24 after CONTRACTOR's receipt of an invoice thereof. CONTRACTOR acknowledges and agrees that
25 AUTHORITY shall have sole discretion regarding acceptance or rejection of Nonconforming Work
26 and that AUTHORITY shall have sole discretion with regard to the amount payable in connection

therewith.

ARTICLE 36. CONTRACTOR INSPECTION SYSTEM

CONTRACTOR shall maintain an adequate inspection system and perform such inspections as will assure that the work performed under this Agreement conforms to the specified requirements, and shall maintain and make available to AUTHORITY adequate records of such inspections.

ARTICLE 37. SUPERINTENDENCE BY CONTRACTOR

CONTRACTOR, at all times during performance and until the work is completed and accepted, shall give its personal superintendence to the work or have on the work a competent superintendent, satisfactory to AUTHORITY and with authority to act for and on behalf of CONTRACTOR.

ARTICLE 38. OTHER CONTRACTS

AUTHORITY may undertake or award other agreements for additional work, and CONTRACTOR shall fully cooperate with such other CONTRACTOR's and AUTHORITY's employees and carefully fit its own work to such additional work as may be directed by AUTHORITY. CONTRACTOR shall not commit or permit any act, which will interfere with the performance of work by any other CONTRACTOR or by AUTHORITY.

ARTICLE 39. INSPECTION OF SITE

CONTRACTOR acknowledges that it has investigated and satisfied itself as to the conditions affecting the work including, but not restricted to, those bearing upon transportation, disposal, handling and storage of materials, availability of labor, water, electric power and roads and uncertainties of weather, river stages, tides or similar physical conditions at the site, the conformation and conditions of the ground, the character of equipment and facilities needed preliminary to and during prosecution of the work. CONTRACTOR further acknowledges that it has satisfied itself as to the character, quality and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is reasonably ascertainable from an inspection of the site, including all exploratory work done by AUTHORITY, as well as from information presented by the drawings and specifications made a part of this Agreement. Any failure by CONTRACTOR to acquaint itself with the available information will not

1 relieve it from responsibility for the difficulty or cost of successfully performing the work. AUTHORITY
2 assumes no responsibility for any conclusions or interpretations made by CONTRACTOR on the basis of
3 the information made available by AUTHORITY.

4 **ARTICLE 40. DIFFERING SITE CONDITIONS**

5 A. CONTRACTOR shall immediately, and before such conditions are disturbed, notify
6 AUTHORITY in writing of: (1) subsurface or latent physical conditions at the site which differ
7 materially from those indicated in this Agreement, or (2) unknown physical conditions at the site, of an
8 unusual nature, which differ materially from those ordinarily encountered and generally recognized as
9 inherent in work of the character provided for in this Agreement. AUTHORITY will investigate the
10 conditions within three business days of receipt of notification, and if it finds that such conditions do
11 materially so differ and cause an increase or decrease in CONTRACTOR's cost of, or the time
12 required for, performance of any part of the work under this Agreement, whether or not changed as a
13 result of such conditions, an equitable adjustment shall be made and the Agreement modified in
14 writing accordingly.

15 B. No claim of CONTRACTOR under this Article shall be allowed unless CONTRACTOR has
16 given the written notice required above; no claim by CONTRACTOR for an equitable adjustment
17 hereunder shall be allowed if asserted after final payment under this Agreement.

18 **ARTICLE 41. OPERATIONS AND STORAGE AREAS**

19 A. All operations of CONTRACTOR (including storage of materials and equipment) upon
20 AUTHORITY-owned premises shall be confined to areas authorized or approved by AUTHORITY.
21 CONTRACTOR shall hold AUTHORITY and its officers and agents free and harmless from liability of
22 any nature occasioned by CONTRACTOR's operations.

23 B. Temporary building (storage sheds, shops, offices, etc.) may be erected by
24 CONTRACTOR with the written consent of AUTHORITY, and shall be built with labor and materials
25 furnished by CONTRACTOR without expense to AUTHORITY. Such temporary buildings and utilities
26 shall remain the property of CONTRACTOR and shall be removed by CONTRACTOR at its expense

1 upon the completion of the work. With the written consent of AUTHORITY, such buildings and
2 utilities may be abandoned and need not be removed.

3 C. CONTRACTOR shall, under regulations prescribed by AUTHORITY, use only established
4 roadways or construct and use such temporary roadways as may be authorized by AUTHORITY.
5 Where materials are transported in the prosecution of work, vehicles shall not be loaded beyond the
6 loading capacity recommended by the manufacturer of the vehicle or prescribed by any federal, state
7 or local law or regulation. When it is necessary to cross curbing or sidewalks, protection against
8 damage shall be provided by CONTRACTOR and any damaged roads, curbing or sidewalks shall be
9 repaired by, or at the expense of, CONTRACTOR.

10 **ARTICLE 42. PROTECTION OF VEGETATION, UTILITIES, IMPROVEMENTS**

11 A. CONTRACTOR shall preserve and protect all existing vegetation such as trees, shrubs
12 and grass on or adjacent to the site of work which is not to be removed and which does not
13 unreasonably interfere with the construction work. Care will be taken in removing trees authorized for
14 removal to avoid damage to vegetation to remain in place. Any limbs or branches of trees broken
15 during such operations or by the careless operation of equipment, or by workmen, shall be trimmed
16 with a clean cut and painted with an approved tree pruning compound as directed by AUTHORITY.

17 B. CONTRACTOR shall protect from damage all existing improvements or utilities at or near
18 the site of the work, the location of which is made known to it, and will repair or restore any damage
19 to such facilities resulting from failure to comply with the requirements of this Agreement or the failure
20 to exercise reasonable care in the performance of the work. If CONTRACTOR fails or refuses to
21 repair any such damage promptly, AUTHORITY may have the necessary work performed and charge
22 the cost to CONTRACTOR.

23 **ARTICLE 43. CLEANING UP**

24 A. CONTRACTOR shall at all times keep the construction area, including storage areas used
25 by it, free from accumulations of waste material or rubbish, and prior to completion of the work
26 remove any rubbish from AUTHORITY owned premises and all tools, scaffolding, equipment and

1 materials not the property of AUTHORITY. Upon completion of the construction, CONTRACTOR
2 shall leave the work and premises in a clean, neat and workmanlike condition satisfactory to
3 AUTHORITY.

4 B. After completion of all work on the project, and before making application for acceptance
5 of the work, CONTRACTOR shall clean the construction site, including all areas under the control of
6 AUTHORITY, that have been used by CONTRACTOR in connection with the work on the project and
7 remove all debris, surplus material and equipment, and all temporary construction or facilities of
8 whatever nature, unless otherwise approved by AUTHORITY. Final acceptance of the work by
9 AUTHORITY will be withheld until CONTRACTOR has satisfactorily complied with the foregoing
10 requirements for final cleanup of the project site.

11 C. Full compensation for conforming to the provisions in this Article, not otherwise provided
12 for, shall be considered as included in price of this Agreement and no additional compensation will be
13 allowed therefore.

14 **ARTICLE 44. USE AND POSSESSION TO COMPLETION**

15 AUTHORITY shall have the right to take possession of or use any completed or partially
16 completed part of the work. Prior to such possession or use, AUTHORITY shall furnish CONTRACTOR
17 an itemized list of work remaining to be performed or corrected on such portions of the project as are to
18 be possessed or used by AUTHORITY, provided that failure to list any item of work shall not relieve
19 CONTRACTOR of responsibility for compliance with the terms of this Agreement. Such possession or
20 use shall not be deemed an acceptance of any work under this Agreement. While AUTHORITY has
21 such possession or use, CONTRACTOR shall be relieved of the responsibility for the loss or damage to
22 the work resulting from AUTHORITY's possession or use. If such prior possession or use by
23 AUTHORITY delays the progress of the work or causes additional expense to CONTRACTOR, an
24 equitable adjustment in the Agreement price or the time of completion will be made and the Agreement
25 shall be modified in writing accordingly.

26 /

ARTICLE 45. PROHIBITED INTERESTS

CONTRACTOR covenants that, for the term of this Agreement, no director, officer or employee of AUTHORITY , during his/her tenure in office or for one (1) year thereafter, shall have any interest, direct or indirect, in this Agreement or the proceeds thereof.

ARTICLE 46. CONTRACTOR PURCHASED EQUIPMENT

A. If during the course of this Agreement, additional equipment is required, which will be paid for by the AUTHORITY, CONTRACTOR must request prior written authorization from the AUTHORITY's project manager before making any purchase. As part of this purchase request, CONTRACTOR shall provide a justification for the necessity of the equipment or supply and submit copies of three (3) competitive quotations. If competitive quotations are not obtained, CONTRACTOR must provide the justification for the sole source.

B. CONTRACTOR shall maintain an inventory record for each piece of equipment purchased that will be paid for by the AUTHORITY. The inventory record shall include the date acquired, total cost, serial number, model identification, and any other information or description necessary to identify said equipment or supply. A copy of the inventory record shall be submitted to the AUTHORITY upon request.

C. At the expiration or termination of this Agreement, CONTRACTOR may keep the equipment and credit AUTHORITY in an amount equal to its fair market value. Fair market value shall be determined, at CONTRACTOR's expense, on the basis of an independent appraisal. CONTRACTOR may sell the equipment at the best price obtainable and credit AUTHORITY in an amount equal to the sales price. If the equipment is to be sold, then the terms and conditions of the sale must be approved in advance by AUTHORITY'S project manager.

D. Any subcontractor agreement entered into as a result of this Agreement shall contain all provisions of this clause.

ARTICLE 47. FORCE MAJEURE

Either party shall be excused from performing its obligations under this Agreement during the

time and to the extent that it is prevented from performing by an unforeseeable cause beyond its control, including but not limited to: any incidence of fire, flood; acts of God; commandeering of material, products, plants or facilities by the federal, state or local government; national fuel shortage; or a material act or omission by the other party; when satisfactory evidence of such cause is presented to the other party, and provided further that such nonperformance is unforeseeable, beyond the control and is not due to the fault or negligence of the party not performing.

ARTICLE 48. HEALTH AND SAFETY SPECIFICATIONS

CONTRACTOR shall comply with all requirements set forth in Exhibit B-1, Level 3 Safety Specifications.

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This Agreement shall be made effective upon execution by both parties.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement No. C-3-1615
to be executed on the date first above written.

CONTRACTOR

**ORANGE COUNTY TRANSPORTATION
AUTHORITY**

By _____

By _____

Darrell Johnson

License No:

Chief Executive Officer

APPROVED AS TO FORM:

By _____

Kennard R. Smart, Jr.

General Counsel

APPROVED:

By _____

Jim Beil, P.E.

Executive Director, Capital Programs

Date _____

SECTION V: GENERAL PROVISIONS - EXHIBIT A

SECTION V. GENERAL PROVISIONS

A. COST BREAKDOWN

Within 15 calendar days after "Notice to Proceed," the Contractor shall, upon request by the Authority, submit a cost breakdown of the lump sum Bid entered on the Bid Form for all construction work related to the DEMOLITION SERVICES - RAYMOND GRADE SEPARATION PROJECT - FULLERTON. This cost breakdown will form the basis for progress payments in accordance with these Specifications and shall show all of the major categories and subcategories of work and equipment requested by the Authority. Additionally, all cost shall be segregated between off-site and on-site costs. Mobilization costs shall not exceed 10% of total construction costs. Bonds and insurance costs will be identified as a separate line item. Such cost breakdown shall not be required if the Authority, at its sole discretion, elects to pay the Contractor in lump sum within thirty (30) calendar days of receipt of proper invoice following the Contractor's satisfactory completion and the Authority's acceptance of all work.

B. PROGRESS PAYMENTS

1. The Authority, no later than the 25th day of each month, shall prepare a progress payment estimate based on the estimated percentage of completion of each Bid Item and on the Contractor's actually incurred allowable expenses on such Bid Items. The Authority will issue the progress payment, in the amount it deems appropriate, by approximately the 15th day of the following month.
2. For purposes of calculating the progress payments, Authority will use the cost breakdown submitted by the Contractor for each Bid Item at the start of this Agreement. In no event will the Authority make a progress payment that, when added to the prior progress payments, amounts to a sum more than the Contractor's actual aggregate incurred expenses, adjusted to include Contractor's overhead and profit as allocated to such incurred expenses.
3. The Authority will pay only 95% of each progress payment amount as determined above, retaining 5% as part security for the fulfillment of this Agreement by the Contractor.
4. The amount retained in accordance with paragraph B.3., hereinabove from the progress payments will be paid in full to the Contractor as part of the final payment upon Contractor's full completion of this Agreement, except that ½ of 1% of this Agreement's total price shall be retained for one (1) year beyond the date of the Notice of Completion filed for this Agreement as partial security for fulfillment of the warranty obligations by the Contractor under this

Agreement.

5. No progress payments will be made for materials not installed.
6. Progress payments made by Authority in no way shall be deemed or construed as acceptance by the Authority of work or waiver by the Authority of any rights hereunder.
7. The Contractor shall pay subContractors, promptly upon receipt of each Authority progress payment; the respective amounts allowed the Contractor on account of the work performed by subContractors, to the extent of each such subContractor's interest therein. Such payments to subContractors shall be based on estimates made pursuant to this Agreement. Any diversion by the Contractor of payments received for prosecution of a contract, or failure to reasonably account for the application or use of such payments, constitutes ground for termination of the Contractor's control over the work and for taking over the work, in addition to disciplinary action by the Contractor's State License Board. The subContractor shall notify, in writing, the Contractor's State License Board and the Authority of any payment less than the amount or percentage approved for the class or item of work as set forth in this Agreement.
8. In addition to other amounts properly withheld under this Agreement, the Contractor shall withhold all legally required sums for, but not necessarily limited to, stop notices, labor and tax liens, etc.

C. FINAL INSPECTION AND ACCEPTANCE

Promptly after Substantial Completion has occurred, Contractor shall perform all Punch List Work, if any, which was deferred for purposes of Project Completion, and shall satisfy all of its other contractual obligations under the contract documents.

When the Contractor determines that the work is fully completed, including satisfactory completion of all inspections, tests, and required documentation, Punch List and clean-up items, Contractor shall give the Authority a written request for Final Acceptance within ten (10) days thereafter, specifying that the work is completed and the date on which it was completed.

Within thirty (30) days after receipt of the request for Final Acceptance from Contractor, Authority will make a final inspection of the work and will either:

1. Reject the request for Final Acceptance, specifying the defective or uncompleted work; or
2. Issue a written Final Acceptance and record Notice of Completion with County Recorder.

Substantial Completion is defined herein as; In the opinion of the Authority, that Work or portion thereof that is sufficiently complete and in accordance with the Contract, that it can be utilized by the Authority for the purpose for which it was intended. A determination of Substantial Completion does not waive, but may not require the prior completion of minor items, which do not impair the Authority's ability to safely occupy and utilize the Work for its intended purpose.

D. CLAIMS

Contractor is required to submit a written claim within ten (10) days after the event or occurrence first giving rise to the potential claim, or in the event of a denial of a request for change by the Authority. All claims shall include a detailed factual statement; including names, dates and specific events that took place. In addition, all claims shall include supporting documents in support of the claim, a detailed analysis of a request for a time extension, if applicable, and a detailed breakdown of a request for additional compensation. A revised construction schedule shall also be included identifying the impact of the delays, including proposals to minimize any of the impacts.

Authority shall respond in writing to a claim within forty-five (45) days of receipt of claim. Within thirty (30) days of receipt of claim, Authority, if necessary, may request additional documentation in support of said claim. If additional documentation is requested, Authority shall respond in writing to the claim within fifteen (15) days after receipt of additional documentation.

Claims filed by the Contractor shall be in sufficient detail to enable the Authority to ascertain the basis and amount of said claims. The Authority will consider and determine the Contractor's claims, and it will be the responsibility of the Contractor to furnish within a reasonable time such further information and details as may be required by the Authority to determine the facts or contentions involved in its claims. Failure to submit such information and details will be sufficient cause for denying the claim.

Claims submitted by the Contractor shall be accompanied by a notarized certificate containing the language listed below. Failure to submit the notarized certificate will be cause for denying the claim.

Certificate

Under the penalty of law for perjury or falsification with specific reference to the California False Claims Act, Government Code Section 12650 et. Seq., the undersigned,

(Name)

(Title)

(Company)

herby certifies that the claim for the additional compensation and time, if any, made herein for the work on this Contract is a true statement of the actual cost incurred and time sough, and is fully documented and supported under the Contract between the parties

Dated: _____

Signature: _____

Subscribed and sworn before this _____ day of _____, 20 ____ .

Notary Public

My Commission Expires: _____

E. FINAL PAYMENT

1. After the filing of the Notice of Completion, the Authority will make a proposed final estimate, in writing, of the total amount payable to the Contractor, including therein an itemization of said amount, segregated as to contract item quantities, extra work and any other basis for payment, and shall also show therein all deductions made or to be made for prior payments and amounts to be kept or retained under the provisions of the contract. All prior estimates and payments shall be subject to correction in the proposed final estimate. Within 15 days after proposed final estimate has been submitted, Contractor shall submit to the Authority written approval of proposed final estimate and/or a written statement of all claims of the contract. No claim will be considered that was not included in written statement of claims, nor will any claim be allowed unless the Contractor has previously complied with the notice and protest requirements.
2. On the Contractor's approval, or if he files no claim within stated period, Authority will issue a final written estimate, in accordance with the proposed final estimate

submitted to the Contractor; and 35 days after the date of filing the Notice of Completion Authority will pay the entire sum found to be due. Such final estimate and payment thereon shall be conclusive and binding against the Contractor on all questions relating to the amount of work done and the compensation payable therefore, except as otherwise provided.

3. If the Contractor within said period of 15 days files claims, Authority will issue a semi-final estimate in lieu of the final estimate submitted to the Contractor; and 35 days after the date of filing of the Notice of Completion, the Authority will pay the sum found to be due. Such semi-final estimate and payment thereon shall be conclusive and binding against the Contractor on all questions relating to the amount of work done and the compensation payable therefore, except insofar as affected by the claims filed within the time and in the manner required hereunder and except as otherwise provided.
4. Upon final determination of any outstanding claims, the Authority shall then make and issue a final estimate in writing and within 30 days thereafter, the Authority will pay the entire sum, if any, found due. Such final estimate shall be conclusive and binding against the Contractor on all questions relating to the amount of work done and the compensation payable therefore, except as otherwise provided.

F. EXTRA WORK AND CHANGES

1. New and unforeseen work, which in the judgment of the Authority is found necessary or desirable for the satisfactory completion of the work, will be classified as extra work, as well as work specifically designated as such in the plans or specifications. The Contractor shall do such extra work and furnish material and equipment therefore as directed by the Engineer in writing by a change order. No extra work will be paid for or allowed unless the same was done upon written change order of the Engineer and after all legal requirements have been complied with. The Contractor agrees that he will accept as full compensation for extra work, so ordered, an amount to be determined by one of the following methods:
 - a. A price mutually agreed upon in writing by the Engineer and Contractor (hereafter Agreed Price).
 - b. Force Account as hereafter provided.
2. It is mutually agreed that on the agreed price, the Contractor and subContractor(s) shall add not more than a total markup of 20% to be divided between the Contractor and subContractor(s) as full compensation for all other expenses including overhead, profit, bond, superintendence, insurance and small tools.
3. When extra work is to be paid for on a force account basis, compensation will be determined as follows:

a. Materials

A sum equal to the actual cost to the Contractor of the materials furnished by him, as shown by paid receipts, plus not more than fifteen percent (15%). Only installed materials shall be paid for.

b. Labor

1. The actual wages paid as shown on the certified copies of Contractor's payroll, for all labor directly engaged in the work and including the cost of any compensation insurance paid for by the Contractor, subsistence and travel allowance aid to such workmen as required by collective bargaining agreements plus not more than twenty percent (20%).
2. To the actual wages as described in 1 above will be added a labor surcharge of not more than seventeen percent (17%), and shall constitute full compensation for all other payments, including payments imposed by State and Federal laws.

c. Equipment

Equipment will be paid for as a rental charge whether owned by the Contractor or not, and said rental rates prevailing in the area for comparable equipment will be paid. To the direct costs of "Equipment Rental" will be added a not more than fifteen percent (15%) markup.

All extra work at Force Account shall be adjusted daily upon report sheets prepared by the Engineer, furnished to the Contractor and signed by both parties. Said daily reports shall thereafter be considered the true record of all extra work done. The decision of the Engineer as to whether extra work has in fact been performed shall be conclusive and binding upon both parties to the contract.

4. A contract change order approved by Authority may be issued to the Contractor at any time. Should the Contractor disagree with any terms or conditions set forth in the contract change order, the Contractor shall submit a written protest to the Authority within 15 days after the receipt of the contract change order. The protest shall state the points of disagreement and, if possible, the contract specification references, quantities and costs involved. If a written protest is not submitted within the above period, payment will be made as set forth in the approved contract change order and such payment shall constitute full compensation for all work included therein or required thereby. Such unprotested approved contract change orders will be considered as executed contract change orders.

5. Contractor shall promptly notify the Authority in writing when it receives direction, instruction, interpretation or determination from any source other than the Authority or its designated representatives that may lead to or cause change in the work. Such written notification shall be give to the Authority before the Contractor acts on said direction, instruction, interpretation or determination.

G. EXTENDED FIELD OFFICE OVERHEAD COSTS

1. Within thirty (30) days after receipt of the Notice to Proceed, the Contractor shall submit a written statement to the Authority detailing its field office overhead costs which are time related. The Authority will review this cost submittal and reach a written agreement with the Contractor on a daily field office overhead cost rate which shall be issued as an agreed upon Change Order. The daily rate agreed to in this Change Order will be applicable throughout the duration of the Contract. No field office costs will be paid until such agreement is reached between the Authority and the Contractor and the Change Order concerning this daily rate is executed by both parties.
2. The individual cost components of the daily field office overhead rate shall represent costs which increase as a direct result of any time extension caused solely and exclusively by an act of the Authority. This listing may include such cost items as on-site project management, supervision, engineering and clerical salaries; on-site office utilities and rent; on-site company vehicles and their operating expenses; and site maintenance and security expenses. Field office overhead costs which are unaffected by increased time shall not be allowable costs in calculating the daily field office overhead rate. These non-time related costs include, but are not limited to, acquisition and installation of stationary equipment; temporary construction facilities; utilities and office furnishings (unless such items are rented or leased); the preparation of the site including clearing, grubbing, grading and fencing; mobilization and demobilization costs; and the costs of permits, bonds and insurance coverage for the project.
3. The individual wage cost components used to calculate the daily field office overhead rate shall be supported by actual employee payroll records, not salary ranges or estimates. Hourly rates for management, supervisory, engineering and clerical employees shall be based upon 2,080 works hours per year and shall not include allowances for holidays, vacation or sick time.
4. The daily field office overhead rate shall be multiplied by the number of days the Contract is delayed or extended by Change Order and shall be added to the agreed upon Change Order cost. The days of delay shall be those caused solely by action of the Authority and documented by a time impact analysis prepared and submitted by the Contractor. In the event of a deductive Change Order is issued which reduces time under the Contract, the daily field office overhead rate shall be added to the deductive amount.

No allowance for overhead costs and no profit allowance shall be added to the extended field office overhead cost.

H. ACCELERATION

1. Authority reserves the right to accelerate the work of the Contract at any time during its performance. In the event that the Authority directs acceleration, such directive will be given to the Contractor in writing. The Contractor shall keep cost and other Project records related to the acceleration directive separately from normal Project cost records and shall provide a written record of acceleration costs to the Authority on a daily basis.
2. In the event that the Contractor believes that some action or inaction on the part of the Authority constitutes an acceleration directive, the Contractor shall immediately notify the Authority in writing that the Contractor considers the actions or inactions an acceleration directive. This written notification shall detail the circumstances of the acceleration directive. The Contractor shall not accelerate their work efforts until the Authority responds to the written notification. If acceleration is then directed or required by the Authority, all cost records referred to in section (1) shall be maintained by the Contractor and provided to the Authority on a daily basis.
3. In order to recover additional costs due to acceleration, the Contractor must document that additional expenses were incurred and paid by the Contractor. Labor costs recoverable will only be overtime or shift premium costs or the cost of additional laborers brought to the site to accomplish the accelerated work effort. Equipment costs recoverable will only be the cost of added equipment mobilized to the site to accomplish the accelerated work effort.

I. VALUE ENGINEERING

Authority encourages the Contractor to submit Value Engineering Proposals (VEP's) whenever it identifies areas and/or instances in which improvements can be made, in order to avail the Authority of potential cost savings. Contractor and the Authority will share any savings in the manner described below.

A VEP applies to a Contractor developed and documented VEP that:

1. Requires a change to the contract.
2. Reduces the total contract price without impairing essential functions or characteristics of the work.
3. Results in an estimated total net savings to the AUTHORITY equal to or greater than \$1,000.

At a minimum, a VEP should include the following information:

1. A description of the existing contract requirements that are involved in the proposed change.
2. A description of the proposed change, and all specifications and/or plans necessary for the complete evaluation of the proposed change. Include a discussion of the differences between existing requirements and the proposed change, together with advantages and disadvantages of each changed item. All relevant back up documentation needs to be included to support proposed changes.
3. Cost estimate for existing contract requirements correlated to the Contractors lump sum breakdown and the proposed changes in those requirements, including costs of development and implementation by the Contractor.

Contractor shall submit the VEP to the Authority. At its sole discretion, Authority may accept, in whole or in part and by change order, any VEP submitted pursuant to this section. Until a change order is issued on a VEP, Contractor shall remain obligated to perform in accordance with the contract. The decision of the Authority as to the rejection or acceptance of a VEP shall be at the sole discretion of the Authority.

If a VEP, submitted by the Contractor pursuant to this section is accepted by the Authority, the total contract price shall be adjusted based upon a sharing of the net savings by the Contractor and the Authority (50% Authority, 50% Contractor). Contractor's profit shall not be reduced by application of the VEP.

Net savings are defined as gross savings less the Contractor's costs and less the Authority's costs.

1. Contractor's cost means reasonable costs incurred by the Contractor in preparing the VEP and making the change.
2. Authority's costs means reasonable costs incurred by the Authority for evaluating and implementing the VEP.
3. Contractor is not entitled to share in either concurrent, collateral or future contract savings. Collateral savings are those measurable net reductions in the Authority's costs of operation that result from the VEP. Concurrent savings cover the reductions in the cost of performance of other contracts.

Contractor shall include appropriate VEP provisions in all subcontracts greater than \$25,000.

J. STOP NOTICES

The Authority, at its sole discretion, may, at any time, retain out of any amounts

due the Contractor, sums sufficient to cover claims filed pursuant to Section 9358 et. seq. of the California Civil Code.

K. ORDER OF WORK

Contractor shall perform work hereunder at such places, and in such order or precedence, as may be determined necessary by the Engineer to expedite completion of the required work.

L. LABOR PROVISIONS

1. Prevailing Wages

Contractor shall comply with all applicable requirements of Division 2, Part 7, Chapter 1 of the Labor Code and all applicable federal requirements respecting prevailing wages. If there is a difference between the minimum wage rates predetermined by the Secretary of Labor and the wage rates determined by the Director of the Department of Industrial Relations (DIR) for similar classifications of labor, the Contractor and subContractors shall not pay less than the higher wage rate. The DIR will not accept lower state wage rates not specifically included in the Federal minimum wage determination.

2. Minimum Wages

- a. All mechanics and laborers employed or working upon the site of the work will be paid unconditionally, and not less often than once a week and without subsequent deduction or rebate on any account, the full amounts due at time of payment computed at wage rates not less than those specified in the General Wage Determinations referenced in this section regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics; and the wage determination decision shall be posted by the Contractor at the site of the work in a prominent place where it can be easily seen by the workers. For the purpose of this clause, contributions made or cost reasonably anticipated under the Labor Code of the State of California on behalf of laborers or mechanics are considered wages paid by such Laborers or mechanics. Also for the purpose of this clause, regular contributions made or costs incurred for more than a weekly period under plans, funds or programs, but covering the particular weekly period, are deemed to be constructively made or incurred during such weekly period.
- b. Authority shall require that any class of laborers or mechanics, including apprentices and trainees, which is not listed in the General Wage Determinations and which is to be employed under this Contract, shall be classified conformably to such wage determinations. In the event the Authority does not concur in the Contractor's proposed classification or reclassification of a particular class of laborers and mechanics (including apprentices and trainees) to be used, the question, accompanied by the

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recommendation of the Authority, shall be referred to the State Director of Industrial Relations for determination.

- c. Authority shall require, whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly wage and the Contractor is obligated to pay a cash equivalent of such a fringe benefit, an hourly cash equivalent thereof to be established. In the event the interested parties cannot agree upon cash equivalent of the fringe benefit, the questions, accompanied by the recommendation of the Authority, shall be referred to the State Director of Industrial Relations for determination.
- d. All disputes concerning the payment of wages or the classification of workers under this Agreement shall be promptly reported to the Authority.

3. Deductions

Authority may deduct from each progress payment and the Final Payment the following:

- a. Any Authority or third party claims or losses for which Contractor is responsible hereunder or any Liquidated Damages which have accrued as of the date of the application for payment;
- b. If a notice to stop payment is filed with Authority, due to the Contractor's failure to pay for labor or materials used in the work, money due for such labor or materials, plus the 25% prescribed by law, will be withheld from payment to the Contractor. In accordance with Section 9358 of the Civil Code, Authority may accept a bond by a corporate surety in lieu of withholding payment;
- c. Any sums expended by or owing to Authority as a result of Contractor's failure to maintain the as-built drawings;
- d. Any sums expended by Authority in performing any of the Contractor's obligations under the Contract which Contractor has failed to perform; and
- e. Any other sums which Authority is entitled to recover from Contractor under the terms of the Contract.

The failure by Authority to deduct any of these sums from a progress payment shall not constitute a waiver of Authority's right to such sums.

All amounts owing by Contractor to Authority under the Contract shall earn interest from the date on which such amount is owing at the lesser of (i) 10% per annum or (ii) the maximum rate allowable under applicable Governmental Rules.

4. Payrolls and Basic Records

- a. Payrolls and basic records relating thereto will be maintained during the course of the work and preserved for a period of three (3) years thereafter for all laborers and mechanics working at the site of the work. Such records will contain the name, address and social security number of each such worker, the correct classification, rates of pay, daily and weekly number of hours worked, deductions made and actual wages paid.
- b. Contractor will submit weekly a copy of all payrolls to the Authority as required in these "Labor Provisions." The copy shall be accompanied by a statement signed by the employer or its agent indicating that the payrolls are correct and complete, that the wage rates contained therein are not less than those determined by the State Director of Industrial Relations and that the classifications as set forth for each laborer or mechanic conform to the work performed. A submission of the "Weekly Statement of Compliance," which is required under this Contract, shall satisfy this requirement. The prime Contractor shall be responsible for the submission of copies of payrolls of all subContractors. The Contractor will make the records required under the labor standard clauses of the contract available for the inspection by authorized representatives of the Authority, and will permit such representatives to interview employees during working hours on the job.

5. Apprentices and Trainees

- a. Apprentices: Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed and individually registered in a bona fide apprenticeship program as defined in section 1777.5 of the Labor Code of the State of California. The allowable ratio of apprentices to journeymen in any craft classification shall not be greater than the ratio permitted to the Contractor as to his entire work force under the registered program. Any employee listed on a payroll at an apprentice wage rate who is not registered or otherwise employed as stated above, shall be paid the wage rate determined by the State Director of Industrial Relations for the classification of work he actually performed. The Contractor or subContractor will be required to furnish to the Authority or the State Director of Industrial Relations written evidence of the registration of his program and apprentices as well as the appropriate ratios and wage rates (expressed in percentages of the journeyman's rate contained in the applicable wage determination).
- b. Trainees: Except as provided in 29 CFR 5.15, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to or individually registered in a program which has received prior approval, evidenced by formal certification, by the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training. The ratio of trainees to journeymen shall not be

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greater than that permitted under the plan approved by the Bureau of Apprenticeship and Training. Every trainee must be paid at not less than the rate specified in the approved program for his level of progress. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Bureau of Apprenticeship and Training shall be paid not less than the wage rate determined by the Secretary of Labor for the classification of work he actually performed. The Contractor or subContractor will be required to furnish the contracting officer or a representative of the Wage-Hour Division of the U.S. Department of Labor written evidence of the certification of his program, the registration of the trainees, and the ratios and wage rates prescribed in that program. In the event the Bureau of Apprenticeship and Training withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- c. Equal Employment Opportunity: The utilization of apprentices and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended and 29 CFR, Part 30.

6. Contract Termination; Debarment

A breach of item 1 through 6 may be grounds for termination of the contract, and for debarment as provided in 29 CFR 5.6.

7. Overtime Requirements

No Contractor or subContractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic in any work week in which he is employed on such work to work in excess of 8 hours a day or 40 hours in such work week unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 8 hours a day or 40 hours in such work week.

8. Violation; Liability for Unpaid Wages

Pursuant to section 1775 of the Labor Code of the State of California, in the event that any workman employed on this public works project is paid less than the amount specified in the General Prevailing Wage Determinations or less than is required, relative to overtime, the Contractor and any subContractor responsible therefore shall be liable to the affected workman for the unpaid wages. In addition, such Contractor and subContractor shall be liable to the State of California or the Authority for liquidated damages. Such liquidated damages shall be computed with

respect to each individual workman found to be underpaid and shall be in the amount of \$\$1,000.00 per calendar day that a workman was underpaid.

9. Withholding for Liquidated Damages

The Authority may withhold or cause to be withheld, from any monies payable on account of work performed by the Contractor or subContractor, such sums as may administratively be determined to be necessary to satisfy any liabilities of such Contractor or subContractor for liquidated damages as provided in this section.

10. Final Labor Summary

The Contractor and each subContractor shall furnish to the Authority, upon the completion of the contract, a summary of all employment, indicating for the completed project, the total hours worked and the total amount earned.

11. Final Certificate

Upon completion of the contract, the Contractor shall submit to the Authority, with the voucher for a final payment for any work performed under the contract, a concerning wages and classifications for laborers and mechanics, including apprentices and trainees employed on the project, in the following form:

The undersigned, Contractor on

(Contract No.)

hereby certifies that all laborers, mechanics, apprentices and trainees employed by the Contractor or by a subContractor performing work under the contract on the project have been paid wages at rates not less than those required by the contract provisions, and that the work performed by each such laborer, mechanic, apprentice or trainee conformed to the classifications set forth in the contract or training program provisions applicable to the wage rate paid.

Signature and Title

12. Notice to the Authority of Labor Dispute

Whenever the Contractor has knowledge that any actual or potential labor dispute is delaying or threatens to delay the timely performance of this contract, the Contractor shall immediately give notice thereof, including all relevant information with respect thereto, to the Authority.

13. Disputes Clause

All disputes concerning the payment of prevailing wage rates or classifications shall be promptly reported to the Authority for its referral to the State. The decision of Department of Industrial Relations shall be final.

14. Convict Labor

In connection with the performance of work under this Contract, the Contractor agrees not to employ any person-undergoing sentence of imprisonment at hard labor. This does not include convicts who are on parole or probation.

15. Insertion in Subcontracts

The Contractor shall set forth in item 1 through 15 of this Section so that all of the provisions of this section will be inserted in all construction subcontracts of any tier, and such other clauses as the Government may by appropriate instructions require.

16. Certified Payrolls

- a. The Authority shall obtain from the Contractor and each subContractor a certified copy of each weekly payroll within seven (7) days after the regular payroll date. Following a review by the Authority for compliance with State and Federal labor laws, the payroll copy shall be retained at the project site for later review by FTA.
- b. Contractor may use the Department of Labor Form WH-347, "Optional Payroll Form," which provides for all the necessary payroll information and certifications.
- c. If, on or before the 20th of the month, the Contractor has not submitted satisfactory payrolls covering its work and the work of all subContractors for all payroll periods ending on or before the 6th of that month, such payrolls will be considered to be delinquent. Regardless of the number of delinquent payrolls, an amount equal to 10% (but not less than \$1,000 or more than \$10,000) shall be deducted from the estimate. Deductions will be made separately for each estimate period in which a new delinquency appears and will be continued until payrolls have been submitted.
- d. Contractors employing apprentices or trainees under approved programs shall include a notation on the first weekly certified payrolls submitted to the Authority that their employment is pursuant to an approved program and shall identify the program.

M. TIME EXTENSION/DELAYS

- a. Contractor may be granted an extension of time for any portion of a delay in completion of the work due to acts of God, the public enemy, wars, civil unrest, fires, quarantine restrictions, or weather more severe than normal, providing that (1) the aforesaid causes were not foreseeable and did not result from an act or omission by the Contractor, (2) Contractor has taken reasonable precautions to prevent further delays owing to such causes, and (3) Contractor notifies Authority in writing of the cause(s) for the delay within ten (10) days from the beginning of any such delay. No claims for additional compensation or damages for the foregoing delays shall be allowed to the Contractor, and the extension of time provided for herein shall be the sole remedy of the Contractor on account of any such delays.
- b. An extension of time will not be granted for a delay described in the above paragraph(s) caused by a shortage of materials, except if materials are furnished by Authority, unless the Contractor supplies the Authority with documented proof that every effort to obtain the materials from all known sources that (a) such materials could have been obtained only at exorbitant prices or (b) the prices were entirely inconsistent with current rates, taking into account the quantities; and (c) such facts could not have been known or anticipated at the time the Notice To Proceed was issued. Contractor shall also submit proof, that the inability to obtain such materials when originally planned, did in fact, cause a delay in completion of the work that could not be compensated for by revising the sequence of its operations. Only the physical shortage of material will be considered as a basis for an extension of time.
- c. An extension of time for weather more severe than normal shall be granted only to the extent the work is actually delayed as determined by the Authority. Normal is defined as the monthly average of the temperature and rainfall wherein the work was performed for the prior 20 years before the execution of the contract.
- d. In the event Contractor is actually and necessarily delayed by an act or omission on the part of the Authority, as determined by the Authority, the Contractor shall notify the Authority in writing within five (5) days from the beginning of any such delay. The time for completion of the work may be extended at the sole discretion of the Authority.
- e. Within 30 days after the last day of delay, Contractor shall provide Authority with detailed information concerning the circumstances of the delay, the number of days actually delayed, and the measures taken to minimize or prevent the delay. Failure to submit information shall be sufficient reason to deny the claim. Authority shall ascertain the facts and the extent of the delay;

and provide the Contractor its written findings, which will be final and conclusive. Except for the additional compensation for herein and except as provided in Public Contract Code Section 7102, Contractor shall have no claim for damages or compensation for any delay or hindrance.

- f. No extension of time will be granted for any Authority caused delay or delay as defined in which (a) the performance of work would have been concurrently delayed by Contractor induced causes, including but not limited to an act or omission of the Contractor, or (b) remedies are included or excluded by any other contract provision. Only the actual delay necessarily resulting from the causes specified in this Article shall be grounds for extension of time. Should the Contractor be delayed at any time for any period by two or more of the causes specified in this article, Contractor shall only be entitled to one time extension for the entire delay.
- g. Any time extension granted to Contractor shall not release the Contractor or surety from its obligations. Work shall continue and be carried on in accordance with the contract provisions, unless formally suspended or terminated by the Authority.

N. NONDISCRIMINATION

During the performance of this Contract, the Contractor agrees as follows:

- 1. The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, religion, color, sex or national origin. Such action shall include, but not be limited to employment; upgrading; demotion; transfer; recruitment or recruitment advertising; layoff; termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post, in conspicuous places available to the employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- 2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, religion, color, sex or national origin.
- 3. The Contractor will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Contractor's commitments under this Section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

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4. The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations and relevant orders of the Secretary of Labor. The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.
5. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this Contract or with any of the said rules, regulations or orders, this Contract may be canceled, terminated or suspended in whole or in part, and the Contractor may be declared ineligible for further Government contracts or Federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation or order, of the Secretary of Labor, or as otherwise provided by law.
6. The Contractor will include the provisions of this Paragraph ("Nondiscrimination") in every subcontract or purchase order entered into under this Agreement unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subContractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance provided, however, that in the event a Contractor becomes involved in, or is threatened with, litigation with a subContractor or vendor as a result of such direction by the administering agency, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.
7. No person employed on the work covered by this Agreement shall be discharged or in any way discriminated against because he has filed any complaints or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the labor standards applicable hereunder to his employer.

O. TITLE VI OF THE CIVIL RIGHTS ACT OF 1964

Contractor agrees to comply with and ensure compliance by all subContractors with all requirements of Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. §2000d; 49 U.S.C. §5332 and Department of Transportation Regulations, "Nondiscrimination in Federally-Assisted Programs of the Department of

Transportation-Effectuation of Title VI of the Civil Rights Act," 49 CFR Part 21.

P. AFFIRMATIVE ACTION

Contractors and subContractors holding a value of work of \$10,000 or more must submit a Monthly Employment Utilization Report (Form 257) to the Authority Engineer by the 5th of each month or sanctions shall be applied for late submittal, non-submittal and incomplete forms returned to the Contractor and resubmitted after the due date.

The reporting period shall be for each calendar month.

The report shall include the information requested for each Contractor's aggregate work force (for all workers on all projects within Orange County) and not just for workers on this project.

If the form is not received by the 5th of the month, a deduction of 10% (with a minimum of \$1,000 and a maximum of \$10,000) will be withheld from the monthly estimate at the option of the Authority.

The Contractor shall designate an Equal Employment Officer for the project and notify the Authority in writing whom that person is prior to beginning of work. All workers shall also be informed who the EEO Officer is.

**Q. STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS (EXECUTIVE ORDER
11246)**

1. As used in these specifications:
 - a. "Covered area" means the geographical area described in the solicitation from which this Contract resulted;
 - b. "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates AUTHORITY;
 - c. "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941;
 - d. "Minority" includes persons who are citizens or lawful permanent residents of the United States and are one of the following:
 1. Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);

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2. Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American, Portuguese American or other Spanish culture or origin, regardless of race);
 3. Asian and Pacific Islanders (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent or the Pacific Islands);
 4. American Indians and Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification);
 5. Women regardless of ethnicity.
2. In order for the nonworking training hours of apprentices to be counted in meeting the goals, such apprentices must be employed by the Contractor during the apprenticeship period, and the Contractor must have made a commitment to employ the apprentices at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
 3. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
 - a. Ensure and maintain a working environment free of harassment, intimidation and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - b. Establish and maintain a current list of disadvantaged and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organization's responses.
 - c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and

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disadvantaged or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefore, along with whatever additional actions the Contractor may have taken.

- d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a disadvantaged person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
- e. Develop on-the-site-training opportunities and/or participate in training programs for the area which expressly include minority and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 3.b. above.
- f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
- g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as Superintendents, General Foreman, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed and disposition of the subject matter.
- h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority

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and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and subContractors with whom the Contractor does or anticipates doing business.

- i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractors' recruitment area and employment needs. Not later than one month prior to the date of the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the opening, screening, procedures and tests to be used in the selection process.
- j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of Contractor's work force.
- k. Validate all tests and other selection requirements where there is an obligation to do so under 41 C.F.R., Part 60-3.
- l. Conduct, at least annually, an inventory and evaluation of all minority and female personnel for promotional opportunities, and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
- m. Ensure that seniority practices, job classifications, working assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.
- n. Ensure that all facilities and company activities are non-segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
- o. Document and maintain a record of all solicitations or offers for subcontracts from disadvantaged and female construction Contractors and suppliers, including circulation of solicitations, to disadvantaged and female Contractor associations and other business associations.
- p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and

affirmative action obligations.

4. Contractors are encouraged to participate in voluntary associations, which assist in fulfilling one or more of their affirmative action obligations (3. (a) through (p)). The efforts of a Contractor association, joint Contractor-union, Contractor-community, or other similar group of which the Contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 3. (a) through (p) of these specifications provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female work force participation, make a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's failure if such a group to fulfill an obligation, shall not be a defense for the Contractor's noncompliance.
5. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, male and female, and all women, both minority and nonminority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order 11246 if a specific minority group of women is underutilized.)
6. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex or national origin.
7. The Contractor shall not enter into any subcontract with a person or firm debarred from Government contracts pursuant to Executive Order 11246.
8. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
9. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those

standards prescribed in item 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 C.F.R. 60-4.8.

10. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation, if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree of existing records satisfy this requirement; Contractor shall not be required to maintain separate records.
11. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

R. CONFLICT OF INTEREST

All Contractors responding to this Invitation For Bids must avoid organizational conflicts of interest which would restrict full and open competition in this procurement. An organizational conflict of interest means that due to other activities, relationships or contracts, a Contractor is unable, or potentially unable to render impartial assistance or advice to the Authority; a Contractor's objectivity in performing the work identified in the specifications is or might be otherwise impaired; or a Contractor has an unfair competitive advantage. Contractor is obligated to fully disclose to the Authority in writing any conflict of interest issues as soon as they are known. All disclosures must be disclosed at the time of bid submittal.

S. CODE OF CONDUCT

Contractor agrees to comply with the Authority's Code of Conduct as it related to Third-Party contracts which is hereby referenced and by this reference is incorporated herein. Contractor agrees to include these requirements in all of it's subcontracts.

T. GOVERNMENT INSPECTIONS

Authority or its representatives shall have access to the construction site and shall have the right to inspect all project works.

U. LICENSING, PERMITS AND INSPECTION COSTS

1. The Contractor warrants that it has all necessary licenses and permits required by the laws of the United States, State of California, the County of Orange, the Local Jurisdictions, and all other appropriate governmental agencies, and agrees to maintain these licenses and permits in effect for the duration of the Agreement. Further Contractor warrants that its employees, agents, and Contractors and subContractors shall conduct themselves in compliance with such laws and licensure requirements including, without limitation, compliance with laws applicable to nondiscrimination, sexual harassment and ethical behavior throughout the duration of this Agreement Contractor further warrants that it shall not retain or employ an unlicensed subContractor to perform work on this Project. Contractor shall notify the Authority immediately and in writing of its employees', agents', Contractors' or subContractors' inability to obtain or maintain, irrespective of the pendency of any appeal, any such licenses, permits, approvals, certificates, waivers, and exemptions. Such inability shall be cause for termination of this Agreement.
2. Contractor shall procure all permits and licenses; pay all charges, assessments and fees, as may be required by the ordinances and regulations of the public agencies having jurisdiction over the areas in which the work is located, and shall comply with all the terms and conditions thereof and with all lawful orders and regulations of each such public agency relating to construction operations under the jurisdiction of such agency.

V. HAZARDOUS SUBSTANCES

1. CAL-OSHA Requirements

All flammable, corrosive, toxic, or reactive materials being bid must have a complete CAL-OSHA Material Safety Data Sheet accompanying the submitted bid.

2. South Coast Air Quality Management District (SCAQMD)

All materials (paints, coatings, inks, solvents, and adhesives) shall comply with the volatile organic compounds (VOC) content requirements of the applicable SCAQMD rules.

3. Notice of Hazardous Substances

Title 8, California Code of Regulations, Section 5194 (e) (c), states that the employer must inform any Contractor employers with employees working in the employer's workplace of the hazardous substances to which their employees may be exposed while performing their work. In compliance with this requirement, the Authority hereby gives notice to all bidders that the following general categories of hazardous substances are present on the Authority's premises:

- Adhesives, sealant, patching, and coating products
- Antifreezes, coolants
- Cleaners, detergents
- Paints, thinners, solvents
- Pesticides, Petroleum products (diesel and unleaded fuel, oil products)
- Printing, photocopying materials
- Propane Welding materials/compressed gases (e.g., acetylene, oxygen, nitrogen)

More specific information may be obtained from the Authority's Safety and Benefits office at (714) 560-5854, and from Material Safety Data Sheets for individual products.

4. Hazardous Waste Labels

Containers containing hazardous substances must be labeled with the following information:

- Identity of hazardous substance-chemical name, not manufacturer or trade name;
- Appropriate health warning relative to health and physical hazard; and
- Name and address of manufacturer or other responsible party. All containers containing hazardous substances may be rejected unless containers are properly labeled. Containers of 55 gallons or larger must have either weather resistant labels or the information should be painted directly on the containers.

W. CHANGES IN LAWS AND REGULATIONS

Contractor shall at all times comply with all applicable state and local regulations, policies, procedures and directives, including without limitation those listed directly or by reference in this Agreement. Contractor's failure to so comply shall constitute a material breach of contract.

X. MEDIA AND THE PUBLIC

Contractor shall immediately refer all inquiries from the news media or other public sources to the Authority's Project Manager, or designated representative,

relating to this project.

Y. COORDINATION AND ACCESS

Authority may undertake or award other contracts for additional work at the project site. Contractor is responsible for coordinating its work with the work of other Contractors as appropriate. The Contractor acknowledges that they do not have any exclusive access to the site or other work areas Authority may require that certain facilities and areas be used concurrently by the Contractors and others. Contractor shall cooperate fully with Authority Contractors/consultants that may be performing work in the construction area.

Z. UTILITIES RELATED DELAYS

If, due to interruptions caused by the undocumented utilities, Contractor sustains loss which could not have been avoided by the judicious handling of forces, equipment and plant, there shall be paid to the Contractor that amount that the Authority may find to be a fair and reasonable compensation for the part of the Contractor's actual loss, that, in the opinion of Authority was unavoidable, determined as follow: Compensation for idle time of equipment will be determined in the same manner as determinations are made for equipment used in the performance of extra work paid for on a force account basis, as provided in Section F. Extra Work and Changes, Item 3,c. Equipment with the following exceptions:

1. The utility related delay factor for each classification of equipment shown in the Department of Transportation publication entitled Labor Surcharge And Equipment Rental Rates will be applied to that equipment rental rate.
2. The time for which the compensation will be paid will be the actual normal working time during which the delay condition exists, but in no case will exceed 8 hours in any one day.
3. The days for which compensation will be paid will be the calendar days, excluding Saturdays, Sundays and legal holidays, during the existence of the delay, except that when the rented equipment can be returned or used elsewhere on the project, then no payment will be made for utilities related delays.

Actual loss shall be understood to include no items of expense other than idle time of equipment and necessary payments for idle time of workers, and cost of extra moving of equipment. Compensation for idle time of equipment will be determined as provided in this Section and compensation for idle time of workers will be determined as provided in Section F. Extra Work and Changes, Item 3, b. "Labor," and no markup will be added in either case for overhead and profit. The cost of extra moving of equipment will be paid for as extra work and changes as provided in Section F of General Provisions.

If performance of the Contractor's work is delayed as the result of the Utilities Related Delays, an extension of time determined pursuant to the provisions in Article 18. Termination for Default – Damages for Delay – Time Extensions will be granted.

AA. UTILITIES AND SUBSURFACE STRUCTURES

Contractor shall protect from damage utility and other subsurface structures that are to remain in place, be installed, relocated or otherwise rearranged (as used herein, rearranged includes installation, relocation, alteration or removal).

The right is reserved to the Authority, or their authorized agents, to enter upon the site for the purpose of making those changes that are necessary for the rearrangement of their facilities or for making necessary connections or repairs to their properties. Contractor shall cooperate with forces engaged in this work and shall conduct operations in such a manner as to avoid any unnecessary delay or hindrance to the work being performed by the other forces. Wherever necessary, the work of Contractor shall be coordinated with the rearrangement of utility or other non-highway facilities, and Contractor shall make arrangements with the owner of those facilities for the coordination of the work.

Attention is directed to the possible existence of underground main or trunk line facilities not indicated on the plans or in the special provisions and to the possibility that underground main or trunk lines may be in a location different from that which is indicated on the plans or in the special provisions. Contractor shall ascertain the exact location of underground main or trunk lines whose presence is indicated on the plans or in the special provisions, the location of their service laterals or other appurtenances, and of existing service lateral or appurtenances of any other underground facilities which can be inferred from the presence of visible facilities such as buildings, meters and junction boxes prior to doing work that may damage any of the facilities or interfere with their service.

If Contractor cannot locate an underground facility whose presence is indicated on the plans or in the special provisions, the Contractor shall so notify the Authority in writing. If the facility for which the notice is given is in a substantially different location from that indicated on the plans or in the special provisions, the additional cost of locating the facility will be paid for as extra work as provided in Section F.

If Contractor discovers underground main, trunk lines or other structures and utilities not indicated on the plans or in the special provisions, Contractor shall immediately give the Authority and the Utility Company written notification of the existence of those facilities. Such facilities shall be located and protected from damage as directed by the Authority, and the cost of that work will be paid for as extra work as provided in Section F. Contractor shall, if directed by the Authority repair any damage which may occur to the main or trunk lines. The cost of that repair work, not due to the failure of the Contractor to exercise reasonable care,

will be paid for as extra work as provided in Section F. Damage due to Contractor's failure to exercise reasonable care shall be repaired at the Contractor's cost and expense.

Where it is determined by the Authority that the rearrangement of an underground facility is essential in order to accommodate the project work and the plans and specifications do not provide that the facility is to be rearranged, AUTHORITY will provide for the rearrangement of the facility by other forces or the rearrangement shall be performed by Contractor and will be paid for as extra work as provided in Section F.

When ordered by the Authority in writing, Contractor shall rearrange any utility or other subsurface structures necessary to be rearranged as a part of the project work and that work will be paid for as extra work as provided in Section F.

Should Contractor desire to have any rearrangement made in any utility facility, or other improvement, for the Contractor's convenience in order to facilitate the Contractor's construction operations, which rearrangement is in addition to, or different from, the rearrangements indicated on the plans or in the special provisions, the Contractor shall make whatever arrangements are necessary with the owners of the utility or other subsurface structure for the rearrangement and bear all expenses in connection therewith.

Contractor shall immediately notify the Authority of any delays to the Contractor's operations as a direct result of underground utilities or other structures which were not indicated on the plans or in the special provisions or were located in a position substantially different from that indicated on the plans or in the special provisions, (other than delays in connection with rearrangements made to facilitate the Contractor's construction operations or delays due to a strike or labor dispute). These delays will be considered utilities related delays within the meaning of Section X., Utilities Related Delays and compensation for the delay will be determined in conformance with the provisions in Section M. Contractor shall be entitled to no other compensation for that delay.

BB. LOCATION OF UNDERGROUND FACILITIES (OFFSITE WORK ONLY)

Contractor is required to obtain digging permits prior to start of excavation by contacting the appropriate permitting agencies 15 calendar days in advance. For the Offsite work scan the construction site with electromagnetic or sonic equipment, and mark the surface of the ground where existing underground utilities are discovered. Verify the elevations of existing piping, utilities, and any type of underground obstruction not indicated or specified to be removed but indicated or discovered during scanning in locations to be traversed by piping, ducts, and other work to be installed. Verify elevations before installing new work closer than nearest manhole or other structure at which an adjustment in grade can be made. Perform potholing to confirm location of all the utilities along the construction alignment prior to start of the construction. The Contractor is

responsible for all costs associated with these investigations including the cost of equipment, labor and materials required for any confined space entry.

CC. UNFORESEEN HAZARDOUS OR REGULATED MATERIALS

All known hazardous or regulated materials are indicated in the contract documents. If material that is not indicated in the contract documents is encountered that may be dangerous to human health upon disturbance during construction operations, stop that portion of work and notify Authority immediately. Intent is to identify materials such as PCB, lead paint, mercury, petroleum products, and friable and non-friable asbestos. Within 14 calendar days, the Authority will determine if the material is hazardous. If the material is not hazardous or poses no danger, the Authority will direct Contractor to proceed without change. If the material is hazardous and handling of the material is necessary to accomplish the work, Authority will contract with a qualified environmental remediation/hazardous materials removal Contractor for such remediation or removal as may be necessary. The remediation or removal will be performed in compliance with applicable State, Federal, and local environmental laws and regulations.

Contractor shall immediately notify the Authority of any delays to the Contractor's operations as a direct result of Unforeseen Hazardous and Regulated Materials. These delays will be considered utilities related delays within the meaning of Section X., Utilities Related Delays and compensation for the delay will be determined in conformance with the provisions in Section M. Contractor shall be entitled to no other compensation for that delay.

SECTION VI: PROJECT SPECIFICATIONS - EXHIBIT B

SCOPE OF WORK

Demolition Services

Raymond Avenue Grade Separation Project, Fullerton, California

1. SCOPE OF WORK

1.1 As part of the City of Fullerton's planned Raymond Avenue Grade Separation Project, commercial, industrial and residential properties will be acquired, whereby, structures, other man-made constructions and vegetation on these properties will need to be demolished and cleared prior to project construction. The CONTRACTOR shall perform all work described below.

1.2 Remove all existing structures and utilities from the properties to the depths indicated and backfill all excavations to the level of the surrounding existing ground surface.

1.3 The work includes removal of hazardous materials prior to and during structure removals. Exhibit J-1 contains a survey of certain properties that were accessible at the time that these contract documents were prepared, and the survey indicates the presence of hazardous materials. For the properties where survey data is provided, the CONTRACTOR shall remove the hazardous materials as indicated in Exhibit J-1. CONTRACTOR shall provide a separate lump sum price in the Schedule of Prices, Exhibit C, for the hazardous materials removal and disposal work the separate properties.

1.4 Other properties were not surveyed, but the CONTRACTOR will likely encounter similar hazardous materials in those other properties. The removal of hazardous materials required to demolish the structures at the other properties (those not covered by the in Exhibit J-1 survey and work plan) shall be paid for by the AUTHORITY as a change order to the contract in accordance with the Contract Change Order provisions of the Agreement and as described in section F, Extra Work And Changes, of Exhibit A, General Provisions. Allowance Pay Items have been established for the hazardous materials removal and disposal work at those properties. See the Schedule of Prices, Exhibit C, for the dollar amount estimated by the AUTHORITY for that work.

1.5 Prior to starting hazardous materials removal and demolition work at the properties not included in the in Exhibit J-1 survey, the CONTRACTOR shall:

- a) Notify the AUTHORITY ten (10) days before beginning any hazardous material removal work, stating in the written notice the scheduled start date of work at each property.
- b) Allow the AUTHORITY's CONSULTANT twenty-one (21) days after providing the written notice (noted above) to complete the inspection of the property, prepare a removal and abatement work plan for the subject property (similar to the type of

work plan included as Appendix C of Exhibit J-1), and deliver the removal and abatement work plan to the CONTRACTOR.

- c) Prepare and submit a cost proposal covering the hazardous material removal work described by the removal and abatement work plan for the subject property within seven (7) days after receipt of the removal and abatement work plan.
- d) Allow the AUTHORITY five (5) additional days to review and respond to the cost proposal. If an agreement for compensation cannot be reached between the AUTHORITY and the CONTRACTOR within seven (7) days after submission of the cost proposal, the AUTHORITY may order the CONTRACTOR to proceed with the hazardous material removal and abatement work plan tasks for the subject property on a Force Account basis per the compensation terms contained in the General Provisions.
- e) Not proceed with the hazardous materials removal work for the subject property until authorized to do so in writing by the AUTHORITY.
- f) Promptly proceed with the added hazardous materials removal work and complete the added work at the subject property within seven (7) days after written order to proceed by the AUTHORITY.
- g) Perform all additional hazardous materials removal work in accordance with all applicable Federal, State and Local laws and regulations.
- h) Commence building structure demolition only after removal and proper disposal of the hazardous materials.

2. PROPERTIES

Property Addresses and Primary Structure Descriptions follow. Refer to Exhibit H for a Map indicating the property locations. See Exhibit I, Description of Property Improvements (Existing), for a more detailed description of the existing properties.

2.1 349 & 351 S. Raymond Avenue, Fullerton (ID-1)

Demolish and clear the property of all improvements including, but not limited to: Concrete Tilt Up Building, built in 1959 (8,000 square feet). There is no hazardous materials survey provided for this property.

2.2 371 S. Raymond Avenue, Fullerton (ID-2)

Demolish and clear the property of all improvements including, but not limited to: Concrete Tilt Up Building, built in 1959 (8,702 square feet). There is no hazardous materials survey provided for this property.

2.3 503 S. Raymond Avenue, Fullerton (ID-3)

Demolish and clear the property of all improvements including, but not limited to:

Industrial condominium complex, built in 1974 (18,200 square feet total for ID-3, ID-4 and ID-5). Hazardous materials at 503 S. Raymond Avenue are described in Exhibit J-1.

2.4 505 S. Raymond Avenue, Fullerton (ID-4)

Demolish and clear the property of all improvements including, but not limited to: Industrial condominium complex, built in 1974. The unit at 505 S. Raymond is one of three units in the building. There is no hazardous materials survey provided for 505 S. Raymond Avenue.

2.5 511 S. Raymond Avenue, Fullerton (ID-5)

Demolish and clear the property of all improvements including, but not limited to: Industrial condominium complex, built in 1974. The unit at 511 S. Raymond is one of three units in the building. There is no hazardous materials survey provided for 511 S. Raymond Avenue.

2.6 522 to 532 S. Raymond, Fullerton (ID-6)

Demolish and clear the property of all improvements including but not limited to: Industrial building, built in 1955 (9,573 square feet). Hazardous materials at this property are described in Exhibit J-1.

2.7 525 S. Raymond Avenue, Fullerton (ID-7)

Demolish and clear the property of all improvements including, but not limited to: Industrial condominium complex, built in 1974 (18,012 square feet total for the building that includes ID-7, ID-8, ID-9 and ID-10). There is no hazardous materials survey provided for 525 S. Raymond Avenue.

2.8 529 S. Raymond Avenue, Fullerton (ID-8)

Demolish and clear the property of all improvements including, but not limited to: Industrial condominium complex, built in 1974. The unit at 529 S. Raymond is one of four units in the building. There is no hazardous materials survey provided for 529 S. Raymond Avenue.

2.9 535 S. Raymond Avenue, Fullerton (ID-9)

Demolish and clear the property of all improvements including, but not limited to: Industrial condominium complex, built in 1974. The unit at 535 S. Raymond is one of four units in the building. Hazardous materials at 535 S. Raymond Avenue are described in Exhibit J-1.

2.10 539 S. Raymond Avenue, Fullerton (ID-10)

Demolish and clear the property of all improvements including, but not limited to: Industrial condominium complex, built in 1974. The unit at 529 S. Raymond is one of four units in the building. There is no hazardous materials survey provided for 539 S. Raymond Avenue.

2.11 1124 E. Walnut Avenue, Fullerton (ID-11)

Demolish and clear the property of all improvements including, but not limited to: Single-family residence, 1,933 square feet. There is no hazardous materials survey provided for this property.

2.12 1128 E. Walnut Avenue, Fullerton (ID-12)

Demolish and clear the property of all improvements including, but not limited to: Single-family residence, 950 square feet. Hazardous materials at this property are described in Exhibit J-1.

2.13 1131 E. Walnut Avenue, Fullerton (ID-13)

Demolish and clear the property of all improvements including, but not limited to: Single-family residence, 730 square feet. Hazardous materials at this property are described in Exhibit J-1.

2.14 1132 E. Walnut Avenue, Fullerton (ID-14)

Demolish and clear the property of all improvements including, but not limited to: Single-family residence, 987 square feet. Hazardous materials at this property are described in Exhibit J-1.

2.15 Mobilization

A separate payment will be made for Mobilization of the CONTRACTOR's labor force, materials and construction equipment to the project site, including the installation of the temporary fencing and other temporary facilities. The price submitted as part of the bid shall not exceed 5% of the total contract price.

3. WORK REQUIREMENTS FOR ALL PROPERTIES

3.1 Secure all the properties ("the sites") with a six foot chain link fence, green cloth screening material, and gate(s), in accordance with Caltrans Standard Plan A85, CL-6 permanent chain link fence. A minimum of one double gate, with a minimum 12 foot wide opening, shall be provided at each separately-fenced area, at a location to be approved by the AUTHORITY. The fencing and gates shall remain in place upon completion of the work and become the property of the AUTHORITY.

3.2 CONTRACTOR is required to have a General Contractor License A or Specialty License C-21.

3.3 Obtain required City Demolition Permits.

3.4 Insure all utilities are properly terminated "cut and capped" at the property lines, and removed from within the project areas. All services shall be disconnected prior to any demolition work within the sites. CONTRACTOR shall disconnect and cap any

utilities not cut and capped by others prior to the start of CONTRACTOR's work. Site boundaries typically follow the back of sidewalk, but CONTRACTOR must verify actual property lines utilizing the services of a licensed surveyor. All utilities shall be abandoned in accordance with the applicable SSPWC (Standard Specification for Public Works Construction) specification or applicable utility's standards or specifications and inspected / accepted by the owning utility. Sewers are to be properly terminated at the property lines, and at their existing invert depths. All cut sewer lines within the sites are to be removed. Any sewer openings or breaks exposed during the removal operations shall be suitably plugged immediately.

3.5 Comply with the specifications found in the hazardous materials survey reports and, if any hazardous material removal is required, follow the specifications in the hazardous materials survey and removal plan included as Exhibit J-1, or the additional hazardous materials survey and removal instructions prepared by the AUTHORITY's CONSULTANT after award of the contract.

3.6 Consider in the planning and cost of completing the work the possibility of the presence of contaminated soil described in the Initial Site Assessment Report included as Exhibit K.

3.7 Demolish, and clear all properties of all improvements including but not limited to: building debris, concrete slabs, concrete footings, landscaping and irrigation, asphalt, buried water, sewer, and electrical service lines and other materials within the parcel up to the property line.

3.8 All footings and foundations shall be completely removed from the sites to the full depth of the foundation. All excavations and other disturbed areas shall be backfilled and compacted, in 6 inch lifts, with material acceptable to the AUTHORITY.

3.9 All parts of the property disturbed by the CONTRACTOR shall be compacted to an 85% relative compaction density for roadway construction.

3.10 All compacted fill shall be testing by an independent testing laboratory acceptable to the AUTHORITY, and paid for by the CONTRACTOR. Copies of test reports shall be furnished by the independent testing laboratory directly to the AUTHORITY, with a copy to the CONTRACTOR. A minimum of one test shall be taken for each foot of fill and for each 1,000 SF of filled area, or fraction thereof, in single location. CONTRACTOR shall remove, re-compact, and retest, the entire area represented by any failed test until a passing test is obtained.

3.11 All debris shall be removed from all the sites and shall be properly disposed of by the CONTRACTOR and the site left in a neat condition, free from materials that might constitute a fire hazard or might pose a danger to public health. The sites shall be graded and smoothed so that the lot will be neat, clean, and in good condition and appearance. Grading shall be sufficient to avoid any ponding and to allow site to drain.

4. DELIVERABLES

4.1 Refer to the Hazardous Materials Survey Report (Exhibit J-1) for all deliverable documents as stated in the Hazardous Materials Survey Report, including, but not limited to:

- Worker Documentation (Asbestos and Lead Worker/ Supervisor Training; Medical Clearance Documentation, Respirator Fit Test): Of all workers / supervisor's that worked on this job, based on sign-in logs.
- Notifications – OSHA, SCAQMD, CDPH (if applicable)
- Contractor licensure – DOSH certificate of registration for asbestos work; Contractor License; Insurance Liability Documentation.
- Waste Manifests / Waste characterization (if applicable) - signed by AUTHORITY's authorized representative.
- Personal air sampling lab data
- Sign – in sheets / Daily Field Logs
- Compaction Test Results, as required

4.2 Additional Deliverables:

- Site Specific Contractor Safety Plan
- Prepare and furnish water pollution control plan (WPCP) in accordance with Caltrans WPCP Preparation Manuals.
- EPA Number
- Certificate of Completion
- Copies of all Notifications and demolition Permits
- Sewer cap inspection(s) approval forms and photographs of sewer cap(s)

5. TIME FOR PERFORMANCE OF WORK

5.1 The term "day" shall mean calendar day, unless otherwise indicated.

5.2 All work shall be completed within **Ninety (90)** days from Notice to Proceed.

5.3 The CONTRACTOR will be charged **One Thousand dollars (\$1,000.00)** per day Liquidated Damages for each calendar day that the work is not completed after that time period.

6. REFERENCED DOCUMENTS

The following Exhibits to the Agreement are in integral part of the Scope of Work.

Exhibit H Site Map

Exhibit I Description of Property Improvements (Existing)

Exhibit J-1 Hazardous Materials Survey Report and Work Plan, dated June 4, 2013

Exhibit K Initial Site Assessment, Raymond Avenue Grade Separation

END OF SECTION

**SECTION VI
LEVEL 3 SAFETY SPECIFICATIONS**

PART I – GENERAL

1.0 GENERAL HEALTH, SAFETY & ENVIRONMENTAL REQUIREMENTS

- A. The Contractor, its sub-tier contractors, suppliers, and employees have the obligation to comply with all Authority health, safety and environmental compliance department (HSEC) requirements, as well as all federal, state, and local regulations pertaining to scope of work, contracts or agreements with the Authority including California Department of Transportation safety requirements and special provisions. Additionally, manufacturer requirements are considered incorporated by reference, as applicable, to this scope of work.
- B. Observance of repeated unsafe acts or conditions, serious violation of health and safety standards, non-conformance of Authority health, safety and environmental compliance department (HSEC) requirements, or disregard for the intent of these safety specifications to protect people and property, by Contractor may be reason for termination for cause, of agreements with the Authority, at the sole discretion of the Authority.
- C. The Authority HSEC requirements, and references contained within this scope of work shall not be considered all-inclusive as to the hazards that might be encountered. Safe work practices shall be pre-planned and performed, and safe conditions shall be maintained during the course of this work scope.
- D. The Contractor shall specifically acknowledge that it has primary responsibility to prevent and correct all health, safety and environmental hazards for which it and its employees, or its sub-tier contractors (and their employees) are responsible. The Contractor shall further acknowledge their expertise in recognition and prevention of hazards in the operations for which they are responsible, that the Authority may not have such expertise, and is relying upon the Contractor for such expertise. The Authority retains the right to notify the Contractor of potential hazards and request the Contractor to evaluate and, as necessary, to eliminate those hazards.
- E. The Contractor shall provide all necessary tools, equipment, and related safety protective devices to execute the scope of work in compliance with the Authority's HSEC requirements, California Code of Regulations (CCR) Title 8 Standards, and recognized safe work practices.
- F. The Contractor shall instruct all its employees, and all associated sub-contractors under contract with the Contractor who work on Authority projects in the following; recognition, identification, and avoidance of unsafe acts and/or conditions applicable to its work.

PART II – SPECIFIC REQUIREMENTS

- 2.0 While these safety specifications are intended to promote safe work practices, Contractors are reminded of their obligation to comply with all federal (CFR 1926 & 1910 Standards), state (CCR Title 8 Standards), local and municipal safety regulations, and Authority health, safety and environmental requirements applicable to their project scope. Failure to comply with these standards may be cause for termination of scope, contracts, or agreements with the Authority, at the sole discretion of the Authority.

2.1 REQUIRED DOCUMENTATION / REPORTING REQUIREMENTS

The Contractor at a minimum shall provide the following documents to the Authority's Project Manager. Items A through E below shall be submitted and accepted by the Authority's Project Manager prior to Contractor mobilization. Item F upon each occurrence, and items G through K, contractor shall verify the following documentation is in place, prior to and during contract scope, and make available to the Authority upon request within 72 hours.

A. Comprehensive Project Specific Safety Work Plan.

- a. The Contractor shall develop a site project plan that includes, but is not limited to: Permits, Evacuation, Emergency Plan, Safety Policy, Responsibilities, Scope and Construction Activity Details, Constructability Review, Contractor Coordination Process, Safe Work Methods, Hazard Identification & Risk Control, First Aid and Injury Management, Emergency Procedures, Public Protection, Authority and Contractor Site Rules, Incident Reporting and Investigation, Specialized Work or Licensing, Training and Orientation Requirements, Chemical Management, Safety Monitoring, Safety Meetings, Subcontractor Management, and Project Sign Off.
- b. The site specific safety plan shall include identification of known & potential hazards of Contractor's scope and the mitigation methods (i.e., execution plan). The safety plan shall compliment/mirror the line items of the schedule and identify the hazards, tools & equipment, and safe work methods for tasks listed on the schedule.

B. Company Safety Manual.

C. Certification of Compliance of Company's Injury Illness Prevention Program in accordance with California Code of Regulations (CCR) Title 8, Section 3203.

D. Policy or Certification of Compliance Company's Substance Abuse Prevention Policy.

E. The resume and qualifications/certifications of assigned project competent person, and designated onsite safety representative.

F. Accident/Incident investigation report within 24 hours of event (immediate verbal notification to Authority Project Manager, followed by Written Report).

The following required documentation shall be provided to the Authority's Project Manager, upon request within 72 hours.

- G. A copy of Contractor weekly site safety inspection report with status of corrections.
- H. Contractors and sub-tier Contractors competent person list (submit to Authority Project Manager monthly).
- I. Contractors and sub-tier contractors training records for qualified equipment operators, electrical worker certification (NFPA 70E), confined space training, HAZWOPER training, and similar personnel safety training certificates as applicable and at the sole discretion of the OCTA Project Manager and HSEC department upon request within 72 hours and prior to starting scope activity (submit to Project Manager).
- J. A monthly report that includes number of workers on project, a list of sub-tier contractors, work hours (month, year to date, & project cumulative) of each contractor, labor designation, OSHA Recordable injuries and illnesses segregated by medical treatment cases, restricted workday cases, number of restricted days, lost workday cases, and number of lost work days, and Recordable incident rate.

K. TRAINING DOCUMENTATION

To ensure that each employee is qualified to perform their assigned work, when applicable to scope work, contractor shall verify training documentation is in place, prior to and during contract scope, and make available to the Authority, upon request, within 72 hours. Training may be required by the Authority or CCR Title 8 (Cal/OSHA), and required for activity on Authority's property and/or Authority controlled projects.

2.2 HAZARD COMMUNICATION (§5194)

- A. Contractor shall comply with CCR Title 8, Section 5194, Hazard Communication Standard. Prior to use on Authority property and/or project work areas Contractor shall provide the Authority Project Manager copies of MSDS for all applicable products.
- B. All chemicals including paint, solvents, detergents and similar substances shall comply with South Coast Air Quality Management District (SCAQMD) rules 103, 1113, and 1171.

2.3 DESIGNATED SAFETY REPRESENTATIVE

- A. Before beginning on-site activities, the Contractor shall designate an on-site Safety Representative. This person shall be a competent or qualified individual as defined by the Occupational, Safety, and Health Administration (OSHA), familiar with applicable CCR Title 8 Standards, and has the authority to affect

changes in work procedures that may have associated schedule and budget impacts.

- B. The Contractor's safety representative for Authority projects are subject to Acceptance by the Authority Project Manager. All contact information of the safety representative (name, phone, and fax and pager/cell phone number) shall be provided to the Authority Project Manager.
- C. **QUALIFICATIONS** – On capital programs, the Contractor shall submit the resume of the full time, qualified Safety Representative(s) who reports directly to the Contractor's Project Manager or Superintendent, and who is responsible for safety oversight for field operations on the project no later than ten (10) days after receipt of Notice to Proceed, and prior to mobilization. The Contractor's Safety Representative(s) shall have a minimum of five (5) years heavy construction experience in administering safety programs on heavy construction job sites, the last two of which have been administering safety in the construction discipline for which Contractor is contracting with the Authority. The Contractor's Safety Representative shall possess knowledge equal to a CIH, CSP, CHST or similar professional standing. The Contractor Safety Representatives(s) shall be on site during all operational hours. The Safety Representative(s) shall set up, carry forward and aggressively and effectively maintain the project specific safety program and IIPP covering all phases of the Work. If at any time the Contractor wishes to replace their Safety Representative(s), the Contractor must provide written notice thirty (30) days prior to change of personnel to the Authority. The Contractor shall take all precautions and follow all procedures for the safety of, and shall provide all protection to prevent injury to, all persons involved in any way in the Work and all other persons, including, without limitation, the employees, agents, guests, visitors, invitees and licensees of the Authority who may be involved. This requirement applies continuously and is not limited to normal working hours.

For facility modification construction projects, the Contractor shall submit the resume of the qualified Safety Representative who reports directly to the Contractor's Project Manager or Superintendent, and who is responsible for safety oversight for field operations on the project no later than ten (10) days after receipt of Notice to Proceed, and prior to mobilization. The Contractor's Safety Representative shall have, as a minimum, a 30 hour OSHA training certificate, five (5) years construction experience on construction job sites. The authority reserves the right to allow for an exception of these minimum qualification requirements for unforeseen circumstances, at the sole discretion of the Authority Project Manager and HSEC department.

- 1. Capital programs may include, but are not limited to, projects involving demolition and construction of; heavy construction, rail projects, highway projects, parking structures, fuel stations, building construction, bus base construction, and similar projects as deemed a Capital Program at the sole discretion by the Authority.
- 2. Facility modification construction projects may include, but are not limited to, projects involving demolition and construction of transportation centers and

bus Base site and/or building modifications, equipment and/or building upgrades, and similar projects as deemed a Facility Modification Construction Project at the sole discretion by the Authority.

3. Competent Person means an individual who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees and/or property, and who has authorization to take prompt corrective measures to eliminate them.
4. Qualified Person means one who by possession of a recognized degree, certificate, or professional standing, or who by extensive knowledge, training, and experience, has successfully demonstrated his ability to solve or resolve problems relating to the subject matter, the work, or the project.
- D. The Contractor shall designate a competent person for each task, as required by Cal-OSHA standards or laws. The task competent person shall be responsible for the prevention of accidents. If the Authority or any public agency with jurisdiction notifies the Contractor of any claimed dangerous condition at the site that is within the Contractor's care, custody or control, the Contractor shall take immediate action to rectify the condition at no additional cost to the Authority. The Contractor shall be responsible for the payment of all fines levied against the Authority for deficiencies relating to the Contractor's supervision or conduct and/or control of the scope work.
- E. On facility modification construction projects, the Authority Project Manager reserves the right to require the Contractor to provide one full-time safety representative with qualifications as identified in item (C) above whenever the Contractor and its sub-tier contractors, suppliers, and vendors meets or exceeds 10 workers, or is warranted by the scope of work.
- F. On capital programs, the Authority Project Manager reserves the right to require the Contractor to provide one additional full-time safety representative with qualifications as identified in item (C) above whenever the Contractor and its sub-tier contractors, suppliers, and vendors meets or exceeds 50 workers, or is warranted by the scope of work.

2.4 SITE SAFETY ORIENTATION

The Contractor shall conduct and document a project site safety orientation for all Contractor personnel, sub-tier contractors, suppliers, vendors, and new employees assigned to the project prior to performing any work on Authority projects. The safety orientation at a minimum shall include, as applicable, Personal Protection Equipment (PPE) requirements, eye protection, ANSI class 2 reflective vests, designated smoking, eating, and parking areas, traffic speed limit and routing, cell phone policy, and barricade requirements. When required by scope, additional orientation shall include fall protection, energy isolation/lock-out/tag-out (LOTO), confined space, hot work permit, security requirements, and similar project safety requirements.

2.5 INCIDENT NOTIFICATION AND INVESTIGATION

- A. The Authority shall be promptly notified of any of the following types of incidents:
1. Damage to Authority property (or incidents involving third party property damage);
 2. Reportable and/or Recordable injuries (as defined by the U. S. Occupational Safety and Health Administration);
 3. Incidents impacting the environment, i.e. spills or releases on Authority property.
- B. Notifications shall be made to Authority representatives, employees and/or agents. This includes incidents occurring to contractors, vendors, visitors, or members of the general public that arise from the performance of Authority contract work. An initial written incident investigation report shall be submitted to Authority's Project Manager within 24 hours of the incident.

A final written incident investigative report shall be submitted within seven (7) calendar days, and include the following information. The current status of anyone injured, photos of the incident area, detailed description of what happened, the contributing factors that lead to the incident occurrence, a copy of the company policy or procedure associated with the incident and evaluation of effectiveness, copy of the task planning documentation, and the corrective action initiated to prevent recurrence. This information shall be considered the minimum elements required for a comprehensive incident report acceptable to OCTA.

- C. A serious injury, incident, OSHA Recordable injury / illness, or significant near miss may require a formal incident review at the discretion of the Authority's Project Manager. The incident review shall be conducted within seven (7) calendar days of the incident. The serious incident presentation shall include action taken for the welfare of the injured, a status report of the injured, causation factors leading to the incident, a root cause analysis, and a detailed recovery plan that identifies corrective actions to prevent a similar incident, and actions to enhance safety awareness.
1. Serious injury includes: An injury or illness to one or more employees, occurring in a place of employment or in connection with any employment, which requires inpatient hospitalization for a period in excess of twenty-four hours for other than medical observation, or in which an employee suffers the loss of any member of the body, or suffers any serious degree of physical disfigurement.
 2. Serious Incident includes; Property damage of \$500.00 or more, an incident requiring emergency services (local fire, paramedics and ambulance response), news media or OCTA media relations response, and/or incidents involving other agencies (Cal/OSHA, EPA, AQMD, DTSC, etc.) notification or representation.

3. OSHA Recordable Injury / illness: includes and injury / illness resulting in medical treatment beyond First Aid, an injury / illness which requires restricted duty, or an injury / illness resulting in days away from work.
4. Significant Near Miss Incident: Near misses describe incidents where no property was damaged and no personal injury sustained, but where, given a slight shift in time or position, damage and/or injury easily could have occurred.

2.6 REGULAR INSPECTIONS & THIRD PARTY INSPECTIONS

- A. Frequent and regular inspections of the project jobsite shall be made by contractor safety representative, or another competent person designated by the Contractor. Unsafe acts and/or conditions noted during inspections shall be corrected immediately.
- B. The Contractor is advised that representatives of regulatory agencies (i.e., CAL-OSHA, EPA, SCAQMD, etc.), upon proper identification are entitled to access onto Authority property and projects. The Authority Project Manager shall be notified of their arrival as soon as possible.

2.7 VEHICLE AND ROADWAY SAFETY REQUIREMENTS

- A. The Contractor shall ensure that all Contractor vehicles, including those of its sub-tier contractors, suppliers, vendors and employees are parked in designated parking areas, are identified by company name and/or logo, and comply with traffic routes, and posted traffic signs in areas other than the employee parking lots.
- B. Personal vehicles of the Contractor employees shall not be parked on the traveled way or shoulders including any section closed to public traffic, or areas of the community that may cause interference or complaints
- C. The Contractor shall comply with California Department of Transportation safety requirements and special provisions when working on highway projects.
- D. The Contractor shall conform to American Traffic Safety Services Association (Quality Standard for Work Zone Control Devices 1992).

2.8 LANGUAGE REQUIREMENTS

The Contractor for safety reasons shall ensure employees that do not read, or understand English, shall be within visual and hearing range of a bilingual supervisor or responsible designee at all times when on the Authority property or projects.

2.9 PERSONAL PROTECTIVE EQUIPMENT

Contractors, and all associated sub-tier contractors, vendors and suppliers are required to provide their own personal protective equipment (PPE), including eye,

head, foot, and hand protection, respirators, reflective safety vests, and all other PPE required to perform their work safely on Authority projects.

- A. RESPIRATORS (§5144) - The required documentation for training and respirator use shall be provided to the Authority's Project Manager upon request within 72 hours. All compliance documentation as required by CCR Title 8 Standard, Section 5144, Respiratory Protective Equipment.
- B. EYE PROTECTION – The Authority requires eye protection on construction projects and work areas that meet ANSI Z-87.1 Standards.

2.10 AERIAL DEVICES (§3648)

Aerial devices are defined in CCR Title 8 as any vehicle-mounted or self-propelled device, telescoping extensible or articulating, or both, which is primarily designed to position personnel. If aerial devices are to be used, the required documentation in CCR Title 8 Standard, Section 3648 shall be provided to the Authority's Project Manager, upon request, within 72 hours.

2.11 CONFINED SPACE ENTRY (§5157)

Before any employee will be allowed to enter a confined space, the required documentation as required by CCR Title 8 Standard, Section 5157 shall be provided to the Authority's Project Manager, upon request, within 72 hours.

- A. RECOMMENDED: a copy of the most recent calibration record for each air monitoring unit, 3-gas monitor or "sniffer" to be used by the Entry Supervisor prior to entering permit-required confined spaces.

2.12 CRANES

- A. Crane activity shall comply with Standard 29 CFR 1910.550, CCR Title 8 Standards, manufacture's recommendations and requirements, applicable American Society of Mechanical Engineers (ASME), and American National Standards Institute (ANSI) Standards. In addition, Contractor shall comply with the following requirements: Prior to using mobile cranes, the Contractor shall provide to the Authority Project Manager, items 1, 2 & 3 of the following documentation a minimum of seven (7) days prior to activity, and item 4 on each day of crane activity.
 - 1. Cranes require a submittal of the annual certification, and copy of the cranes most recent quarterly inspection.
 - 2. A copy of each crane operator's qualification (NCCCO or equivalent) of company-authorized crane operators that have been properly trained in the equipment's use and limitations. Operator certification as required by CCR Title 8 Standard, Section 5006.1.

3. A rigging plan is required for all lifts. Critical lifts require an engineered plan designed by a registered professional engineer licensed in the State of California.
4. Documented daily crane inspection report.
- B. Pick and carry with rubber tired cranes is forbidden on Authority projects.
- C. Only one (1) sling eye should be in a hook, for multiple slings a shackle shall be used to prevent separation of slings, and prevent stress on weak points of the hook.

D. Engineered Critical Lifts

A critical lifts is established where any one of the following conditions are created:

1. Where in the crane's current configuration at any point during the lift, a gross load weight exceeds 75% of the capacity of the crane.
2. A gross weight equal to, or greater than 10 tons.
3. Lifts over buildings, equipment, public roadways, structures, or power lines.
4. A single lift where two or more cranes are used, including tandem lifts and tailing cranes.
5. Lifts made in close proximity of power lines, as defined by CCR Title 8 voltage clearance specifications.
6. Lifts involving helicopters, and specialized or unique and complex rigging equipment.
7. Hoisting of suspended work platforms.
8. Static tower crane erection and dismantlement.
9. Making lifts below the ground level where the crane is positioned.

Note: Where the below the ground lift is minimal (evaluated by California registered professional engineer), a critical lift plan may not be required.

E. Critical Lift Plan

Where a critical lift will be performed, a written critical lift plan shall be submitted to the Authority Project Manager prior to commencing with the lift. The written plan shall include the following:

1. Crane manufacturer, capacity, and all specifications for the configuration to be used for the lift.
2. Load chart data for the crane to be used to make the lift. Total calculated weight of the load to be lifted including all rigging and other deductions consistent with the manufacturer's load chart.
3. Engineering data shall be provided on the hook assembly (manufacturer's certification or independent laboratory testing and load testing within the past 60 days), below-the hook rigging, and all specialized below-the-hook lifting devices.
4. Diagrams of the lift that provides geometrical conditions of the load, rigging, and all crane positions during the lift. The drawing shall provide the following:
 - A. Locations of all components to be lifted prior, during and after the lift is completed.
 - B. Radius points.
 - C. Swing patterns.
 - D. In the event that the lift must be aborted, positions where the load may be safely landed.
 - E. Areas where any personnel, public, and vehicles must be evacuated during the lift.
5. Potential ground loading for each point of contact by the crane in selected locations in which the crane will perform the critical lift.
6. Soil and subsurface data and information pertaining to the location on which the crane used for the critical lift will be positioned. This information shall be procured from an authoritative source such as a geotechnical engineer or a professional civil engineer registered in the state of California.

Note: *This information may be available from the Authority for selected locations on some projects.*

7. An engineer shall use the data provided in #5 and #6 above to verify and confirm the following:
 - A. That the soil and subsurface conditions are capable of supporting all loads imposed during the critical lift.

- B. That the designs of cribbing and other supports used under the crane load points are appropriate to safely transfer such loads.
8. Signature and stamp on the plan by a California registered professional engineer, evidencing review of the plan as meeting the requirements that all loads and load information and calculations contained in the plan are approved, acceptable and safe to perform.
 9. Operator qualifications.
 10. Method by which communication will be provided to the crane operator. (Designated signal person, two-way radio, hard wire phone system, etc.).
 11. A critical lift hazard analysis which identifies the particular hazards (including weather, wind, obstructions, etc.) associated with the lift and the means and methods to reduce, mitigate, or eliminate the hazards.
 12. Emergency action plan.
 13. Documentation of lift and pre-job meeting shall be conducted by Contractor's Project Manager.

The written plan shall be submitted 7 days prior to any critical lift for review by the Authority Project Manager and the Authority HSEC department. No critical lifts shall be conducted prior to such review.

F. OVERHEAD CRANES

Before using the Authority overhead cranes, each Contractor shall designate a limited number of employees to attend a training session on the use and limitations of overhead cranes with designated Authority personnel.

2.13 DEMOLITION OPERATIONS (§1734)

Before starting demolition activities the required documentation shall be provided to the Authority's Project Manager, upon request, within 72 hours. Contractor shall provide all compliance documentation, as required, by CCR Title 8 Standard, Article 31.

2.14 EXCAVATION OPERATIONS (§1541)

Before starting excavation activities more than 5 feet deep into which people shall enter, the required documentation shall be provided to the Authority's Project Manager upon request within 72 hours. All compliance documentation shall comply with the following CCR Title 8 Standard, Section 1541 requirements:

- A. A copy of the Contractor's Excavation Permit.
- B. Attention is directed to the applicable sections of the Labor Code concerning trench excavation safety plans, "Trench Safety." Excavation for any trench 5 feet or more in depth shall not begin until the Contractor has received approval from the Engineer of the Contractor's detailed plan for worker protection from the hazards of caving ground during the excavation of that trench and any design calculations used in the preparation of the detailed plan. Excavations 20 feet or greater shall be engineered and plan stamped by a California registered professional engineer.
- C. The detailed plan shall show the details of the design of shoring, bracing, sloping or other provisions to be made for worker protection during the excavation. No plan shall allow the use of shoring, sloping or a protective system less effective than that required by the Construction Safety Orders of the Division of Occupational Safety and Health. If the plan complies with the shoring system standards established by the Construction Safety Orders, the plan shall be submitted at least five (5) days before the Contractor intends to begin excavation for the trench.
- D. Excavations and trenches shall be inspected by a "Competent Person" daily and after every rainfall to determine if they are safe. Daily inspections shall be recorded. Documentation is to be kept on site and available for review upon request.
- E. Excavations are considered class 'C' soil unless documented testing in accordance with 29 CFR 1926.650 and the California Code of Regulations (CCR) Title 8 Standards supports a class 'B' soil classification and is confirmed and stamped by a California registered professional engineer. In no case will excavations be classified as class 'A' soil.

2.15 FALL PROTECTION (§1669-1671)

The following standards are required when performing work on Authority property. The required documentation shall be provided to the Authority's Project Manager, upon request, within 72 hours.

- A. Fall protection is required for workers exposed to falls in excess of six (6) feet.
- B. When conventional fall protections methods are impractical or create a greater hazard, a written plan in conformance with CCR Title 8, Article 24, shall be submitted to the Authority a minimum of seven (7) days in advance of the scheduled activity.

2.16 FORKLIFTS, BACKHOES AND OTHER INDUSTRIAL TRACTORS (§3664)

CCR Title 8 defines backhoes as "industrial tractors". All compliance documentation shall be provided as required by CCR Title, Section 3664, Operating Rules. The following required documentation shall be provided to the Authority's Project Manager, upon request, within 72 hours:

- A. A copy of each operator's certificate or a list, of company-authorized industrial tractor operators that have been properly trained in the equipment's use and limitations. Please state which equipment, and model each operator has been authorized to operate (i.e. forklifts, backhoe, bulldozer, front-end loader, etc.).

2.17 ELECTRICAL OPERATIONS

HIGH VOLTAGE (§2700-2974)

Any work on electrical equipment defined by OSHA as high-voltage, at or above 600 volts requires specialized training certifications and personal protective equipment. Before any high-voltage work commences, the Authority Project Manager must be notified and provide approval. The following required NFPA 70E certification and a certificate of training from a recognized organization of a two day high voltage safety training course shall be provided to the Authority's Project Manager, upon request, within 72 hours:

- A. A list of the name(s) of the company-designated high voltage Qualified Electrical Worker(s)

LOW VOLTAGE (§2299-2599)

Only qualified persons shall work on electrical equipment or systems.

- A. Electrical Certification of Training: Contractor employees working on or around electrical panels, wiring, motors, electrical energy sources or similar electrical devices shall have attended a NFPA 70E, Electrical Safety Course and provide to the OCTA Project Manager a copy of employees' NFPA 70E qualification certificate of training for each employee assigned to electrical tasks on OCTA property or projects.

2.18 POWDER-ACTUATED TOOLS (§1685)

Before using tools such as "Hilti guns" or other powder-actuated tools, the following required documentation shall be provided to the Authority's Project Manager, upon request, within 72 hours.

- A. A copy of each qualified person's valid operator card.

2.19 SCAFFOLDS (§1635.1-1677)

Scaffold erection shall be in compliance with CCR Title 8. All compliance documentation shall be provided as required by CCR Title 8, Sections 1635.1-1677. In addition, the following contractor shall comply with the following additional requirement.

- A. All scaffolds on Authority project shall be inspected by a competent person qualified for scaffolds in accordance with CCR Title 8 Standards.

- B. Contractor shall arrange for a third party inspection, at least quarterly, by a credentialed professional (insurance carrier, scaffold manufacturer representative, or similar) in addition to the contractors daily self inspections.
- C. A proper scaffold inspection and tagging system shall be maintained identifying compliance status (Example: Green/safe, Yellow/modified-fall protection required, Red/unsafe-do not use).
- D. Contractor shall have a fall protection plan that meets CCR Title 8 compliance for scaffold erectors, an erection/dismantling plan shall be submitted to Authority Project Manager for review prior to start of activity.
- E. Scaffold erection/dismantling shall install handrails beginning on the first level above ground erected, and erectors shall plan erection and dismantling in a manner to maximize handrail protection and minimize employees at unprotected areas.

2.20 WARNING SIGNS AND DEVICES

Signs, signals, and/or barricades shall be visible at all times when and where a hazard exists. Overhead tasks, roofing tasks, excavations, roadwork activity, demolition work, and other recognized hazards shall have guardrail protection, warning barricades, or similar protective measures acceptable to the Authority's Project Manager. Signs, signals, and/or barricades shall be removed when the hazard no longer exists.

2.21 STEEL ERECTION

Steel Erection scope activity shall comply with 29 CFR 1926.750, and CCR Title 8 Standards. In addition to OSHA Standards, Contractor shall comply with the following requirements.

- A. Erection planning should incorporate installation methods using aerial devices (man-lifts) and elevated work platforms (scissor lift) to minimize fall hazards of climbing steel where possible. A detailed written job safety analysis (JSA) shall identify installation methods, equipment, and control methods to minimize potential fall hazards.
- B. The Contractor shall not allow any employee to walk the steel unprotected from falls. Contractor employees must be tied-off and "coon" the beam until safety cables are provided to which employees shall use 100% tie-off protection. Two lanyards are required to ensure 100% tie-off protection.
- C. A safe means of access to the level being worked shall be planned. Climbing and sliding down columns are not considered safe access and are forbidden on Authority projects.
- D. A qualified rigger shall inspect the rigging prior to each shift and each lift.

- E. Multiple lift rigging (Christmas Treeing) lifts are forbidden on Authority property and controlled projects.

2.22 AUDITS

- A. The Authority may, make periodic patrols of the Project Site as a part of its normal security and safety program. The Contractor shall not be relieved of its aforesaid responsibilities and the Authority shall not assume same, nor shall it be deemed to have assumed, any responsibility otherwise imposed upon the Contractor, as a result of safety patrols by the Authority.
- B. The Authority may audit the Contractor's safety program for health, safety and environmental compliance at various intervals of the project, at the sole discretion of the Authority. Elements may include, but are not limited to: OSHA injury & illness records and logs, Job Safety Analysis and safety plans, equipment operator licenses and training records, incident reports, meeting minutes, engineered plans, safety meeting records, crane and rigging plans, equipment inspection records, qualifications of and interviews with key Contractor management personnel, and other similar information. The Contractor shall support and cooperate with these audits at no additional compensation or schedule impacts with this contract.

2.23 FINES

The Contractor shall be responsible for the payment of all fines levied against the Authority for safety violations arising from or related to activities over which Contractor has responsibility per the Contract Documents.

2.24 COMPLIANCE COSTS

Compliance with Health, Safety and Environmental Compliance identified in these aforementioned Authority Safety Specifications shall be at the expense of the Contractor, and included in Bid Documents to the Authority for the Contractor's scope. The Authority shall incur no additional cost or schedule impacts by Contractor, for compliance with California Construction Safety Orders, CCR Title 8 Standards, Federal OSHA Standards, and the Authority Safety Specifications for the protection of persons and property.

2.25 REFERENCES

- A. CCR Title 8 Standards (Cal/OSHA)
- B. FCR Including 1910 and 1926 Standards
- C. NFPA, NEC, ANSI, NIOSH Standards
- D. Construction Industry Institute (CII)
- E. OCTA Construction Management Procedures Manual

- F. OCTA Yard Safety Rules
- G. OCTA Emergency Response Guide
- H. OCTA Weekly Safety Briefings

END OF DOCUMENT

SECTION VII: LIST OF DRAWINGS - EXHIBIT C

LIST OF DRAWINGS

By this reference, the following drawings are incorporated in this Invitation For Bids.

Sheet Identification

Number of Sheets

NONE – Section Not Used

Exhibit H

SITE MAP

Demolition Services - Raymond Avenue Grade Separation Project



Exhibit I

DESCRIPTION OF PROPERTY IMPROVEMENTS

Demolition Services - Raymond Avenue Grade Separation Project

#'s 1 & 2

DESCRIPTION OF THE LARGER PARCEL

Ownership: *Glendon J. Brecht and Janine K. Brecht, Trustees under the Glen J. Brecht Trust u/d/t dated January 24, 1986 and D. June Brecht, Trustee under the Dorothy June Brecht Trust u/d/t dated January 7, 1986 and Marshal J. Brecht and Janet L. Brecht, Trustees under the Marshal J. Brecht Trust u/d/t February 5, 1986*

Location: 349, 351 and 371 S. Raymond Avenue and
Fullerton, California 92831

Assessor's Parcel Nos.: 033-192-14

Date of Value: December 6, 2012

Property Rights Appraised: Fee Simple and Easement rights

Site Area: The larger parcel is approximately 142,441 square feet, or 3.27 acres, according to the Assessor's Map.

Zoning: The City of Fullerton has zoned the larger parcel M-G, Manufacturing General with an Industrial General Plan designation. This zone is established to allow compatible industrial uses in proximity to each other while protecting the public health, safety and welfare through development standards and the site plan review process. Numerous light industrial and manufacturing uses are permitted.

Present Use: Industrial use

Highest and Best Use: The physically possible and legally permissible tests indicate an industrial use. The property is currently improved with a modern, functional industrial park that contributes value to the site; the highest and best use as improved is the present use. Market conditions and financing limitations are restricting most new development at this time as most industrial projects aren't feasible; the highest and best use as if vacant is to hold for development.

"Before" Condition:
As if vacant: Hold for development
As improved: Present use as an industrial property

"After" Condition:
As if vacant: Hold for development

As improved: Present use as an industrial property

Improvements:

The property is improved with six one-story concrete tilt-up industrial buildings with approximately 66,480 square feet of gross building area, according to the leases provided by the client. Public records data indicates that the buildings were constructed in 1959. It is estimated that on average, the units are built out with $\pm 5\%$ to $\pm 28\%$ office space. The buildings have built-up composition roofs, 14 foot clear heights, fluorescent light fixtures, at least one restroom per unit, warehouse space with concrete flooring, ground level roll-up doors and skylights. The property has a total of 10 units ranging from 3,200 to 11,220 square feet in size.

Unit 371 has an additional 800 square foot area, which was added sometime after the initial construction of the property. Although building permits were reviewed, many of them are illegible. This 800 square foot space has been included in the overall building square footage of the larger parcel, for valuation purposes.

According to the property manger and tenants, the interior improvements of Units 371, 349-351 and 1135 have been installed by the tenants. They are not included in the appraisal of the real estate, but are included in the separate FF&E appraisal prepared by Hodges, Lacey and Associates.

According to the client, the replacement of the asphalt paving and restriping of the parking spaces in the easement areas will be completed as part of the project. The TCEs are needed for the installation of the storm drain, the construction of a block wall, and the re-grading of the driveways to join the new street elevation of Truslow Avenue. Access to the property will be maintained during construction.

EXECUTIVE SUMMARY



The subject property is located at the southwest corner of South Raymond Avenue and a private street, a vacated portion of East Valencia Drive. More specifically, the situs address is 503 South Raymond Avenue in the City of Fullerton, County of Orange, and State of California. The U.S. Postal Zip Code is 92831.

The subject property consists of a one-sixteenth interest in a site which is irregular in shape and contains a gross area of 144,924± square feet, or 3.33± acres, of land, otherwise identified as Phase 1 of a 3-phase industrial condominium project. The site is comprised of a non-signalized corner location along the western side of South Raymond Avenue, a major arterial, and the southern side of vacated East Valencia Drive, a private street. Ingress and egress to the site is provided by both streets. Overall, accessibility, visibility, and site utility are average-to-good. The overall site is zoned M-G, Manufacturing General, and the General Plan Land Use designation is I, Industrial.

The subject property is improved with a 4,700± square foot, single tenant industrial condominium unit, within a 42 unit industrial condominium complex of Class "C", concrete tilt-up construction and built in 1974. The complex is known as the Fullerton East Business Park. More specifically, it is one of four units within the northeastern most building within the complex. The unit improvements consist of 3,431± square feet of warehouse space, and 1,269± square feet of office space, for an overall office ratio of 27.0± percent of the gross building area. The warehouse has a clear height of 14.5± feet, and contains 1 ground level loading door. The site improvements are of average quality and average overall condition. The subject is adequate in design and layout for industrial use and conforms to other industrial condominium properties in the market.

The City of Fullerton is considering acquiring the subject property for the Raymond Avenue Grade Separation Project. This will be transmitted in greater detail in the sections to follow.

SKETCH/AREA TABLE ADDENDUM

C-3-1615
EXHIBIT I

File No 12-060

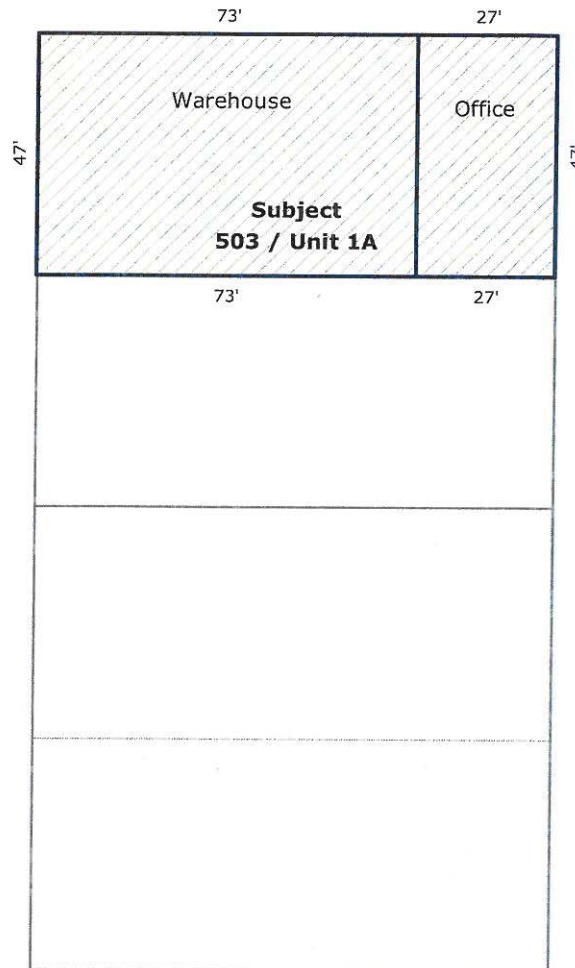
Property Address **503 South Raymond Avenue**City **Fullerton**State **CA**Zip **92831**

Borrower

Lender/Client

Appraiser Name **Riggs & Riggs, Inc.**

East Valencia Drive



Scale: 1 = 36

AREA CALCULATIONS SUMMARY

Code	Description	Net Size	Net Totals
GBA1	Unit 1A, Office	1269.00	
	Unit 1A, Warehouse	3431.00	4700.00
UND	Building1, Units A-D	18200.00	18200.00

BUILDING AREA BREAKDOWN

Breakdown	Subtotals
Unit 1A, Office	
27.00 x 47.00	1269.00
Unit 1A, Warehouse	
73.00 x 47.00	3431.00

Net BUILDING Area (rounded) 4700

2 Items (rounded) 4700

IMPROVEMENT DESCRIPTION

The subject property is the northernmost unit within an industrial building that is part of an overall 3 phase, 42 unit industrial condominium complex known as the Fullerton East Business Park. The subject improvements consist of a one-sixteenth fee simple interest in Phase 1 of the Condominium Plan, and a condominium interest in Unit 1-A. There are 4 separate buildings within Phase 1 of the condominium complex, and there are 4 units in the building which contains the subject condominium unit. According to public record, the subject condominium unit has a gross building area (GBA) of 4,561 square feet. According to an Assessment document obtained from the Fullerton East Business Park Association and the City of Fullerton building permit records, the subject improvement contains a GBA of 4,700± square feet, which matches our on-site measurements. For the purposes of this appraisal, we have utilized a GBA of 4,700± square feet. According to public records, the building was originally constructed in 1974. The improvement is comprised of 3,431± square feet of warehouse area, and 1,269± square feet of office space, for an office ratio of 27.0± percent. **Please refer to Extraordinary Assumption Nos. 21 and 22.**

Building Exterior

The subject property is part of a 4-unit, Class “C”, concrete tilt-up, industrial building. The structure has a concrete slab foundation and a flat composition roof. The warehouse clear height is 14.5± feet, with a ceiling height of 16± feet, and there is 1 ground level loading door in the rear, or western building elevation, along with a pedestrian door. The entrance to the unit is located along the eastern elevation, fronting South Raymond Avenue. There is a concrete decorative covered overhang that provides a main entrance to the subject unit, which is shared with the adjacent unit.

Building Interior

The warehouse area has a concrete floor and painted concrete tilt-up walls. The ceiling is covered by foil insulation, and is reinforced by a glulam beam support system, hanging fluorescent strip lights and 2 skylights. Power consists of 200 amp, 240/120 volt, 3 phase, 4 wire panel.

The office area consists of: a front entryway; four separate finished office areas, one of which has an open window to the entryway; two restrooms, and a utility/storage room. Generally, the office areas is improved with brick flooring, or carpet in need of replacement; walls which are finished with a mix of brick, wood paneling, and/or painted and textured drywall; windows which are covered with blinds; and a suspended T-bar ceiling, with acoustic tiles and recessed fluorescent lighting with glare covers. However, some of the acoustic tiles and glare covers are damaged and/or missing. Both restrooms contain a toilet, wall sink, and a mirror. They are improved with tile flooring, wainscot tile, and the rest of the walls and ceilings are finished with painted and textured drywall and fluorescent strip lights. Additionally, there is a metal sink with a Formica countertop and cabinets in the hallway.

Within the warehouse area, there is an unfinished, 110± square foot office type area, which has concrete flooring, walls and a ceiling which are finished with painted drywall, and strip fluorescent lighting, in addition to 6 windows with a view of the warehouse; an unfinished, 105± square foot storage type room, which has concrete flooring, walls and a ceiling which are finished with painted drywall, strip fluorescent lighting, and wood storage racking; and an unfinished, 325± square foot storage room, which has concrete flooring, brick walls, and a painted plywood ceiling with strip lighting, in addition to a storage mezzanine area which is located on top of the structure and has a metal stairway and railing. There is also an unfinished, 20± square foot mezzanine area, above the doorway from the offices to the warehouse, which has a wood stairway.

#4

EXECUTIVE SUMMARY



The subject property is located at the southeast corner of South Raymond Avenue and a private street, a vacated portion of East Valencia Drive. More specifically, the situs address is 505 South Raymond Avenue in the City of Fullerton, County of Orange, and State of California. The U.S. Postal Zip Code is 92831.

The subject property consists of a one-sixteenth interest in a site which is irregular in shape and contains a gross area of 144,924± square feet, or 3.33± acres, of land, otherwise identified as Phase 1 of a 3-phase industrial condominium project. The site is comprised of a non-signalized corner location along the western side of South Raymond Avenue, a major arterial, and the southern side of vacated East Valencia Drive, a private street. Ingress and egress to the site is provided by both streets. Overall, accessibility, visibility, and site utility are average-to-good. The overall site is zoned M-G, Manufacturing General, and the General Plan Land Use designation is I, Industrial.

The subject property is improved with a 4,700± square foot, single tenant industrial condominium unit, within a 42 unit industrial condominium complex of Class "C", concrete tilt-up construction and built in 1974. The complex is known as the Fullerton East Business Park. More specifically, it is one of four units within the northeastern most building within the complex. The unit improvements consist of 2,902± square feet of warehouse space, 200± square feet of mezzanine office, and 1,598± square feet of first floor office space, for an overall office ratio of 38.2± percent of the gross building area. The warehouse has a clear height of 14.5± feet, and contains 1 ground level loading door. The site improvements are of average quality and average overall condition. The subject is adequate in design and layout for industrial use and conforms to other industrial condominium properties in the market.

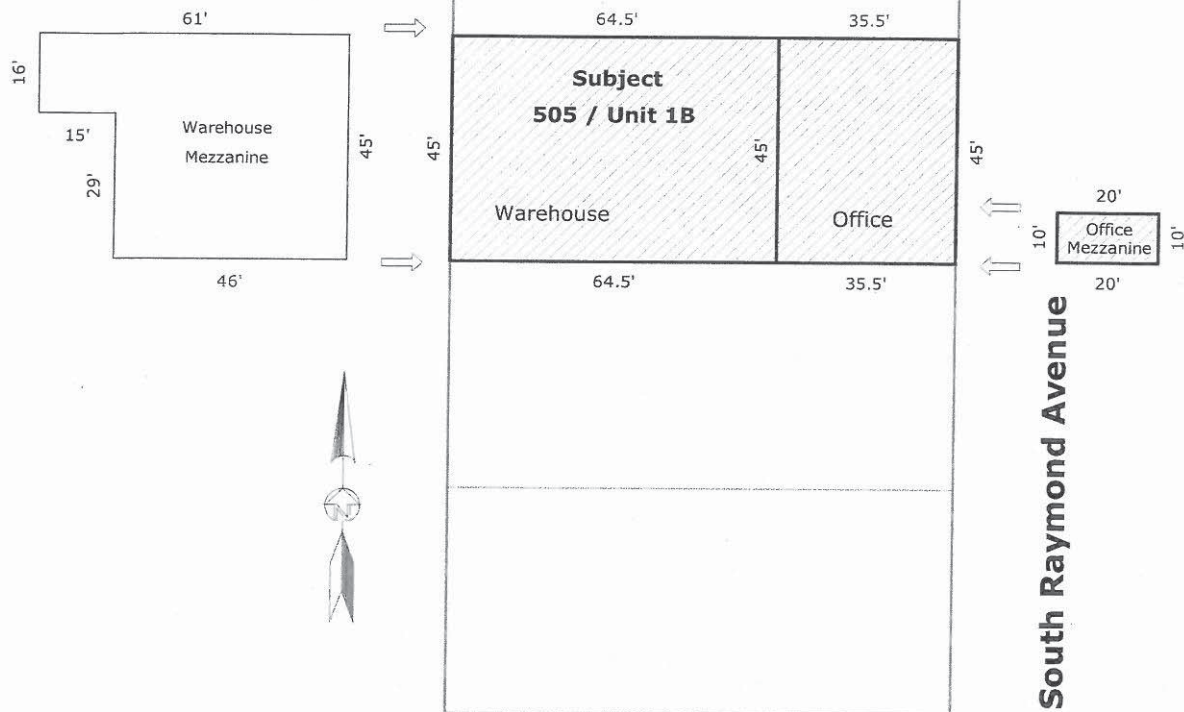
The City of Fullerton is considering acquiring the subject property for the Raymond Avenue Grade Separation Project. This will be transmitted in greater detail in the sections to follow.

SKETCH/AREA TABLE ADDENDUM

File No 12-061

Property Address	505 South Raymond Avenue		
City	Fullerton	State	CA
Borrower			
Lender/Client			
Appraiser Name	Riggs & Riggs, Inc.		

East Valencia Drive



Scale: 1 = 37

AREA CALCULATIONS SUMMARY

Code	Description	Net Size	Net Totals
GBA1	Unit 1B, Office Mezz	200.00	
	Unit 1B, Office	1597.50	1797.50
GBA2	Unit 1B, Warehouse	2902.50	2902.50
OTH	Warehouse Mezzanine	2310.00	2310.00
UND	Building1, Units A-D	18200.00	18200.00

BUILDING AREA BREAKDOWN

Breakdown	Subtotals
Unit 1B, Office Mezz	
20.00 x 10.00	200.00
Unit 1B, Office	
45.00 x 35.50	1597.50
Unit 1B, Warehouse	
45.00 x 64.50	2902.50

Net BUILDING Area

(rounded)

4700

3 Items

(rounded)

4700

IMPROVEMENT DESCRIPTION

The subject property is the second from the northernmost unit within an industrial building located at the northeastern corner of an overall 3 phase, 42 unit industrial condominium complex known as the Fullerton East Business Park. The subject improvements consist of a one-sixteenth fee simple interest in Phase 1 of the Condominium Plan, and a condominium interest in Unit 1-B. There are 4 separate buildings within Phase 1 of the condominium complex, and there are 4 units in the building which contains the subject condominium unit. According to public record, the subject condominium unit has a gross building area (GBA) of 4,462 square feet. According to an Assessment document obtained from the Fullerton East Business Park Association, the subject improvement contains a GBA of 4,500± square feet, which matches our on-site measurements for the first floor, but excludes a legally permitted 200 square foot addition. Thus, for the purposes of this appraisal, we have utilized a GBA of 4,700± square feet. According to public records, the building was originally constructed in 1974. The 200 square foot mezzanine office addition was constructed in August, 1997. The improvement is comprised of 2,902± square feet of warehouse area, and 1,798± square feet of office space, for an office ratio of 38.2± percent. This area excludes a partially finished mezzanine area in the warehouse and a 2,310 square foot warehouse area converted to office use, which are unpermitted, and have not been considered in the valuation of the subject property. **Please refer to Extraordinary Assumption Nos. 21 and 22.**

Building Exterior

The subject property is part of a 4-unit, Class “C”, concrete tilt-up, industrial building. The structure has a concrete slab foundation and a flat composition roof. The warehouse clear height is 14.5± feet, with a ceiling height of 16± feet, and there is 1 ground level loading door in the rear, or western building elevation, along with a pedestrian door. The entrance to the unit is located along the eastern elevation, fronting South Raymond Avenue. There is a concrete decorative covered overhang that provides a main entrance to the subject unit, which is shared with the adjacent unit.

Building Interior

The warehouse area has a concrete floor which is partially improved with tile flooring, and the concrete tilt-up walls are painted. The ceiling is covered by foil insulation, and is reinforced by a glulam beam support system, hanging fluorescent strip lights, an exhaust/ventilation system, and 2 skylights. A portion of the warehouse area has been converted to office area and an unfinished mezzanine area which totals 2,310± square feet, and are unpermitted conversions according to the City building records. The electrical panel was blocked by boxes and inaccessible.

The office area consists of a small entryway which leads to a large open entryway with a 200± square foot mezzanine area; 4 private offices; a large open office/work type area; a warehouse office; and 2 restrooms. The 200± square foot mezzanine office area, which was legally permitted, was added in August 1997. The mezzanine office area has painted walls, carpet, and metal railing atop a painted drywall pony wall around the perimeter. The first floor office areas have carpet flooring; walls which are finished with textured and painted drywall; windows which are covered with blinds; the ceiling is improved with a suspended T-bar ceiling with acoustic tiles, in addition to recessed fluorescent lighting with glare covers; and a HVAC system. However, the entryway has a painted finished ceiling, and the large open office/work type area has concrete flooring. Both restrooms consist of a toilet, pedestal sink, mirror, tile flooring, and appear to be ADA compliant. Additionally, there is a metal sink with a Formica countertop and cabinets in the hallway.

Site Improvements

There are no site improvements specific to the subject property. Site improvements in the overall condominium complex common areas consist of an asphalt paved parking lot and medium quality landscaping, with low maintenance bushes, shrubs, and trees in numerous planter areas.

Handicap Accessibility

State Law and the Americans Disabilities Act ("ADA") require all cities to comply with Handicap Access Codes. Riggs & Riggs, Inc., is not qualified to render an opinion as to whether or not the subject meets all applicable State Laws. Any non-compliance with the ADA may affect the value of the property. All value opinions are predicated on the assumption that the subject meets all handicap codes. **Please refer to Extraordinary Assumption No. 23.**

Parking

City parking requirements vary depending upon use: a self storage facility requires 6 "visitor" parking spaces; administrative/business offices, retail or service facilities require 1 space per 250 gross square feet; and warehousing, wholesaling, and storage facilities require 1 space per 2,000 gross square feet. For the subject unit, 9 spaces would be required. At the time of inspection, the subject property was striped with 6 designated parking spaces, 4 in front and 2 in the rear of the building. The parking ratio is therefore 1.28 spaces per 1,000 square feet of GFA. The subject appears to be legal but non-conforming compared to the number of parking spaces required under the Municipal Code, compared to the large percentage of office area in the unit.

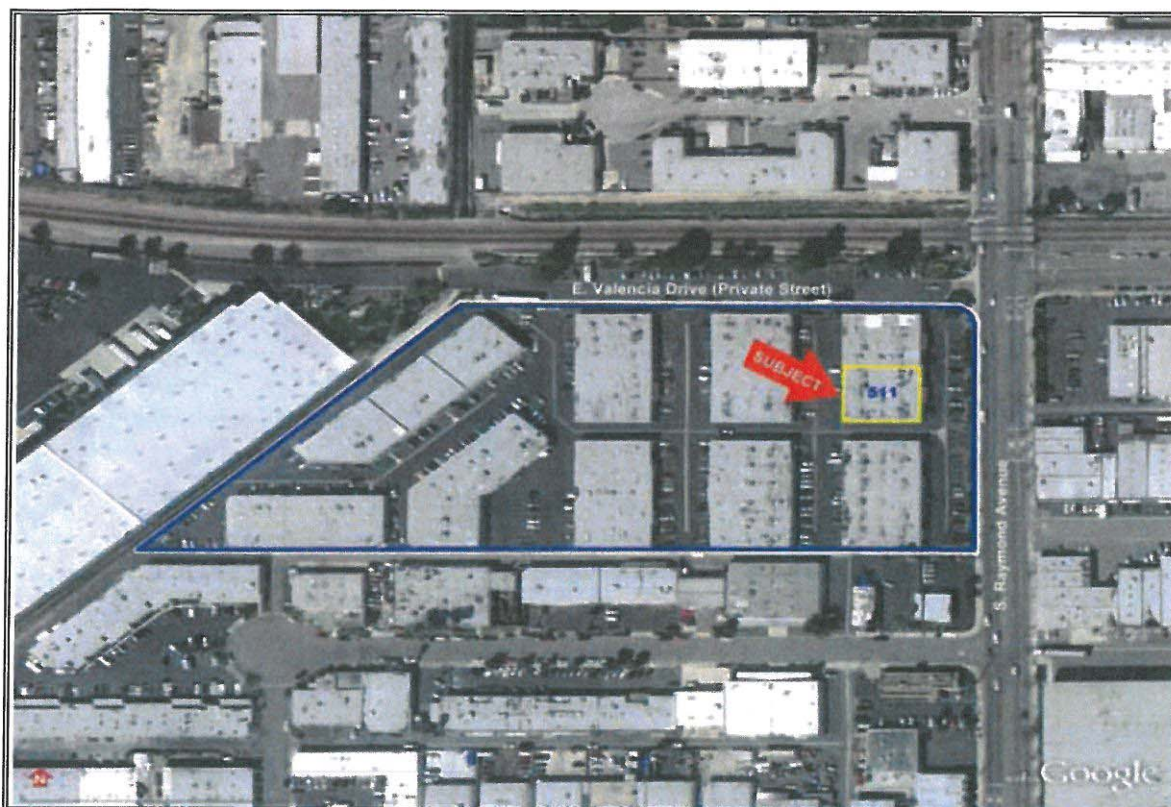
Age and Condition

According to public record, the subject improvements were constructed in 1974, with an actual age of 38 years. The mezzanine was added in August 1997. Building maintenance appears to have been average over the years. The improvements are considered to be in average condition overall, with an effective age of 30 years. Total economic life of the improvements is estimated at 60 years. Therefore, the remaining economic life of the improvements is estimated at 30 years.

Functional Utility

The subject improvements are of average quality and appeal, and average condition. They are considered generally functional in layout and design, and generally conform to surrounding uses in the market for an industrial condominium unit. The improvements appear to legally conform to all zoning requirements, except parking. Market demand for industrial condominiums is considered moderate. The site, with which the subject property is situated, has average-to-good visibility and average-to-good accessibility, with features that are considered functional to the market. No functional or external obsolescence was observed during our inspection or our survey of the market. Overall, the functional utility of the subject is considered to be average to the market.

EXECUTIVE SUMMARY



The subject property is located at the southeast corner of South Raymond Avenue and a private street, a vacated portion of East Valencia Drive. More specifically, the situs address is 511 South Raymond Avenue in the City of Fullerton, County of Orange, and State of California. The U.S. Postal Zip Code is 92831.

The subject property consists of two, one-sixteenth interests in a site which is irregular in shape and contains a gross area of 144,924± square feet, or 3.33± acres, of land, otherwise identified as Phase 1 of a 3-phase industrial condominium project. The site is comprised of a non-signalized corner location along the western side of South Raymond Avenue, a major arterial, and the southern side of vacated East Valencia Drive, a private street. Ingress and egress to the site is provided by both streets. Overall, accessibility, visibility, and site utility are average-to-good. The overall site is zoned M-G, Manufacturing General, and the General Plan Land Use designation is I, Industrial.

The subject property is improved with 2 single tenant industrial condominium units which total 9,000± square feet, within a 42 unit industrial condominium complex, consisting of Class "C", concrete tilt-up construction and built in 1974. The complex is known as the Fullerton East Business Park. More specifically, it is two of four units within the northeastern most building within the complex. The improvements within the units consist of 5,985± square feet of warehouse space, which is used in the owner's meat packing business, and 3,015± square feet of office space, which is used in the owner's meat packing business and restaurant business. The overall office ratio is 33.5± percent of the gross building area. The warehouse has a clear height of 14.5± feet, and contains 2 ground level loading doors. The site improvements are of average quality and average-to-good overall condition. The subject is unique for industrial use as it serves both of the owner's businesses, but generally conforms to other industrial condominium properties in the market.

The City of Fullerton is considering acquiring the subject property for the Raymond Avenue Grade Separation Project. This will be transmitted in greater detail in the sections to follow.

SKETCH/AREA TABLE ADDENDUM

File No 12-062

SUBJECT

Property Address 511 South Raymond Avenue

City Fullerton

State CA

Zip 92831

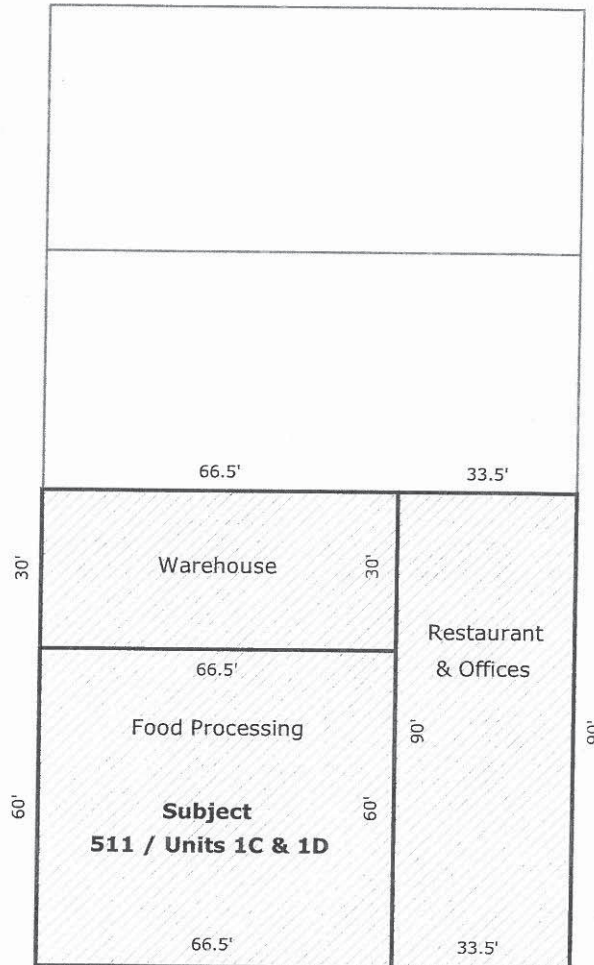
Borrower

Lender/Client

Appraiser Name Riggs & Riggs, Inc.

East Valencia Drive

South Raymond Avenue



Scale: 1 = 35

AREA CALCULATIONS

AREA CALCULATIONS SUMMARY

Code	Description	Net Size	Net Totals
GBA1	Office/Restaurant	3015.00	
	Warehouse	1995.00	
	Food Processing	3990.00	9000.00
UND	Building1, Units A-D	18200.00	18200.00

BUILDING AREA BREAKDOWN

Breakdown	Subtotals
Office/Restaurant 33.50 x 90.00	3015.00
Warehouse 66.50 x 30.00	1995.00
Food Processing 60.00 x 66.50	3990.00

Net BUILDING Area

(rounded)

9000

3 Items

(rounded)

9000

IMPROVEMENT DESCRIPTION

The subject property is the two southernmost units within an industrial building located at the northeastern corner of an overall 3 phase, 42 unit industrial condominium complex known as the Fullerton East Business Park. The subject improvements consist of two, one-sixteenth fee simple interests in Phase 1 of the Condominium Plan, and a condominium interest in Units 1-C and 1-D. There are 4 separate buildings within Phase 1 of the condominium complex, and there are 4 units in the building which contains the two subject condominium units. According to public record, the subject condominium units have a total gross building area (GBA) of 8,925 square feet. According to an Assessment document obtained from the Fullerton East Business Park Association, and the City of Fullerton building permit records, the subject improvement contains a total GBA of 9,000± square feet, which matches our on-site measurements. For the purposes of this appraisal, we have utilized a total GBA of 9,000± square feet. According to public records, the building was originally constructed in 1974, and converted to a meat processing plant and restaurant/deli in 2004. The improvement is comprised of 5,985± square feet of warehouse area, and 3,015± square feet of office space, for an office ratio of 33.5± percent. **Please refer to Extraordinary Assumption Nos. 21 and 23.**

Building Exterior

The subject property consists of two units within a 4-unit, Class “C”, concrete tilt-up, industrial building. The structure has a concrete slab foundation and a flat composition roof. The warehouse clear height is 14.5± feet, with a ceiling height of 16± feet, and there are 2 ground level loading doors in the rear, or western building elevation, along with a pedestrian door. However, one of the ground level doors is inoperable due to alterations to the interior building layout which makes the room too shallow, prohibiting the door from being useful. The entrance to the units is located along the eastern elevation, fronting South Raymond Avenue. There is a concrete decorative covered overhang that provides a main entrance to the subject units.

Building Interior

The warehouse area has a concrete floor, and the concrete tilt-up walls are painted. The ceiling is covered by foil insulation, is reinforced by a glulam beam support system, and has hanging fluorescent strip lights, 2 skylights, and a space heater. Power consists of a 600 amp, 240/120 volt, 3 phase, 4 wire main panel; a 250 amp, 480/277 volt, 3 phase, 4 wire subpanel; and other subpanels with various power capacities. There is also an unfinished shipping office room which is located near the ground level door within the meat processing portion of the warehouse. There are considerable items that are regarded as fixtures and equipment. Some of these items include interior walls improved with temperature controls and/or foam insulation; several large open cooler and freezer rooms for meat storage, processing, and packaging purposes; separate small washroom, and several large generators on the roof for the cooler and freezer rooms. The cooler/freezer rooms are further improved with large metal sliding doors which open to the warehouse portion of the facility. There is also a separate small cooler which is located with the warehouse area. The valuation of these fixtures and equipment, including the restaurant improvements have not been considered in this appraisal and will be valued separately by an FF&E appraiser. **Please refer to Extraordinary Assumption No. 23.**

The eastern portion of the property is the restaurant and the office area. It consists of: a restaurant which is known as La Fonda Mexican Grill; a common office area with 3 adjoining private offices; a long hallway with 2 adjoining restrooms; a private office dedicated for on-site use by USDA officials; and 2 private employee locker rooms. Generally, the office areas have carpet or ceramic tile flooring; walls which are finished with textured and painted drywall; windows which are covered with blinds; the ceiling is improved

with a suspended T-bar ceiling with acoustic tiles, in addition to recessed fluorescent lighting with glare covers; and a HVAC system. However, some of the acoustic tiles have minor stains from possible water damage. There is also a Formica countertop, with cabinets above and below, which is located in the common office area. Restrooms consist of a toilet, wall sink, mirror, tile flooring, recessed lighting, and they appear to be ADA compliant. A third restroom for restaurant patrons was also installed adjacent to the restaurant seating area. The third restroom along with the coolers, kitchen related equipment and fixtures, and flooring have not been considered in this appraisal, but have been appraised separately in the fixtures and equipment appraisal.

Site Improvements

There are no site improvements specific to the subject property. Site improvements in the overall condominium complex common areas consist of an asphalt paved parking lot and medium quality landscaping, with low maintenance bushes, shrubs, and trees in numerous planter areas.

Handicap Accessibility

State Law and the Americans Disabilities Act ("ADA") require all cities to comply with Handicap Access Codes. Riggs & Riggs, Inc., is not qualified to render an opinion as to whether or not the subject meets all applicable State Laws. Any non-compliance with the ADA may affect the value of the property. All value opinions are predicated on the assumption that the subject meets all handicap codes. **Please refer to Extraordinary Assumption No. 24.**

Parking

City parking requirements vary depending upon use: a self storage facility requires 6 "visitor" parking spaces; administrative/business offices, retail or service facilities require 1 space per 250 gross square feet; and warehousing, wholesaling, and storage facilities require 1 space per 2,000 gross square feet. For the subject unit, 15 spaces would be required. At the time of inspection, the subject property was striped with 14 designated parking spaces, which includes 1 ADA space. There are 4 marked parking spaces in the front and 2 at the rear of the building which are assigned to unit 511, and 5 front and 3 rear spaces for unit 513. The parking ratio is therefore 1.56 spaces per 1,000 square feet of GFA. The subject appears to be legal but non-conforming to the number of parking spaces, due to one deficient space, required under the Municipal Code.

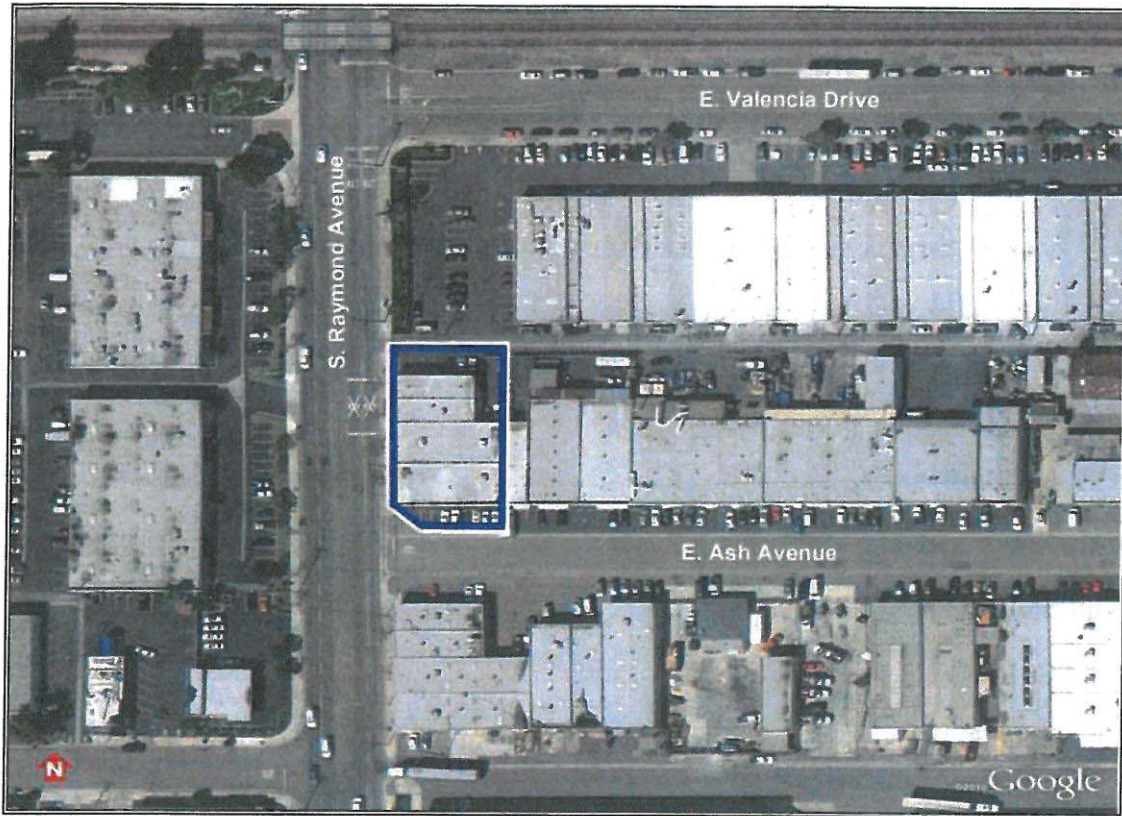
Age and Condition

According to public record, the subject improvements were constructed in 1974, and remodeled in 2004 to the current use, with an actual age of 38 years. Building maintenance appears to have been average over the years. The improvements are considered to be in average-to-good condition overall, with an effective age of 30 years. Total economic life of the improvements is estimated at 60 years. Therefore, the remaining economic life of the improvements is estimated at 30 years.

Functional Utility

The subject improvements are of average quality and appeal, and average-to-good condition. They are considered generally functional in layout and design, and generally conform to surrounding uses in the market for an industrial condominium unit. The improvements appear to legally conform to all zoning requirements, except for one deficient required parking space. Market demand for industrial condominiums is considered moderate. The site, with which the subject property is situated, has average-to-good visibility and average-to-good accessibility, with features that are considered functional to the market. No functional or external obsolescence was observed during our inspection or our survey of the market. Overall, the functional utility of the subject is considered to be average to the market.

EXECUTIVE SUMMARY



The subject property is located at northeast corner of South Raymond Avenue and East Ash Avenue. More specifically, the situs address is 522-532 South Raymond Avenue, City of Fullerton, County of Orange, and State of California. The U.S. Postal Zip Code is 92831.

The subject property is generally rectangular in shape and contains a gross site area of 15,842 square feet, or 0.36 acres of land, or a net site area of 14,292 square feet, or 0.33 acres of land, which is the difference between a 10 foot wide easement for street purposes along the western portion of the subject site. The site is a corner location along a major arterial and secondary street, with average-to-good visibility and accessibility. The site is zoned MP-200, Manufacturing Park, and the General Plan Land Use designation is Industrial.

The subject is improved with a Class "C", concrete block, four-tenant industrial building, with a gross building area of 9,573± square feet. The building was constructed in 1955 and has a clear height of 10± feet. According to measurements taken at the time of our site inspection, the building has a total of 3,135± square feet of office space and 6,438± square feet of warehouse space. The overall building coverage ratio is 67.0± percent, and 32.7± percent of the gross building area consists of office space. The improvements are of fair-to-average quality and condition. Each unit has a grade level loading door. The subject is considered legally nonconforming to current zoning standards due to insufficient setbacks along South Raymond Avenue, lot size, floor area ratio, and parking. The improvements are considered functional in layout and design, and conform to surrounding industrial uses in the market.

A full fee acquisition by the City of Fullerton is being considered for this property. This will be transmitted in greater detail in the sections to follow.

SKETCH/AREA TABLE ADDENDUM

File No 12-067

Property Address 522-532 South Raymond Avenue

City Fullerton

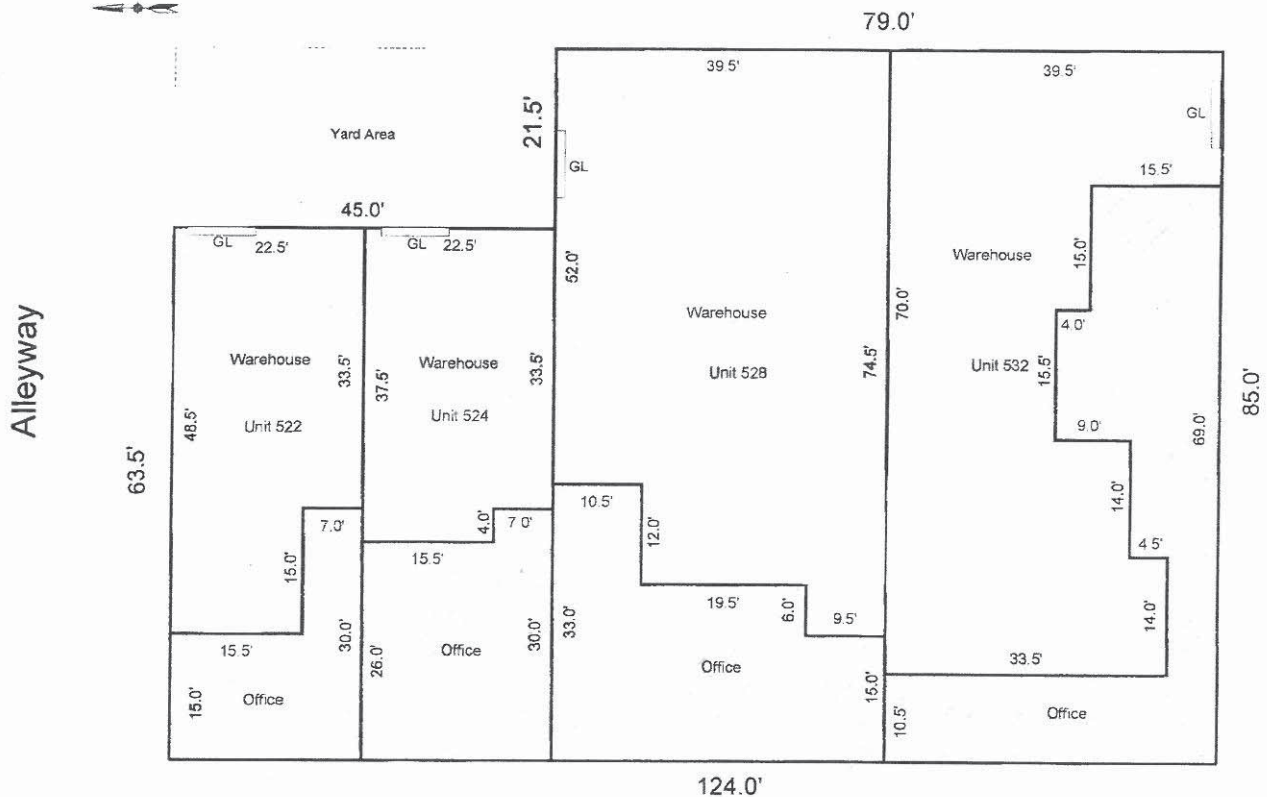
State CA

Zip 92831

Borrower

Lender/Client HDR Engineering, Inc.

Appraiser Name Riggs & Riggs, Inc.



South Raymond Avenue

Scale: 1 = 22

AREA CALCULATIONS SUMMARY			
Code	Description	Size	Net Totals
GBA1	Unit 522 Office	442.50	
	Unit 522 Warehouse	986.25	1428.75
GBA2	Unit 524 Office	613.00	
	Unit 524 Warehouse	815.75	1428.75
GBA3	Unit 528 Office	898.50	
	Unit 528 Warehouse	2459.00	3357.50
GBA4	Unit 532 Office	1180.50	
	Unit 532 Warehouse	2177.00	3357.50
TOTAL BUILDING (rounded)			9573

BUILDING AREA BREAKDOWN		
Breakdown	Subtotals	
Unit 522 Office		
7.0 x 30.0		210.00
15.0 x 15.5		232.50
Unit 522 Warehouse		
15.5 x 48.5		751.75
7.0 x 33.5		234.50
Unit 524 Office		
22.5 x 26.0		585.00
4.0 x 7.0		28.00
Unit 524 Warehouse		
22.5 x 33.5		753.75
4.0 x 15.5		62.00
Unit 528 Office		
21.0 x 30.0		630.00
15 unlisted calculations		6085.00
24 Calculations Total (rounded)		9573

IMPROVEMENT DESCRIPTION

The following description of the improvements is based on our physical inspection of the subject property on December 14, 2011 and a review of building permit records maintained by the City of Fullerton Planning Department. The subject property is improved with a four-tenant industrial building containing a gross building area (GBA) of 9,573± square feet with 4 grade level doors. The original building permits indicate that the subject improvements were constructed in 1955. It comprises of 4 units with a total of 32.7± percent of office space and approximately 67.3± percent of warehouse/flex area. The net site area is 14,292 square feet, or 0.33 acres. The overall building coverage ratio is 67.0± percent, or a Floor Area Ratio (FAR) of 0.67 to 1 square foot.

Building Exterior

The subject is improved with a Class “C”, concrete block, multi-tenant industrial building, configured in four units. The structure has a concrete slab foundation, flat composition roof, exterior wall mounted floodlights, drainage downspouts, and attached building sign (**Please refer to Extraordinary Assumption No. 24.**) Each unit is separated with concrete block walls, glass entry door with glass window system, each covered with a blue awning along the western elevation, and one graded level metal roll-up door or sliding door.

Interior Area

General characteristic common to all units within the warehouse area are: wood beams and truss system, aluminum foil insulation, clear height of 10 to 11 feet, a 8' (w) by 9' (h) grade level door, concrete flooring in the warehouse/shop area, except Unit 524 which has commercial carpeting in the warehouse and Unit 532 has T-bar acoustic ceilings within the warehouse/shop area computed in the F, F & E Appraisal. (**Please refer to Extraordinary Assumption No. 24.**) The office areas generally consists of either painted ceiling and/or T-Bar acoustical ceiling panels with florescent light fixtures, painted walls, commercial carpet flooring, and metal mini-blind window covering. Unit 524 has Pergo flooring in the office area. Each unit has two bathrooms with a toilet, sink, fan, tile flooring, and painted walls and ceilings. Unit 532 has a fiberglass shower in one of the bathrooms. Each unit has a HVAC system, except unit 522. Some of the T-bar acoustic panels were damaged or missing in the office areas and tile flooring in some of the bathrooms were taken out. Each unit is separately metered and contains a power capacity of a 200 amp, 120-140 volt, 3 phase wire system. However, Unit 528 has electrical capacity of 480 volt. The individual unit areas are provided on the following chart:

SUBJECT UNIT AREAS			
Unit No.	Office Area	Warehouse/Shop Area	Rentable Area SF (Per Inspection)
522	442.50 SF	986.25 SF	1,428.75 SF
524	613.00 SF	815.75 SF	1,428.75 SF
528	898.50 SF	2,459.00 SF	3,357.50 SF
532	1,180.50 SF	2,177.00 SF	3,357.50 SF
Total	3,134.50 SF	6,438.00 SF	9,572.50 SF
Total Rentable Area (Rounded):			9,573 SF

Site Improvements

The site improvements consist of asphalt paved parking area along the north and south elevation and open storage yard area located in the rear of the property, in average condition. The storage yard area is 968± square feet and only 3 of the four units have ground level loading doors leading to the storage yard area. There is chain link fencing and swinging gate which encompasses the open storage yard with 3 strands of barbed wire, razor wire, and vinyl slats.

Handicap Accessibility

State Law and the Americans Disabilities Act ("ADA") require all cities to comply with Handicap Access Codes. Riggs & Riggs, Inc., is not qualified to render an opinion as to whether or not the subject meets all applicable State Laws. Any non-compliance with the ADA may affect the value of the property. All value opinions are predicated on the assumption that the subject meets all handicap codes. **Please refer to Extraordinary Assumption No. 25.**

Parking

City parking requirements vary depending upon use. According to Andrew Kusch, Assistant Planner from the City of Fullerton, body shops and printing shops fall under a general manufacturing activity and require 1 parking space per 800 square feet of warehouse area and 1 space per 250 square feet for the office area. Based upon the gross building area of the subject, required parking is 21 spaces or 2.19 spaces per 1,000 square feet of gross building area. At the time of inspection, the subject property was striped with 14 parking spaces; 7 striped spaces along the north elevation and 7 spaces along the south elevation. The parking ratio of actual on-site parking is therefore 1.46± spaces per 1,000 square feet of GBA. Thus, with 14 striped parking spaces, the subject is legal nonconforming to current parking requirements.

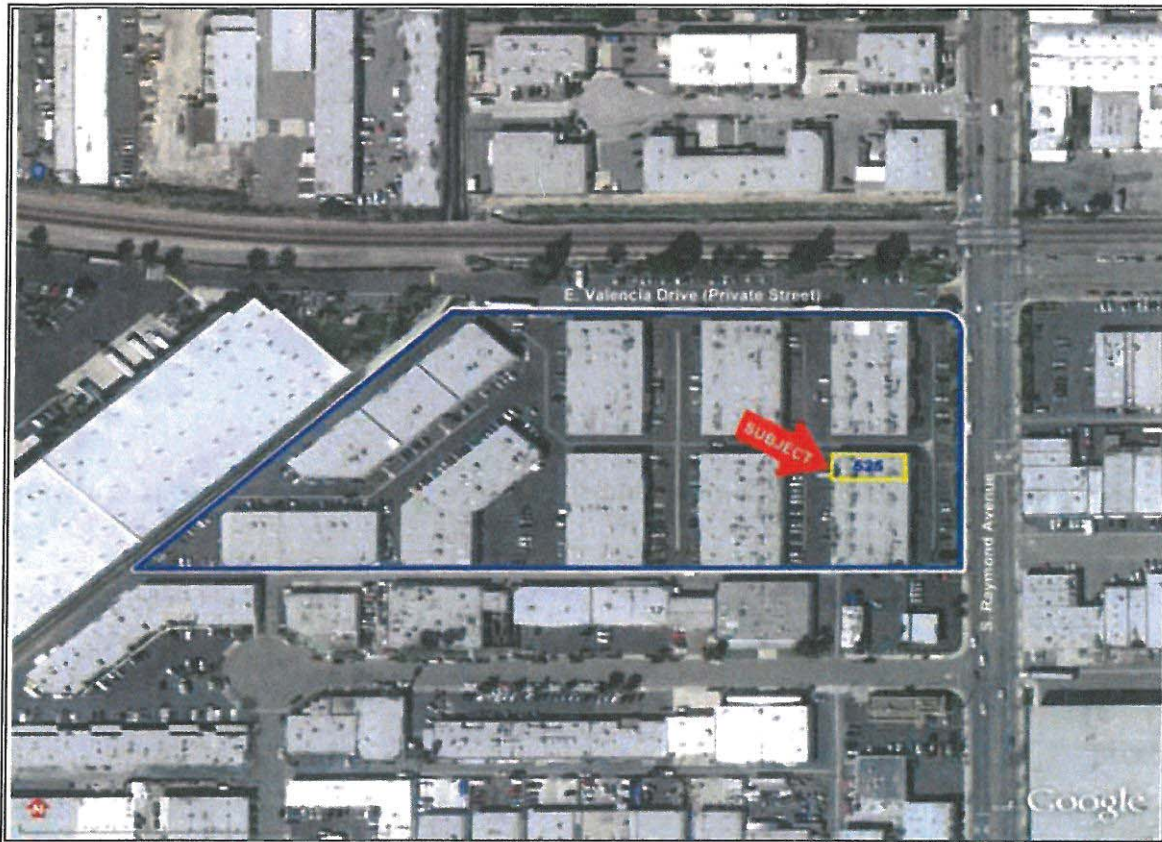
Age and Condition

According to public record and building permits, the subject improvements were constructed in 1955. The actual age is 57 years. Building maintenance appears to have been average over the years, with recent electrical work, insulation, and painting, according to the owner. The improvements are in fair-to-average condition overall, with an effective age of 40 years. Total economic life of the improvements is estimated at 60 years; therefore, the remaining economic life of the improvements is estimated at 20 years.

Functional Utility

The subject improvements are of fair-to-average quality and condition. The improvements are considered generally functional in layout and design, and conform to surrounding industrial uses in the market. The improvements are legally conforming to zoning, except for setback requirements along South Raymond Avenue, lot size, floor/area ratio, and parking. The design and layout of the improvements are considered adequate for the market. The subject property has average-to-good accessibility and visibility. No functional obsolescence was observed during our inspection or our survey of the market. Overall, the functional utility of the subject is considered average to the market.

EXECUTIVE SUMMARY



The subject property is located at the southeast corner of South Raymond Avenue and a private street, a vacated portion of East Valencia Drive. More specifically, the situs address is 525 South Raymond Avenue in the City of Fullerton, County of Orange, and State of California. The U.S. Postal Zip Code is 92831.

The subject property consists of a one-sixteenth interest in a site which is irregular in shape and contains a gross area of 144,924± square feet, or 3.33± acres, of land, otherwise identified as Phase 1 of a 3-phase industrial condominium project. The site is comprised of a non-signalized corner location along the western side of South Raymond Avenue, a major arterial, and the southern side of vacated East Valencia Drive, a private street. Ingress and egress to the site is provided by both streets. Overall, accessibility, visibility, and site utility are average-to-good. The overall site is zoned M-G, Manufacturing General, and the General Plan Land Use designation is I, Industrial.

The subject property is improved with a 4,654± square foot, single tenant industrial condominium unit, within a 42 unit industrial condominium complex of Class “C”, concrete tilt-up construction and built in 1974. The complex is known as the Fullerton East Business Park. More specifically, it is one of four units within the southeastern most building within the complex. The unit improvements consist of 3,362± square feet of warehouse space, and 1,292± square feet of office space, for an overall office ratio of 27.8± percent of the gross building area. The warehouse has a clear height of 14.5± feet, and contains 1 ground level loading door. The site improvements are of average quality and average overall condition. The subject is adequate in design and layout for industrial use and conforms to other industrial condominium properties in the market.

The City of Fullerton is considering acquiring the subject property for the Raymond Avenue Grade Separation Project. This will be transmitted in greater detail in the sections to follow.

IMPROVEMENT DESCRIPTION

The subject property is the northernmost unit within an industrial building located at the southeastern corner of an overall 3 phase, 42 unit industrial condominium complex known as the Fullerton East Business Park. The subject improvements consist of a one-sixteenth fee simple interest in Phase 1 of the Condominium Plan, and a condominium interest in Unit 2-A. There are 4 separate buildings within Phase 1 of the condominium complex, and there are 4 units in the building which contains the subject condominium unit. According to public record, the subject condominium unit has a gross building area (GBA) of 4,562 square feet. According to an Assessment document obtained from the Fullerton East Business Park Association, the subject improvement contains a GBA of 4,700 square feet. On-site measurements reflected a GBA of 4,654± square feet, which accounts for a 46± square foot cutout area utilized as a non-enclosed exterior entrance. For the purposes of this appraisal, we have utilized a GBA of 4,654± square feet. According to public records, the building was originally constructed in 1974. The improvement is comprised of 3,362± square feet of warehouse area, and 1,292± square feet of office space, for an office ratio of 27.8± percent. **Please refer to Extraordinary Assumption Nos. 21 and 22.**

Building Exterior

The subject property is part of a 4-unit, Class "C", concrete tilt-up, industrial building. The structure has a concrete slab foundation and a flat composition roof. The warehouse clear height is 14.5± feet, with a ceiling height of 16± feet, and there is 1 ground level loading door in the rear, or western building elevation, along with a pedestrian door. The entrance to the unit is located along the eastern elevation, fronting South Raymond Avenue. In the overall building there are two cutout areas along the eastern building wall which are utilized as the main entrance to the 4 separate units, with two units sharing a common entrance area.

Building Interior

The warehouse area has a concrete floor which is partially improved with tile flooring, and the concrete tilt-up walls are painted. The ceiling is covered by foil insulation, and is reinforced by a glulam beam support system, hanging fluorescent strip lights, an old exhaust/ventilation system, and 2 skylights. There are also several types of storage racking systems of varying height within the warehouse. Power consists of 200 amp, 120/208 volt, 3 phase, 4 wire panel.

The office area consists of 3 separate finished office areas, one of which is an open showroom type office, a private office, general office, and two restrooms. The offices have carpet flooring throughout; walls which are finished with painted drywall; windows which are covered with blinds; the ceiling is improved with a suspended T-bar ceiling with acoustic tiles, in addition to recessed fluorescent lighting with glare covers; and a HVAC system. Both restrooms contain a toilet and wall sink. They are improved with wainscot tile flooring; a portion of the walls have wainscot paneling, and the rest of the walls and ceilings are finished with painted and textured drywall; and there is a light fixture. Additionally, there is a metal sink with a Formica countertop in the hallway. The bathroom ceiling paint is peeling, and an acoustic tile in the hallway T-bar ceiling had some stains, which appear to be from water damage due to a possible leak in the roof.

Site Improvements

There are no site improvements specific to the subject property. Site improvements in the overall condominium complex common areas consist of an asphalt paved parking lot and medium quality landscaping, with low maintenance bushes, shrubs, and trees in numerous planter areas.

Handicap Accessibility

State Law and the Americans Disabilities Act ("ADA") require all cities to comply with Handicap Access Codes. Riggs & Riggs, Inc., is not qualified to render an opinion as to whether or not the subject meets all applicable State Laws. Any non-compliance with the ADA may affect the value of the property. All value opinions are predicated on the assumption that the subject meets all handicap codes. **Please refer to Extraordinary Assumption No. 23.**

Parking

City parking requirements vary depending upon use: a self storage facility requires 6 "visitor" parking spaces; administrative/business offices, retail or service facilities require 1 space per 250 gross square feet; and warehousing, wholesaling, and storage facilities require 1 space per 2,000 gross square feet. For the subject unit, 7 spaces would be required. At the time of inspection, the subject property was striped with 8 designated parking spaces, 5 in front and 3 in the rear of the building. The parking ratio is therefore 1.72 spaces per 1,000 square feet of GFA. The subject appears to be legal and conforming to the number of parking spaces required under the Municipal Code.

Age and Condition

According to public record, the subject improvements were constructed in 1974, with an actual age of 38 years. Building maintenance appears to have been average over the years. The improvements are considered to be in average condition overall, with an effective age of 30 years. Total economic life of the improvements is estimated at 60 years. Therefore, the remaining economic life of the improvements is estimated at 30 years.

Functional Utility

The subject improvements are of average quality and appeal, and average condition. They are considered generally functional in layout and design, and generally conform to surrounding uses in the market for an industrial condominium unit. The improvements appear to legally conform to all zoning requirements. Market demand for industrial condominiums is considered moderate. The site, with which the subject property is situated, has average-to-good visibility and average-to-good accessibility, with features that are considered functional to the market. No functional or external obsolescence was observed during our inspection or our survey of the market. Overall, the functional utility of the subject is considered to be average to the market.

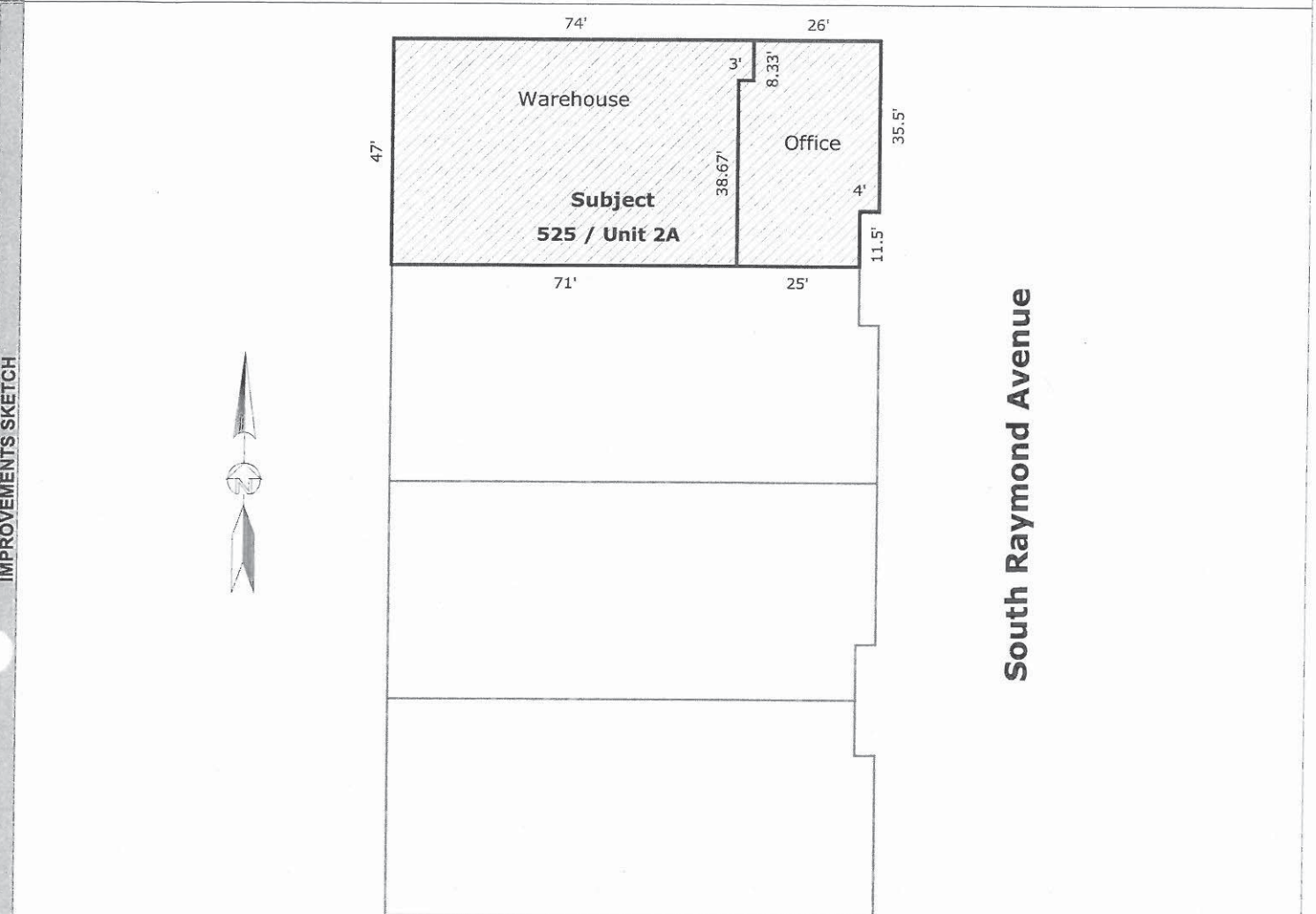
Demolition Services – Raymond Ave Grade Separation Project

SKETCH/AREA TABLE ADDENDUM

C-3-1615
EXHIBIT I

File No 12-063

Property Address	525 South Raymond Avenue		
City	Fullerton	State	CA
Borrower			
Lender/Client			
Appraiser Name	Riggs & Riggs, Inc.		



Scale: 1 = 34

AREA CALCULATIONS

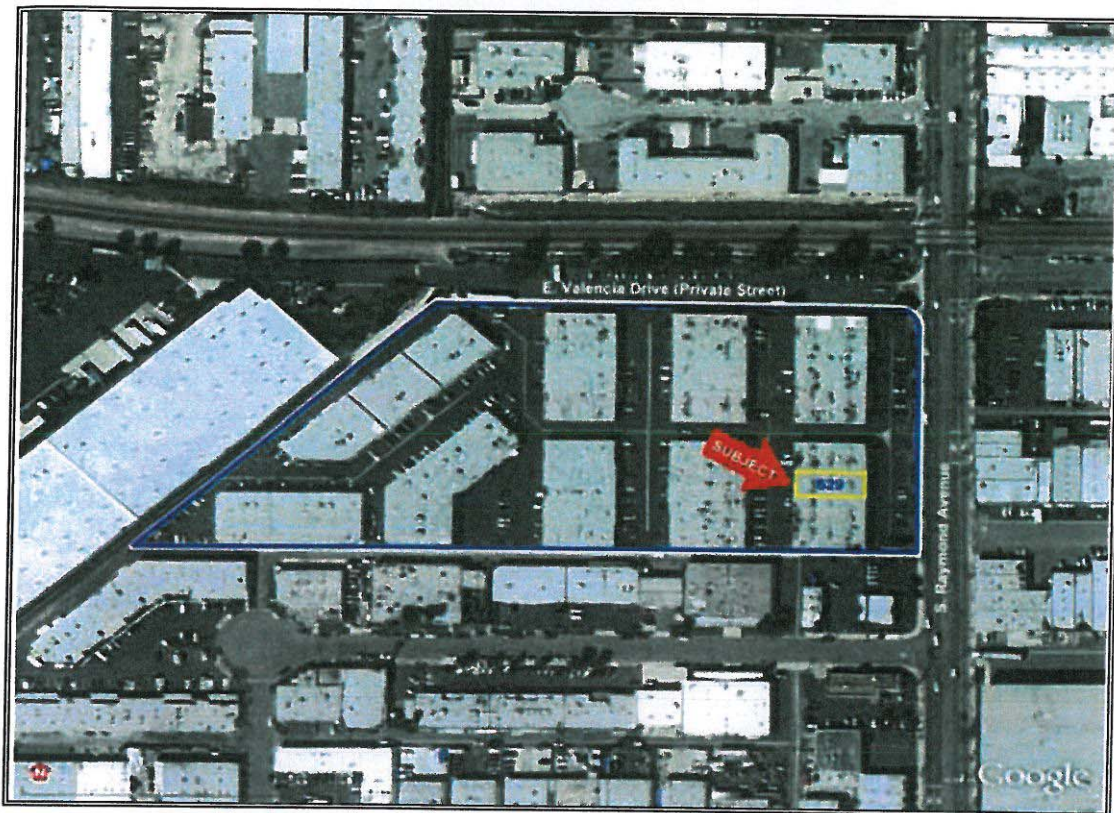
AREA CALCULATIONS SUMMARY			
Code	Description	Net Size	Net Totals
GBA1	Unit 2A, Office	1292.00	
	Unit 2A, Warehouse	3362.00	4654.00
UND	Building2, Units A-D	18012.00	18012.00

BUILDING AREA BREAKDOWN			
Breakdown			Subtotals
Unit 2A, Office			
8.33	x	26.00	216.67
11.50	x	25.00	287.50
27.17	x	29.00	787.83
Unit 2A, Warehouse			
8.33	x	74.00	616.66
38.67	x	71.00	2745.34

Net BUILDING Area	(rounded)	4654	5 Items	(rounded)	4654
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#8

EXECUTIVE SUMMARY



The subject property is located at the southeast corner of South Raymond Avenue and a private street, a vacated portion of East Valencia Drive. More specifically, the situs address is 529 South Raymond Avenue in the City of Fullerton, County of Orange, and State of California. The U.S. Postal Zip Code is 92831.

The subject property consists of a one-sixteenth interest in a site which is irregular in shape and contains a gross area of 144,924± square feet, or 3.33± acres, of land, otherwise identified as Phase 1 of a 3-phase industrial condominium project. The site is comprised of a non-signalized corner location along the western side of South Raymond Avenue, a major arterial, and the southern side of vacated East Valencia Drive, a private street. Ingress and egress to the site is provided by both streets. Overall, accessibility, visibility, and site utility are average-to-good. The overall site is zoned M-G, Manufacturing General, and the General Plan Land Use designation is I, Industrial.

The subject property is improved with a 4,454± square foot, single tenant industrial condominium unit, within a 42 unit industrial condominium complex of Class "C", concrete tilt-up construction and built in 1974. The complex is known as the Fullerton East Business Park. More specifically, it is one of four units within the southeastern most building within the complex. The unit improvements consist of 3,976± square feet of warehouse space, and 478± square feet of office space, for an overall office ratio of 10.7± percent of the gross building area. The warehouse has a clear height of 14.5± feet, and contains 1 ground level loading door. The site improvements are of average quality and average overall condition. The subject is adequate in design and layout for industrial use and conforms to other industrial condominium properties in the market.

The City of Fullerton is considering acquiring the subject property for the Raymond Avenue Grade Separation Project. This will be transmitted in greater detail in the sections to follow.

SKETCH/AREA TABLE ADDENDUM

File No 12-064

SUBJECT

Property Address 529 South Raymond Avenue

City Fullerton

State CA

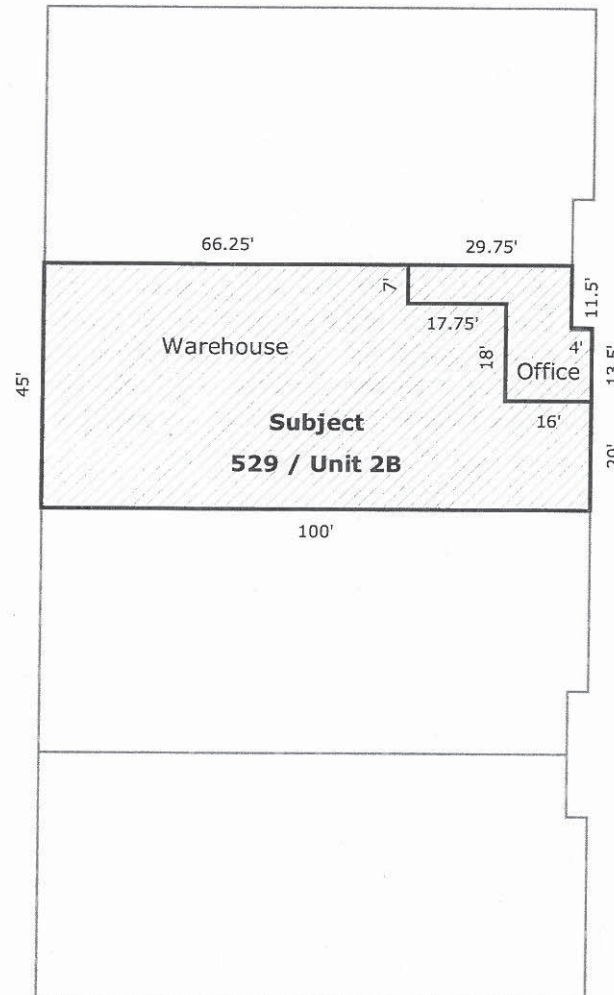
Zip 92831

Borrower

Lender/Client

Appraiser Name Riggs & Riggs, Inc.

IMPROVEMENTS SKETCH



South Raymond Avenue

Scale: 1 = 34

AREA CALCULATIONS

AREA CALCULATIONS SUMMARY

Code	Description	Net Size	Net Totals
GBA1	Unit 2B, Office	478.25	
	Unit 2B, Warehouse	3975.75	4454.00
UND	Building2, Units A-D	18012.00	18012.00

BUILDING AREA BREAKDOWN

Breakdown	Subtotals
Unit 2B, Office	
16.00 x 13.50	216.00
29.75 x 7.00	208.25
4.50 x 12.00	54.00
Unit 2B, Warehouse	
100.00 x 20.00	2000.00
7.00 x 66.25	463.75
18.00 x 84.00	1512.00

Net BUILDING Area

(rounded)

4454

6 Items

(rounded)

4454

Orange County Transportation Authority

EXHIBIT I Page 24 of 42

IMPROVEMENT DESCRIPTION

The subject property is the second northernmost unit within an industrial building that is located at the southeast corner of the site that is part of an overall 3 phase, 42 unit industrial condominium complex known as the Fullerton East Business Park. The subject improvements consist of a one-sixteenth fee simple interest in Phase 1 of the Condominium Plan, and a condominium interest in Unit 2-B. There are 4 separate buildings within Phase 1 of the condominium complex, and there are 4 units in the building which contains the subject condominium unit. According to public record, the subject condominium unit has a gross building area (GBA) of 4,463 square feet. According to an Assessment document obtained from the Fullerton East Business Park Association, the subject improvement contains a GBA of 4,500 square feet. On-site measurements reflected a GBA of 4,454± square feet, which accounts for a 46± square foot cutout area utilized as a non-enclosed exterior entrance. For the purposes of this appraisal, we have utilized a GBA of 4,454± square feet. According to public records, the building was originally constructed in 1974. The improvement is comprised of 3,976± square feet of warehouse area, and 478± square feet of office space, for an office ratio of 10.7± percent. **Please refer to Extraordinary Assumption Nos. 21 and 22.**

Building Exterior

The subject property is part of a 4-unit, Class “C”, concrete tilt-up, industrial building. The structure has a concrete slab foundation and a flat composition roof. The warehouse clear height is 14.5± feet, with a ceiling height of 16± feet, and there is 1 ground level loading door in the rear, or western building elevation, along with a pedestrian door. The entrance to the unit is located along the eastern elevation, fronting South Raymond Avenue. In the overall building there are two cutout areas along the eastern building wall which are utilized as the main entrance to the 4 separate units, with two units sharing a common entrance area.

Building Interior

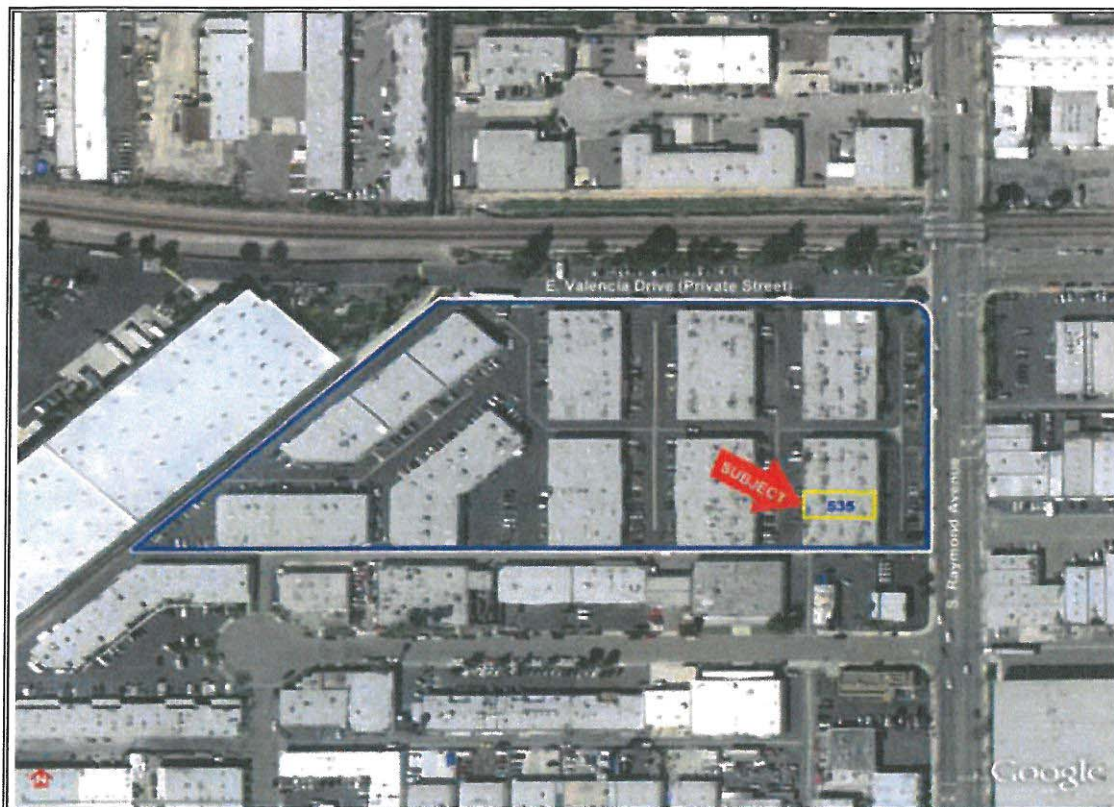
The warehouse area has a concrete floor which is partially improved with tile flooring, and the concrete tilt-up walls are painted. The ceiling is covered by foil insulation, and is reinforced by a glulam beam support system, hanging fluorescent strip lights, exhaust fans, and 2 skylights. There is an open efficient kitchen area within the warehouse which is improved with a sink, and a Formica countertop and cabinets. Additionally, there is a small metal mezzanine area. Power consists of 400 amp, 120/208 volt, 3 phase, 4 wire panel. There is a cut doorway passthrough along the southern wall that provides access to their adjacent lease unit to the south through the warehouse.

The office area consists of an entryway, one finished office, two restrooms, and a utility/storage room. The entryway and office areas are improved with Formica tile flooring; walls which are finished with painted drywall; windows which are covered with blinds; the ceiling is improved with a suspended T-bar ceiling with acoustic tiles, in addition to recessed fluorescent lighting with glare covers; and an AC/heat unit. Both restrooms contain a toilet, wall sink, and mirror. They are improved with wainscot tile flooring; a portion of the walls have wainscot paneling; the rest of the walls and ceilings are finished with painted and textured drywall; and there is an exhaust fan and a light fixture.

Site Improvements

There are no site improvements specific to the subject property. Site improvements in the overall condominium complex common areas consist of an asphalt paved parking lot and medium quality landscaping, with low maintenance bushes, shrubs, and trees in numerous planter areas.

EXECUTIVE SUMMARY



The subject property is located at the southeast corner of South Raymond Avenue and a private street, a vacated portion of East Valencia Drive. More specifically, the situs address is 535 South Raymond Avenue in the City of Fullerton, County of Orange, and State of California. The U.S. Postal Zip Code is 92831.

The subject property consists of a one-sixteenth interest in a site which is irregular in shape and contains a gross area of 144,924± square feet, or 3.33± acres, of land, otherwise identified as Phase 1 of a 3-phase industrial condominium project. The site is comprised of a non-signalized corner location along the western side of South Raymond Avenue, a major arterial, and the southern side of vacated East Valencia Drive, a private street. Ingress and egress to the site is provided by both streets. Overall, accessibility, visibility, and site utility are average-to-good. The overall site is zoned M-G, Manufacturing General, and the General Plan Land Use designation is I, Industrial.

The subject property is improved with a 4,454± square foot, single tenant industrial condominium unit, within a 42 unit industrial condominium complex of Class "C", concrete tilt-up construction and built in 1974. The complex is known as the Fullerton East Business Park. More specifically, it is one of four units within the southeastern most building within the complex. The unit improvements consist of 2,942± square feet of warehouse space, and 1,512± square feet of office space, for an overall office ratio of 33.9± percent of the gross building area. The warehouse has a clear height of 14.5± feet, and contains 1 ground level loading door. The site improvements are of average quality and average overall condition. The subject is adequate in design and layout for industrial use and conforms to other industrial condominium properties in the market.

The City of Fullerton is considering acquiring the subject property for the Raymond Avenue Grade Separation Project. This will be transmitted in greater detail in the sections to follow.

IMPROVEMENT DESCRIPTION

The subject property is the second from the southernmost unit within an industrial building that is part of an overall 3 phase, 42 unit industrial condominium complex known as the Fullerton East Business Park. The subject improvements consist of a one-sixteenth fee simple interest in Phase 1 of the Condominium Plan, and a condominium interest in Unit 2-C. There are 4 separate buildings within Phase 1 of the condominium complex, and there are 4 units in the building which contains the subject condominium unit. According to public record, the subject condominium unit has a gross building area (GBA) of 4,463 square feet. According to an Assessment document obtained from the Fullerton East Business Park Association, the subject improvement contains a GBA of 4,500 square feet. On-site measurements reflected a GBA of 4,454± square feet, which accounts for a 46± square foot cutout area utilized as a non-enclosed exterior entrance. For the purposes of this appraisal, we have utilized a GBA of 4,454± square feet. According to public records, the building was originally constructed in 1974. The improvement is comprised of 2,942± square feet of warehouse area, and 1,512± square feet of office space, for an office ratio of 33.9± percent. **Please refer to Extraordinary Assumption Nos. 21 and 22.**

Building Exterior

The subject property is part of a 4-unit, Class "C", concrete tilt-up, industrial building. The structure has a concrete slab foundation and a flat composition roof. The warehouse clear height is 14.5± feet, with a ceiling height of 16± feet, and there is 1 ground level loading door in the rear, or western building elevation, along with a pedestrian door. The entrance to the unit is located along the eastern elevation, fronting South Raymond Avenue. In the overall building there are two cutout areas along the eastern building wall which are utilized as the main entrance to the 4 separate units, with two units sharing a common entrance area.

Building Interior

The warehouse area has a concrete floor and painted concrete tilt-up walls. The ceiling is covered by foil insulation, and is reinforced by a glulam beam support system, hanging fluorescent strip lights, and 2 skylights. Power consists of 400 amp, 240 volt, 3 phase, 3 wire panel. However, according to a letter sent to Riggs & Riggs, Inc. by the property trustees, the electrical upgrade to 400 amp from the original 100 amp system is the property of the lessee, E. J. Whitney Co. Inc. Additionally, this unit also shares a common pass through doorway cut in the warehouse interior wall between this unit and the adjacent condominium unit, which is owned by the lessee of the subject property.

The subject office area is separated into two functional areas due to the lessee, E. J. Whitney Co. Inc., sub-leasing a portion of the condominium to a third party. The sub-leased front office area has a door with physical access to the warehouse office but it has been barricaded by the tenants and is inaccessible from the warehouse area at the rear of the unit. The sub-leased office area is 1,199± square feet and consists of five separate finished office areas, two restrooms, and a storage room. Generally, the office areas are improved with carpet flooring; walls which are finished with painted drywall; windows which are covered with blinds; the ceiling is improved with a suspended T-bar ceiling with acoustic tiles, in addition to recessed fluorescent lighting with glare covers; and there is a HVAC system and an alarm system. Only one of the restrooms was accessible at the time of inspection, as the other was blocked. The restroom contained a urinal, wall sink, and mirror. It is improved with tile flooring, and walls which are partially covered with Formica wainscot, with the rest of the walls and ceiling finished with painted and textured drywall, and fluorescent strip lights. Additionally, there is a metal sink with a Formica countertop and cabinets in the common area between the restrooms.

The office in the warehouse used by E. J. Whitney Co., Inc., contains 313± square feet with tile flooring, walls and a ceiling which are finished with painted drywall, strip fluorescent lighting, and a HVAC system.

EXECUTIVE SUMMARY



The subject property is located at the southeast corner of South Raymond Avenue and a private street, a vacated portion of East Valencia Drive. More specifically, the situs address is 539 South Raymond Avenue in the City of Fullerton, County of Orange, and State of California. The U.S. Postal Zip Code is 92831.

The subject property consists of a one-sixteenth interest in a site which is irregular in shape and contains a gross area of 144,924± square feet, or 3.33± acres, of land, otherwise identified as Phase 1 of a 3-phase industrial condominium project. The site is comprised of a non-signalized corner location along the western side of South Raymond Avenue, a major arterial, and the southern side of vacated East Valencia Drive, a private street. Ingress and egress to the site is provided by both streets. Overall, accessibility, visibility, and site utility are average-to-good. The overall site is zoned M-G, Manufacturing General, and the General Plan Land Use designation is I, Industrial.

The subject property is improved with a 4,454± square foot, single tenant industrial condominium unit, within a 42 unit industrial condominium complex of Class "C", concrete tilt-up construction and built in 1974. The complex is known as the Fullerton East Business Park. More specifically, it is one of four units within the southeastern most building within the complex. The unit improvements consist of 2,880± square feet of warehouse space, and 1,574± square feet of office space, for an overall office ratio of 35.3± percent of the gross building area. The warehouse has a clear height of 14.5± feet, and contains 1 ground level loading door. The site improvements are of average quality and average overall condition. The subject is adequate in design and layout for industrial use and conforms to other industrial condominium properties in the market.

The City of Fullerton is considering acquiring the subject property for the Raymond Avenue Grade Separation Project. This will be transmitted in greater detail in the sections to follow.

SKETCH/AREA TABLE ADDENDUM

C-3-1615
EXHIBIT I

File No 12-066

Property Address 539 South Raymond Avenue

City Fullerton

State CA

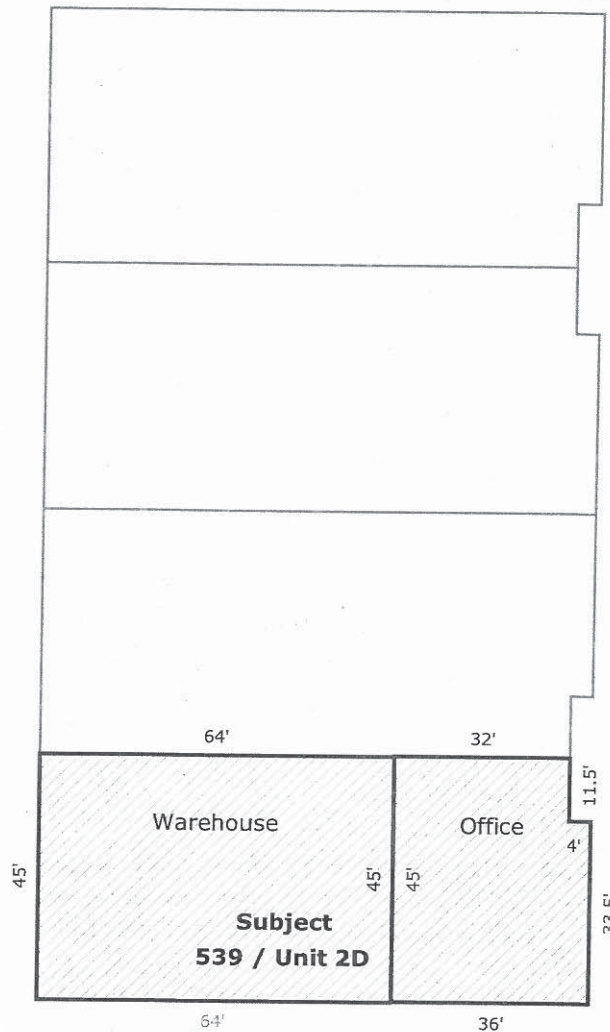
Zip 92831

Borrower

Lender/Client

Appraiser Name Riggs & Riggs, Inc.

IMPROVEMENTS SKETCH



South Raymond Avenue

Scale: 1 = 34

AREA CALCULATIONS

AREA CALCULATIONS SUMMARY

Code	Description	Net Size	Net Totals
GBA1	Unit 2D, Warehouse	2880.00	
	Unit 2D, Office	1574.00	4454.00
UND	Building2, Units A-D	18012.00	18012.00

BUILDING AREA BREAKDOWN

Breakdown	Subtotals
Unit 2D, Warehouse	
64.00 x 45.00	2880.00
Unit 2D, Office	
36.00 x 33.50	1206.00
11.50 x 32.00	368.00

Net BUILDING Area

(rounded)

4454

3 Items

(rounded)

4454

IMPROVEMENT DESCRIPTION

The subject property is the southernmost unit within an industrial building that is part of an overall 3 phase, 42 unit industrial condominium complex known as the Fullerton East Business Park. The subject improvements consist of a one-sixteenth fee simple interest in Phase 1 of the Condominium Plan, and a condominium interest in Unit 2-D. There are 4 separate buildings within Phase 1 of the condominium complex, and there are 4 units in the building which contains the subject condominium unit. According to public record, the subject condominium unit has a gross building area (GBA) of 4,463 square feet. According to an Assessment document obtained from the Fullerton East Business Park Association, the subject improvement contains a GBA of 4,500 square feet. On-site measurements reflected a GBA of 4,454± square feet, which accounts for a 46± square foot cutout area utilized as a non-enclosed exterior entrance. For the purposes of this appraisal, we have utilized a GBA of 4,454± square feet. According to public records, the building was originally constructed in 1974. The improvement is comprised of 2,880± square feet of warehouse area, and 1,574± square feet of office space, for an office ratio of 35.3± percent. **Please refer to Extraordinary Assumption Nos. 21 and 22.**

Building Exterior

The subject property is part of a 4-unit, Class “C”, concrete tilt-up, industrial building. The structure has a concrete slab foundation and a flat composition roof. The warehouse clear height is 14.5± feet, with a ceiling height of 16± feet, and there is 1 ground level loading door in the rear, or western building elevation, along with a pedestrian door. The entrance to the unit is located along the eastern elevation, fronting South Raymond Avenue. In the overall building there are two cutout areas along the eastern building wall which are utilized as the main entrance to the 4 separate units, with two units sharing a common entrance area.

Building Interior

The warehouse area has a concrete floor and painted concrete tilt-up walls. The ceiling is covered by foil insulation, and is reinforced by a glulam beam support system, hanging fluorescent strip lights, 2 skylights and a space heater. The electrical panel was blocked by boxes and inaccessible.

The office area consists of four separate finished office areas, 3 storage type rooms, two restrooms, and a utility/storage room. Generally, the office areas are improved with carpet and tile; walls which are finished with painted drywall; windows which are tinted and covered with blinds; the ceiling is improved with painted wood paneling or a suspended T-bar ceiling with acoustic tiles, in addition to recessed fluorescent lighting with glare covers; and there is a HVAC system. Both restrooms contain a toilet, wall sink, and a mirror. They are improved with tile flooring, wainscot tile, and the rest of the walls and ceilings are finished with painted and textured drywall and fluorescent strip lights. Additionally, there is a metal sink with a Formica countertop and cabinets in the hallway.

Within the warehouse area, there is an interlocking metal storage rack system, and a storage mezzanine area which is located on top of a portion of the offices.

Site Improvements

There are no site improvements specific to the subject property. Site improvements in the overall condominium complex common areas consist of an asphalt paved parking lot and medium quality landscaping, with low maintenance bushes, shrubs, and trees in numerous planter areas.

#11

SUMMARY OF SALIENT FACTS AND CONCLUSIONS

PROPERTY LOCATION: 1124 East Walnut Avenue
Fullerton, California 92831

THOMAS BROS. MAP REFERENCE: 739/A7, Orange County

CENSUS MAP NO.: 114.03

EFFECTIVE DATE OF APPRAISAL: November 6, 2012

DATE OF INSPECTION: November 6, 2012

DATE OF REPORT: November 7, 2012

TYPE OF REPORT: Summary

INTEREST APPRAISED: Fee simple

ASSESSOR'S PARCEL NO.: 033-192-03

LEGAL DESCRIPTION: The legal description for the subject property is detailed in the title report included in the Addenda section of this appraisal report.

OWNERSHIP: According to the title report provided for review, ownership is vested as follows:

Lorenzo Teran and Gladys C. Teran, Husband and Wife as Joint Tenants

FLOOD HAZARD AREA: The subject property is located in Zone "X," as indicated on the National Flood Insurance Map, Community Map Panel No. 06059C-0131J dated December 3, 2009. Zone "X" indicates areas of 0.2% annual chance flood, areas of 1.0% annual chance flood with average depths of less than one foot or with drainage areas less than one square mile and areas protected by levees from 1.0% annual chance flood.

SUMMARY OF SALIENT FACTS AND CONCLUSIONS, Continued**SEISMIC RISKS:**

The subject is not reported to be located within an Alquist-Priolo Earthquake Fault Zone, according to the California Geological Survey; however, most of Southern California is considered to be a seismically active area.

The subject property is located within a liquefaction zone, Anaheim Quadrangle, as mapped by the State of California Division of Mines and Geology.

ZONING:

The City of Fullerton has zoned the larger parcel R1-7,200, Single-family Residential. Allowable uses within this zone include single-family residential uses on individual lots with a minimum lot size of 7,200 square feet. The subject property is a legal, non-conforming use in terms of minimum lot size.

SITE AREA:

Approximately 6,095 square feet, or 0.14 acres

IMPROVEMENTS:

The subject of this appraisal is a single-family residential property, with a 1,933 square foot residence onsite. Located on East Walnut Avenue, the building was constructed in approximately 1950, and renovated and expanded in 2006. The improvements are in good condition for their age, having had extensive remodeling.

Site improvements include a driveway with concrete paving, and landscaping. The parcel has a concrete block wall surrounding the site.

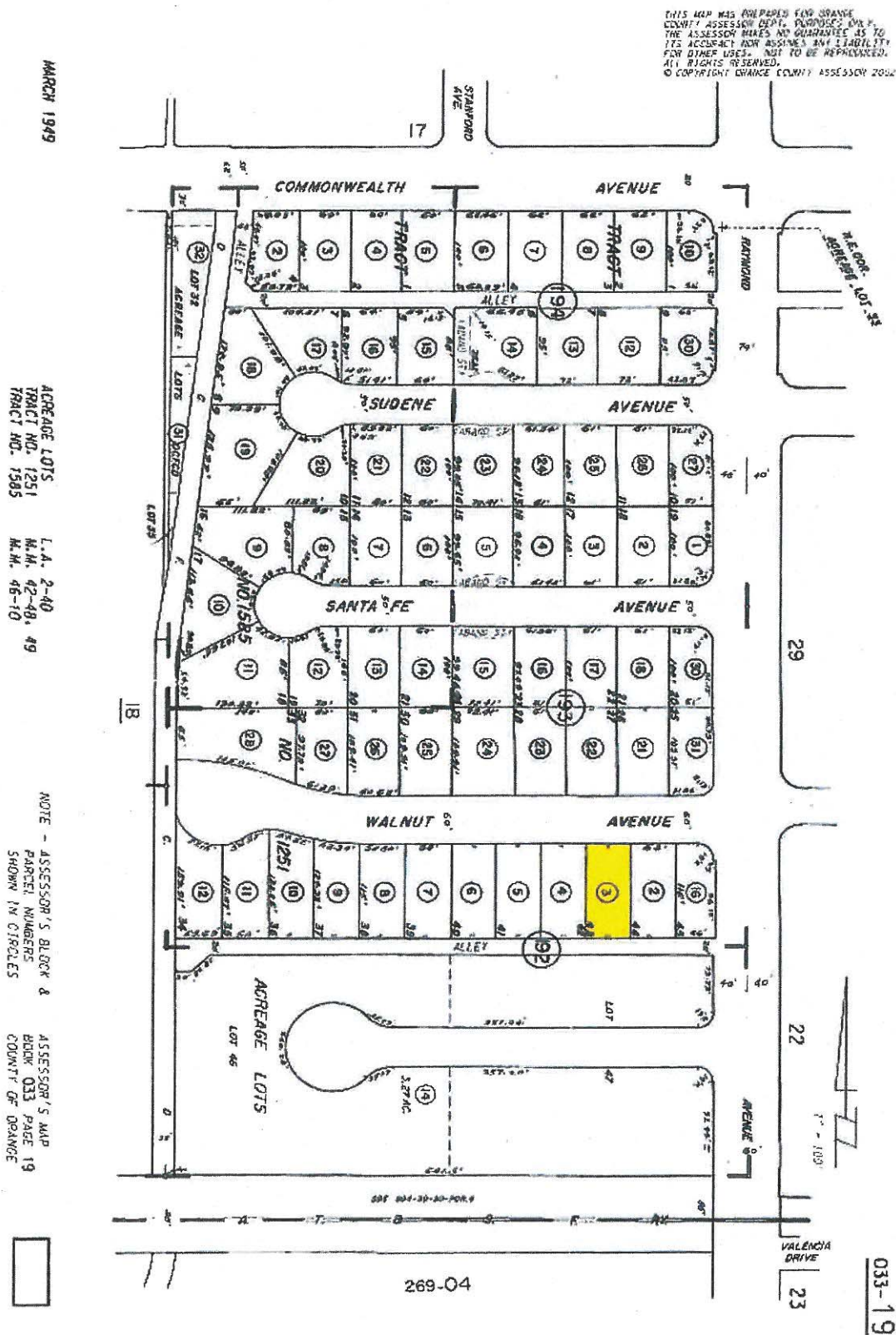
HIGHEST AND BEST USE:

As If Vacant: Hold for future development
As Improved: Existing Use

MARKETING AND EXPOSURE TIME: One to six months

CONCLUDED FAIR**MARKET VALUE:**

\$550,000



#12

SUMMARY OF SALIENT FACTS AND CONCLUSIONS

PROPERTY LOCATION: 1128 East Walnut Avenue
Fullerton, California 92831

THOMAS BROS. MAP REFERENCE: 739/A7, Orange County

CENSUS MAP NO.: 114.03

EFFECTIVE DATE OF APPRAISAL: December 15, 2011

DATE OF INSPECTION: December 15, 2011

DATE OF REPORT: December 20, 2011

TYPE OF REPORT: Summary

INTEREST APPRAISED: Fee simple

ASSESSOR'S PARCEL NO.: 033-192-02

LEGAL DESCRIPTION: The legal description for the subject property is detailed in the title report included in the Addenda section of this appraisal report.

OWNERSHIP: According to the title report provided for review, ownership is vested as follows:

Elliot Marks, a married man, as his sole and separate property.

Title No. 7, indicated a conveyance of the property to Cynthia Ortiz, a single woman, dated July 14, 2011, as Instruments No. 11-343226, Official Records

FLOOD HAZARD AREA: The subject property is located in Zone "X," as indicated on the National Flood Insurance Map, Community Map Panel No. 06059C-0131J dated December 3, 2009. Zone "X" indicates areas of 0.2% annual chance flood, areas of 1.0% annual chance flood with average depths of less than one foot or with drainage areas less than one square mile and areas protected by levees from 1.0% annual chance flood.

SUMMARY OF SALIENT FACTS AND CONCLUSIONS, ContinuedSEISMIC RISKS:

The subject is not reported to be located within an Alquist-Priolo Earthquake Fault Zone, according to the California Geological Survey; however, most of Southern California is considered to be a seismically active area.

The subject property is located within a liquefaction zone, Anaheim Quadrangle, as mapped by the State of California Division of Mines and Geology.

ZONING:

The City of Fullerton has zoned the larger parcel R1-7,200, Single-family Residential. Allowable uses within this zone include single-family residential uses on individual lots with a minimum lot size of 7,200 square feet. The subject property is a legal, non-conforming use in terms of minimum lot size.

SITE AREA:

Approximately 6,095 square feet, or 0.14 acres

IMPROVEMENTS:

The subject of this appraisal is a single-family residential property, with a 950 square foot residence onsite. Located East Walnut Avenue, the building was constructed in approximately 1950. The improvements are in good condition for their age having had some remodeling.

Site improvements include a driveway with concrete paving, landscaping, patio area with fireplace and an above-ground spa. The parcel has a concrete block wall surrounding the site.

HIGHEST AND BEST USE:

As If Vacant: Hold for future development
As Improved: Existing Use

MARKETING AND EXPOSURE TIME: One to six months

CONCLUDED FAIRMARKET VALUE:

\$285,000



#13

DESCRIPTION OF THE LARGER PARCEL

Ownership:	<i>William J. Johnson and Luella E. Johnson, as Trustee, or any Successor Trustees, under that certain Declaration of Trust created by William J. Johnson and Luella E. Johnson, as Trustors, dated May 4, 1992</i>
Location:	1131 East Walnut Avenue Fullerton, California 92831
Assessor's Parcel Nos.:	033-193-31
Date of Value:	December 15, 2011
Property Rights Appraised:	Fee simple
Site Area:	Approximately 5,527 square feet, or 0.13 acres
Zoning:	The City of Fullerton has zoned the larger parcel R1-7,200, Single-family Residential. Allowable uses within this zone include single-family residential uses on individual lots with a minimum lot size of 7,200 square feet. The subject property is a legal, non-conforming use in terms of minimum lot size.
Present Use:	Single-family residence
Highest and Best Use (As Vacant):	The highest and best use of the larger parcel, "as if vacant," would be to hold for future development.
Highest and Best Use (As Improved):	The highest and best use of the larger parcel, "as improved" appears to be the existing use.
Improvements:	<p>The subject of this appraisal is a single-family residential property, with a 730 square foot residence onsite. Located East Walnut Avenue, the building was constructed in approximately 1950. The improvements are in good condition for their age, having had some remodeling.</p> <p>Site improvements include a driveway with concrete paving, and landscaping, a patio area with fireplace and a hot tub. The parcel has a concrete block wall along the eastern side of the site and a chain link fence along the northern and western sides of the site.</p>



#14

DESCRIPTION OF THE LARGER PARCEL

Ownership: *James T. Garrett and Patricia A. Garrett, as Trustors and Trustees of the Garrett Family Trust Agreement, dated August 5, 1996*

Location: 1132 East Walnut Avenue
Fullerton, California 92831

Assessor's Parcel Nos.: 033-192-16

Date of Value: December 9, 2011

Property Rights Appraised: Fee simple

Site Area: Gross Area -Approximately 6,277 square feet, or 0.14 acres
Net Area - Approximately 5,387 square feet, or 0.12 acres
(Net area equals gross area minus easement for street purposes)

Zoning: The City of Fullerton has zoned the larger parcel R1-7,200, Single-family Residential. Allowable uses within this zone include single- family residential uses on individual lots with a minimum lot size of 7,200 square feet. The subject property is a legal, non-conforming use in terms of minimum lot size.

Present Use: Single-family residence

Highest and Best Use
(As Vacant): The highest and best use of the larger parcel, "as if vacant," would be to hold for future development.

Highest and Best Use
(As Improved): The highest and best use of the larger parcel, "as improved" appears to be the existing use.

Improvements: The subject of this appraisal is a single-family residential property, with a 987 square foot residence onsite. Located on the southwest corner of East Walnut Avenue and Raymond Avenue, the building was constructed in approximately 1950. The improvements are in average condition for their age having had some remodeling.

Site improvements include a driveway with concrete paving, and landscaping. The parcel has a chain link fence along the southern side of the site, wood fencing along the western

side of the site, and a concrete block wall located along the eastern side of the site.

PROPOSED PROJECT INFORMATION

Description of Acquisition:	Full take
Area of Larger Parcel:	Gross Area -Approximately 6,277 square feet, or 0.14 acres Net Area - Approximately 5,387 square feet, or 0.12 acres (Net area equals gross area minus easement for street purposes)
Existing Improvements:	987 square foot single-family residence
Acquisition Area:	Approximately 5,290 square feet, or 0.12 acres and existing improvements

Valuation Methodology

The subject property is being appraised for a possible acquisition by the City of Fullerton. Three approaches to value are available: the cost approach, the sales comparison approach and the income approach.

The approach most often relied on by buyers of this type of property has been developed. This approach is the sales comparison approach. The income and cost approaches are not considered reliable for the valuation of single-family residences and have not been developed as part of this report.

The estimated fair market value of the subject property is based on improved sales data for other properties with essentially the same utility and amenities as the subject property. The subject property is an existing single-family property, located on a secondary street adjacent to Raymond Avenue and a light industrial area.

All of the comparable properties sold for cash or with conventional financing; no adjustments are indicated.

Of the comparables discovered, the most similar sales were chosen for comparison. The unadjusted values for the comparable sales found range from \$245,000 to \$308,000 for closed sales. Consideration is given for location, site size, building size, bedroom/bath count, HVAC system, year built, quality, condition, parking and amenities. The principal transactions relied on are summarized in the following table.

IMPROVEMENTS DESCRIPTION

The following description of the subject improvements is based on information gathered during a physical inspection of the subject property on December 9, 2011.

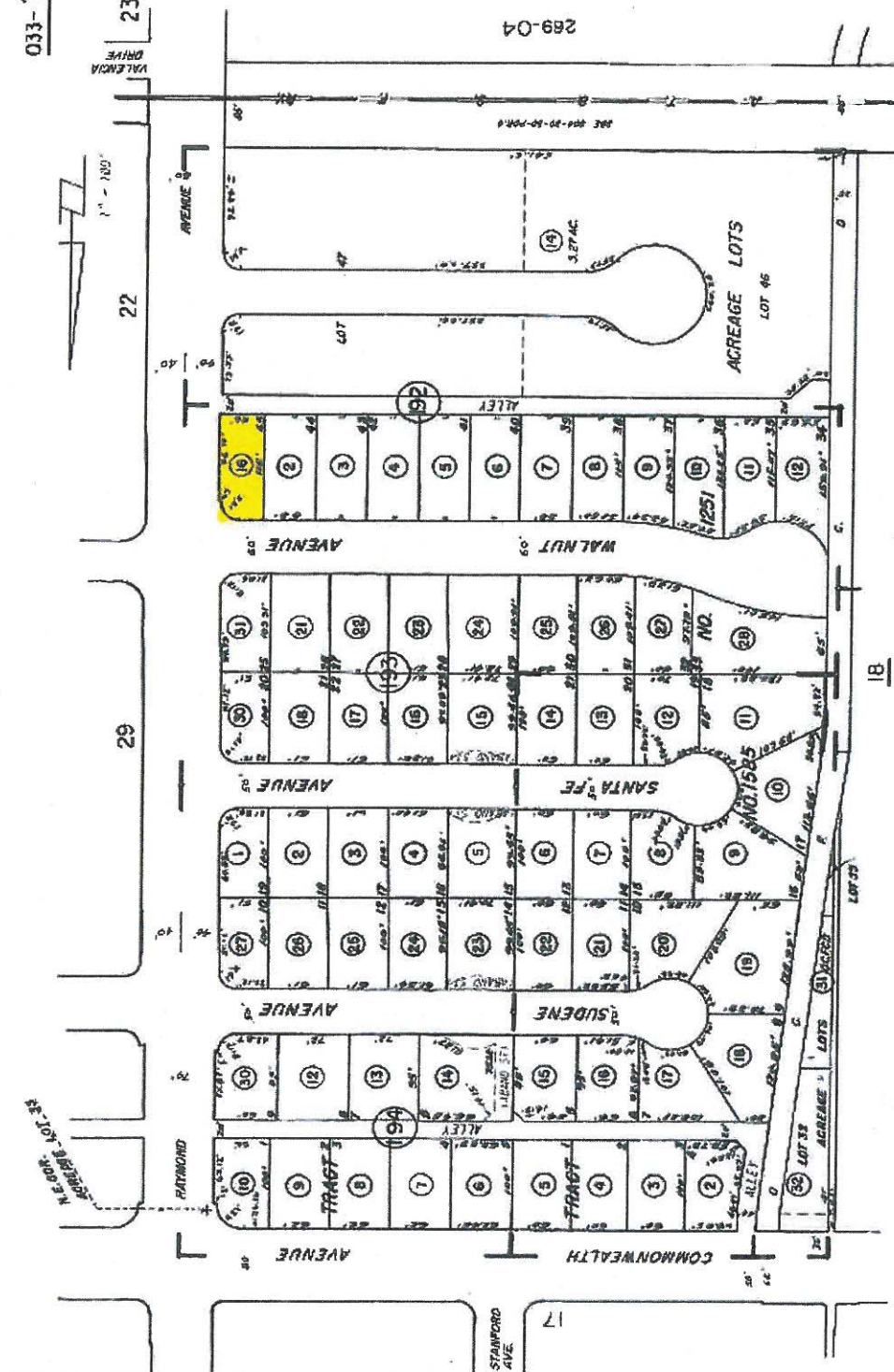
The subject of this appraisal is a single-family residential property, with a 987 square foot house onsite. According to public records the building was constructed in 1950, and is in average condition for its age.

Physical measurements taken indicate approximately 987 square feet, which are similar to the measurements indicated by public records. For purposes of this report, the building areas indicated by public records are utilized.

If a more definitive estimate of the size of the improvements is required, it is recommended that a qualified engineer or architect be retained to inspect and make such a determination. No liability is assumed by the appraisers for any variation in the improvement size.

Building Summary:	It is reported that the subject property was constructed in 1950. The subject property has a building area of approximately 987 square feet, with three bedrooms and one bathroom.
Parking:	One-car garage
Room Count:	5 total rooms; 3 bedrooms and one-bath
Construction Class:	The building appears to be of average quality, Class D, wood frame construction.
Foundation:	Raised foundation
Exterior Walls:	The building improvements are constructed with stucco and wood siding exterior walls.
Roof:	Composition shingle
Floor Coverings:	Wood and vinyl
Interior Walls:	Painted drywall or plaster
Windows:	Glass in aluminum frames

033-19



THIS MAP WAS PREPARED FOR ORANGE COUNTY ASSESSOR'S DEPT., FURNISHED BY THE ASSessor AND QUANTITIES AS TO ITS ACCURACY AND ASSUMES ANY LIABILITY FOR OTHER USES, NOT TO BE REPRODUCED. ALL RIGHTS RESERVED. ORANGE COUNTY ASSESSOR 2002

MARCH 1949

ACREAGE LOTS
TRACT NO. 1251
TRACT NO. 1585

L.A. 2-40
M.M. 42-48, 49
M.M. 46-10

NOTE - ASSESSOR'S BLOCK & PARCEL NUMBERS SHOWN IN CIRCLES
ASSESSOR'S MAP BOOK 033 PAGE 19
COUNTY OF ORANGE

Exhibit J-1

Hazardous Materials Survey Report and Work Plan

Dated June 4, 2013

Demolition Services - Raymond Avenue Grade Separation Project

FINAL HAZARDOUS MATERIALS SURVEY REPORT Raymond Avenue Railroad Grade Separation Project

**503, 522, 524, 528, 532, 535 South Raymond Avenue
1128, 1131, 1132 East Walnut Avenue
Fullerton, California**

Prepared for:

**Orange County Transportation Authority
550 South Main Street
Orange, California 92863**

Prepared by

**AMEC Environment & Infrastructure, Inc.
6001 Rickenbacker Road,
Los Angeles, California 90040**

AMEC Project 4953-13-0341

June 4, 2013





June 4, 2013

Mr. Bill Mock
Orange County Transportation Authority
550 South Main Street
Orange, California 92863-1584

Subject: **Final Hazardous Materials Survey Report**
Raymond Avenue Railroad Grade Separation Project
Fullerton, California
Project No., S9208-PK4
Agreement No., C-0-1845 CTO-2
AMEC Project 4953-13-0341

Dear Mr. Mock:

AMEC Environment & Infrastructure, Inc. (AMEC) has completed a hazardous materials survey in support of the Raymond Avenue Grade Separation Project. The survey included the assessment of suspect asbestos-containing materials (ACM), lead-based paints (LBP), polychlorinated biphenyls (PCB's), chlorofluorocarbon refrigerant-containing refrigeration or HVAC systems, and materials and items that are considered universal wastes in California such as, mercury-containing thermostats and switches, fluorescent light tubes, and batteries and/or battery-containing equipment. The attached report presents general project information, survey details, results, our findings and removal and abatement recommendations

AMEC appreciates the opportunity to assist you on this project. Please contact us should any questions arise regarding this report or, if we may be of further service.

Sincerely,

AMEC Environment & Infrastructure, Inc

A handwritten signature in blue ink that reads "Don E. Harman".

Don Harman
Senior Engineer
California Asbestos Consultant No. 92-0044
Certified Lead Inspector/Assessor and
Project Monitor No. I-10236

A handwritten signature in black ink that reads "Nancy Newlander".

Nancy G. Newlander, CIH
Senior Associate Scientist

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Fax +1 (323) 721-6700
www.amec.com

**FINAL HAZARDOUS MATERIALS SURVEY REPORT
Raymond Avenue Railroad Grade Separation Project**

**503, 522, 524, 528, 532, 535 South Raymond Avenue
1128, 1131, 1132 East Walnut Avenue
Fullerton, California**

Prepared for:

**Orange County Transportation Authority
550 South Main Street
Orange, California 92863**

Prepared by

**AMEC Environment & Infrastructure, Inc.
6001 Rickenbacker Road,
Los Angeles, California 90040**

AMEC Project 4953-13-0341

June 4, 2013

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*Hazardous Materials Survey - Raymond Avenue Grade Separation Project
AMEC Project No. 4953-13-0341*

June 4, 2013

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Figure 6 – 524 S. Raymond Avenue Floor Plan
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1.0 BACKGROUND

AMEC Environment & Infrastructure, Inc. (AMEC) has completed a hazardous materials survey in support of the Raymond Avenue Grade Separation Project. The survey included the assessment of suspect asbestos-containing materials (ACM), lead-based paints (LBP), polychlorinated biphenyls (PCB's), chlorofluorocarbon refrigerant containing refrigeration or HVAC systems, and materials and items that are considered universal wastes in California such as, mercury-containing thermostats and switches, fluorescent light tubes, and batteries and/or battery-containing equipment. AMEC performed the survey work on April 9, 15, 16, and 19, 2013.

2.0 PURPOSE

The purpose of the survey was to locate and identify hazardous materials requiring abatement, stabilization, remediation, and/or special handling prior to the demolition of the structures. Our survey included visual observations, material sampling and laboratory analysis of suspect ACM, on site testing of suspect LBP with an x-ray fluorescence (XRF) spectrum analyzer, and visual observations of suspect PCB-containing light ballasts, mercury-containing equipment, chlorofluorocarbon-containing equipment, and universal wastes.

The entire project site includes four residential buildings on East Walnut Avenue and five commercial buildings on South Raymond Avenue, in Fullerton, California. The following nine units, only, were accessible and included in the survey:

- Parcel 5 – Unit 503 and Unit 535 S. Raymond Avenue. One unit each in two industrial buildings, 18,200 ft², concrete tilt up construction, built in 1955. Unit 503 unoccupied, unit 535 partially occupied.
- Parcel 6 - 522 to 532 S. Raymond Avenue. One industrial building, 9,573 ft², concrete block construction, built in 1955. Three units unoccupied, one unit (532) occupied.
- Parcel 15 – 1128 E. Walnut Avenue. Single family residence, 950 ft², built in 1950, currently vacant.
- Parcel 16 – 1132 E. Walnut Avenue. Single family residence, 987 ft², built in 1950, currently vacant.
- Parcel 19 – 1131 E. Walnut Avenue. Single family residence, 730 ft², built in 1950, currently vacant.

The results of the survey can be provided to the project general contractor, asbestos abatement contractor and/or the hazardous materials contractor, along with the Hazardous Materials Work Plan, dated June 4, 2013 (Appendix C), for establishing appropriate removal, abatement and handling actions to be implemented before demolition of the structures begins. It should be noted that most of the tenant spaces in the buildings that make up Parcel 5 were not surveyed in preparation of this report.

3.0 BUILDING INFORMATION

The three residential structures have spread and perimeter footing foundations, raised wood floors, wood frames and stucco exteriors. Interior finishes included painted plaster,

*Hazardous Materials Survey - Raymond Avenue Grade Separation Project
AMEC Project No. 4953-13-0341*

June 4, 2013

plasterboard, and drywall, resilient floor tile, resilient sheet flooring, wood flooring, ceramic tile, granite and carpet.

One commercial building, comprising 522 to 532 S. Raymond Avenue, is divided into 4 commercial units, with offices in the front and warehouse space in the back of the units. The building is slab on grade and concrete block construction. The roof is segmented and has a fixed access ladder along the back of the building. The roof has package HVAC units and mechanical exhaust units. Interior finishes included painted concrete block, plasterboard and drywall walls, concrete floors, resilient floor tiles and sheet flooring, cove base, acoustic ceiling panels and carpet.

Two adjacent commercial buildings that include 503 and 535 S. Raymond Avenue are divided into four units each. The two units that were accessible to AMEC had offices in the front and warehouse space in the back. The buildings are slab on grade and concrete tilt up construction. The roof of each building is not segmented, has fixed access ladders along the back of the building, and has packaged HVAC units and mechanical exhaust units. Interior finishes included plasterboard, wallboard, wainscot and resilient sheet and wood panel walls, concrete floors, resilient floor tile, cove base, acoustic ceiling panels and carpet.

4.0 ASBESTOS SURVEY

4.1 REGULATORY INFORMATION

The Federal regulatory definition of an asbestos-containing material (ACM) is any material containing more than one percent (1%) asbestos. Asbestos waste is not regulated as hazardous waste under the Federal Resource Conservation and Recovery Act (RCRA).

The California regulatory definition of ACM is also any material with more than 1% asbestos. The California Business and Professions Code, requires asbestos abatement contractors to be licensed by the Contractors State License Board (CSLB) and asbestos consultants to be Certified by Cal/OSHA.

The California Labor Code requires that any contractor who does "asbestos-related work" that disturbs asbestos-containing construction materials must be licensed by the CSLB and registered with Cal/OSHA. Asbestos containing construction material (ACCM) means any manufactured construction material that contains more than one-tenth of 1 percent (>0.1%) asbestos.

The California Department of Toxic Substance Control (DTSC) classifies asbestos-containing material as hazardous waste if it is "friable" and contains 1.0% or more asbestos. A friable material is one that can be reduced to a powder or dust under hand pressure when dry. DTSC considers non-friable bulk asbestos-containing waste to be nonhazardous regardless of its asbestos content. Friable asbestos wastes with more than 0.1% asbestos and less than 1% asbestos are not required to be handled as hazardous waste.

4.2 SURVEY AND SAMPLING

AMEC's survey of the buildings included observation of interior floor, wall, and ceiling finishes, and exterior wall and roof components. Mr. Don Harman, AMEC, a California

*Hazardous Materials Survey - Raymond Avenue Grade Separation Project
AMEC Project No. 4953-13-0341*

June 4, 2013

Certified Asbestos Consultant performed the survey on April 9, 15, 16, and 19, 2013. In evaluating the building, we used our education, training and experience along with our familiarity with building construction, to identify potential asbestos materials. Our survey included visual observations and sampling of suspect asbestos materials.

The selection of materials to be sampled was based on material homogeneity. A homogeneous material is one that appears to be of the same uniform texture, color, appearance, general use, and condition, and that was applied during the same general time period. Once homogeneous materials were determined, sample locations were selected, and representative samples of the suspect material were collected. A bulk sample across the full depth of the suspect material was obtained.

The samples were collected from readily accessible areas. No intrusive activities for the purpose of obtaining samples, such as breaking through walls and ceilings, were performed. No attempt was made to disassemble mechanical equipment. Inaccessible spaces such as wall voids, building cavities, and mechanical equipment may contain concealed, unreported asbestos that may be revealed during demolition activities.

The samples were labeled and delivered under appropriate chain-of-custody documentation to EMS Laboratories (EMS) in Pasadena, California for microscopic analysis by Phase Light Microscopy (PLM). The samples were analyzed in general accordance with the EPA "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116, July 1993). This method employs polarized light microscopy (PLM) coupled with dispersion staining to identify the type and approximate quantity of asbestos present in the sample, if any. EMS is accredited under the National Institute of Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP) (Lab Code 101218) and the State of California Department of Health Services Environmental Laboratory Accreditation Program (ELAP Number 1119).

With respect to the sample analysis, if asbestos is detected in concentrations less than 1%, in California the material may be regulated as ACCM. As such, any PLM sample identified as having less than 1% asbestos must either be re-evaluated by point counting, in accordance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) Asbestos NESHAP Revision, Final Rule (40 CFR, Part 61), or must be assumed to be ACCM, and therefore regulated in California. Point counting, determines if the materials known to be less than 1% asbestos (EPA criteria), are equal to or less than 0.1% asbestos (California criteria) and therefore not regulated with respect to abatement requirements.

4.2 SAMPLE ANALYTICAL RESULTS

A total of 217 bulk samples were collected and delivered to EMS for PLM analyses. When the building material is comprised of two or more layers or substrates, across its full cross-sectional depth, the laboratory will identify and analyze each layer. For this survey the analytical laboratory analyzed 294 substrates.

Of the 294 samples analyzed, asbestos was identified in amounts greater than 1% in joint compound, floor tile and mastic, sheet vinyl and mastic, carpet mastic, and roofing mastic.

Asbestos was identified in amounts less than 1% in plaster, stucco, joint compound, and floor tile and mastic. Twelve samples of the plaster, stucco, joint compound, and floor tile

and mastic were subsequently analyzed by point counting. Of the point count samples; asbestos was identified in amounts greater than 0.1% in joint compound and plaster.

Sample descriptions and the analytical results are provided in Table 1. Table 2 identifies those samples and materials determined to contain asbestos in concentrations above California regulatory levels. The homogeneous material (HM), its location(s) within the structure and approximate quantities are also included on Table 2. Approximate sample locations and room numbers are indicated on Figures 1 to 9. The laboratory analytical data and chain of custody forms are included in Appendix A

5.0 LEAD-BASED PAINT SURVEY

The lead-based paint (LBP) survey was performed on April 15, 16, and 19, 2013 by AMEC's subcontractor, Dr. Zainul Abedin of Environmental Engineering, Inc. (EEI), a California Department of Public Health (CDPH) Certified Lead Inspector, Risk Assessor, Monitor, and Lead Supervisor. Visual observation and testing of the building's interior and exterior surfaces was performed.

The visual survey of the various areas within the structures was performed to identify painted building components, their general condition, location and quantity of the painted components. Damaged, loose and flaking paint observed during the survey were noted.

5.1 XRF SURVEY

EEI performed the LBP survey in accordance with EPA and US Housing and Urban Development (HUD) guidelines for lead inspections and testing. Testing for LBP was performed onsite using a portable x-ray fluorescence (XRF) spectrum analyzer, with the capability to measure lead content in dry paint films, in the range of 0 to 50 milligrams per square centimeter (mg/cm²). The surfaces tested were selected in general accordance with the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing.

HUD, EPA and California definitions for lead-based paint are any paint with a lead concentration equal to or greater than 1.0 milligram per square centimeter of surface area (≥ 1 mg/cm²) when measured by a portable XRF instrument, or 0.5% by weight (5,000 parts per million [ppm]) when measured by standard analytical methods. XRF results between 0.9 to 1.1 mg/cm² are considered by HUD/EPA as inconclusive.

In California, for lead-related construction work, Cal/OSHA requires a risk assessment to determine if employees may be exposed above the action level or permissible exposure limit (PEL). Surface coatings that contain lead at concentrations equal to or exceeding 0.06% lead by weight (600 ppm) are assumed by Cal/OSHA to demonstrate the presence of lead surface coatings that constitute a health hazard to employees engaged in lead-related construction work. As such, appropriate controls and work practices as defined in 8 CCR 1532.1 and 17 CCR 3600 et seq. are mandated, including requirements to use personnel certified by the California Department of Health Services.

5.2 XRF TEST RESULTS

With the exception of one wall mounted air-conditioning unit frame above the front door at 523 S. Raymond Avenue, none of the tested building materials contained lead-based

paints. The paint on the frame was identified as being in damaged condition. The frame will require removal prior to demolition and recycling. Table 3 presents the LBP findings. EEI's reports are included in Appendix B.

6.0 POLYCHLORINATED BIPHENYLS (PCB) SURVEY

There appeared to be a potential for polychlorinated biphenyl-containing (PCB-containing) dielectric fluid to be present, based on the age of the Subject Buildings, in electrical equipment and fluorescent light fixture ballasts. AMEC performed a visual survey of electrical equipment and fluorescent light fixtures to determine the presence of PCBs and inventory their locations. Only fixed building materials and equipment were included in the survey.

The potential for PCB-containing transformers, switches and other electrical equipment to be present was based on information contained on the equipment labels. No potential PCB-containing transformers or electrical equipment were observed. Utility-owned pole or pad mounted transformers may contain PCBs.

Fluorescent light fixtures were not observed in the residential structures. Approximately 191 florescent light fixtures were present in the 6 commercial units that were available for inspection. Of the approximate 191 fluorescent light fixtures, 35 were inspected.

The ballasts in the light fixtures were assumed to contain PCBs unless labeling specifically indicated the absence of PCBs (e.g., "No PCBs"). Based on our observations, four different types of ballasts are suspected of containing PCBs based on label information. Searches of the manufacturers' web sites did not provide information to rule out these ballasts as potentially PCB-containing.

Four different types of presumed PCB ballasts were identified. Approximately 40 presumed PCB ballasts were identified at 503 S. Raymond Avenue. An additional, 33 PCB ballasts are assumed to be present in Room 5 and 6 at 535 S. Raymond Avenue, access to these lights was denied and therefore label information was not reviewed. Table 4 presents the ballasts' name and model or catalogue number, location observed, and estimated quantity.

PCB wastes are regulated as hazardous waste by the Department of Toxic Substances Control (DTSC) under 22 CCR 66261.24 and 67426.1, if the total PCB concentration is equal to or greater than 50 mg/kg (50 ppm), and/or the soluble concentration PCBs is equal to or greater than 5 mg/L (5 ppm). A minimum of one of each type of presumed PCB ballast will need to be analyzed for PCB content, or they can be assumed to be PCB-containing hazardous wastes.

7.0 FLUORESCENT LIGHT TUBE SURVEY

AMEC performed a visual survey for the presence of fluorescent light tubes. Fluorescent light tubes are regulated as universal waste in California. Fluorescent lights were not observed in the three residential units.

Approximately 361 fluorescent light tubes were present in the six commercial units surveyed. The tubes will require removal, packaging and recycling as universal waste. Table 5 presents the number of tubes observed in the units.

8.0 MERCURY-CONTAINING EQUIPMENT

AMEC performed a visual survey for the presence of potential mercury-containing switches and other electrical equipment. Potential mercury-containing materials were not observed in the units surveyed with the exception of one thermostat in 503 S. Raymond Avenue. The thermostat contained two small mercury filled ampoules.

Mercury-containing thermostats are regulated in California as universal wastes pursuant to 22 CCR 66273.4. The thermostats will require removal prior to demolition. The thermostats are required to be recycled as universal waste. Table 6 presents the survey findings.

9.0 CHLOROFLUOROCARBON REFRIGERANT SURVEY

AMEC performed a visual survey for the presence of potential chlorofluorocarbon refrigerant-containing equipment. Refrigeration equipment was not observed in the units. Several packaged heating, ventilation and air-conditioning systems (HVAC) were present on the roofs of the commercial structures. One wall mounted air conditioner unit was present at 532 S. Raymond Avenue. Table 7 presents the survey findings.

Chlorofluorocarbon refrigerants are specifically excluded or exempted from regulation as hazardous waste in California if they are reclaimed for reuse. The refrigerants in the AC unit and HVAC units will require reclamation prior to recycling by a certified appliance recycler.

10.0 MICROBIAL SURVEY

AMEC performed a visual survey for areas exhibiting signs of fungal growth. A very small area of sparse fungal growth was observed on the north wall of Room 4 in 532 S. Raymond Avenue. Water damage was evident in the area of fungal growth. Fungal growth is not regulated and does not require any special precautions or handling prior to the demolition of the structure.

11.0 OTHER HAZARDOUS MATERIALS

Miscellaneous pint, one gallon and two gallon sized metal cans were observed at 1128 and 1132 E. Walnut Avenue. The cans were rusted and in poor condition. Some contained liquids, some contained semi-solid materials. Labels were damaged or missing and the contents may not be the original material. The containers will require inspection, segregation, and possibly sampling for waste characterization.

Miscellaneous, consumer-type cleaning products were observed in the commercial units. These materials do not require special handling. Miscellaneous, consumer-type aerosol products were observed in the commercial units. Aerosol cans, if not empty, are regulated in California as universal waste.

Alkaline batteries and one small lead acid battery were observed at 503 and 528 S. Raymond Avenue, respectively. Batteries are regulated as universal wastes. The batteries will require recycling.

One container of an unknown liquid was observed at 503 S. Raymond Avenue. Three plastic containers of unknown liquids were observed at 528 S. Raymond Avenue. The containers will require inspection, segregation, and sampling for waste characterization.

Table 8 presents information on the hazardous materials found in the units.

12.0 RECOMMENDATIONS

12.1 ASBESTOS-CONTAINING MATERIALS

The asbestos materials must be removed from the structures prior to demolition or renovation activities that may result in the physical disturbance of the material. Any contractor who does "asbestos-related work" that disturbs asbestos-containing materials or asbestos-containing construction materials must be licensed by the CSLB and registered with Cal/OSHA.

The abatement work must be performed in compliance with applicable Federal, State and local regulations. A scope of work and work procedures specifically tailored to this project should be prepared and adhered to by the abatement contractor. It is important that the abatement activities be performed by a competent, experienced contractor. It is important to closely monitor the abatement activities.

DTSC classifies asbestos-containing wastes as hazardous waste if they are "friable" and contain 1.0% or more asbestos. DTSC considers non-friable bulk asbestos-containing waste to be nonhazardous regardless of its asbestos content. Waste materials containing less than 1% asbestos may be managed as non-hazardous waste in accordance with DTSC requirements.

The project-derived asbestos wastes could either be segregated as hazardous and non-hazardous and handled separately, or combined and handled together as hazardous. The handling method selected could be based on the costs associated with the labor to segregate the wastes versus the additional disposal fees. It should be noted that disposal of any hazardous waste does have potential future liabilities should a problem arise with the disposal site. Therefore, the potential increased risk from handling the nonhazardous wastes as hazardous should be considered in the decision making process.

12.2 LEAD-CONTAINING MATERIALS

Paints identified as lead-based and in poor condition (peeling or chipped), must be stabilized prior to demolition. Lead-based paints in good condition may be left in place if exposure to employees and the environment is controlled and the lead-containing waste is properly tested and disposed based on the test results.

Only one material, the frame for the wall mounted air conditioning unit in 528 S. Raymond Avenue tested positive for LBP. The paint was in poor condition. The frame should be removed before demolition and be recycled.

12.3 PCBS

Presumed PCB-containing ballasts were identified in the fluorescent lights at 503 and 535 S. Raymond Avenue. Four different types of ballasts were identified as presumed PCB-

containing. A total of approximately 73 presumed PCB-containing ballasts were identified. Additional ballasts may be present as access to the fluorescent lights in Room 5 and 6 in 535 S. Raymond Avenue was denied. All ballasts should be removed prior to demolition, reviewed for labeling, and then segregated for testing and disposal.

The project-derived ballasts could either be segregated, and one of each type of presumed PCB ballast be analyzed for PCB content, or assumed to contain PCBs. PCB wastes are regulated as hazardous waste, if the total PCB concentration is equal to or greater than 50 mg/kg (50 ppm), and/or the soluble PCB concentration is equal to or greater than 5 mg/L (5 ppm).

The handling method selected could be based on the costs associated with the labor to segregate and test the ballasts, versus the additional disposal fees. It should be noted that disposal of any hazardous waste does have potential future liabilities should a problem arise with the disposal site. Therefore, the potential increased risk from handling potentially nonhazardous wastes as hazardous should be considered in the decision making process.

12.4 FLUORESCENT LIGHT TUBES

Fluorescent lights were not observed in the three residential units. Approximately 361 fluorescent light tubes were present in the six commercial units surveyed. Intact, fluorescent light tubes are regulated as universal waste. The tubes will require removal, packaging and recycling as universal waste. Broken tubes may be hazardous waste, and would require sampling and waste characterization prior to disposal.

12.5 MERCURY-CONTAINING EQUIPMENT

Potential mercury-containing materials were not observed in the units surveyed with the exception of one thermostat in 503 S. Raymond Avenue. The thermostat contained two small mercury filled ampoules. Mercury-containing thermostats are regulated as universal wastes and will require removal prior to demolition. Thermostats are required to be recycled as universal waste.

12.6 CHLOROFLUOROCARBON REFRIGERANT

Twenty-one packaged HVAC systems were present on the roofs of the three commercial buildings surveyed. One wall mounted AC unit was present at 532 S. Raymond Avenue. Chlorofluorocarbon refrigerants are specifically excluded or exempted from regulation as hazardous waste in California if they are reclaimed for reuse. The refrigerant in the HVAC units should be reclaimed prior to the removal of the units from the roof. The HVAC units should be recycled by a certified appliance recycler. The refrigerant in the AC unit will require reclamation prior to recycling the unit through a certified appliance recycler.

12.7 MISCELLANEOUS WASTE MATERIALS

Miscellaneous containers of liquids, semi-solid, solid and aerosol materials observed at the units were unlabeled, or had labels that were damaged or missing.

- The contents of the labeled containers may not be consistent with the labels. The containers will require inspection, segregation, and possibly sampling for waste characterization.

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- Aerosol cans, if not empty, are regulated in California as universal waste.
- Alkaline batteries and lead acid batteries will require recycling.
- Containers of unknown materials will require inspection, segregation, and sampling for waste characterization.

13.0 LIMITATIONS

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental, health and safety consultants practicing in this or similar localities at the time of service. AMEC assumes no liability for any loss, injury, claim, or damages arising directly or indirectly from any use or reliance on this report or the opinions expressed herein. No other warranty, express or implied, is made as to the professional advice included in this report.

AMEC endeavored to observe existing conditions at the buildings using generally accepted procedures. There is always a possibility some areas containing asbestos, lead, mold, or PCB-containing materials were overlooked, were inaccessible, or are different from those at specific sample locations. Therefore, conditions at every location may not be as anticipated by our field representative. In addition, demolition may uncover altered or differing conditions.

This report has been prepared for the exclusive use of our client. Any use that a third party makes of this report, or any reliance on or decisions made based on it, are the responsibility of the third party. With respect to third parties, AMEC has no liability or responsibility for losses of any kind whatsoever, including direct or consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. Should additional parties require reliance on this report, written authorization from AMEC will be required.

TABLES

Table 1
Asbestos Sample Results

Sample No.	Material	Description	HM No.	Layer	Assay	Sample Level	Location Room No.	Sample Results
1128 E. Walnut Avenue, Fullerton CA								
1	Plaster	White	1	a	1	1	2	<0.1%, Chrysotile
1	Button Board	Pink	1	b	1	1	2	ND
2	Plaster	White	1	a	2	1	6	ND
2	Button Board	Pink	1	b	2	1	6	ND
3	Plaster	White	1	a	3	1	2	<0.1%, Chrysotile
4	Plaster	White	1	a	4	1	6	ND
5	Plaster	White	1	a	5	1	7	0.12%, Chrysotile
6	Sheet Vinyl	Off white, 12x12 pattern, loose laid	2	a	1	1	1	ND
7	Sheet Vinyl	Off white, 12x12 pattern, loose laid	2	a	2	1	1	ND
8	Drywall	White	3	a	1	1	1	ND
8	Joint Compound	White	3	b	1	1	1	ND
9	Drywall	White	3	a	2	1	5	ND
9	Joint Compound	White	3	b	2	1	5	ND
10	Joint Compound	White	3	b	3	1	1	ND
11	Stucco	Gray	4	a	1	Exterior	Wall	ND
12	Stucco	Gray	4	a	2	Exterior	Wall	ND
13	Stucco	Gray	4	a	3	Exterior	Wall	ND
14	Stucco	Gray	4	a	4	Exterior	Wall	ND
15	Stucco	Gray	4	a	5	Exterior	Wall	ND
16	Composition Shingle	Brown	5	a	1	Exterior	Roof	ND
17	Composition Shingle	Brown	5	a	2	Exterior	Roof	ND
18	Penetration Mastic	Black	6	a	1	Exterior	Roof	ND
19	Penetration Mastic	Black	6	a	2	Exterior	Roof	ND
20	Insulation	White , blown-in	7	a	1	Attic	Attic	ND
21	Insulation	White , blown-in	7	a	2	Attic	Attic	ND
1131 E. Walnut Avenue, Fullerton CA								
1	Plaster	White	1	a	1	1	7	ND
1	Button Board	Pink	1	b	1	1	7	ND
2	Plaster	White	1	a	2	1	7	ND
3	Plaster	White	1	a	3	1	3	ND
3	Button Board	Pink	1	b	2	1	3	ND
4	Plaster	White	1	a	4	1	6	ND
5	Plaster	White	1	a	5	1	4	0.1%, Chrysotile
6	Floor Tile and Mastic	12x12 light gray, tile and beige, mastic	2	ab	1	1	4	ND
7	Floor Tile and Mastic	12x12 light gray, tile and beige, mastic	2	ab	2	1	4	ND
8	Composition Shingle	Brown	3	a	1	Exterior	Roof	ND
9	Composition Shingle	Brown	3	a	2	Exterior	Roof	ND
10	Penetration Mastic	Black	4	a	1	Exterior	Roof	15%, Chrysotile
11	Penetration Mastic	Black	4	a	2	Exterior	Roof	ND
12	Stucco	Gray	5	a	1	Exterior	Wall	ND
13	Stucco	Gray	5	a	2	Exterior	Wall	ND

Table 1
Asbestos Sample Results

Sample No.	Material	Description	HM No.	Layer	Assay	Sample Level	Location Room No.	Sample Results
14	Stucco	Gray	5	a	3	Exterior	Wall	ND
15	Stucco	Gray	5	a	4	Exterior	Wall	<0.1%, Chrysotile
16	Stucco	Gray	5	a	5	Exterior	Wall	ND
17	Felt	Black	6	a	1	1	8	ND
18	Felt	Black	6	a	2	1	8	ND
19	Window Caulk	White	7	a	1	Exterior	Wall	ND
20	Window Caulk	White	7	a	2	Exterior	Wall	ND
21	Insulation	White , blown-in	8	a	1	Attic	Attic	ND
22	Insulation	White , blown-in	8	a	2	Attic	Attic	ND
23	Ceiling Texture	White	10	a	1	1	7	ND
24	Ceiling Texture	White	10	a	2	1	7	ND
25	Ceiling Texture	White	10	a	3	1	7	ND
26	Drywall	White	11	a	1	1	8	ND
27	Drywall	White	11	a	2	1	8	ND

1132 E. Walnut Avenue, Fullerton CA

1	Button Board	Pink	1	a	1	1	6	ND
1	Plaster	White	1	b	1	1	6	ND
2	Button Board	Pink	1	a	2	1	7	ND
2	Plaster	White	1	b	2	1	7	ND
3	Plaster	White	1	b	3	1	1	0.24%, Chrysotile
4	Plaster	White	1	b	4	1	5	ND
5	Plaster	White	1	b	5	1	8	<0.1%, Chrysotile
6	Sheet Vinyl and Mastic	Light brown, 12x12 pattern, sheet vinyl and gray, mastic	2	ab	1	1	1	ND
7	Sheet Vinyl and Mastic	Light brown, 12x12 pattern, sheet vinyl and gray, mastic	2	ab	2	1	3	ND
8	Wash Tub	Gray	3	a	1	1	3	ND
9	Wash Tub	Gray	3	a	2	1	3	ND
10	Sheet Vinyl and Mastic	Beige, 12x12 pattern, sheet vinyl and beige, mastic	4	ab	1	1	4	ND
11	Sheet Vinyl and Mastic	Beige, 12x12 pattern, sheet vinyl and beige, mastic	4	ab	2	1	4	ND
12	Panel Mastic	Gray, on shower panel	5	a	1	1	4	ND
13	Panel Mastic	Gray, on shower panel	5	a	2	1	4	ND
14	Stucco	Gray	6	a	1	Exterior	Wall	ND
15	Stucco	Gray	6	a	2	Exterior	Wall	ND
16	Stucco	Gray	6	a	3	Exterior	Wall	ND
17	Stucco	Gray	6	a	4	Exterior	Wall	ND
18	Stucco	Gray	6	a	5	Exterior	Wall	ND
19	Felt	Black, wall	7	a	1	1	10	ND
20	Felt	Black, wall	7	a	2	1	10	ND
21	Composition Shingle	Brown	8	a	1	Exterior	Roof	ND
22	Composition Shingle	Brown	8	a	2	Exterior	Roof	ND
23	Insulation	White , blown-in	9	a	1	Attic	Attic	ND
24	Insulation	White , blown-in	9	a	2	Attic	Attic	ND
25	Penetration Mastic	Black	10	a	1	Exterior	Roof	ND

Table 1
Asbestos Sample Results

Sample No.	Material	Description	HM No.	Layer	Assay	Sample Level	Location Room No.	Sample Results
26	Penetration Mastic	Black	10	a	2	Exterior	Roof	10%, Chrysotile

503 Raymond Avenue

1	Drywall	White	1	a	1	1	13	ND
1	Joint Compound	White	1	b	1	1	13	ND
2	Drywall	White	1	a	2	1	3	ND
2	Joint Compound	White	1	b	2	1	3	ND
3	Joint Compound	White	1	b	3	1	14	<1%, Chrysotile
4	Joint Compound	White	1	b	4	1	12	2%, Chrysotile
5	Joint Compound	White	1	b	5	1	12	<1%, Chrysotile
6	Drywall	White, new	2	a	1	1	6	ND
6	Joint Compound	White, new	2	b	1	1	6	ND
7	Drywall	White, new	2	a	2	1	6	ND
7	Joint Compound	White, new	2	b	2	1	6	ND
8	Joint Compound	White, new	2	b	3	1	6	ND
9	Joint Compound	White, new	2	b	4	1	9	ND
10	Joint Compound	White, new	2	b	5	1	6	ND
11	Wall Texture	White	1	c	1	1	12	ND
12	Wall Texture	White	1	c	2	1	3	ND
13	Wall Texture	White	1	c	3	1	3	ND
14	Wall Texture	White	1	c	4	1	3	ND
15	Wall Texture	White	1	c	5	1	5	ND
16	Panel Mastic	Beige, on wood panel	4	a	1	1	10	ND
17	Panel Mastic	Beige, on wood panel	4	a	2	1	11	ND
18	Ceiling Tile	White , 2x4, cork pattern	3	a	1	1	13	ND
19	Ceiling Tile	White , 2x4, cork pattern	3	a	2	1	1	ND
20	Carpet Mastic	Beige	5	a	1	1	11	ND
21	Carpet Mastic	Beige	5	a	2	1	10	ND
22	Oil Absorbent	Light gray, above room 7	6	a	1	1	7	ND
23	Oil Absorbent	Light gray, above room 7	6	a	2	1	7	ND
24	Exterior Panel Caulk	Gray	7	a	1	Exterior	Wall	ND
25	Exterior Panel Caulk	Gray	7	a	2	Exterior	Wall	ND
26	Penetration Mastic	Black	8	a	1	Exterior	Roof	ND
27	Penetration Mastic	Black	8	a	2	Exterior	Roof	4%, Chrysotile
28	Mechanical Pad Mastic	Black	9	a	1	Exterior	Roof	ND
29	Mechanical Pad Mastic	Black	9	a	2	Exterior	Roof	2%, Chrysotile
30	Skylight Mastic	Black	10	a	1	Exterior	Roof	3%, Chrysotile
31	Skylight Mastic	Black	10	a	2	Exterior	Roof	2%, Chrysotile
32	Roof Coating	White	11	a	1	Exterior	Roof	ND
33	Roof Coating	White	11	a	2	Exterior	Roof	ND
34	Duct Mastic	White	12	a	1	Exterior	Roof	2 to 3%, Chrysotile
35	Duct Mastic	White	12	a	2	Exterior	Roof	ND
36	Patch	Black	13	a	1	Exterior	Roof	ND

Table 1
Asbestos Sample Results

Sample No.	Material	Description	HM No.	Layer	Assay	Sample Level	Location Room No.	Sample Results
37	Patch	Black	13	a	2	Exterior	Roof	ND
38	Field	Black, built-up roof	14	a	1	Exterior	Roof	ND
39	Field	Black, built-up roof	14	a	2	Exterior	Roof	ND

522 to 532 Raymond Avenue

1	Penetration Mastic	Silver	1	a	1	Exterior	Roof	2%, Chrysotile
2	Penetration Mastic	Silver	1	a	2	Exterior	Roof	2%, Chrysotile
3	Parapet	Gray granules and black	2	a	1	Exterior	Roof	ND
4	Parapet	Gray granules and black	2	a	2	Exterior	Roof	ND
5	Penetration Mastic	Gray	3	a	1	Exterior	Roof	3%, Chrysotile
6	Penetration Mastic	Gray	3	a	2	Exterior	Roof	5%, Chrysotile
7	Field	Black, built-up roof	4	a	1	Exterior	Roof	ND
8	Field	Black, built-up roof	4	a	2	Exterior	Roof	ND

522 Raymond Avenue

1	Floor Tile and Mastic	Light brown, tile and black, mastic	1	ab	1	1	1	ND
2	Floor Tile and Mastic	Light brown, tile and black, mastic	1	ab	2	1	2	ND
3	Covebase and Mastic	Brown, covebase and beige, mastic	2	ab	1	1	1	ND
4	Covebase and Mastic	Brown, covebase and beige, mastic	2	ab	2	1	3	ND
5	Drywall	White	3	a	1	1	1	ND
5	Joint Compound	White	3	b	1	1	1	ND
6	Drywall	White	3	a	2	1	2	ND
6	Joint Compound	White	3	b	2	1	2	ND
7	Joint Compound	White	3	b	3	1	2	ND
8	Joint Compound	White	3	b	4	1	4	ND
9	Joint Compound	White	3	b	5	1	3	ND

524 Raymond Avenue

1	Drywall	White	1	a	1	1	1	ND
1	Joint Compound	White	1	b	1	1	1	ND
2	Drywall	White	1	a	2	1	4	ND
2	Joint Compound	White	1	b	2	1	4	ND
3	Joint Compound	White	1	b	3	1	6	ND
4	Joint Compound	White	1	b	4	1	4	ND
5	Joint Compound	White	1	b	5	1	1	ND
6	Covebase and Mastic	Black, covebase and beige, mastic	2	ab	1	1	2	ND
7	Covebase and Mastic	Black, covebase and beige, mastic	2	ab	2	1	1	ND
8	Ceiling Texture	White	3	a	1	1	1	ND
9	Ceiling Texture	White	3	a	2	1	1	ND
10	Ceiling Texture	White	3	a	3	1	2	ND
11	Ceiling Tile	White , 2x4, cork pattern	4	a	1	1	4	ND
12	Ceiling Tile	White , 2x4, cork pattern	4	a	2	1	4	ND
13	Floor Tile and Mastic	12x12, brown, tile and beige, mastic	5	ab	1	1	3	ND

Table 1
Asbestos Sample Results

Sample No.	Material	Description	HM No.	Layer	Assay	Sample Level	Location Room No.	Sample Results
14	Floor Tile and Mastic	12x12, brown, tile and beige, mastic	5	ab	2	1	3	ND
15	Covebase and Mastic	Brown, covebase and beige, mastic	6	ab	1	1	3	ND
16	Covebase and Mastic	Brown, covebase and beige, mastic	6	ab	2	1	5	ND
17	Floor Tile and Mastic	12x12, light brown, mottled, tile and beige, mastic	7	ab	1	1	5	ND
18	Floor Tile and Mastic	12x12, light brown, mottled, tile and beige, mastic	7	ab	2	1	5	ND

528 Raymond Avenue

1	Drywall	White	1	a	1	1	5	ND
1	Joint Compound	White	1	b	1	1	5	ND
2	Drywall	White	1	a	2	1	5	ND
2	Joint Compound	White	1	b	2	1	5	ND
3	Joint Compound	White	1	b	3	1	1	ND
4	Joint Compound	White	1	b	4	1	5	ND
5	Joint Compound	White	1	b	5	1	4	ND
6	Carpet Mastic	Beige	2	a	1	1	1	2%, Chrysotile
7	Carpet Mastic	Beige	2	a	2	1	1	2%, Chrysotile
8	Particle Board	Brown, wall	3	a	1	1	1	ND
9	Particle Board	Brown, wall	3	a	2	1	1	ND
10	Covebase and Mastic	Brown, covebase and beige, mastic	4	ab	1	1	2	ND
11	Covebase and Mastic	Brown, covebase and beige, mastic	4	ab	2	1	2	ND
12	Covebase and Mastic	Light brown, covebase and beige, mastic	5	ab	1	1	2	ND
13	Covebase and Mastic	Light brown, covebase and beige, mastic	5	ab	2	1	2	ND
14	Floor Tile Mastic	Black	6	a	1	1	6	ND
15	Floor Tile Mastic	Black	6	a	2	1	6	ND

532 Raymond Avenue

1	Drywall	White	1	a	1	1	2	ND
1	Joint Compound	White	1	b	1	1	2	ND
2	Drywall	White	1	a	2	1	8	ND
2	Joint Compound	White	1	b	2	1	8	2%, Chrysotile
3	Joint Compound	White	1	b	3	1	7	2%, Chrysotile
4	Joint Compound	White	1	b	4	1	4	2%, Chrysotile
5	Joint Compound	White	1	b	5	1	1	<1%, Chrysotile
6	Drywall	White, new	2	a	1	1	6	ND
6	Joint Compound	White, new	2	b	1	1	6	2%, Chrysotile
7	Drywall	White, new	2	a	2	1	6	ND
7	Joint Compound	White, new	2	b	2	1	6	2%, Chrysotile
8	Joint Compound	White, new	2	b	3	1	6	2%, Chrysotile
9	Sheet Vinyl and Mastic	Brown, sheet vinyl and beige, mastic	3	ab	1	1	8	40%, Chrysotile (Sheet vinyl)
10	Sheet Vinyl and Mastic	Brown, sheet vinyl and beige, mastic	3	ab	2	1	8	45%, Chrysotile (Sheet vinyl)
11	Ceiling Tile	2x4, white, cork pattern	4	a	1	1	3	ND
12	Ceiling Tile	2x4, white, cork pattern	4	a	2	1	3	ND
13	Ceiling Tile	2x4, white vinyl cover	5	a	1	1	6	ND

Table 1
Asbestos Sample Results

Sample No.	Material	Description	HM No.	Layer	Assay	Sample Level	Location Room No.	Sample Results
14	Ceiling Tile	2x4, white vinyl cover	5	a	2	1	6	ND
15	Floor Tile and Mastic	Gray, tile and beige, mastic	6	ab	1	1	1	ND
16	Floor Tile and Mastic	Gray, tile and beige, mastic	6	ab	2	1	1	ND
17	Carpet Mastic	Brown	7	a	1	1	2	ND
17	Floor Tile	12x12 White	7	b	1	1	2	2%, Chrysotile
17	Floor Tile Mastic	Black	7	c	1	1	2	10%, Chrysotile
18	Carpet Mastic	Brown	7	a	2	1	2	ND
18	Floor Tile	12x12 White	7	b	2	1	2	2%, Chrysotile
18	Floor Tile Mastic	Black	7	c	2	1	2	10%, Chrysotile

535 Raymond Avenue

1	Drywall	White	1	a	1	1	1	ND
1	Joint Compound	White	1	b	1	1	1	ND
2	Drywall	White	1	a	2	1	2	ND
2	Joint Compound	White	1	b	2	1	2	ND
3	Joint Compound	White	1	b	3	1	1	<0.1%, Chrysotile
4	Joint Compound	White	1	b	4	1	1	0.12%, Chrysotile
5	Joint Compound	White	1	b	5	1	4	<0.1%, Chrysotile
6	Ceiling Tile	2x4, white, cork pattern	2	a	1	1	7	ND
7	Ceiling Tile	2x4, white, cork pattern	2	a	2	1	9	ND
8	Covebase and Mastics	Brown , covebase and beige and brown, mastic	3	abc	1	1	3	ND
9	Covebase and Mastics	Brown , covebase and beige and brown, mastic	3	abc	2	1	1	ND
10	Floor Tile and Mastic	12x12 beige, mottled, tile and beige, mastic	4	ab	1	1	2	<0.1%, Chrysotile
11	Floor Tile and Mastic	12x12 beige, mottled, tile and beige, mastic	4	ab	2	1	2	<0.1%, Chrysotile
12	Sheet Vinyl and Mastic	Light gray, tile and black, mastic	5	ab	1	1	3	2%, Chrysotile
13	Sheet Vinyl and Mastic	Light gray, tile and black, mastic	5	ab	2	1	4	2%, Chrysotile
14	Panel Mastic	Yellow, wall	6	a	1	1	4	ND
15	Panel Mastic	Yellow, wall	6	a	2	1	3	ND
16	Ceiling Texture	White	7	a	1	1	2	ND
17	Ceiling Texture	White	7	a	2	1	2	ND
18	Ceiling Texture	White	7	a	3	1	2	ND
19	Carpet Mastic	Beige	8	a	1	1	1	ND
20	Carpet Mastic	Beige	8	a	2	1	1	ND
21	Floor Tile and Mastic	12x12, light gray, tile and beige, mastic	9	ab	1	1	6	ND
22	Floor Tile and Mastic	12x12, light gray, tile and beige, mastic	9	ab	2	1	6	ND
23	Patch Coating	Black	10	a	1	Exterior	Roof	ND
24	Patch Coating	Black	10	a	2	Exterior	Roof	ND
25	Penetration Mastic	Black	11	a	1	Exterior	Roof	2%, Chrysotile
26	Penetration Mastic	Black	11	a	2	Exterior	Roof	3%, Chrysotile
27	Duct Mastic	Black	12	a	1	Exterior	Roof	3%, Chrysotile
28	Duct Mastic	Black	12	a	2	Exterior	Roof	3%, Chrysotile
29	Skylight Mastic	Black	13	a	1	Exterior	Roof	3%, Chrysotile
30	Skylight Mastic	Black	13	a	2	Exterior	Roof	3%, Chrysotile

**Table 1
Asbestos Sample Results**

Sample No.	Material	Description	HM No.	Layer	Assay	Sample Location Level	Room No.	Sample Results
31	Pipe Mastic	Black	14	a	1	Exterior	Roof	ND
32	Pipe Mastic	Black	14	a	2	Exterior	Roof	ND
33	Field	Black, built-up roof	15	a	1	Exterior	Roof	ND
34	Field	Black, built-up roof	15	a	2	Exterior	Roof	ND
35	Parapet	Black	16	a	1	Exterior	Roof	ND
36	Parapet	Black	16	a	2	Exterior	Roof	ND

Table Notes;

HM - A material that appears to be uniform when properties such as age, color, and texture are compared.

Layer - When a Homogenous Material has more than one recognizable component; each is a layer.

Assay - Of the duplicates required by AHERA, the sequential number, starting at one, assigned each sample up to the required number of samples.

Bold type - These samples were determined to contain asbestos in excess of 0.1%.

ND - Asbestos not detected above the method detection limit

Hazardous Materials Survey - Raymond Avenue Grade Separation Project
AMEC Project No. 4953-13-0341

June 4, 2013

Table 2
Summary of Asbestos Materials

Property Address	Sample No.	Material Description	Friable	Sample Location Description	Affected Area (room #)	Quantity (sq. ft.)
1128 E. Walnut St.	1128-1	Plaster, gray/peach/white	N	HM1 - Room 2	2,3 4,5,6,7,8	2901
1128 E. Walnut St.	1128-3	Plaster, gray/pink	N	HM1 - Room 6		
1128 E. Walnut St.	1128-5	Plaster, pink/white	N	HM1 - Room 7		
1131 E. Walnut St.	1131-10	Roof penetration, brown/black/gray	N	HM3 - Roof	Roof	15
1131 E. Walnut St.		Transite flue, assumed ACM	N	HM9 - Attic	Attic	20 LF
1132 E. Walnut St.	1132-5	Plaster, gray/peach/white	N	HM1 - Room 8	1,2,3,4,5,6,7,8 9,10	3575
1132 E. Walnut St.	1132-26	Roof penetration compound	N	HM10 - Roof	Roof	15
503 S. Raymond Ave.	503-3b	Joint compound	N	HM1- Room 14	2,3 4 5,11, 12,13,14	2492
503 S. Raymond Ave.	503-4b	Joint compound	N	HM1- Room 12		
503 S. Raymond Ave.	503-5b	Joint compound	N	HM1- Room 12		
503 S. Raymond Ave.	503-27	Roof penetration mastic, black/gray	N	HM8 - Roof	Roof	75
503 S. Raymond Ave.	503-29	Mastic, black, mechanical pads	N	HM9 - Roof	Roof	544
503 S. Raymond Ave.	503-30	Mastic, black, skylight mastic	N	HM10 - Roof	Roof	288
503 S. Raymond Ave.	503-31	Mastic, black, skylight mastic	N	HM10 - Roof		
503 S. Raymond Ave.	503-34	Roof duct mastic, black/white	N	HM 12 - Roof	Roof	18
503 S. Raymond Ave.	503-34	Roof duct mastic	N	HM 12 - Roof		
528 S. Raymond Ave.	528-6	Mastic, brown/black	N	HM2 - Room 1	1	937
528 S. Raymond Ave.	528-7	Mastic, yellow/black	N	HM2 - Room 1		

Hazardous Materials Survey - Raymond Avenue Grade Separation Project
AMEC Project No. 4953-13-0341

June 4, 2013

Table 2
Summary of Asbestos Materials

Property Address	Sample No.	Material Description	Friable	Sample Location Description	Affected Area (room #)	Quantity (sq. ft.)
532 S. Raymond Ave.	532-2b	Joint compound	N	HM1 - Room 8	1,2,3,4,7,8	2848
532 S. Raymond Ave.	532-3b	Joint compound	N	HM1 - Room 7		
532 S. Raymond Ave.	532-4b	Joint compound	N	HM1 - Room 4		
532 S. Raymond Ave.	532-5b	Joint compound	N	HM1 - Room 1		
532 S. Raymond Ave.	532-6b	Joint compound	N	HM2 - Room 6	6,9	774
532 S. Raymond Ave.	532-7b	Joint compound	N	HM2 - Room 6		
532 S. Raymond Ave.	532-8b	Joint compound	N	HM2 - Room 6		
532 S. Raymond Ave.	532-9a	Sheet vinyl flooring, white/brown	N	HM3 - Room 8	8	20
532 S. Raymond Ave.	532-10a	Sheet vinyl flooring, gray	N	HM3 - Room 8		
532 S. Raymond Ave.	532-17b	Floor tile, white, under carpet	N	HM7 - Room 2	1,2	342
532 S. Raymond Ave.	532-17c	Floor tile mastic, black	N	HM7 - Room 2		
532 S. Raymond Ave.	532-18b	Floor tile, white, under carpet	N	HM7 - Room 2		
532 S. Raymond Ave.	532-18c	Floor tile, mastic, black	N	HM7 - Room 2		
535 S. Raymond Ave.	535-3	Joint compound	N	HM 1 - Room 1	1,2,4	257
535 S. Raymond Ave.	535-4	Joint compound	N	HM 1 - Room 1		
535 S. Raymond Ave.	535-5	Joint compound	N	HM 1 - Room 4		
535 S. Raymond Ave.	535-10	Floor tile, beige/yellow	N	HM 4 - Room 2	2	100
535 S. Raymond Ave.	535-11	Floor tile, beige/yellow	N	HM 4 - Room 2		
535 S. Raymond Ave.	535-12	Linoleum, grey/black	N	HM 5 - Room 3	3, 4	50
535 S. Raymond Ave.	535-13	Linoleum, grey/black	N	HM 5 - Room 4		
535 S. Raymond Ave.	535-25	Roof penetration mastic, black	N	HM11 - Roof	Roof	33
535 S. Raymond Ave.	535-26	Roof penetration mastic, black	N	HM11 - Roof		
535 S. Raymond Ave.	535-27	Roof duct mastic, black	N	HM12 - Roof	Roof	18
535 S. Raymond Ave.	535-28	Roof duct mastic, black	N	HM12 - Roof		
535 S. Raymond Ave.	535-29	Roof skylight mastic, black	N	HM13 - Roof	Roof	288
535 S. Raymond Ave.	535-30	Roof skylight mastic, black	N	HM13 - Roof		

Hazardous Materials Survey - Raymond Avenue Grade Separation Project
 AMEC Project No. 4953-13-0341

June 4, 2013

Table 2
Summary of Asbestos Materials

Property Address	Sample No.	Material Description	Friable	Sample Location Description	Affected Area (room #)	Quantity (sq. ft.)
522-532 S. Raymond Ave.	532-1	Roof silver penetration mastic	N	HM1 - Roof	Roof	237
522-532 S. Raymond Ave.	526-2	Roof silver penetration mastic	N	HM1 - Roof		
522-532 S. Raymond Ave.	528-5	Roof gray penetration mastic	N	HM3 - Roof		
522-532 S. Raymond Ave.	528-6	Roof gray penetration mastic	N	HM3 - Roof		

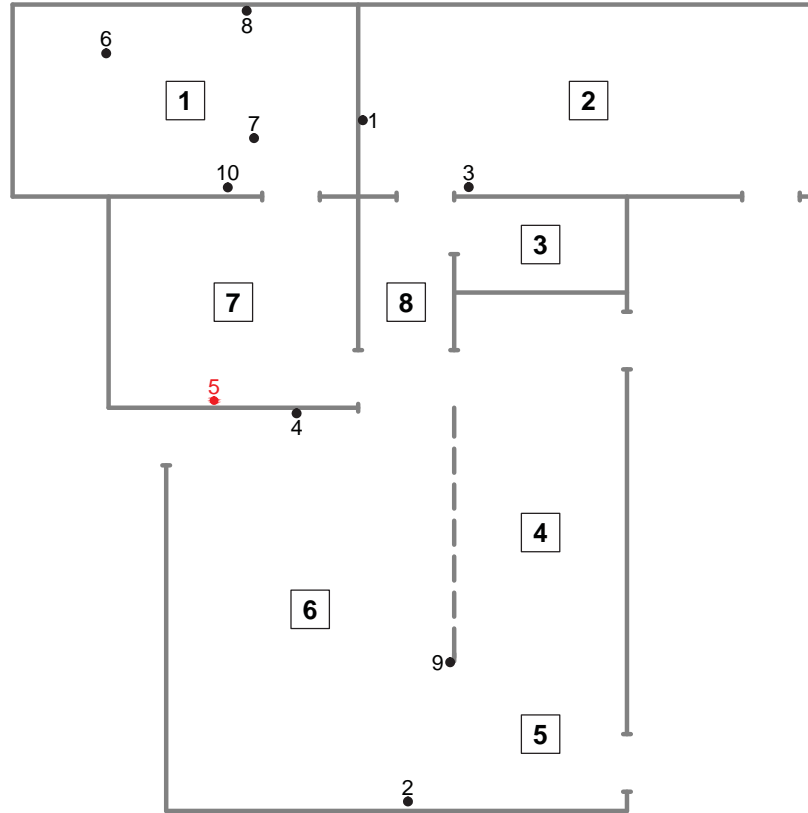
Table Notes:

522 S. Raymond Ave., No ACM

524 S. Raymond Ave., No ACM

Room numbers were marked on walls and are shown on the attached figures

FIGURES



Notes:

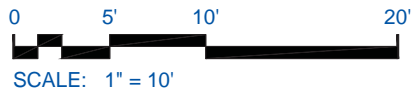
[X] Room number

● Positive asbestos sample result and number

● Suspect asbestos-containing material sample and number

* Positive roof penetration mastic, see table

--- Half wall



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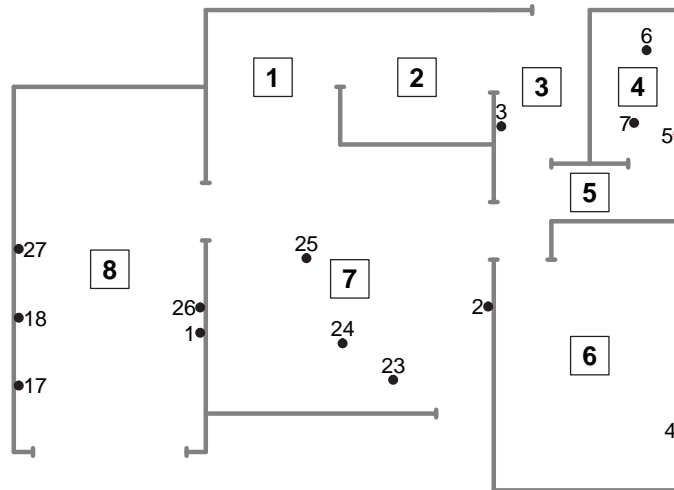
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1128 E. WALNUT AVENUE
 FULLERTON, CALIFORNIA

LT/LNG:	
SCALE:	1" = 10'
DRAWN:	VMN
CHKD:	D. Harman
PM:	N. Newlander
DATE:	5/1/2013

FLOOR PLAN
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FIGURE NO.
1
 PROJECT:
 4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result and number
- Suspect asbestos-containing material sample and number
- * Positive roof penetration mastic, see table



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DATE:	5/1/2013

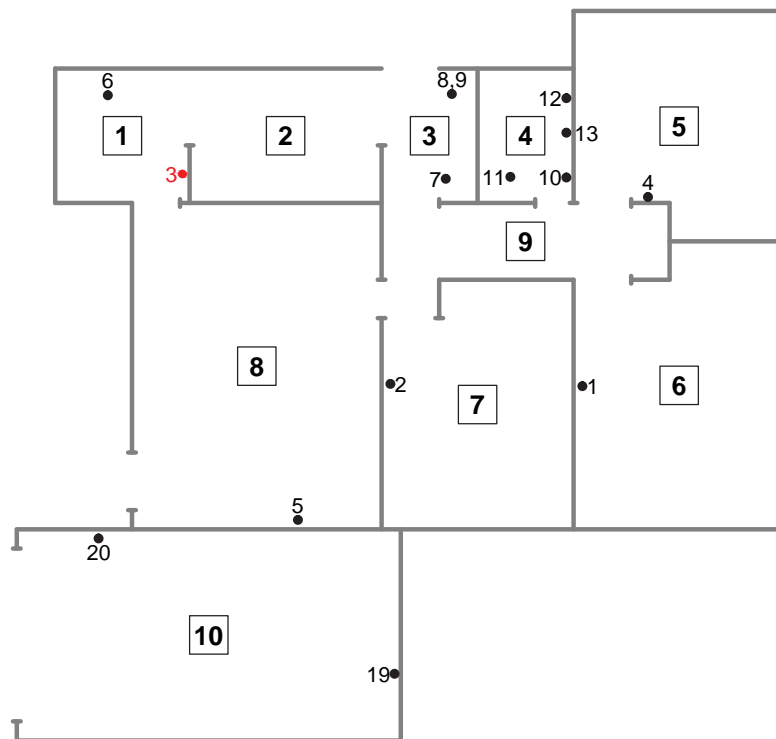
FLOOR PLAN
 EXHIBIT J-1 Page 29 of 174

FIGURE NO.

2

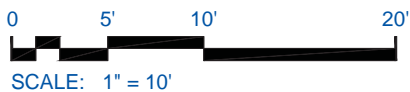
PROJECT:

4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result and number
- Suspect asbestos-containing material sample and number
- * Positive roof penetration mastic, see table



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CHKD:	D. Harman
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DATE:	5/1/2013

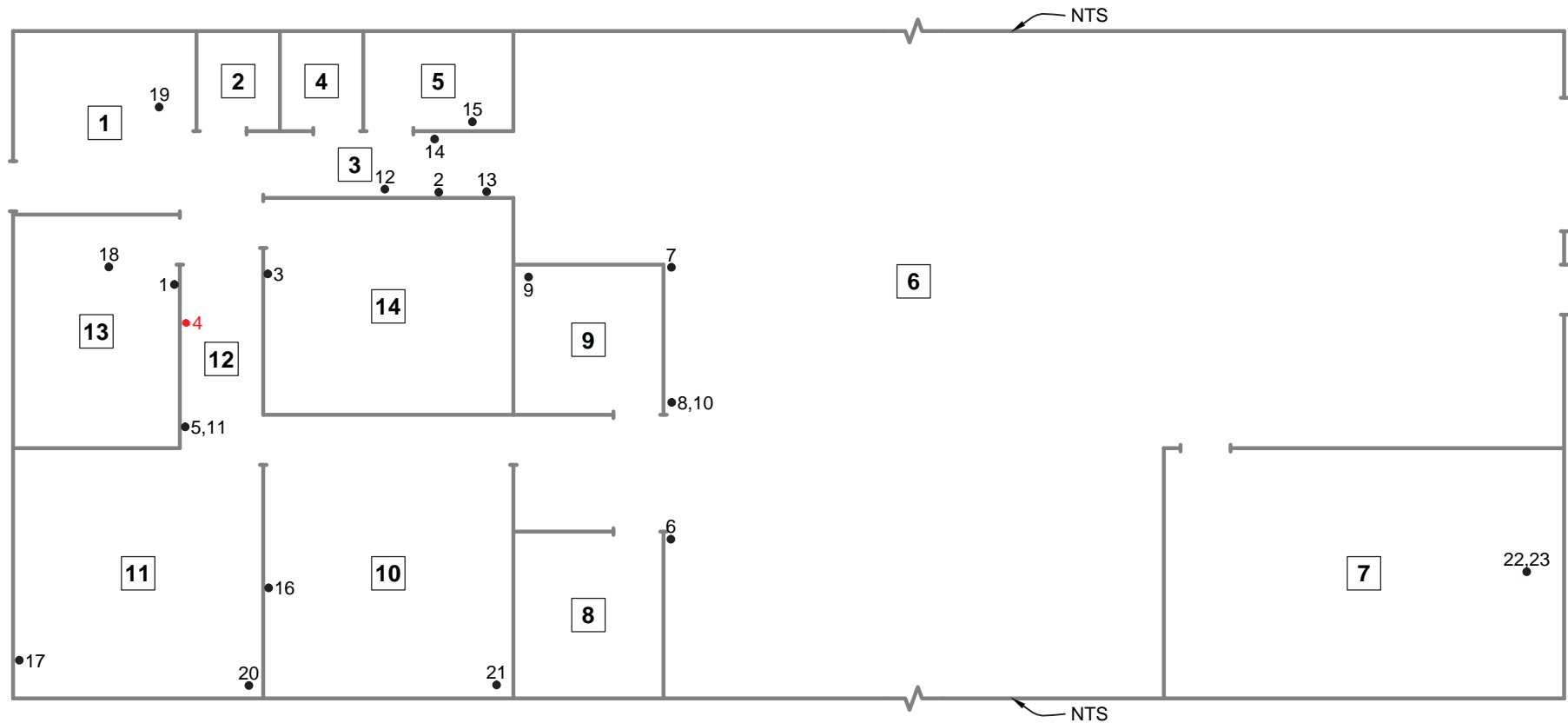
FLOOR PLAN
 EXHIBIT J-1 Page 30 of 174

FIGURE NO.

3

PROJECT:

4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result and number
- Suspect asbestos-containing material sample and number
- * Positive roof penetration mastic, see table



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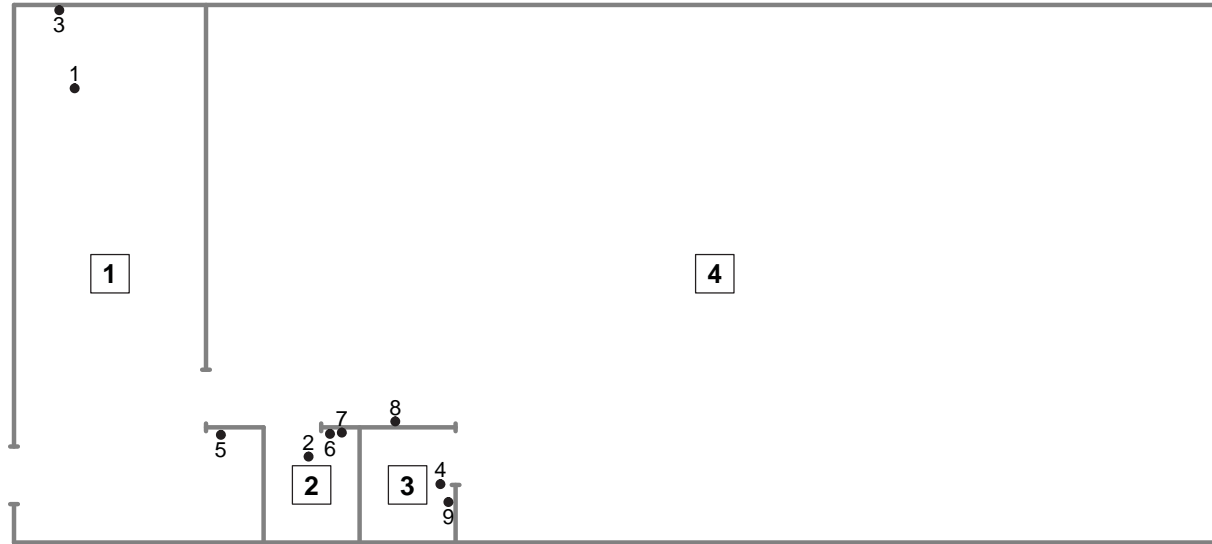
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503 S. RAYMOND AVENUE
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DATE:	5/1/2013

FLOOR PLAN
 EXHIBIT J-1 Page 31 of 174

FIGURE NO.	4
PROJECT:	4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result and number
- Suspect asbestos-containing material sample and number
- * Positive roof penetration mastic, see table



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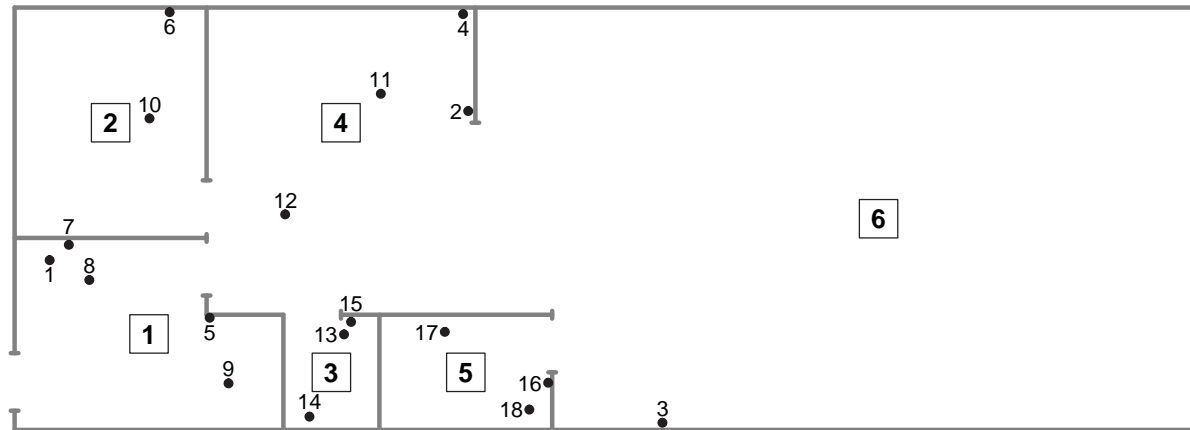
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522 S. RAYMOND AVENUE
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LT, LNG:	
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DATE:	5/1/2013

FLOOR PLAN
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FIGURE NO.
5
 PROJECT:
 4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result and number
- Suspect asbestos-containing material sample and number
- * Positive roof penetration mastic, see table



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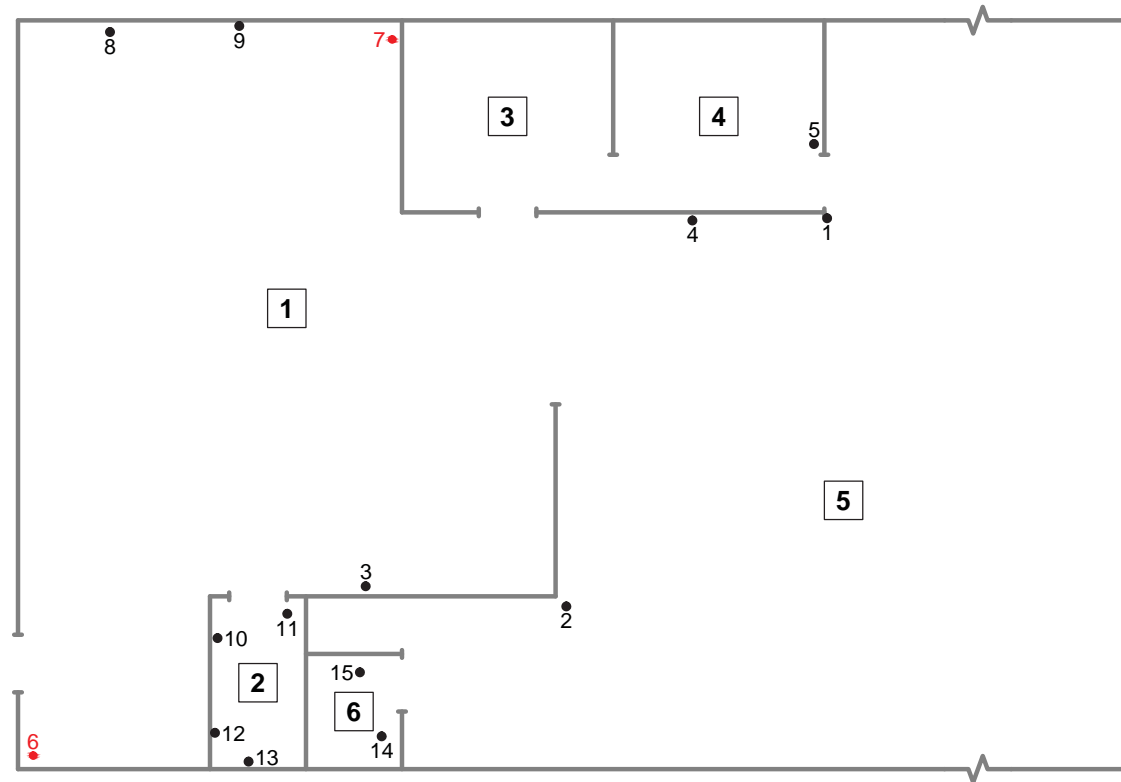
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PM:	N. Nwelandar
DATE:	5/1/2013

FLOOR PLAN
 EXHIBIT J-1 Page 33 of 174

FIGURE NO.
6
 PROJECT:
 4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result and number
- Suspect asbestos-containing material sample and number
- * Positive roof penetration mastic, see table



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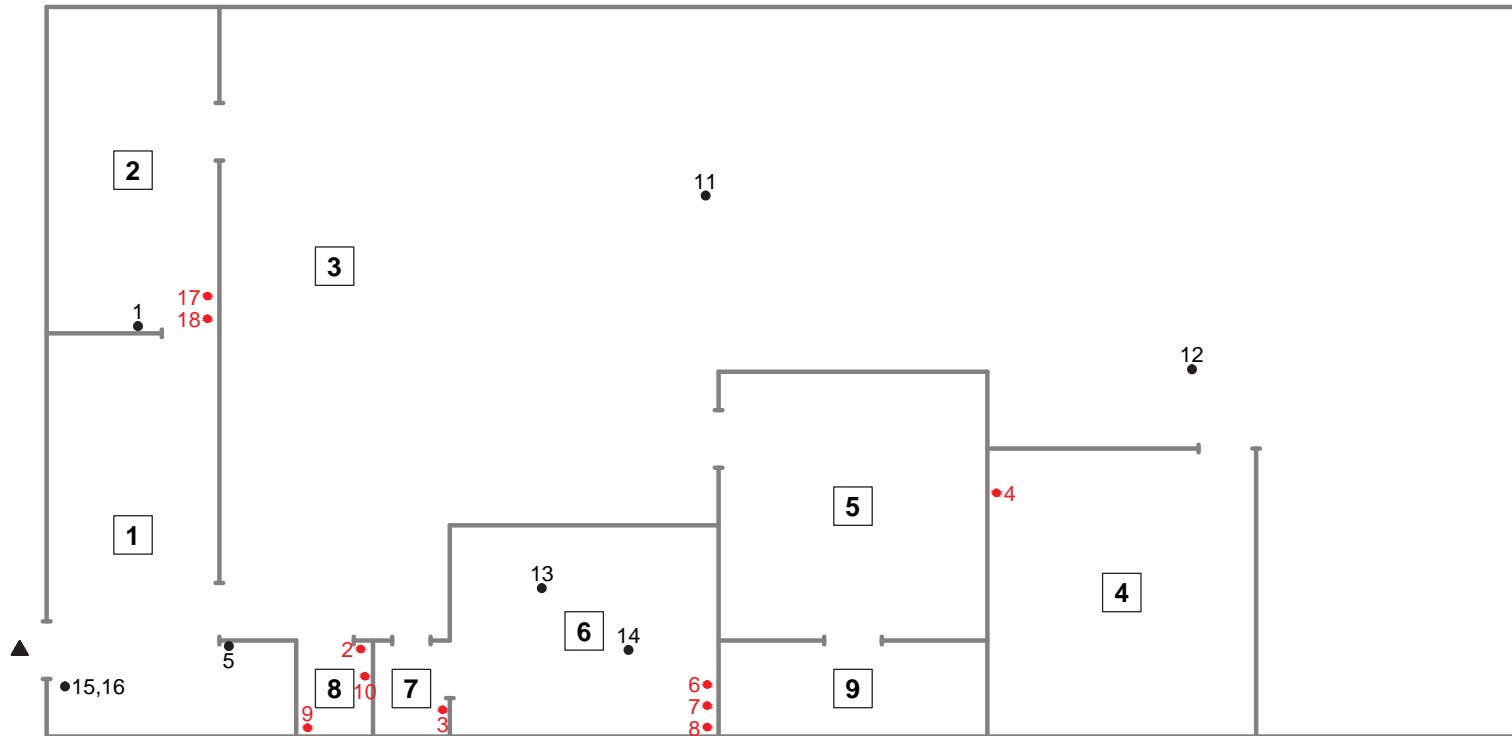
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CHKD:	D. Harman
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DATE:	5/1/2013

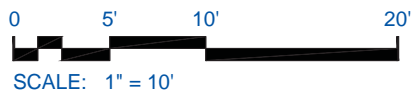
FLOOR PLAN
 EXHIBIT J-1 Page 34 of 174

FIGURE NO.
7
 PROJECT:
 4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result and number
- Suspect asbestos-containing material sample and number
- * Positive roof penetration mastic, see table
- ▲ Positive lead-based point result



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DATE:	5/1/2013

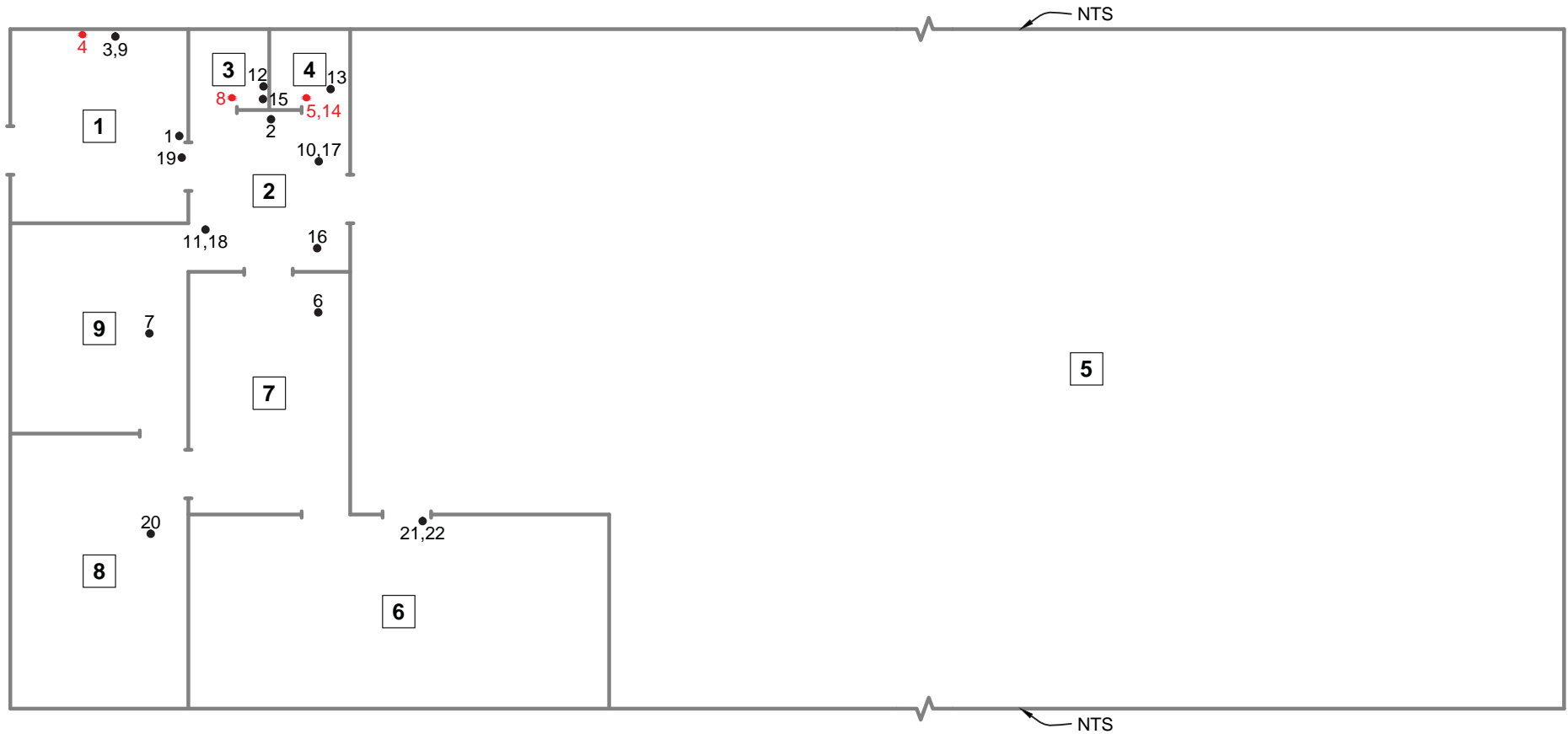
FLOOR PLAN
 EXHIBIT J-1 Page 35 of 174

FIGURE NO.

8

PROJECT:

4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result and number
- Suspect asbestos-containing material sample and number
- * Positive roof penetration mastic, see table



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FLOOR PLAN
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FIGURE NO.
9
 PROJECT:
 4953-13-0341

APPENDIX A

LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY FORMS

**EMS LABORATORIES INC.**

117 W. Bellevue Drive, Pasadena, CA 91105-2548 626-568-4065

National Institute of Standards and Technology (NIST) NVLAP Lab Code 101218-0
 California Department of Health Services Environmental Testing Laboratory ELAP 1119
 County Sanitation Districts of Los Angeles County ID No. 10120
 Nevada Environmental Laboratory Certification CA00245

CUSTOMER: AMEC E&I
 5628 E. Slauson
 Los Angeles CA 90040
 CONTACT: Don Harman
 REFERENCE: 4953-13-0341
 METHOD: EPA 600/R-93/116

PAGE #: 1 of 13
 REPORT #: 0156090
 PROJECT: PLM ANALYSIS
 DATE COLLECTED: 04/09/2013
 COLLECTED BY:
 DATE RECEIVED: 04/15/2013
 ANALYSIS DATE: 04/16/2013

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156090-001 1131-1a	LAYER 1 Plaster (1a), White/brown, Non-homogeneous, Granular/fibrous, crush,tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 70%	None Detected	Cellulose Fiber 10% Non-Fibrous Material 90%
	LAYER 2 Button Board (1b), pink/brown, Non-homogeneous, granular/fibrous, crush, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 2 30%	None Detected	Cellulose Fiber 15% Non-Fibrous Material 85%
0156090-002 1131-2a	Plaster, white/white/green/gray, Non-homogeneous, paint/granular/granular/granular, ash, crush, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-003 1131-3a	LAYER 1 Plaster (3a), white/brown, Non-homogeneous, granular/fibrous, crush, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 20%	None Detected	Cellulose Fiber 10% Non-Fibrous Material 90%
	LAYER 2 Buttom board (3b), Pink/brown, Non-homogeneous, granular/fibrous, crush, tease, non-friable Note: 24°C	LAYER 2 80%	None Detected	Cellulose Fiber 15% Non-Fibrous Material 85%

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Los Angeles CA 90040

PAGE #: 2 of 13
REPORT #: 0156090
PROJECT: PLM ANALYSIS

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156090-004 1131-4a	LAYER 1 Plaster (4a), white/brown, Non-homogeneous, granular/fibrous, crush, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 70%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
	LAYER 2 Tan/green, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 2 20%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
	LAYER 3 White, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C, 1.55 Oil	LAYER 3 10%	None Detected	Non-Fibrous Material 100%
0156090-005 1131-5a	Plaster (5a), white/gray, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	Chrysotile <1%	Non-Fibrous Material 100%
0156090-006 1131-6	LAYER 1 Floor Tile (6a), Black, Homogeneous, Granular, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 80%	None Detected	Synthetic Fiber <1% Non-Fibrous Material 100%
	LAYER 2 Mastic (6b), Yellow, Homogeneous, sticky, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 20%	None Detected	Cellulose Fiber 3% Non-Fibrous Material 97%
0156090-007 1131-7	LAYER 1 Floor tile (7a), Black, Homogeneous, Granular, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 85%	None Detected	Synthetic Fiber 1% Non-Fibrous Material 99%
	LAYER 2 Mastic (7b), Yellow, Homogeneous, sticky, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 15%	None Detected	Cellulose Fiber 3% Non-Fibrous Material 97%

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Los Angeles CA 90040

PAGE #: 3 of 13
REPORT #: 0156090
PROJECT: PLM ANALYSIS

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156090-008 1131-8	Shingle, Black, Homogeneous, tar like/fibrous, melt, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material	5% 95%
0156090-009 1131-9	Comp. Roof, Black, Non-homogeneous, tar like/fibrous, melt, tease, non-friable Note: 23°C, 1.55 Oil	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material	5% 95%
0156090-010 1131-10	Roof pan, brown/black/gray, Non-homogeneous, paint/tar/rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	Chrysotile	15%	Non-Fibrous Material	85%
0156090-011 1131-11	Roof pan, Black, Homogeneous, tar, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Organic Matrix	3% 97%
0156090-012 1131-12	Stucco, white/yellow/pink, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156090-013 1131-13	Stucco, white/yellow/pink/gray, Non-homogeneous, paint/granular/granular/granular, ash, crush, acid, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156090-014 1131-14	Stucco, White/yellow/pink/granular, Non-homogeneous, paint/granular/granular/granular, ash, crush, acid, non-friable Note: 24°C	LAYER 1 100%	Chrysotile	<1%	Non-Fibrous Material	100%

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Los Angeles CA 90040

PAGE #: 4 of 13
REPORT #: 0156090
PROJECT: PLM ANALYSIS

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156090-015 1131-15	Stucco, White/yellow/pink/gray, Non-homogeneous, paint/granular/granular/granular, ash, crush, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-016 1131-16	Stucco, White/yellow/pink/gray, Non-homogeneous, paint/granular/granular/granular, ash, crush, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-017 1131-17	Felt, Black, Homogeneous, tar/fibrous, melt, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 55% Organic Matrix 45%
0156090-018 1131-18	Felt, Black, Homogeneous, tar like/fibrous, melt, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 50% Organic Matrix 50%
0156090-019 1131-19	Window Caulk, White, Non-homogeneous, paint/solid, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-020 1131-20	Window Caulk, White, Non-homogeneous, paint/solid, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-021 1131-21	Blown-in Insulation, Gray, Homogeneous, Fibrous, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 20% Fibrous Glass 70% Hair 1% Non-Fibrous Material 9%

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Los Angeles CA 90040

PAGE #: 5 of 13
REPORT #: 0156090
PROJECT: PLM ANALYSIS

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156090-022 1131-22	Blown-in Insulation, Gray, Homogeneous, Fibrous, tease, non- friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 5% Fibrous Glass 90% Non-Fibrous Material 5%
0156090-023 1132-1	LAYER 1 Plaster - Substrate(1a), White, Homogeneous, Granular, crush, non-friable Note: 23°C, 1.55 Oil	LAYER 1 60%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Button Board (1b), Pink, Homogeneous, Powdery, crush, non-friable Note: RI Oil 1.55, 24°C	LAYER 2 40%	None Detected	Cellulose Fiber 2% Non-Fibrous Material 98%
0156090-024 1132-2	Plaster (2a), White, Homogeneous, Granular, crush, non-friable Note: 23°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156090-025 1132-3	LAYER 1 Plaster (3a), White/pink/tan, Homogeneous, granular/granular/paint, ash, acid, non-friable Note: 23°C, 1.55 Oil 23°C	LAYER 1 50%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
	LAYER 2 Plaster (3b), gray/gray/white, Non- homogeneous, paint/granular/granular, ash, acid, non-friable Note: 23°C	LAYER 2 50%	Chrysotile <1%	Non-Fibrous Material 100%

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PROJECT: PLM ANALYSIS

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156090-026 1132-4	LAYER 1 Plaster (4a), Pink/white, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 23°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Plaster (4b), White, Homogeneous, Powdery, crush, non-friable Note: RI Oil 1.55, 24°C	LAYER 2 100%	None Detected		Perlite Non-Fibrous Material	25% 75%
0156090-027 1132-5	LAYER 1 Plaster (5a), gray/peach/white, Non-homogeneous, paint/granular/granular, ash, acid, non-friable Note: 23°C	LAYER 1 100%	Chrysotile	<1%	Non-Fibrous Material	100%
	LAYER 2 Plaster (5b), yellow/light gray/white, Non-homogeneous, paint/granular/granular, ash, acid, non-friable Note: 23°C	LAYER 2 100%	Chrysotile	<1%	Non-Fibrous Material	100%
0156090-028 1132-6	LAYER 1 6ab, Beige, Non-homogeneous, rubbery, fibrous, ash, non-friable Note: RI Oil 1.55, 24°C	LAYER 1 50%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	2% 3% 95%
	LAYER 2 6cd, Beige, yellow, gray, Non-homogeneous, rubbery, fibrous, ash, non-friable Note: RI Oil 1.55, 24°C	LAYER 2 50%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	4% 3% 93%

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156090-029 1132-7	LAYER 1 7ab, Beige, Non-homogeneous, rubbery, fibrous, ash, non-friable Note: RI Oil 1.55, 24°C	LAYER 1 50%	None Detected	Cellulose Fiber 2% Fibrous Glass 3% Non-Fibrous Material 95%
	LAYER 2 7cd, Beige, yellow, gray, Non- homogeneous, rubbery, fibrous, ash, non-friable Note: RI Oil 1.55, 24°C	LAYER 2 50%	None Detected	Cellulose Fiber 5% Fibrous Glass 2% Non-Fibrous Material 93%
0156090-030 1132-8	gray, brown, Homogeneous, solid, crush, acid, non-friable Note: 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-031 1132-9	gray, brown, Homogeneous, solid, crush, acid, non-friable Note: 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-032 1132-10	10ab, Beige, tan, Non- homogeneous, rubbery, fibrous, ash, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Fibrous Glass 3% Cellulose Fiber <1% Non-Fibrous Material 97%
0156090-033 1132-11	11ab, Beige, tan, Non- homogeneous, rubbery, fibrous, ash, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Fibrous Glass 3% Cellulose Fiber <1% Non-Fibrous Material 97%
0156090-034 1132-12	White, tan, Non-homogeneous, solid, rubbery, ash, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-035 1132-13	White, tan, Non-homogeneous, solid, rubbery, ash, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156090-036 1132-14	Beige, gray, Non-homogeneous, Granular, crush, acid, non-friable Note: 26°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-037 1132-15	Beige, gray, Non-homogeneous, Granular, crush, acid, non-friable Note: 26°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-038 1132-16	Beige, gray, Non-homogeneous, Granular, crush, acid, non-friable Note: 26°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-039 1132-17	Beige, gray, Non-homogeneous, Granular, crush, acid, non-friable Note: 26°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-040 1132-18	Beige, gray, Non-homogeneous, Granular, crush, acid, non-friable Note: 26°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-041 1132-19	Black, Non-homogeneous, fibrous, tar like, tease, melt, non-friable Note: RI Oil 1.55, 26°C	LAYER 1 100%	None Detected	Cellulose Fiber 50% Non-Fibrous Material 10% Organic Matrix 40%
0156090-042 1132-20	Black, Non-homogeneous, fibrous, tar like, tease, melt, non-friable Note: RI Oil 1.55, 26°C	LAYER 1 100%	None Detected	Cellulose Fiber 50% Non-Fibrous Material 10% Organic Matrix 40%
0156090-043 1132-21	Black, Non-homogeneous, fibrous, tar like, melt, non-friable Note: RI Oil 1.55, 26°C	LAYER 1 100%	None Detected	Fibrous Glass 2% Non-Fibrous Material 25% Organic Matrix 73%

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156090-044 1132-22	Black, Non-homogeneous, fibrous, tar like, melt, non-friable Note: RI Oil 1.55, 26°C	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material Organic Matrix	2% 25% 73%
0156090-045 1132-23	Beige, Homogeneous, Fibrous, tease, non-friable Note: RI Oil 1.55, 26°C	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material	100% <1%
0156090-046 1132-24	Beige, Homogeneous, Fibrous, tease, non-friable Note: RI Oil 1.55, 26°C	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material	100% <1%
0156090-047 1132-25	Black, Non-homogeneous, fibrous, tar like, tease, melt, non-friable Note: RI Oil 1.55, 27°C	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material Organic Matrix	20% 5% 75%
0156090-048 1132-26	Black, gray, Non-homogeneous, fibrous, tar like, melt, non-friable Note: RI Oil 1.55, 27°C	LAYER 1 100%	Chrysotile	10%	Non-Fibrous Material Organic Matrix	5% 85%
0156090-049 1128-1a	Beige, Homogeneous, solid, crush, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156090-050 1128-2a	Missing	LAYER 1 100%				
0156090-051 1128-3	Missing	LAYER 1 100%				
0156090-052 1128-4	Missing	LAYER 1 100%				

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Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156090-053 1128-5	Missing	LAYER 1 100%		
0156090-054 1128-6	Beige, gray, Non-homogeneous, rubbery, fibrous, ash, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Cellulose Fiber 5% Fibrous Glass <1 Non-Fibrous Material 95%
0156090-055 1128-7	Beige, gray, Non-homogeneous, rubbery, fibrous, ash, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Cellulose Fiber 5% Fibrous Glass 2% Non-Fibrous Material 93%
0156090-056 1128-8a	White, Homogeneous, Powdery, crush, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156090-057 1128-9a	White, Homogeneous, Powdery, crush, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156090-058 1128-10b	Beige, Homogeneous, Powdery, acid, non-friable Note: 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-059 1128-11	Gray, white, Non-homogeneous, solid, skim coat, crush, acid, non- friable Note: 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-060 1128-12	Gray, white, Non-homogeneous, solid, skim coat, crush, acid, non- friable Note: 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156090-061 1128-13	Gray, white, Non-homogeneous, solid, skim coat, crush, acid, non- friable Note: 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-062 1128-14	Gray, white, Non-homogeneous, solid, skim coat, crush, acid, non- friable Note: 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-063 1128-15	Gray, white, Non-homogeneous, solid, skim coat, crush, acid, non- friable Note: 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-064 1128-16	Black, Non-homogeneous, fibrous, tar like, melt, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Fibrous Glass 3% Non-Fibrous Material 30% Organic Matrix 67%
0156090-065 1128-17	Black, Non-homogeneous, fibrous, tar like, melt, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Fibrous Glass 5% Non-Fibrous Material 30% Organic Matrix 65%
0156090-066 1128-18	Black, Non-homogeneous, fibrous, tar like, melt, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Cellulose Fiber 25% Non-Fibrous Material 3% Organic Matrix 72%
0156090-067 1128-19	Black, Homogeneous, tar like, melt, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material <1% Organic Matrix 100%
0156090-068 1128-20	White, Homogeneous, Fibrous, tease, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Cellulose Fiber 2% Fibrous Glass 98% Non-Fibrous Material <1%

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156090-069 1128-21	White, Homogeneous, Fibrous, tease, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Cellulose Fiber 2% Fibrous Glass 98% Non-Fibrous Material <1%
0156090-071 1132-1b	Button Board, pink/brown, Non- homogeneous, granular/fibrous, crush, tease, non-friable Note: 23°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 10% Non-Fibrous Material 90%
0156090-072 1132-2b	Button Board, Pink/brown, Non- homogeneous, granular/fibrous, crush, tease, non-friable Note: 23°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 15% Non-Fibrous Material 85%
0156090-073 1128-1b	Pink, Homogeneous, Powdery, crush, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156090-074 1128-2b	Missing	LAYER 1 100%		
0156090-075 1128-8b	Beige, Homogeneous, Powdery, acid, non-friable Note: 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156090-076 1128-9b	Beige, Homogeneous, Powdery, acid, non-friable Note: 25°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%

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Analyst - JEFF WAN

Approved Signatory Laboratory Director

The EPA method is a semi-quantitative procedure. The detection limit is between 0.1-1% by area and dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material. The test results reported are for the sample(s) delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken from a "homogeneous sampling area" before friable material is considered non-asbestos-containing. Negative floor tile samples may contain significant amounts (>1%) of very thin fibers which cannot be detected by PLM. Confirmation by TEM is recommended by the EPA (Federal Register Vol.59, No.146). Asbestos fibers bound in a non-friable organic matrix may not be detected by PLM. Alternative preparation methods are recommended. This report, from a NIST-accredited laboratory through NVLAP, must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. government. This report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Samples were received in good condition unless otherwise noted.



NVLAP Lab Code: 101218-0

SUBMITTAL FORM/Laboratory Services

156090

PAGE ☐ OF ☐TURNAROUND TIME: STD ☐ 48 HR. ☒ 24 HR. ☐<8 HR. ☐ WKND ☐ OTHER: ☐♦ CLIENT AMEC E&I♦ ADDRESS 6001 RickenbackerLA CA 90040♦ TELEPHONE 323 889 5378♦ CONTACT Don Harman♦ RELINQUISHED BY Don Harman♦ TIME / DATE 4/14/13♦ DATE OF SHIPMENT ☐ CARRIER Box♦ CLIENT P.O. NO. ☐♦ CLIENT JOB/PROJECT ID NO(S). 4953-13-0341♦ PACKAGE SHIPPED FROM ☐♦ RESULTS REQUESTED VIA VERBAL ☐ FAX ☐♦ CLIENT ~~FAX NO.~~ Email don.harman@amec.com

(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)

♦ DATE/TIME OF SAMPLE COLLECTION 4/9/13 PM♦ SAMPLE PRESERVATIVES None HOLDING TIMES N/A♦ NO. OF SAMPLES SENT 1 SAMPLER'S NAME /

SIGNATURE

PRINTED

♦ TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER PLM

(FOR EMS ONLY)

EMS Sample No.

156090-1

✓ 70

CLIENT SAMPLE NO.

1-22

1-26

1-22

DESCRIPTION/LOCATION/ANALYSIS

1131 E. Walnut

1132 E. Walnut

1128 E. Walnut

Suspect

VOLUME

TIME WEIGHT
(IF APPLICABLE)

Acml/20

"

"

15 lines

♦ Laboratory No. 156090♦ Received By R. Galvez ♦ Time 7:00♦ Date of Package Delivery 4/15/2013♦ Shipping Bill Retained: YES ☐ NONE ☒♦ Condition of Package on Receipt OK♦ Condition of Custody Seal NONE

(NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and the shipper.)

♦ No. of Samples 70♦ Chain-of-Custody Signature U/15/2013♦ Date of Receipt 4/15/2013♦ Misc. Info. EXHIBIT J-1 Page 51 of 174♦ Disposition of Samples EMS LABS

(SF 5/00)

FOR EMS ONLY



EMS LABORATORIES INC.

117 W. Bellevue Drive, Pasadena, CA 91105-2548 626-568-4065

National Institute of Standards and Technology (NIST) NVLAP Lab Code 101218-0
 California Department of Health Services Environmental Testing Laboratory ELAP 1119
 County Sanitation Districts of Los Angeles County ID No. 10120
 Nevada Environmental Laboratory Certification CA00245

CUSTOMER: AMEC E&I
 5628 E. Slauson
 Los Angeles CA 90040

CONTACT: Don Harman

REFERENCE: 4953-13-0341

METHOD: EPA 600/R-93/116

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REPORT #: 0156124

PROJECT: PLM ANALYSIS

DATE COLLECTED: 04/15/2013

COLLECTED BY: don harman

DATE RECEIVED: 04/17/2013

ANALYSIS DATE: 04/22/2013

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156124-001 522-1ab	LAYER 1 Floor Tile, Pink, Homogeneous, Granular, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 95%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Black/brown, Non- homogeneous, tar like/sticky, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 5%	None Detected	Non-Fibrous Material 100%
0156124-002 522-2ab	LAYER 1 Floor Tile, Pink, Homogeneous, Granular, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 85%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
	LAYER 2 Mastic, black/yellow, Non- homogeneous, tar like/sticky, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 15%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156124-003 522-3ab	LAYER 1 Baseboard, Brown, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 1 50%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Beige, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 2 50%	None Detected	Non-Fibrous Material 100%

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156124-004 522-4ab	LAYER 1 Cove Base, Brown, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 1 50%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
	LAYER 2 Mastic, Beige, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 2 50%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156124-005 522-5a	DW, White, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
0156124-006 522-5b	JC, White, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
0156124-007 522-6a	DW, White/brown, Non- homogeneous, Granular/fibrous, crush, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 10% Non-Fibrous Material 90%
0156124-008 522-6b	JC, White, Homogeneous, Granular, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-009 522-7b	JC, White, Homogeneous, Granular, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-010 522-8b	JC, White, Non-homogeneous, Paint/fibrous, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156124-011 524-9b	JC, White, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-012 524-1a	DW, White, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156124-013 524-1b	JC, White, Homogeneous, Granular, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156124-014 524-2a	DW, White, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber <1% Fibrous Glass <1% Non-Fibrous Material 100%
0156124-015 524-2b	JC, White/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-016 524-3b	JC, white/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-017 524-4b	JC, white/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-018 524-5b	JC, White, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156124-019 524-6ab	LAYER 1 CB, Black, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 1 80%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Yellow, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 2 20%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156124-020 524-7ab	LAYER 1 CB, Black, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 1 40%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Yellow, Homogeneous, Rubbery, Ash, non-friable Note: 24°C, 1.55 Oil	LAYER 2 60%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156124-021 524-8	C.Tex, White, Non-homogeneous, paint/granular, ash, acid, friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-022 524-9	C.Tex, White, Non-homogeneous, paint/granular, ash, acid, friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-023 524-10	C.Tex, White, Non-homogeneous, paint/granular, ash, acid, friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-024 524-11	C.tile, White/gray, Homogeneous, paint/fibrous, ash, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 60% Fibrous Glass 15% Non-Fibrous Material 25%

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Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156124-025 524-12	C.Tile, White/gray, Non-homogeneous, paint/fibrous, ash, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 60% Fibrous Glass 20% Non-Fibrous Material 20%
0156124-026 524-13ab	LAYER 1 Floor Tile, Pink, Homogeneous, Granular, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 95%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Brown, Non-homogeneous, solid/sticky, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 5%	None Detected	Non-Fibrous Material 100%
0156124-027 524-14ab	LAYER 1 Floor Tile, Pink, Homogeneous, Granular, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 80%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Brown, Non-homogeneous, solid/sticky, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 20%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156124-028 524-15	LAYER 1 CB, Brown, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 1 60%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Beige, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 2 40%	None Detected	Non-Fibrous Material 100%

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Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156124-029 524-16ab	LAYER 1 CB, Brown, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 1 20%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
	LAYER 2 Mastic, Beige/white, Non- homogeneous, Rubbery/paint, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 2 80%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156124-030 524-17ab	LAYER 1 Floor Tile, Beige, Homogeneous, Granular, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 95%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Brown, Homogeneous, sticky, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 5%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156124-031 528-18ab	LAYER 1 Floor Tile, Beige, Homogeneous, Granular, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 80%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Brown, Non-homogeneous, solid/sticky, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 20%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156124-032 528-1a	DW, white/brown, Non- homogeneous, granular/fibrous, crush, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 10% Non-Fibrous Material 90%
0156124-033 528-2a	DW, White, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%

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Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156124-034 528-2b	JC, White, Homogeneous, Fibrous, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156124-035 528-3b	JC, White, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C, 1.55 Oil 24°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156124-036 528-4b	JC, White, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156124-037 528-5b	JC, White, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156124-038 528-6	Mastic, Brown/black, Non- homogeneous, sticky/tar like, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	Chrysotile	2%	Cellulose Fiber Non-Fibrous Material	1% 97%
0156124-039 528-7	Mastic, Yellow/black, Non- homogeneous, sticky/tar like, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	Chrysotile	2%	Cellulose Fiber Non-Fibrous Material	1% 97%
0156124-040 528-8	Particle Board, Brown, Homogeneous, Fibrous, tease, non- friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber	100%
0156124-041 528-9	Particle Board, White/brown, Non- homogeneous, paint/fibrous, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	80% 20%

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Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156124-042 528-10ab	LAYER 1 CB, Brown, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 1 30%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, White, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 2 70%	None Detected	Non-Fibrous Material 100%
0156124-043 528-11ab	LAYER 1 CB, Brown, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 1 40%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
	LAYER 2 Mastic, White, Non-homogeneous, Rubbery/granular, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 2 60%	None Detected	Non-Fibrous Material 100%
0156124-044 528-12ab	LAYER 1 CB, Brown, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 1 90%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Brown, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 2 10%	None Detected	Non-Fibrous Material 100%
0156124-045 528-13ab	LAYER 1 CB, Brown/white, Non- homogeneous, Rubbery/paint, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 1 90%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
	LAYER 2 Mastic, Brown, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 2 10%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%

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Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156124-046 528-14	floor tile mastic, Gray/brown, Homogeneous, Rubbery, ash, non- friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
0156124-047 528-15	Floor tile mastic, Gray/brown, Homogeneous, Rubbery, ash, non- friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
0156124-048 532-1a	DW, Beige, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
0156124-049 532-2a	DW, White, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	3% 97%
0156124-050 532-2b	JC, White/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	Chrysotile	2%	Non-Fibrous Material	98%
0156124-051 532-3b	JC, White/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	Chrysotile	2%	Non-Fibrous Material	98%
0156124-052 532-4b	JC, White/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	Chrysotile	2%	Non-Fibrous Material	98%
0156124-053 532-5b	JC, Beige, Homogeneous, Granular, acid, non-friable Note: 24°C	LAYER 1 100%	Chrysotile	<1%	Non-Fibrous Material	100%

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Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156124-054 532-6a	DW, White/brown, Non-homogeneous, granular/fibrous, crush, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	15% 85%
0156124-055 532-6b	JC, White/brown, Non-homogeneous, Granular/paint, ash, acid, non-friable Note: 24°C	LAYER 1 100%	Chrysotile	2%	Non-Fibrous Material	98%
0156124-056 532-7a	DW, White, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
0156124-057 532-7b	JC, white/brown, Homogeneous, granular/paint, ash, acid, non-friable Note: 24°C	LAYER 1 100%	Chrysotile	2%	Non-Fibrous Material	98%
0156124-058 532-8b	JC, White/brown, Non-homogeneous, granular/paint, ash, acid, non-friable Note: 24°C	LAYER 1 100%	Chrysotile	2%	Non-Fibrous Material	98%
0156124-059 532-9ab	LAYER 1 SV, Gray, Homogeneous, Fibrous, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 90%	Chrysotile	40%	Non-Fibrous Material	60%
	LAYER 2 Mastic, Brown, Homogeneous, solid, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 2 10%	None Detected		Non-Fibrous Material	100%

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Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156124-060 532-10ab	LAYER 1 SV, Gray, Homogeneous, Fibrous, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 90%	Chrysotile	45%	Non-Fibrous Material	55%
	LAYER 2 Mastic, Brown, Homogeneous, solid, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 2 10%	None Detected		Non-Fibrous Material	100%
0156124-061 532-11	C.Tile, White/gray, Non- homogeneous, paint/fibrous, ash, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	60% 10% 30%
0156124-062 532-12	C.Tile, White/gray, Non- homogeneous, paint/fibrous, ash, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	60% 15% 25%
0156124-063 532-13	C.Tile, White/brown, Non- homogeneous, paint/fibrous, ash, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	95% 5%
0156124-064 532-14	C. Tile, White/brown, Non- homogeneous, paint/fibrous, ash, tease, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	95% 5%
0156124-065 532-15ab	LAYER 1 Floor Tile, Gray, Homogeneous, Granular, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous, sticky, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%

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Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156124-066 532-16	JC, Beige, Homogeneous, Granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material	<1% 100%
0156124-067 532-16ab	LAYER 1 Floor Tile, Gray, Homogeneous, Granular, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Mastic, Beige, Homogeneous, Rubbery, ash, non-friable Note: 24°C, 1.55 Oil	LAYER 2 10%	None Detected		Cleavage Fragments Non-Fibrous Material	<1% 100%
0156124-068 532-17abc	LAYER 1 C.mastic, Brown, Homogeneous, sticky, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 15%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
	LAYER 2 Floor Tile, Gray, Homogeneous, Granular, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 75%	Chrysotile	2%	Non-Fibrous Material	98%
	LAYER 3 Mastic, Black, Homogeneous, tar, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 3 10%	Chrysotile	10%	Organic Matrix	90%
0156124-069 532-18abc	LAYER 1 C. mastic, Brown, Homogeneous, sticky, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 15%	None Detected		Cellulose Fiber Synthetic Fiber Non-Fibrous Material	1% 1% 98%
	LAYER 2 Floor Tile, Gray, Homogeneous, Granular, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 80%	Chrysotile	2%	Non-Fibrous Material	98%
	LAYER 3 Mastic, Black, Homogeneous, tar, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 3 5%	Chrysotile	10%	Non-Fibrous Material	90%

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0156124-070 522-532-1	Roof silver (532-1), Silver/black, Non-homogeneous, paint/tar like, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	Chrysotile	2%	Organic Matrix	98%
0156124-071 522-532-2	Roof silverf (526-2), silver/black, Non-homogeneous, paint/tar like, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	Chrysotile	2%	Organic Matrix	98%
0156124-072 522-532-3	Roof parapt (532-4), Silver/black, Non-homogeneous, paint/tar like, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Organic Matrix	1% 5% 94%
0156124-073 522-532-4	Roof parapet (532-4), Silver/black, Non-homogeneous, paint/tar like, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Organic Matrix	2% 5% 93%
0156124-074 522-532-5	Roof Penetration Mastic (528-5), White/black, Non-homogeneous, fibrous/tar, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	Chrysotile	3%	Organic Matrix	97%
0156124-075 522-532-6	Roof Mastic (528-6), White/black, Non-homogeneous, Fibrous/tar like, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	Chrysotile	5%	Organic Matrix	95%

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Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156124-076 522-532-7	LAYER 1 Roof Field (532), silver/black, Non-homogeneous, paint/tar like, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 30%	None Detected	Fibrous Glass 15% Organic Matrix 85%
	LAYER 2 Black, Non-homogeneous, tar like/fibrous, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 30%	None Detected	Cellulose Fiber 1% Fibrous Glass 5% Organic Matrix 94%
	LAYER 3 Black, Non-homogeneous, tar like/fibrous, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 3 40%	None Detected	Fibrous Glass 15% Organic Matrix 85%
0156124-077 522-532-8	LAYER 1 Roof field (528-8), Silver/black, Non-homogeneous, paint/tar like, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 1 45%	None Detected	Cellulose Fiber 15% Organic Matrix 85%
	LAYER 2 Black, Non-homogeneous, tar like, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 2 45%	None Detected	Fibrous Glass 15% Organic Matrix 85%
	LAYER 3 Black, Homogeneous, tar like, melt, non-friable Note: 24°C, 1.55 Oil	LAYER 3 10%	None Detected	Fibrous Glass 15% Organic Matrix 85%
0156124-078 1131-23	Tex. Ceiling, white/gray, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-079 1131-24	C. Tex, White/gray, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%

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Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156124-080 1131-25	Ceiling Texture, white/gray, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-081 1131-26	DW, White, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Fibrous Glass 2% Non-Fibrous Material 98%
0156124-082 1131-27	DW, Pink, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
0156124-083 503-1a	DW, White, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
0156124-084 503-1b	JC, White, Homogeneous, Granular, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-085 503-2a	DW, White, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
0156124-086 503-2b	JC, White, Homogeneous, Granular, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156124-087 503-3b	JC, White, Non-homogeneous, Granular/paint, ash, acid, non-friable Note: 24°C	LAYER 1 100%	Chrysotile <1%	Non-Fibrous Material 100%

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0156124-088 503-4b	JC, White, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	Chrysotile	2%	Non-Fibrous Material	98%
0156124-089 503-5b	JC, white/beige, Non-homogeneous, granular/paint, ash, acid, non-friable Note: 24°C	LAYER 1 100%	Chrysotile	<1%	Non-Fibrous Material	100%
0156124-090 503-6a	DW, White, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
0156124-091 503-6b	JC, White/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156124-092 503-7a	DW, White, Homogeneous, Granular, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
0156124-093 503-7b	JC, Beige/beige/white, Non- homogeneous, paint/granular/fibrous, ash, tease, non-friable Note: 24°C	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	20% 80%
0156124-094 503-8b	JC, white/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156124-095 503-9b	JC, Beige/white, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%

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0156124-096 503-10b	JC, White/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-097 503-11c	Wall Texture, White/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-098 503-12c	Wall Texture, White/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-099 503-13c	Wall Texture, White/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-100 503-14c	Wall Texture, White/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-101 503-15c	Wall Texture, White/beige, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156124-102 503-16	Mastic, Brown, Homogeneous, solid, crush, non-friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%

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5628 E. Slauson
Los Angeles CA 90040

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REPORT #: 0156124
PROJECT: PLM ANALYSIS

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156124-103 503-17	Panel mastic, Brown, Homogeneous, solid, crush, non- friable Note: 24°C, 1.55 Oil	LAYER 1 100%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156124-104 503-18	Ceiling Tile, Gray, Homogeneous, Fibrous, tease, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected	Cellulose Fiber 50% Fibrous Glass 48% Non-Fibrous Material 2%
0156124-105 503-19	Ceiling Tile, Gray, Homogeneous, Fibrous, tease, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected	Cellulose Fiber 50% Fibrous Glass 48% Non-Fibrous Material 2%
0156124-106 503-20	Carpet Mastic, Yellow, orange, Homogeneous, foamy, tease, non- friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected	Vesicular Synthetic 100% Non-Fibrous Material <1%
0156124-107 503-21	Carpet Mastic, Yellow, orange, Homogeneous, foamy, tease, non- friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected	Vesicular Synthetic 100% Non-Fibrous Material <1%
0156124-108 503-22	Absorbant, Beige, Homogeneous, Granular, crush, acid, non-friable Note: 23°C	LAYER 1 100%	None Detected	Cleavage Fragments 3% Non-Fibrous Material 97%
0156124-109 503-23	Absorbant, Beige, Homogeneous, Granular, crush, acid, non-friable Note: 23°C	LAYER 1 100%	None Detected	Cleavage Fragments 3% Non-Fibrous Material 97%
0156124-110 503-24	Caulking, Gray, Homogeneous, Rubbery, ash, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156124-111 503-25	Caulking, Gray, Homogeneous, Rubbery, ash, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156124-112 503-26	Roofing mastic, black, gray, Non- homogeneous, tar like, fibrous, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material Organic Matrix	7% 5% 88%
0156124-113 503-27	Roofing mastic, black, gray, Non- homogeneous, tar like, fibrous, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	Chrysotile	4%	Non-Fibrous Material Organic Matrix	20% 76%
0156124-114 503-28	Mastic, Black, Homogeneous, tar, melt, non-friable Note: 22°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Organic Matrix	10% 90%
0156124-115 503-29	Mastic, Black, Homogeneous, tar like, melt, non-friable Note: 22°C, 1.55 Oil	LAYER 1 100%	Chrysotile	2%	Cellulose Fiber Organic Matrix	<1% 98%
0156124-116 503-30	Mastic, Black, Homogeneous, tar like, melt, non-friable Note: 22°C, 1.55 Oil	LAYER 1 100%	Chrysotile	3%	Non-Fibrous Material	97%
0156124-117 503-31	Mastic, Black, Homogeneous, tar like, melt, non-friable Note: 22°C, 1.55 Oil	LAYER 1 100%	Chrysotile	2%	Organic Matrix	98%
0156124-118 503-32	Roof Coating, white/yellow, Non- homogeneous, Rubbery/foam, ash, non-friable Note: 22°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Vesicular synthetics Non-Fibrous Material	1% 60% 39%

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Los Angeles CA 90040

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156124-119 503-33	Roof Coating, white/yellow, Non-homogeneous, Rubbery/foam, ash, non-friable Note: 22°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Vesicular synthetics Non-Fibrous Material	<1% 65% 35%
0156124-120 503-34	LAYER 1 Roof Mastic, Black/white, Non-homogeneous, tar/fibrous, melt, non-friable Note: 22°C, 1.55 Oil	LAYER 1 30%	Chrysotile	3%	Organic Matrix	97%
	LAYER 2 Black, Homogeneous, tar, melt, non-friable Note: 22°C, 1.55 Oil	LAYER 2 70%	Chrysotile	2%	Organic Matrix	98%
0156124-121 503-35	Duct Mastic, Gray, Homogeneous, Rubbery, ash, acid, non-friable Note: 22°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156124-122 503-36	roof patch, Black, Homogeneous, tar, melt, non-friable Note: 22°C, 1.55 Oil	LAYER 1 100%	None Detected		Organic Matrix	100%
0156124-123 503-37	Roof Patch, Black, Homogeneous, tar, melt, non-friable Note: 22°C, 1.55 Oil	LAYER 1 100%	None Detected		Organic Matrix	100%

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156124-124 503-38	LAYER 1 field roof, Black, Non-homogeneous, tar like/fibrous, melt, tease, non- friable Note: 22°C, 1.55 Oil	LAYER 1 15%	None Detected	Fibrous Glass 10% Organic Matrix 90%
	LAYER 2 Black, Homogeneous, tar like/fibrous, melt, tease, non-friable Note: 22°C, 1.55 Oil	LAYER 2 20%	None Detected	Fibrous Glass 15% Organic Matrix 85%
	LAYER 3 Black, Non-homogeneous, tar like/fibrous, melt, tease, non-friable Note: 22°C, 1.55 Oil	LAYER 3 20%	None Detected	Fibrous Glass 20% Organic Matrix 80%
	LAYER 4 Black, Non-homogeneous, tar like/fibrous, melt, tease, non-friable Note: 22°C, 1.55 Oil	LAYER 4 20%	None Detected	Fibrous Glass 15% Organic Matrix 85%
	LAYER 5 Black, Non-homogeneous, tar like/fibrous, melt, tease, non-friable Note: 22°C, 1.55 Oil	LAYER 5 25%	None Detected	Fibrous Glass 30% Organic Matrix 70%
0156124-125 503-39	LAYER 1 Field roof, Black, Non- homogeneous, tar like/fibrous, melt, tease, non-friable Note: 22°C, 1.55 Oil	LAYER 1 25%	None Detected	Fibrous Glass 15% Organic Matrix 85%
	LAYER 2 Black, Non-homogeneous, tar like/fibrous, melt, tease, non-friable Note: 22°C, 1.55 Oil	LAYER 2 25%	None Detected	Fibrous Glass 15% Organic Matrix 85%
	LAYER 3 Black, Non-homogeneous, tar like/fibrous, melt, tease, non-friable Note: 22°C, 1.55 Oil	LAYER 3 25%	None Detected	Fibrous Glass 20% Organic Matrix 80%
	LAYER 4 Black, Non-homogeneous, tar like/fibrous, melt, tease, non-friable Note: 22°C, 1.55 Oil	LAYER 4 25%	None Detected	Fibrous Glass 15% Non-Fibrous Material 85%

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156124-126 528-16	JC, White, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%

Analyst - JEFF WAN

Approved Signatory Laboratory Director

The EPA method is a semi-quantitative procedure. The detection limit is between 0.1-1% by area and dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material. The test results reported are for the sample(s) delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken from a "homogeneous sampling area" before friable material is considered non-asbestos-containing. Negative floor tile samples may contain significant amounts (>1%) of very thin fibers which cannot be detected by PLM. Confirmation by TEM is recommended by the EPA (Federal Register Vol.59, No.146). Asbestos fibers bound in a non-friable organic matrix may not be detected by PLM. Alternative preparation methods are recommended. This report, from a NIST-accredited laboratory through NVLAP, must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. government. This report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Samples were received in good condition unless otherwise noted.



NVLAP Lab Code: 101218-0

Demolition Services - Raymond Ave Grade Separation Project

SUBMITTAL FORM/Laboratory Services

C-3 1615

EXHIBIT J-1

PAGE OF

TURNAROUND TIME: STD 18 HR. ☒ 24 HR.
 <8 HR. WKND OTHER:

RELINQUISHED BY Don Harman
 TIME / DATE Am April 17, 2013
 DATE OF SHIPMENT CARRIER BOX
 CLIENT P.O. NO.
 CLIENT JOB/PROJECT ID NO(S). 4953-13-0341
 PACKAGE SHIPPED FROM

CLIENT AMEC E&I
 ADDRESS 6001 Rickenbacker
LA CA 90040
 TELEPHONE 323 889 5378
 CONTACT Don Harman

RESULTS REQUESTED VIA VERBAL ☐ FAX ☐ CLIENT FAX NO. don.harman@amec.com
 (NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.) Email

DATE/TIME OF SAMPLE COLLECTION 4/15 & 16 / 2013
 SAMPLE PRESERVATIVES None HOLDING TIMES N/A
 NO. OF SAMPLES SENT 112 SAMPLER'S NAME Don Harman Don Harman
 TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER PLM

(FOR EMS ONLY)

EMS Sample No.

156124-1

CLIENT SAMPLE NO.

DESCRIPTION/LOCATION/ANALYSIS

VOLUME
TIME WEIGHT
(IF APPLICABLE)

1-9

522 Raymond

Suspect ACM/PLM

1-18

524 Raymond

" " "

1-15

528 Raymond

" " "

1-18

532 Raymond

" " "

1-8

522-532 Raymond

" " "

23-26 27^{PM}

1131 E. Walnut

" " "

1-39

503 Raymond

" " "

156124-125

used latest

True Used latest per Don Harman 4/17/13 AK

15 lines

Laboratory No. 156124 Received By R. Galuez Time 7:15
 Date of Package Delivery 4/17/13 Shipping Bill Retained: YES ☐ NONE ☒
 Condition of Package on Receipt OK Condition of Custody Seal None
 (NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and the shipper.)
 No. of Samples 125 Chain-of-Custody Signature [Signature]
 Date of Acceptance into Sample Bank 4/17/13 Misc. Info.
 Disposition of Samples Orange County Transportation Authority

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(SF 5/00)

FOR EMS ONLY



EMS LABORATORIES INC.

117 W. Bellevue Drive, Pasadena, CA 91105-2548 626-568-4065

National Institute of Standards and Technology (NIST) NVLAP Lab Code 101218-0
 California Department of Health Services Environmental Testing Laboratory ELAP 1119
 County Sanitation Districts of Los Angeles County ID No. 10120
 Nevada Environmental Laboratory Certification CA00245

CUSTOMER: AMEC E&I
 5628 E. Slauson
 Los Angeles CA 90040
 CONTACT: Don Harman
 REFERENCE: 4954-13-0341
 METHOD: EPA 600/R-93/116

PAGE #: 1 of 6
 REPORT #: 0156171
 PROJECT: PLM ANALYSIS
 DATE COLLECTED: 04/19/2013
 COLLECTED BY: Don E. Harman
 DATE RECEIVED: 04/22/2013
 ANALYSIS DATE: 04/24/2013

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156171-001 1	Drywall, White, Homogeneous, Powdery, crush, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%
0156171-002 2	Drywall, White, Homogeneous, Powdery, crush, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%
0156171-003 3	Joint Compound, White, Homogeneous, Powdery, acid, non- friable Note: 25°C	LAYER 1 100%	Chrysotile	<1%	Non-Fibrous Material	100%
0156171-004 4	Joint Compound, White, Homogeneous, Powdery, acid, non- friable Note: 25°C	LAYER 1 100%	Chrysotile	<1%	Non-Fibrous Material	100%
0156171-005 5	Joint Compound, White, Homogeneous, Powdery, acid, non- friable Note: 25°C	LAYER 1 100%	Chrysotile	<1%	Non-Fibrous Material	100%
0156171-006 6	Ceiling Tile, Gray, Homogeneous, Fibrous, tease, friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Perlite	45% 45% 10%



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PROJECT: PLM ANALYSIS

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156171-007 7	Ceiling Tile, Gray, Homogeneous, Fibrous, tease, friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Perlite	45% 53% 2%
0156171-008 8	LAYER 1 Drywall, White, Homogeneous, Powdery, crush, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 30%	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%
	LAYER 2 Mastic, Brown, Homogeneous, solid, melt, non-friable Note: RI Oil 1.605, 25°C	LAYER 2 45%	None Detected		Wollastonite Non-Fibrous Material	3% 97%
	LAYER 3 Cove Base, Brown, Homogeneous, Rubbery, ash, non-friable Note: RI Oil 1.55, 25°C	LAYER 3 25%	None Detected		Non-Fibrous Material	100%
0156171-009 9	LAYER 1 Cove Base, Brown, Homogeneous, Rubbery, ash, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 30%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Mastic, beige, tan, Non- homogeneous, rubbery, fibrous, ash Note: RI Oil 1.55, 25°C	LAYER 2 70%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
0156171-010 10	Floor Tile, beige, yellow, Non- homogeneous, solid, sticky, melt, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	Chrysotile	<1%	Non-Fibrous Material	100%
0156171-011 11	Floor Tile, beige, yellow, Non- homogeneous, solid, sticky, melt, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	Chrysotile	<1%	Non-Fibrous Material	100%

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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156171-012 12	Linoleum, grey, black, Non-homogeneous, fibrous, tar like, ash, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	Chrysotile	2%	Cellulose Fiber Fibrous Glass Non-Fibrous Material	5% 3% 90%
0156171-013 13	Linoleum, grey, black, Non-homogeneous, fibrous, tar like, ash, non-friable Note: RI Oil 1.55, 25°C	LAYER 1 100%	Chrysotile	2%	Cellulose Fiber Fibrous Glass Non-Fibrous Material	5% 3% 90%
0156171-014 14	Mastic, Yellow, Homogeneous, solid, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156171-015 15	Mastic, Yellow, Homogeneous, solid, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156171-016 16	Ceiling Texture, Beige, Homogeneous, Powdery, acid, friable Note: 23°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156171-017 17	Ceiling Texture, Beige, Homogeneous, Powdery, acid, friable Note: 23°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156171-018 18	Ceiling Texture, Beige, Homogeneous, Powdery, acid, friable Note: 23°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156171-019 19	Mastic, Yellow, Homogeneous, solid, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%

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REPORT #: 0156171
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BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156171-020 20	Mastic, Yellow, Homogeneous, solid, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
0156171-021 21	Floor Tile, Gray, Homogeneous, solid, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156171-022 22	Floor Tile, Gray, Homogeneous, solid, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156171-023 23	Roof Coating, Black, Homogeneous, tar like, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material Organic Matrix	<1% 10% 90%
0156171-024 24	Roof Coating, Black, Homogeneous, tar like, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material Organic Matrix	<1% 10% 90%
0156171-025 25	Roof Mastic, Black, Homogeneous, tar like, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	Chrysotile	2%	Cellulose Fiber Non-Fibrous Material Organic Matrix	<1% 20% 78%
0156171-026 26	Roof Mastic, Black, Homogeneous, tar like, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	Chrysotile	3%	Cellulose Fiber Non-Fibrous Material Organic Matrix	<1% 10% 87%
0156171-027 27	Roof Mastic, Black, Homogeneous, tar like, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	Chrysotile	3%	Cellulose Fiber Non-Fibrous Material Organic Matrix	<1% 10% 87%

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REPORT #: 0156171
PROJECT: PLM ANALYSIS

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156171-028 28	Roof Mastic, Black, Homogeneous, tar like, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	Chrysotile	3%	Cellulose Fiber Non-Fibrous Material Organic Matrix	<1% 10% 87%
0156171-029 29	Roof Mastic, Black, Homogeneous, tar like, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	Chrysotile	3%	Cellulose Fiber Non-Fibrous Material Organic Matrix	<1% 10% 87%
0156171-030 30	Roof Mastic, Black, Homogeneous, tar like, melt, non-friable Note: RI Oil 1.55, 23°C	LAYER 1 100%	Chrysotile	3%	Cellulose Fiber Non-Fibrous Material Organic Matrix	<1% 10% 87%
0156171-031 31	Roof Mastic, Black, Homogeneous, tar like, melt, non-friable Note: RI Oil 1.55, 24°C	LAYER 1 100%	None Detected		Non-Fibrous Material Organic Matrix	<1% 100%
0156171-032 32	Roof Mastic, Black, Homogeneous, tar like, melt, non-friable Note: RI Oil 1.55, 24°C	LAYER 1 100%	None Detected		Non-Fibrous Material Organic Matrix	<1% 100%
0156171-033 33	Field roofing, Black, Non- homogeneous, fibrous, tar like, melt, non-friable Note: RI Oil 1.55, 24°C	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material Organic Matrix	4% 10% 86%
0156171-034 34	Field roofing, Black, Non- homogeneous, fibrous, tar like, melt, non-friable Note: RI Oil 1.55, 24°C	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material Organic Matrix	4% 10% 86%
0156171-035 35	Roofing, Black, Non-homogeneous, fibrous, tar like, melt, non-friable Note: RI Oil 1.55, 24°C	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material Organic Matrix	4% 10% 86%

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REPORT #: 0156171
PROJECT: PLM ANALYSIS

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156171-036 36	Roofing, Black, Non-homogeneous, fibrous, tar like, melt, non-friable Note: RI Oil 1.55, 24°C	LAYER 1 100%	None Detected	Fibrous Glass 4% Non-Fibrous Material 10% Organic Matrix 86%
0156171-037 1b	Joint Compound, Beige, Homogeneous, Powdery, acid, non- friable Note: 24°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0156171-038 2b	Joint Compound, Beige, Homogeneous, Powdery, acid, non- friable Note: 24°C	LAYER 1 100%	None Detected	Cellulose Fiber <1% Non-Fibrous Material 100%
0156171-039 9c	LAYER 1 Drywall, White, Homogeneous, Powdery, crush, non-friable Note: RI Oil 1.55, 24°C	LAYER 1 50%	None Detected	Cellulose Fiber 2% Non-Fibrous Material 98%
	LAYER 2 Mastic, Brown, Homogeneous, solid, melt, non-friable Note: RI Oil 1.605, 24°C	LAYER 2 50%	None Detected	Non-Fibrous Material 100%


Analyst - Heather Kilgore

Approved Signatory Laboratory Director

The EPA method is a semi-quantitative procedure. The detection limit is between 0.1-1% by area and dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material. The test results reported are for the sample(s) delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken from a "homogeneous sampling area" before friable material is considered non-asbestos-containing. Negative floor tile samples may contain significant amounts (>1%) of very thin fibers which cannot be detected by PLM. Confirmation by TEM is recommended by the EPA (Federal Register Vol.59, No.146). Asbestos fibers bound in a non-friable organic matrix may not be detected by PLM. Alternative preparation methods are recommended. This report, from a NIST-accredited laboratory through NVLAP, must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. government. This report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Samples were received in good condition unless otherwise noted.

NVLAP
NVLAP Lab Code: 101218-0

Demolition Services - Raymond Ave Grade Separation Project

SUBMITTAL FORM/Laboratory Services

C-3-16/5

EXHIBIT J-1

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TURNAROUND TIME: STD ☐ 48 HR. ☒ 24 HR. ☐
<8 HR. ☐ WKND ☐ OTHER: ☐

RELINQUISHED BY Don Harman

TIME / DATE April 23, 2013

CLIENT AMEC E&I

DATE OF SHIPMENT ☐ CARRIER Box

ADDRESS 6001 Rickenbacker

CLIENT P.O. NO. ☐

LA CA 90040

CLIENT JOB/PROJECT ID NO(S) 4954-13-0341

TELEPHONE 323 8895378 / 818 3244391

PACKAGE SHIPPED FROM ☐

CONTACT Don Harman

RESULTS REQUESTED VIA VERBAL ☐ FAX ☐

CLIENT FAX NO. don. Harman@amec.com

(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)

DATE/TIME OF SAMPLE COLLECTION April 19, 2013

SAMPLE PRESERVATIVES None

HOLDING TIMES N/A

NO. OF SAMPLES SENT 36

SAMPLER'S NAME Don E. Harman

SIGNATURE

PRINTED

TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER PCM

(FOR EMS ONLY)

EMS Sample No.

156171-39

CLIENT SAMPLE NO.

1 - 36

DESCRIPTION LOCATION ANALYSIS

535 Raymond

Suspect ACM

lb
2b
9c

Weld

15 lines

Laboratory No.

156171

Received By

R. Galvez

Time

6:50

Date of Package Delivery

4/22/13

Shipping Bill Retained: YES ☐ NONE ☒

Condition of Package on Receipt

OK

Condition of Custody Seal

None

(NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and the shipper.)

No. of Samples

39

Chain-of-Custody Signature

2

Date of Acceptance into Sample Bank

4/22/13

Misc. Info.

Disposition of Samples

Orange County Transportation Authority

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(SF 5/00)

FOR EMS ONLY



EMS LABORATORIES INC.

117 W. Bellevue Drive, Pasadena, CA 91105-2548 626-568-4065

National Institute of Standards and Technology (NIST) NVLAP Lab Code 101218-0
 California Department of Health Services Environmental Testing Laboratory ELAP 1119
 County Sanitation Districts of Los Angeles County ID No. 10120
 Nevada Environmental Laboratory Certification CA00245

CUSTOMER: AMEC E&I
 5628 E. Slauson
 Los Angeles CA 90040
 CONTACT: Don Harman
 REFERENCE:
 METHOD: EPA 600/R-93/116

PAGE #: 1 of 2
 REPORT #: 0156243
 PROJECT: PLM ANALYSIS
 DATE COLLECTED: 04/25/2013
 COLLECTED BY:
 DATE RECEIVED: 04/29/2013
 ANALYSIS DATE: 04/29/2013

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0156243-001 1a	Plaster, Gray/peach/white, Non-homogeneous, paint/granular/granular, ash, acid, non-friable Note: 26°C, 1.55 Oil	LAYER 1 100%	Chrysotile	<1%	Non-Fibrous Material	100%
0156243-002 1b	Button Board, pink/brown, Homogeneous, granular/fibrous, crush, tease, non-friable Note: 26°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	15% 85%
0156243-003 2a	Plaster, Gray/white, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 26°C	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
0156243-004 2b	Button Board, Pink/brown, Non-homogeneous, Granular/fibrous, crush, tease, non-friable Note: 26°C, 1.55 Oil	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	15% 85%
0156243-005 3a	Plaster, gray/pink, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 26°C	LAYER 1 100%	Chrysotile	<1%	Non-Fibrous Material	100%

CUSTOMER: AMEC E&I
5628 E. Slauson
Los Angeles CA 90040

PAGE #: 2 of 2
REPORT #: 0156243
PROJECT: PLM ANALYSIS

BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0156243-006 4a	Plaster, tan/pink/gray, Non-homogeneous, paint/paint/granular, ash, acid, non-friable Note: 26°C	LAYER 1 100%	None Detected	Perlite 35% Non-Fibrous Material 65%
0156243-007 5a	Plaster, Pink/white, Non-homogeneous, paint/granular, ash, acid, non-friable Note: 26°C	LAYER 1 100%	Chrysotile <1%	Non-Fibrous Material 100%

Analyst - JEFF WAN

Approved Signatory Laboratory Director

The EPA method is a semi-quantitative procedure. The detection limit is between 0.1-1% by area and dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material. The test results reported are for the sample(s) delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken from a "homogeneous sampling area" before friable material is considered non-asbestos-containing. Negative floor tile samples may contain significant amounts (>1%) of very thin fibers which cannot be detected by PLM. Confirmation by TEM is recommended by the EPA (Federal Register Vol.59, No.146). Asbestos fibers bound in a non-friable organic matrix may not be detected by PLM. Alternative preparation methods are recommended. This report, from a NIST-accredited laboratory through NVLAP, must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. government. This report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Samples were received in good condition unless otherwise noted.



NVLAP Lab Code: 101218-0

SUBMITTAL FORM/Laboratory Services

156243

PAGE ☐ OF ☐TURNAROUND TIME: STD ☐ 48 HR. ☒ 24 HR. ☐
<8 HR. ☐ WKND ☐ OTHER: ☐RELINQUISHED BY Don HarmanTIME / DATE 4/25/13 PMCLIENT AMEC E&SDATE OF SHIPMENT ☐ CARRIER ☐ADDRESS 6001 Ricken brookCLIENT P.O. NO. ☐TELEPHONE 323 8895378CLIENT JOB/PROJECT ID NO(S) 4953-13-0341CONTACT Don HarmanPACKAGE SHIPPED FROM ☐RESULTS REQUESTED VIA VERBAL ☐ FAX ☐ E-MAIL ☒E-MAIL don.harman@amec.comFAX NO. ☐

(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal, fax or e-mail results)

DATE/TIME OF SAMPLE COLLECTION April 25, 2013SAMPLE PRESERVATIVES ☐ HOLDING TIMES ☐NO. OF SAMPLES SENT 5 SAMPLER'S NAME Don & Harman / Don Harman

SIGNATURE

PRINTED

TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER PCM

(FOR EMS ONLY)

EMS Sample No.

156243-1405

CLIENT SAMPLE NO.

1-5

DESCRIPTION LOCATION ANALYSIS

1128-1 to 1128-2

VOLUME

TIME WEIGHT

IF APPLICABLE

Super PCM

MOM
430

15 lines

Laboratory No.

156243

Received By Amesum Time 11020

Date of Package Delivery

04.25.13

Shipping Bill Retained: YES ☐ NONE ☒

Condition of Package on Receipt

Condition of Custody Seal OK

(NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and the shipper.)

No. of Samples

5

Chain-of-Custody Signature [Signature]

Date of Acceptance into Sample Bank

04.25.13

Misc. Info. ☐Disposition Orange County Transportation Authority

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EMS LABORATORIES

117 West Bellevue Drive / Pasadena CA 91105-2548 / 626-568-4065

(SF 6/07)

FOR EMS ONLY

SUBMITTAL FORM/Laboratory Services

156303

PAGE 1 OF 1

TURNAROUND TIME: STD ☐ 48 HR. ☒ 24 HR. ☐<8 HR. ☐ WKND ☐ OTHER: ☐

CLIENT AMEC E&I
 ADDRESS 6001 Rickenbacker
LA CA 90040
 TELEPHONE 323 889 5300 ext 378
 CONTACT Don Harman

RELINQUISHED BY D. HarmanTIME / DATE 4/30/13DATE OF SHIPMENT ☐ CARRIER ☐CLIENT P.O. NO. ☐CLIENT JOB/PROJECT ID NO(S) 4953-13-0341PACKAGE SHIPPED FROM ☐RESULTS REQUESTED VIA VERBAL ☐ FAX ☐ E-MAIL ☒E-MAIL don.harman@amec.com

(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal, fax or e-mail results)

FAX NO. ☐DATE/TIME OF SAMPLE COLLECTION variousSAMPLE PRESERVATIVES NoneHOLDING TIMES N/ANO. OF SAMPLES SENT 12SAMPLER'S NAME Don E. Harman

SIGNATURE

PRINTED

TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER point count

(FOR EMS ONLY)

EMS Sample No.

CLIENT SAMPLE NO.

DESCRIPTION LOCATION ANALYSIS

VOLUME
TIME-WEIGHT
IF APPLICABLE

0156243-001

1a - 1128

plaster

point count for

" -005

3a - 1128

< 2/2

" -007

5a - 1128

0156171-003

3 - 535

plaster

" -004

4 - 535

" -005

5 - 535

" -010

10 - 535

Floor tile

" -011

11 - 535

↓ ↓

0156090-005

5a - 1131

Plaster

" -014

14 - 1131

Stucco

" -025

3b - 1132

Plaster

" -027

5b - 1132

Composite layer 1 & layer 2

The Sp

15 lines

Laboratory No. 156303Received By Annette MTime 1700Date of Package Delivery 04.30.13Shipping Bill Retained: YES ☐NONE ☒Condition of Package on Receipt OKCondition of Custody Seal None

(NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and the shipper.)

No. of Samples 12Chain-of-Custody Signature [Signature]Date of Acceptance into Sample Bank 04.30.13Misc. Info. ☐Disposition of Samples EMS

EMS LABORATORIES 117 West Bellevue Drive / Pasadena CA 91105-2503 / 626-568-4065

Orange County Transportation Authority

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EMS LABORATORIES INC 117 W Bellevue Drive / Pasadena CA 91105-2548 / 626-568-4065

(SF 6/07)

FOR EMS ONLY

Report: 156303 **CLIENT:** AMEC
6001 Rickenbacker St.
Date: 5/2/2013 Los Angeles, CA 90040
Date Analyzed: 5/2/2013 **ATTENTION** Dan Harman
REFERENCE: 0

Subject: Polarized Light Microscopy Analysis 12 Samples
(400 + 1000 pt count)
Methodolgy: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
EPA-600/M4-82-020M
Accredited: National Institute of Standards and Technology (NVLAP) # 101218
Certified: California Department of Health Services Environmental Testing Laboratory ELAP 1119,
County Sanitation Districts of Los Angeles County, Laboratory Identification No. 10120
QUALITY CONTROL SAMPLE (SRM 1866 GLASS FIBERS AS THE BLANK): NONE DETECTED

Sample ID NUMBER	Reduction (%)	Asbestos % 1000 Pt
243-001	57	<0.1
243-005	70	<0.1
243-007	40	0.12
171-003	42	<0.1
171-004	60	0.12
171-005	0	<0.1
171-010	72	<0.1
171-011	64	<0.1
090-005	48	0.10
090-014	23	<0.1
090-025	20	0.24
090-027	71	<0.1

** Gravimetric analye Sample ashed and acid treated

Analytical sensitivity: 0.1%

HK

Optical Microscopist

B.M. Kolk,

Laboratory Director

The EPA method is a semi quantitative procedure. The detection limit is between 1/10 to 1 percent by area and is dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the sample material

The test results reported are for the sample or samples delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken of a "homogeneous sampling area" before friable material is considered non-asbestos-containing

This report, from a NIST accredited laboratory through NVLAP, must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

Note: This report shall not be reporduced, except in full, without the written approval of EMS Laboratories, Inc.

Orange County Transportation Authority

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**APPENDIX B
EEI LEAD SURVEY REPORTS**

Environmental Engineering, Inc.

A Minority Consultant

XRF Lead-Based Paint Measurements 503 South Raymond Avenue Fullerton, California

**AMEC Environment & Infrastructure, Inc.
Los Angeles, California**

May 1, 2013

Environmental Engineering, Inc.

A Minority Consultant

May 1, 2013
Project No. 2013-018B

Don E Harman
AMEC Environment & Infrastructure, Inc.
6001 Rickenbacker Road
Los Angeles, California 90040

XRF Lead-Based Paint Measurements
503 S Raymond Avenue
Fullerton, California 92831

INTRODUCTION

This report presents the results of Environmental Engineering, Inc.'s (EEI) lead-based paint testing of the above property. EEI performed this Lead-Based Paint testing on April 16, 2013 in accordance with the EPA guidelines for lead inspections. The scope of this testing was to perform Lead-Based Paint measurements using a portable X-ray fluorescent (XRF) detector, and to recommend appropriate additional and/or response actions upon findings of the testing, if necessary.

PROPERTY DESCRIPTION

The subject property is a single story commercial business facility. The facility consists of multiple office cubicles, restrooms, and a shop room. EEI followed the AMEC assigned room numbers to these office cubicles and other rooms during XRF testing. The facility consists of drywall interiors and concrete exteriors. The offices have wooden doors and wood framed glass windows. The offices have drywall ceilings and the shops have foiled ceilings. A XRF Lead-Based Paint testing was performed throughout the interior and exterior areas of the unit to evaluate the presence of Lead-Based Paint at the property.

LEAD INSPECTOR AND TESTING PROTOCOL

Dr. Zainul Abedin of Environmental Engineering, Inc performed the testing at the Site using an RMD XRF spectrum analyzer instrument. Dr. Abedin has attended the radiation safety course for operation and handling of the RMD instrument and completed 40 hours of OSHA Health & Safety training and California Department of Health Services accredited Lead-Related Construction Inspector and Risk Assessor courses. The XRF testing was conducted using EEI owned XRF RMD's LPA-1 bearing serial number S-1044. The California Department of Health Services, Childhood Lead Poisoning Branch has been implementing a State Certification Model Accreditation Plan adopted from the US EPA. Dr. Zainul Abedin is an accredited Lead Inspector, Risk Assessor, Monitor, and Lead Supervisor in California.

Testing Protocol

The surfaces tested were selected in general consideration of HUD's guidance for Surface Testing Sites (1990 HUD's Interim Guidelines relating to Lead-Based Paint). The action level defined in HUD regulation 24 CFR 965.7068 (53 FR 20803, June 6, 1988), and the HUD Interim Guidelines is a lead concentration above the level of 1.0 mg/cm² when measured by a portable XRF instrument or 0.5% or 5,000 parts per million (ppm) by weight when measured by analytical laboratory methods. HUD considers XRF results between 0.9 to 1.1 mg/cm² inconclusive. The California OSHA established an action level of 600 ppm in accordance with California Title 8 1532.1.

Environmental Engineering, Inc.

*A Minority Consultant**Page 2*

The Orange County Department of Health Services has accepted the State action level of 1.0 mg/cm² or 5,000 ppm. For this report, the State limit of 1.0 mg/cm² was chosen as the action level.

XRF Method Of Testing

Environmental Engineering, Inc. conducted the testing to determine the presence of Lead-Based Paint using a portable X-ray fluorescent (XRF) detector. Applicable surfaces and building components were tested non-destructively by holding the scanner against the surface being tested. At each XRF test location, the LPA-1 scanner shutter key was opened, and the 'quick' mode functions were selected. The testing time under quick mode was auto-adjusted by the XRF machine. Results were reported from the digital display of the instrument console in milligrams of lead per square centimeter of surface area (mg/cm²).

The instrument was calibrated to the manufacturer's specification before and after testing and verified against known lead samples produced by the National Institute of Standards and Testing (NIST). The standard deviation of the Calibration check for the machine was within the manufacturer's specification.

XRF Test Results

Results of EEI's Lead-Based Paint testing are included in Exhibit I of this report. A total of 106 measurements were made during XRF lead-based paint testing. No inconclusive results were observed and no paint chip samples were taken for confirmatory analysis. All test results are organized and shown in actual sequence by room name, shot number, sample location, component, substrate, condition, and results for each component.

Based on XRF testing, lead-based paint above regulatory action limits were not detected on any painted wall, door, window, baseboard, ceiling, and other components tested in the unit.

CONCLUSIONS AND RECOMMENDATIONS

A Lead-Based Paint evaluation was performed of interior, common and exterior surfaces of the Site buildings. Our evaluation included visual observations of painted surfaces, substrate identifications, and XRF measurements. We summarize our field observations and test results in the followings;

- ❖ The interior building components and paint surfaces observed during Site inspection showed no deterioration, missing components, and no damages in general. Most interior and exterior doors, windows, walls, and other miscellaneous components had intact paint surfaces.
- ❖ Based on XRF testing, Lead-Based Paint above regulatory action limits were not detected on any painted components tested in the unit.

Based on our findings and observation, we recommend no further action at the facility.

Environmental Engineering, Inc.*A Minority Consultant**Page 3***LIMITATION**

This testing was planned, developed, and implemented based on Environmental Engineering Inc.'s previous experience in performing lead-based paint testing. This testing was conducted in conformance with HUD Guidelines as published in September 1990 and later. Environmental Engineering, Inc. utilized state-of-the-art-practices and techniques in accordance with regulatory standards, and in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature.

Environmental Engineering, Inc conducted the XRF lead testing in accessible areas of the site. Other conditions may exist in inaccessible or un-surveyed areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. EEI cannot be responsible for changing conditions that may alter the relative exposure risk or for future changes in accepted methodology.

If you have any questions concerning the methodology or the results of this survey, please contact our office at (818) 547-1330.

Sincerely Yours,
ENVIRONMENTAL ENGINEERING, INC,



ZAINUL ABEDIN, PhD, REA
Lead Inspector & Risk Assessor, I/S-1151

Environmental Engineering, Inc.*A Minority Consultant***Exhibit I : XRF Lead Results & Symbol**
503 S Raymond Ave, Fullerton

<u>Unit/Room No.</u>	<u>Shot No</u>	<u>Loca -tion</u>	<u>Compo -nent</u>	<u>Subs trate</u>	<u>Condi -tion</u>	<u>Results- (mg/cm²)</u>	<u>Remarks</u>
Room 1	1	A	Wall	DW	I	-0.1	
"	2	C	Wall	W	I	0.2	
"	3	D	Door	W	I	-0.2	
"	4	D	Door Frame	W	I	0.0	
"	5	D	Door Jamb	W	I	-0.1	
Room 2	6	A	Door	W	I	-0.1	
"	7	A	Door Frame	W	I	0.0	
"	8	A	Door Jamb	W	I	-0.1	
"	9	Ct	Ceiling	DW	I	-0.3	
Room 3	10	A	Wall	DW	I	0.1	
"	11	B	Door	W	I	0.0	
"	12	B	Door Frame	W	I	-0.1	
"	13	B	Door Jamb	W	I	-0.1	
"	14	D	Door	W	I	-0.1	
"	15	D	Door Frame	W	I	-0.1	
"	16	D	Door Jamb	W	I	-0.1	
Room 4	17	A	Wall	DW	I	-0.1	
"	18	A	Door	W	I	-0.2	
"	19	A	Door Frame	W	I	-0.3	
"	20	A	Door Jamb	W	I	-0.1	
"	21	B	Wall	DW	I	-0.2	
"	22	C	Wall	DW	I	-0.1	
"	23	D	Wall	DW	I	-0.2	
"	24	Ct	Ceiling	DW	I	-0.2	
Room 4	25	A	Wall	DW	I	-0.1	
"	26	B	Wall	DW	I	-0.3	
"	27	B	Door	W	I	0.0	
"	28	B	Door Frame	W	I	-0.2	
"	29	B	Gate	M	I	0.0	
"	30	B	Gate Frame	M	I	-0.3	
"	31	C	Wall	DW	I	-0.3	
"	32	D	Wall	DW	I	-0.3	
Room 5	33	A	Wall	DW	I	-0.4	
"	34	A	Door	W	I	-0.2	
"	35	A	Door Frame	W	I	-0.1	
"	36	A	Door Jamb	W	I	-0.3	
"	37	B	Wall	DW	I	0.0	
"	38	C	Wall	DW	I	0.0	
"	39	D	Wall	DW	I	-0.2	

Environmental Engineering, Inc.*A Minority Consultant*

Room 6	40	A	Wall	Cn	I	-0.2	
"	41	A	Door	W	I	-0.3	Room 10
"	42	A	Door Frame	W	I	0.0	"
"	43	A	Door Jamb	W	I	0.1	"
"	44	A	Window Frame	W	I	-0.2	
"	45	B	Wall	DW	I	-0.3	
"	46	B	Window Frame	W	I	-0.2	
"	47	B	Door	W	I	-0.3	
"	48	B	Door Frame	W	I	0.0	
"	49	B	Door Jamb	W	I	0.1	
"	50	C	Wall	DW	I	-0.2	
"	51	D	Wall	Cn	I	-0.6	
"	52	D	Gate	M	D	-0.2	
"	53	D	Door Frame	M	I	-0.1	
"	54	D	Door	M	I	-0.2	
Room 7	55	C	Door Frame	M	I	-0.3	
Room 8	56	A	Wall	Cn	I	-0.1	
"	57	B	Wall	DW	I	-0.2	
"	58	B	Baseboard	W	I	-0.1	
"	59	C	Wall	DW	I	-0.1	
"	60	C	Door	W	I	-0.3	
"	61	C	Door Frame	W	I	-0.2	
"	62	C	Door Jamb	W	I	-0.1	
"	63	C	Window Frame	W	I	-0.2	
"	64	C	Baseboard	W	I	-0.2	
"	65	D	Wall	DW	I	-0.1	
"	66	D	Window Frame	W	I	-0.1	
"	67	D	Baseboard	W	I	-0.1	
"	68	Ct	Ceiling	DW	I	-0.1	
Room 9	69	A	Wall	DW	I	-0.1	
"	70	A	Door	W	I	-0.1	
"	71	A	Door Jamb	W	I	0.0	
"	72	A	Door Frame	W	I	-0.2	
"	73	B	Wall	DW	I	-0.2	
"	74	C	Wall	DW	I	-0.2	
"	75	D	Wall	DW	I	-0.1	
"	76	Ct	Ceiling	DW	I	0.0	
Room 10	77	A	Mantle	W	I	-0.1	
"	78	B	Wall	DW	I	-0.2	
"	79	B	Door	W	I	-0.4	
"	80	B	Door Jamb	W	I	0.3	
"	81	B	Door Frame	W	I	-0.2	
"	82	C	Wall	DW	I	-0.2	
"	83	D	Wall	DW	I	-0.3	
"	84	D	Door	W	I	-0.4	
"	85	D	Door Jamb	W	I	-0.2	
"	86	D	Door Frame	W	I	-0.2	

Environmental Engineering, Inc.*A Minority Consultant*

Room 11	87	B	Wall	Cn	I	-0.1	
"	88	C	Wall	DW	I	-0.2	
"	89	C	Door	W	I	-0.4	
"	90	C	Door Jamb	W	I	-0.1	
"	91	C	Door Frame	W	I	-0.2	
"	92	D	Wall	DW	I	-0.4	
Room 13	93	B	Wall	Cn	I	-0.3	
"	94	C	Wall	Cn	I	-0.4	
"	95	D	Wall	DW	I	0.0	
"	96	D	Door	W	I	-0.4	
"	97	D	Door Frame	W	I	0.0	
"	98	D	Door Jamb	W	I	0.0	
Room 14	99	D	Door	W	I	-0.2	
"	100	D	Door Jamb	W	I	-0.2	
"	101	D	Door Frame	W	I	-0.2	
Exterior	102	A	Wall	Cn	I	-0.3	Mid-Beige Patch
"	103	B	Wall	Cn	I	-0.3	NE Blue Patch
"	104	B	Eve	W	I	0.0	Front Porch
"	105	B	Fascia	W	I	0.0	"
"	106	C	Wall	Cn	I	-0.3	"

XRF Lead-Based Paint Measurements
Substrate & Abbreviation Used

Bl	Block	Ct	Center/Middle
Cm	Ceramic Tile	Cn	Concrete
D	Damaged	DW	Drywall
I	Intact	M	Metal
NE	Northeast	NW	Northwest
P	Plaster	S	Stucco
SE	Southeast	SW	Southwest
W	Wood	WV	Wood Vinyl
Wp	Wall Paper		

Locations	A	North Side
Locations	B	East Side/ right side
Locations	C	South Side
Locations	D	West Side/ left side

Environmental Engineering, Inc.*A Minority Consultant***CDPH Form 8552**

State of California—Health and Human Services Agency

California Department of Public Health

LEAD HAZARD EVALUATION REPORT

Section 1 – Date of Lead Hazard Evaluation April 16, 2013			
Section 2 – Type of Lead Hazard Evaluation (Check one box only)			
<input checked="" type="checkbox"/> Lead Inspection <input checked="" type="checkbox"/> Risk assessment <input type="checkbox"/> Clearance Inspection <input type="checkbox"/> Other (specify) _____			
Section 3 – Structure Where Lead Hazard Evaluation Was Conducted			
Address [number, street, apartment (if applicable)]		City	County
503 S Raymond Ave		Fullerton	Orange
Zip Code		92831	
Construction date (year) of structure	Type of structure	Children living in structure?	
Unknown	<input checked="" type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	
Section 4 – Owner of Structure (if business/agency, list contact person)			
Name		Telephone number	
Don E Harman (Contact)		323-889-5300	
Address [number, street, apartment (if applicable)]		City	State
AMEC, 6001 Rickenbacker Road		Los Angeles	CA
Zip Code		90040	
Section 5 – Results of Lead Hazard Evaluation (check all that apply)			
<input checked="" type="checkbox"/> No lead-based paint detected <input type="checkbox"/> Intact lead-based paint detected <input type="checkbox"/> Deteriorated lead-based paint detected <input type="checkbox"/> No lead hazards detected <input type="checkbox"/> Lead-contaminated dust found <input type="checkbox"/> Lead-contaminated soil found <input type="checkbox"/> Other _____			
Section 6 – Individual Conducting Lead Hazard Evaluation			
Name		Telephone number	
Zainul Abedin		818-547-1330	
Address [number, street, apartment (if applicable)]		City	State
EEI, 715 N Central Ave, Suite 212		Glendale	CA
Zip Code		91203	
CDPH certification number	Signature	Date	
1151		May 1, 2013	
Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)			
None			
Section 7 – Attachments			

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector
 Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:
 California Department of Public Health
 Childhood Lead Poisoning Prevention Branch Reports
 850 Marina Bay Parkway, Building P, Third Floor
 Richmond, CA 94804-6403
 Fax: (510) 620-5656

CDPH 8552 (6/07)

Environmental Engineering, Inc.

A Minority Consultant

**XRF Lead-Based Paint Measurements
522-532 South Raymond Avenue
Fullerton, California**

**AMEC Environment & Infrastructure, Inc.
Los Angeles, California**

May 1, 2013

Environmental Engineering, Inc.

A Minority Consultant

May 1, 2013
Project No. 2013-018A

Don E Harman
AMEC Environment & Infrastructure, Inc.
6001 Rickenbacker Road
Los Angeles, California 90040

XRF Lead-Based Paint Measurements
522-532 S Raymond Avenue
Fullerton, California 92831

INTRODUCTION

This report presents the results of Environmental Engineering, Inc.'s (EEI) lead-based paint testing of the above property. EEI performed this Lead-Based Paint testing on April 15, 2013 in accordance with the EPA guidelines for lead inspections. The scope of this testing was to perform Lead-Based Paint measurements using a portable X-ray fluorescent (XRF) detector, and to recommend appropriate additional and/or response actions upon findings of the testing, if necessary.

PROPERTY DESCRIPTION

The subject property is a single story commercial business facility. The facility comprised four (4) suites with multiple office cubicles, restrooms, and a shop room in each suite. EEI followed the AMEC assigned room numbers to these office cubicles and other rooms during XRF testing. The facility consists of drywall interiors and block exteriors. The offices have wooden doors and the suites have metal doors and roll ups. The suites have wood framed glass windows. The offices have drywall ceilings and the shops have foiled ceilings. A XRF Lead-Based Paint testing was performed throughout the interior, common, and exterior areas of the units to evaluate the presence of Lead-Based Paint at the property.

LEAD INSPECTOR AND TESTING PROTOCOL

Dr. Zainul Abedin of Environmental Engineering, Inc performed the testing at the Site using an RMD XRF spectrum analyzer instrument. Dr. Abedin has attended the radiation safety course for operation and handling of the RMD instrument and completed 40 hours of OSHA Health & Safety training and California Department of Health Services accredited Lead-Related Construction Inspector and Risk Assessor courses. The XRF testing was conducted using EEI owned XRF RMD's LPA-1 bearing serial number S-1044. The California Department of Health Services, Childhood Lead Poisoning Branch has been implementing a State Certification Model Accreditation Plan adopted from the US EPA. Dr. Zainul Abedin is an accredited Lead Inspector, Risk Assessor, Monitor, and Lead Supervisor in California.

Testing Protocol

The surfaces tested were selected in general consideration of HUD's guidance for Surface Testing Sites (1990 HUD's Interim Guidelines relating to Lead-Based Paint). The action level defined in HUD regulation 24 CFR 965.7068 (53 FR 20803, June 6, 1988), and the HUD Interim Guidelines is a lead concentration above the level of 1.0 mg/cm² when measured by a portable XRF instrument or 0.5% or 5,000 parts per million (ppm) by weight when measured by analytical laboratory methods. HUD considers XRF results between 0.9 to 1.1 mg/cm² inconclusive. The California OSHA established an action level of 600 ppm in accordance with California Title 8 1532.1.

Environmental Engineering, Inc.

*A Minority Consultant**Page 2*

The Orange County Department of Health Services has accepted the State action level of 1.0 mg/cm² or 5,000 ppm. For this report, the State limit of 1.0 mg/cm² was chosen as the action level.

XRF Method Of Testing

Environmental Engineering, Inc. conducted the testing to determine the presence of Lead-Based Paint using a portable X-ray fluorescent (XRF) detector. Applicable surfaces and building components were tested non-destructively by holding the scanner against the surface being tested. At each XRF test location, the LPA-1 scanner shutter key was opened, and the 'quick' mode functions were selected. The testing time under quick mode was auto-adjusted by the XRF machine. Results were reported from the digital display of the instrument console in milligrams of lead per square centimeter of surface area (mg/cm²).

The instrument was calibrated to the manufacturer's specification before and after testing and verified against known lead samples produced by the National Institute of Standards and Testing (NIST). The standard deviation of the Calibration check for the machine was within the manufacturer's specification.

XRF Test Results

Results of EEI's Lead-Based Paint testing are included in Exhibit I of this report. A total of 204 measurements were made during XRF lead-based paint testing. No inconclusive results were observed and no paint chip samples were taken for confirmatory analysis. All test results are organized and shown in actual sequence by room name, shot number, sample location, component, substrate, condition, and results for each component.

Based on XRF testing, lead-based paint above regulatory action limits were not detected on any painted wall, door, window, baseboard, ceiling, and other components, tested in the facility.

Based on XRF testing, lead-based paint above regulatory action limits was detected only on the air conditioner frame above the entrance of the Suite #532 S Raymond Ave in damaged condition.

CONCLUSIONS AND RECOMMENDATIONS

A Lead-Based Paint evaluation was performed of interior, common and exterior surfaces of the Site building. Our evaluation included visual observations of painted surfaces, substrate identifications, and XRF measurements. We summarize our field observations and test results in the followings;

- ❖ The interior building components and paint surfaces observed during Site inspection showed no deterioration, missing components, and no damages in general. Most interior and exterior doors, windows, walls, and other miscellaneous components had intact paint surfaces.
- ❖ Based on XRF testing, Lead-Based Paint above regulatory action limits were not detected on any painted wall, door, window, baseboard, ceiling, and other components tested in the facility.
- ❖ Based on XRF testing, the air conditioner frame above the entrance of the Suite #532 S Raymond Ave was found lead laden in damaged conditions.

Environmental Engineering, Inc.*A Minority Consultant**Page 3*

Based on our findings and observation, we recommend that the lead laden air conditioner frame from Suite 532 S Raymond Avenue be paint-stripped and/or removed using a lead contractor prior to any demolition.

LIMITATION

This testing was planned, developed, and implemented based on Environmental Engineering Inc.'s previous experience in performing lead-based paint testing. This testing was conducted in conformance with HUD Guidelines as published in September 1990 and later. Environmental Engineering, Inc. utilized state-of-the-art-practices and techniques in accordance with regulatory standards, and in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature.

Environmental Engineering, Inc conducted the XRF lead testing in accessible areas of the site. Other conditions may exist in inaccessible or un-surveyed areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. EEI cannot be responsible for changing conditions that may alter the relative exposure risk or for future changes in accepted methodology.

If you have any questions concerning the methodology or the results of this survey, please contact our office at (818) 547-1330.

Sincerely Yours,
ENVIRONMENTAL ENGINEERING, INC,



ZAINUL ABEDIN, PhD, REA
Lead Inspector & Risk Assessor, I/S-1151

Environmental Engineering, Inc.*A Minority Consultant***Exhibit I : XRF Lead Results & Symbol**
522-532 S Raymond Ave, Fullerton

<u>Unit/Room</u> <u>No.</u>	<u>Shot</u> <u>No</u>	<u>Loca</u> <u>-tion</u>	<u>Compo</u> <u>-nent</u>	<u>Subs</u> <u>trate</u>	<u>Condi</u> <u>-tion</u>	<u>Results-</u> <u>(mg/cm²)</u>	<u>Remarks</u>
<u>522 S Raymond Ave</u>							
Room 1	1	A	Wall	Bl	I	0.4	
"	2	B	Wall	DW	I	0.0	
"	3	B	Door	W	I	-0.1	
"	4	B	Door Frame	W	I	0.0	
"	5	B	Door Jamb	W	I	-0.2	
"	6	C	Wall	Bl	I	0.0	
"	7	D	Wall	Bl	I	-0.4	
"	8	D	Window Frame	W	I	0.3	
"	9	Ct	Ceiling	DW	I	-0.1	
Room 2 Restroom 10	A	A	Wall	DW	I	-0.1	
"	11	A	Door	W	I	-0.1	
"	12	A	Door Frame	W	I	-0.2	
"	13	A	Door Jamb	W	I	0.0	
"	14	C	Wall	Bl	I	-0.2	
"	15	D	Wall	DW	I	-0.1	
"	16	Ct	Ceiling	DW	I	-0.1	
Room 3 Restroom 17	A	A	Wall	DW	I	-0.3	
"	18	B	Wall	DW	I	-0.2	
"	19	B	Door	W	I	-0.2	
"	20	B	Door Frame	W	I	-0.1	
"	21	B	Door Jamb	W	I	0.0	
"	22	C	Wall	Bl	I	-0.3	
"	23	D	Wall	DW	I	-0.1	
"	24	Ct	Ceiling	DW	I	-0.1	
Room 4	25	A	Wall	Bl	I	-0.1	
"	26	B	Wall	Bl	I	-0.3	
"	27	B	Door	W	I	0.0	
"	28	B	Door Frame	W	I	-0.2	
"	29	B	Gate	M	I	0.0	Roll-Up
"	30	B	Gate Frame	M	I	-0.3	"
"	31	C	Wall	Bl	I	-0.3	
"	32	D	Wall	DW	I	-0.3	
<u>524 S Raymond Ave</u>							
Room 1	33	A	Wall	DW	I	0.0	
"	34	B	Wall	DW	I	-0.2	
"	35	B	Door	W	I	-0.1	
"	36	B	Door Frame	W	I	-0.1	
"	37	B	Door Jamb	W	I	-0.1	
"	38	C	Wall	Bl	I	0.4	
"	39	D	Wall	DW	I	-0.2	
"	40	Ct	Ceiling	S	I	0.1	

Environmental Engineering, Inc.*A Minority Consultant*

Room 2	41	A	Wall	DW	I	-0.2
"	42	B	Wall	DW	I	-0.2
"	43	B	Door	W	I	-0.2
"	44	B	Door Frame	W	I	-0.2
"	45	B	Door Jamb	W	I	-0.1
"	46	C	Wall	DW	I	-0.1
"	47	D	Wall	DW	I	-0.2
"	48	D	Window Sill	W	I	0.0
"	49	D	Window Sash	W	I	-0.1
"	50	D	Window Frame	W	I	-0.2
"	51	Ct	Ceiling	S	I	0.2
Room 3 Restroom 52	A	Wall	DW	I	-0.2	
"	53	A	Door	W	I	-0.1
"	54	A	Door Jamb	W	I	-0.1
"	55	A	Door Frame	W	I	-0.2
"	56	B	Wall	DW	I	-0.2
"	57	C	Wall	Bl	I	-0.3
"	58	D	Wall	DW	I	-0.2
"	59	Ct	Ceiling	DW	I	-0.2
Room 4						
"	60	A	Wall	DW	I	-0.3
"	61	B	Wall	DW	I	-0.1
"	62	C	Wall	DW	I	-0.1
"	63	C	Door	W	I	0.0
"	64	C	Door Jamb	W	I	-0.2
"	65	C	Door Frame	W	I	-0.1
"	66	D	Wall	DW	I	0.0
"	67	D	Door	W	I	-0.3
"	68	D	Door Frame	W	I	-0.2
"	69	D	Door Jamb	W	I	-0.1
Room 5	70	A	Wall	DW	I	-0.1
"	71	B	Wall	DW	I	-0.2
"	72	B	Door	W	I	-0.1
"	73	B	Door Jamb	W	I	-0.2
"	74	B	Door Frame	W	I	0.0
"	75	C	Wall	Bl	I	0.1
"	76	D	Wall	DW	I	0.1
"	77	Ct	Ceiling	DW	I	-0.1
Room 6	78	A	Wall	Bl	I	-0.1
"	79	B	Wall	Bl	I	-0.5
"	80	B	Door	W	I	-0.1
"	81	B	Door Frame	W	I	-0.3
"	82	C	Wall	Bl	I	-0.1
"	83	D	Wall	W	I	-0.1
"	84	D	Door Frame	W	I	-0.2
"	85	D	Door	W	I	-0.2
"	86	D	Door Frame	W	I	-0.1
"	87	D	Door Jamb	W	I	-0.1

Room 4

Room 5

"

"

Environmental Engineering, Inc.*A Minority Consultant*526 S Raymond Ave

Room 1	88	A	Wall	W	I	-0.2	
"	89	B	Wall	DW	I	-0.4	
"	90	C	Wall	Bl	I	-0.2	
"	91	D	Wall	Bl	I	-0.1	
"	92	D	Window Frame	W	I	-0.2	
"	93	Ct	Ceiling	DW	I	-0.1	
"	94	A	Baseboard	W	I	-0.2	
"	95	B	Baseboard	W	I	-0.1	
"	96	C	Door Frame	W	I	-0.1	Boarded
Room 2	97	A	Wall	DW	I	-0.1	
"	98	A	Door	W	I	-0.2	
"	99	A	Door Frame	W	I	-0.2	
"	100	A	Door Jamb	W	I	-0.1	
"	101	B	Wall	DW	I	-0.2	
"	102	C	Wall	DW	I	0.0	
"	103	D	Wall	DW	I	-0.1	
"	104	Ct	Ceiling	DW	I	-0.2	
Room 3	105	A	Wall	DW	I	-0.3	
"	106	B	Wall	DW	I	-0.4	
"	107	B	Door	W	I	0.0	
"	108	B	Door Frame	W	I	0.0	
"	109	B	Door Jamb	W	I	0.0	
"	110	C	Wall	DW	I	-0.2	
"	111	C	Door Frame	W	I	0.0	
"	112	C	Door Jamb	W	I	-0.1	
"	113	D	Wall	DW	I	-0.2	
Room 4	114	A	Wall	DW	I	-0.2	
"	115	B	Wall	DW	I	0.0	
"	116	B	Door	W	I	-0.1	
"	117	B	Door Frame	W	I	0.0	
"	118	B	Door Jamb	W	I	-0.1	
"	119	C	Wall	DW	I	-0.1	
"	120	D	Wall	DW	I	-0.2	
"	121	D	Door	W	I	-0.2	
"	122	D	Door Frame	W	I	0.0	
"	123	D	Door Jamb	W	I	-0.1	
Room 5	124	A	Wall	Bl	I	-0.3	
"	125	A	Gate	W	I	-0.2	
"	126	B	Wall	Bl	I	-0.2	
"	127	C	Wall	Bl	I	-0.5	
"	128	C	Door	W	I	-0.3	Boarded
"	129	D	Wall	DW	I	-0.2	
"	130	Mid	Column	W	I	0.0	
"	131	Mid	Beam	W	I	-0.2	

Environmental Engineering, Inc.*A Minority Consultant*

Room 6 Restroom 132	A	Wall	DW	I	-0.2
" 133	B	Wall	DW	I	-0.2
" 134	B	Door	W	I	-0.1
" 135	B	Door Frame	W	I	0.0
" 136	B	Door Jamb	W	I	-0.2
" 137	C	Wall	Bl	I	-0.2
" 138	D	Wall	DW	I	-0.3
" 139	Ct	Ceiling	DW	I	-0.1

532 S Raymond Ave

Room 1	140	A	Wall	DW	I	-0.1
"	141	C	Wall	Bl	I	0.0
"	142	D	Wall	Bl	I	-0.1
"	143	B	Door	W	I	-0.1
"	144	B	Door Frame	W	I	0.0
"	145	B	Door Jamb	W	I	-0.2

Room 8	146	A	Wall	DW	I	-0.2
"	147	A	Door	W	I	-0.1
"	148	A	Door Frame	W	I	-0.2
"	149	A	Door Jamb	W	I	-0.1
"	150	B	Wall	DW	I	-0.2
"	151	C	Wall	Bl	I	-0.4
"	152	D	Wall	DW	I	-0.4
"	153	Ct	Ceiling	DW	I	-0.2
"	154	D	Baseboard	W	D	0.0
"	155	A	Baseboard	W	D	-0.1
"	156	B	Baseboard	W	D	-0.2

Room 3	157	A	Wall	Bl	I	-0.3
"	158	C	Wall	DW	I	0.1
"	159	D	Wall	DW	I	-0.1
"	160	D	Heater Cover	M	I	-0.1
"	161	D	Door	W	I	-0.1
"	162	D	Door Frame	W	I	-0.2
"	163	D	Door Jamb	W	I	-0.1

Room 1
"
"

Room 2	164	A	Wall	Bl	I	-0.1
"	165	A	Door	W	I	0.0
"	166	A	Door Frame	W	I	-0.1
"	167	B	Wall	DW	I	-0.2
"	168	B	Door Frame	W	I	-0.1
"	169	B	Door Jamb	W	I	-0.2
"	170	C	Wall	DW	I	-0.3
"	171	D	Wall	Bl	I	-0.2
"	172	D	Window Frame	W	I	0.1

Room 5	173	B	Wall	Wp	I	-0.1
"	174	C	Wall	DW	I	-0.1
"	175	D	Wall	DW	I	-0.2
"	176	D	Door Frame	W	I	-0.1
"	177	D	Door Jamb	W	I	-0.2

Environmental Engineering, Inc.*A Minority Consultant*

"	178	B	Shower Wall	Cm	I	-0.2	
"	179	C	Shower Wall	Cm	I	-0.2	
Room 4	180	A	Wall	DW	I	-0.2	
"	181	A	Door Frame	W	I	-0.2	
"	182	B	Wall	DW	I	-0.2	
"	183	C	Wall	Bl	I	-0.2	
"	184	D	Wall	DW	I	-0.2	
"	185	Ct	Ceiling	DW	I	0.0	
Building Exterior							
"	186	A	Wall	Bl	I	-0.1	NE, 526 S Raymond Ave
"	187	B	Wall	Bl	I	-0.1	NE, 522 S Raymond Ave
"	188	B	Gate	W	I	-0.1	522 S Raymond Ave
"	189	B	Gate Frame	W	I	-0.2	"
"	190	B	Gate Frame	W	I	-0.2	524 S Raymond Ave
"	191	A	Gate	W	D	-0.1	526 S Raymond Ave
"	192	A	Wall	Bl	I	-0.1	522 S Raymond Ave
"	193	D	Wall	Bl	I	0.1	"
"	194	D	Window Frame	W	I	0.2	" North
"	195	D	Window Apron	W	I	-0.2	"
"	196	D	Awnings	M	D	0.3	526 S Raymond Ave
"	197	D	Awnings Frame	M	D	0.3	"
"	198	D	AC Frame	M	D	1.2	532 S Raymond Ave
Roof	199	B	Blue Wall	Bl	I	0.0	526 S Raymond Ave
"	200	A	Air Handler	M	I	-0.1	522 S Raymond Ave
"	201	B	Parapet Cap	M	I	-0.2	526 S Raymond Ave
"	202	C	Parapet Cap	M	I	-0.1	532 S Raymond Ave
"	203	D	Ad Sign	M	I	-0.1	526 S Raymond Ave
"	204	C	Air Handlers	M	I	-0.2	532 S Raymond Ave

XRF Lead-Based Paint Measurements
Substrate & Abbreviation Used

Bl	Block	Ct	Center/Middle
Cm	Ceramic Tile	Cn	Concrete
D	Damaged	DW	Drywall
I	Intact	M	Metal
NE	Northeast	NW	Northwest
P	Plaster	S	Stucco
SE	Southeast	SW	Southwest
W	Wood	WV	Wood Vinyl
Wp	Wall Paper		

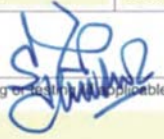
Locations	A	North Side
Locations	B	East Side/ right side
Locations	C	South Side
Locations	D	West Side/ left side

Environmental Engineering, Inc.*A Minority Consultant***CDPH Form 8552**

State of California—Health and Human Services Agency

California Department of Public Health

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation April 15, 2013			
Section 2 — Type of Lead Hazard Evaluation (Check one box only)			
<input checked="" type="checkbox"/> Lead Inspection <input checked="" type="checkbox"/> Risk assessment <input type="checkbox"/> Clearance Inspection <input type="checkbox"/> Other (specify) _____			
Section 3 — Structure Where Lead Hazard Evaluation Was Conducted			
Address [number, street, apartment (if applicable)]		City	County
522-532 S Raymond Avenue		Fullerton	Orange
Zip Code		92831	
Construction date (year) of structure	Type of structure	Children living in structure?	
Unknown	<input checked="" type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	
Section 4 — Owner of Structure (if business/agency, list contact person)			
Name		Telephone number	
Don E Harman (Contact), AMEC		323-889-5300	
Address [number, street, apartment (if applicable)]		City	State
6001 Rickenbacker Road		Los Angeles	CA
Zip Code		90040	
Section 5 — Results of Lead Hazard Evaluation (check all that apply)			
<input type="checkbox"/> No lead-based paint detected <input type="checkbox"/> Intact lead-based paint detected <input checked="" type="checkbox"/> Deteriorated lead-based paint detected <input type="checkbox"/> No lead hazards detected <input type="checkbox"/> Lead-contaminated dust found <input type="checkbox"/> Lead-contaminated soil found <input type="checkbox"/> Other _____			
Section 6 — Individual Conducting Lead Hazard Evaluation			
Name		Telephone number	
Zainul Abedin, Environmental Engineering, Inc		818-547-1330	
Address [number, street, apartment (if applicable)]		City	State
715 N Central Avenue, Suite 212		Glendale	CA
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CDPH certification number	Signature	Date	
1151		May 1, 2013	
Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)			
None			
Section 7 — Attachments			
A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint; B. Each testing method, device, and sampling procedure used; C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.			

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 California Department of Public Health
 Childhood Lead Poisoning Prevention Branch Reports
 850 Marina Bay Parkway, Building P, Third Floor
 Richmond, CA 94804-6403
 Fax: (510) 620-5656

CDPH 8552 (6/07)

Environmental Engineering, Inc.

A Minority Consultant

**XRF Lead-Based Paint Measurements
535 South Raymond Avenue
Fullerton, California**

**AMEC Environment & Infrastructure, Inc.
Los Angeles, California**

May 1, 2013

Environmental Engineering, Inc.

A Minority Consultant

May 1, 2013
Project No. 2013-018C

Don E Harman
AMEC Environment & Infrastructure, Inc.
6001 Rickenbacker Road
Los Angeles, California 90040

XRF Lead-Based Paint Measurements
535 S Raymond Avenue
Fullerton, California 92831

INTRODUCTION

This report presents the results of Environmental Engineering, Inc.'s (EEI) lead-based paint testing of the above property. EEI performed this Lead-Based Paint testing on April 19, 2013 in accordance with the EPA guidelines for lead inspections. The scope of this testing was to perform Lead-Based Paint measurements using a portable X-ray fluorescent (XRF) detector, and to recommend appropriate additional and/or response actions upon findings of the testing, if necessary.

PROPERTY DESCRIPTION

The subject property is a single story commercial business facility. The facility consists of multiple office cubicles, restrooms, and a shop room. EEI followed the AMEC assigned room numbers to these office cubicles and other rooms during XRF testing. The facility consists of drywall interiors and concrete exteriors. The offices have wooden doors and wood framed glass windows. The offices have drywall ceilings and the shops have foiled ceilings. A XRF Lead-Based Paint testing was performed throughout the interior, common, and exterior areas of the units to evaluate the presence of Lead-Based Paint at the property.

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Dr. Zainul Abedin of Environmental Engineering, Inc performed the testing at the Site using an RMD XRF spectrum analyzer instrument. Dr. Abedin has attended the radiation safety course for operation and handling of the RMD instrument and completed 40 hours of OSHA Health & Safety training and California Department of Health Services accredited Lead-Related Construction Inspector and Risk Assessor courses. The XRF testing was conducted using EEI owned XRF RMD's LPA-1 bearing serial number S-1044. The California Department of Health Services, Childhood Lead Poisoning Branch has been implementing a State Certification Model Accreditation Plan adopted from the US EPA. Dr. Zainul Abedin is an accredited Lead Inspector, Risk Assessor, Monitor, and Lead Supervisor in California.

Testing Protocol

The surfaces tested were selected in general consideration of HUD's guidance for Surface Testing Sites (1990 HUD's Interim Guidelines relating to Lead-Based Paint). The action level defined in HUD regulation 24 CFR 965.7068 (53 FR 20803, June 6, 1988), and the HUD Interim Guidelines is a lead concentration above the level of 1.0 mg/cm² when measured by a portable XRF instrument or 0.5% or 5,000 parts per million (ppm) by weight when measured by analytical laboratory methods. HUD considers XRF results between 0.9 to 1.1 mg/cm² inconclusive. The California OSHA established an action level of 600 ppm in accordance with California Title 8 1532.1.

Environmental Engineering, Inc.

*A Minority Consultant**Page 2*

The Orange County Department of Health Services has accepted the State action level of 1.0 mg/cm² or 5,000 ppm. For this report, the State limit of 1.0 mg/cm² was chosen as the action level.

XRF Method Of Testing

Environmental Engineering, Inc. conducted the testing to determine the presence of Lead-Based Paint using a portable X-ray fluorescent (XRF) detector. Applicable surfaces and building components were tested non-destructively by holding the scanner against the surface being tested. At each XRF test location, the LPA-1 scanner shutter key was opened, and the 'quick' mode functions were selected. The testing time under quick mode was auto-adjusted by the XRF machine. Results were reported from the digital display of the instrument console in milligrams of lead per square centimeter of surface area (mg/cm²).

The instrument was calibrated to the manufacturer's specification before and after testing and verified against known lead samples produced by the National Institute of Standards and Testing (NIST). The standard deviation of the Calibration check for the machine was within the manufacturer's specification.

XRF Test Results

Results of EEI's Lead-Based Paint testing are included in Exhibit I of this report. A total of 75 measurements were made during XRF lead-based paint testing. No inconclusive results were observed and no paint chip samples were taken for confirmatory analysis. All test results are organized and shown in actual sequence by room name, shot number, sample location, component, substrate, condition, and results for each component.

Based on XRF testing, lead-based paint above regulatory action limits were not detected on any painted wall, door, window, baseboard, ceiling, and other components tested in the facility.

CONCLUSIONS AND RECOMMENDATIONS

A Lead-Based Paint evaluation was performed of interior, common and exterior surfaces of the Site buildings. Our evaluation included visual observations of painted surfaces, substrate identifications, and XRF measurements. We summarize our field observations and test results in the followings:

- ❖ The interior building components and paint surfaces observed during Site inspection showed no deterioration, missing components, and no damages in general. Most interior and exterior doors, windows, walls, and other miscellaneous components had intact paint surfaces.
- ❖ Based on XRF testing, Lead-Based Paint above regulatory action limits were not detected on any painted components tested in the facility.

Based on our findings and observation, we recommend no further action at the facility.

Environmental Engineering, Inc.*A Minority Consultant**Page 3***LIMITATION**

This testing was planned, developed, and implemented based on Environmental Engineering Inc.'s previous experience in performing lead-based paint testing. This testing was conducted in conformance with HUD Guidelines as published in September 1990 and later. Environmental Engineering, Inc. utilized state-of-the-art-practices and techniques in accordance with regulatory standards, and in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature.

Environmental Engineering, Inc conducted the XRF lead testing in accessible areas of the site. Other conditions may exist in inaccessible or un-surveyed areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. EEI cannot be responsible for changing conditions that may alter the relative exposure risk or for future changes in accepted methodology.

If you have any questions concerning the methodology or the results of this survey, please contact our office at (818) 547-1330.

Sincerely Yours,
ENVIRONMENTAL ENGINEERING, INC,



ZAINUL ABEDIN, PhD, REA
Lead Inspector & Risk Assessor, I/S-1151

Environmental Engineering, Inc.*A Minority Consultant***Exhibit I : XRF Lead Results & Symbol**
535 S Raymond Ave, Fullerton

<u>Unit/Room</u> <u>No.</u>	<u>Shot</u> <u>No</u>	<u>Loca</u> <u>-tion</u>	<u>Compo</u> <u>-nent</u>	<u>Subs</u> <u>trate</u>	<u>Condi</u> <u>-tion</u>	<u>Results-</u> <u>(mg/cm²)</u>	<u>Remarks</u>
Room 1	1	A	Wall	DW	I	0.0	
"	2	A	Door	W	I	-0.1	
"	3	A	Door Frame	W	I	0.0	
"	4	A	Door Jamb	W	I	0.1	
"	5	C	Wall	DW	I	-0.2	
"	6	D	Wall	DW	I	-0.2	
"	7	D	Door	W	I	-0.2	
"	8	D	Door Frame	W	I	0.0	
"	9	D	Door Jamb	W	I	0.0	
Room 2	10	A	Wall	DW	I	-0.1	
"	11	A	Door Frame	W	I	-0.2	
"	12	A	Door Jamb	W	I	-0.2	
"	13	B	Wall	DW	I	-0.4	
"	14	B	Door	W	I	-0.4	Room 9
"	15	B	Door Frame	W	I	-0.1	"
"	16	B	Door Jamb	W	I	-0.2	"
"	17	C	Wall	DW	I	-0.1	
"	18	C	Door	W	I	-0.2	Room 4
"	19	C	Door Frame	W	I	-0.1	"
"	20	C	Door Jamb	W	I	-0.1	"
"	21	D	Wall	DW	I	-0.3	
"	22	D	Door	W	I	-0.3	
"	23	D	Door Frame	W	I	-0.1	
"	24	D	Door Jamb	W	I	-0.2	
"	25	Ct	Ceiling	Sa	I	0.3	
Room 3	26	A	Wall	DW	I	-0.2	
"	27	A	Door	W	I	-0.3	
"	28	A	Door Frame	W	I	-0.1	
"	29	A	Door Jamb	W	I	-0.2	
"	30	A	Wall	PB	I	-0.1	
"	31	C	Wall	DW	I	-0.2	
"	32	C	Wall	PB	I	-0.2	
"	33	D	Wall	DW	I	-0.2	
"	34	D	Wall	PB	I	-0.3	
"	35	Ct	Ceiling	DW	I	-0.2	
Room 4	36	A	Wall	DW	I	-0.2	
"	37	A	Door	W	I	-0.4	
"	38	A	Door Frame	W	I	-0.1	
"	39	A	Door Jamb	W	I	-0.3	
"	40	A	Wall	PB	I	-0.3	
"	41	B	Wall	DW	I	-0.3	
"	42	B	Wall	PB	I	-0.2	
"	43	C	Wall	DW	I	-0.2	
"	44	C	Wall	PB	I	-0.3	

Environmental Engineering, Inc.*A Minority Consultant*

"	45	D	Wall	DW	I	-0.3
"	46	D	Wall	PB	I	-0.2
Room 5	47	A	Wall	DW	I	-0.2
"	48	B	Wall	DW	I	-0.2
"	49	C	Wall	DW	I	-0.2
"	50	D	Wall	DW	I	-0.5
"	51	Ct	Floor	Cn	I	0.0
Room 6	52	A	Wall	DW	I	-0.3
"	53	B	Wall	DW	I	-0.2
"	54	C	Wall	DW	I	-0.2
"	55	C	Door	W	I	-0.3
"	56	C	Door Frame	W	I	0.0
"	57	C	Door Jamb	W	I	-0.1
Room 7	58	A	Wall	DW	I	-0.1
"	59	B	Wall	DW	I	-0.3
"	60	B	Door	W	I	-0.1
"	61	B	Door Frame	W	I	0.0
"	62	B	Door Jamb	W	I	0.0
"	63	C	Wall	DW	I	-0.2
"	64	C	Door	W	I	0.0
"	65	C	Door Frame	W	I	0.0
"	66	C	Door Jamb	W	I	0.0
"	67	D	Wall	DW	I	-0.3
"	68	Ct	Ceiling	Sa	I	-0.1
Room 8	69	A	Wall	DW	I	-0.3
"	70	B	Wall	DW	I	-0.2
"	71	C	Wall	W	I	-0.2
"	72	D	Wall	W	I	-0.1
"	73	D	Door	W	I	-0.2
"	74	D	Door Frame	W	I	0.0
"	75	D	Door Jamb	W	I	0.1

XRF Lead-Based Paint Measurements
Substrate & Abbreviation Used

Bl	Block	Ct	Center/Middle
Cm	Ceramic Tile	Cn	Concrete
D	Damaged	DW	Drywall
I	Intact	M	Metal
NE	Northeast	NW	Northwest
PB	Plastic Board	Sa	Spray
SE	Southeast	SW	Southwest
W	Wood	WV	Wood Vinyl
Wp	Wall Paper		
Locations	A	North Side	
Locations	B	East Side/ right side	
Locations	C	South Side	
Locations	D	West Side/ left side	

Environmental Engineering, Inc.*A Minority Consultant***CDPH Form 8552**

State of California—Health and Human Services Agency

California Department of Public Health

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation April 19, 2013			
Section 2 — Type of Lead Hazard Evaluation (Check one box only)			
<input checked="" type="checkbox"/> Lead Inspection <input checked="" type="checkbox"/> Risk assessment <input type="checkbox"/> Clearance Inspection <input type="checkbox"/> Other (specify) _____			
Section 3 — Structure Where Lead Hazard Evaluation Was Conducted			
Address [number, street, apartment (if applicable)]		City	County
535 S Raymond Ave		Fullerton	Orange
Zip Code		92831	
Construction date (year) of structure	Type of structure	Children living in structure?	
Unknown	<input checked="" type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	
Section 4 — Owner of Structure (if business/agency, list contact person)			
Name		Telephone number	
Don E Harman (Contact)		323-889-5300	
Address [number, street, apartment (if applicable)]		City	State
AMEC, 6001 Rickenbacker Road		Los Angeles	CA
Zip Code		90040	
Section 5 — Results of Lead Hazard Evaluation (check all that apply)			
<input checked="" type="checkbox"/> No lead-based paint detected <input type="checkbox"/> Intact lead-based paint detected <input type="checkbox"/> Deteriorated lead-based paint detected <input type="checkbox"/> No lead hazards detected <input type="checkbox"/> Lead-contaminated dust found <input type="checkbox"/> Lead-contaminated soil found <input type="checkbox"/> Other _____			
Section 6 — Individual Conducting Lead Hazard Evaluation			
Name		Telephone number	
Zainul Abedin		818-547-1330	
Address [number, street, apartment (if applicable)]		City	State
EEI, 715 N Central Ave, Suite 212		Glendale	CA
Zip Code		91203	
CDPH certification number	Signature	Date	
1151		May 1, 2013	
Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)			
None			
Section 7 — Attachments			
A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint; B. Each testing method, device, and sampling procedure used; C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.			

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

 California Department of Public Health
 Childhood Lead Poisoning Prevention Branch Reports
 850 Marina Bay Parkway, Building P, Third Floor
 Richmond, CA 94804-6403
 Fax: (510) 620-5656

CDPH 8552 (6/07)

Environmental Engineering, Inc.

A Minority Consultant

**XRF Lead Based Paint Measurements
1128 East Walnut Avenue
Fullerton, California**

**AMEC Environment & Infrastructure, Inc.
Los Angeles, California**

May 1, 2013

Environmental Engineering, Inc.

A Minority Consultant

April 30, 2013
Project No. 2013-018D

Don E Harman
AMEC Environment & Infrastructure, Inc.
6001 Rickenbacker Road
Los Angeles, California 90040

XRF Lead Based Paint Measurements
1128 East Walnut Avenue
Fullerton, California 92831

INTRODUCTION

This report presents the results of Environmental Engineering, Inc.'s (EEI) lead-based paint testing of the above property. EEI performed this lead based paint testing on April 15, 2013 in accordance with the EPA guidelines for lead inspections. The scope of this testing was to perform lead based paint measurements using a portable X-ray fluorescent (XRF) detector, and to recommend appropriate additional and/or response actions upon findings of the testing, if necessary.

PROPERTY DESCRIPTION

The subject property is a single story single-family house with an attached garage. It has three (3) bedrooms, one (1) bathroom, a living room, and a kitchen. The attached garage is converted into a bedroom. The house consists of drywall interiors and stucco exteriors. The house has wooden doors and wood framed glass windows. A XRF lead based paint testing was performed throughout interior, common, and exterior areas of the units to evaluate the presence of lead based paint at the property.

LEAD INSPECTOR AND TESTING PROTOCOL

Dr. Zainul Abedin of Environmental Engineering, Inc performed the testing at the Site using an RMD XRF spectrum analyzer instrument. Dr. Abedin has attended the radiation safety course for operation and handling of the RMD instrument and completed 40 hours of OSHA Health & Safety training and California Department of Health Services accredited Lead-Related Construction Inspector and Risk Assessor courses. The XRF testing was conducted using EEI owned XRF RMD's LPA-1 bearing serial number S-1044. The California Department of Health Services, Childhood Lead Poisoning Branch has been implementing a State Certification Model Accreditation Plan adopted from the US EPA. Dr. Zainul Abedin is an accredited Lead Inspector, Risk Assessor, Monitor, and Lead Supervisor in California.

Testing Protocol

The surfaces tested were selected in general consideration of HUD's guidance for Surface Testing Sites (1990 HUD's Interim Guidelines relating to Lead-Based Paint). The action level defined in HUD regulation 24 CFR 965.7068 (53 FR 20803, June 6, 1988), and the HUD Interim Guidelines is a lead concentration above the level of 1.0 mg/cm² when measured by a portable XRF instrument or 0.5% or 5,000 parts per million (ppm) by weight when measured by analytical laboratory methods. HUD considers XRF results between 0.9 to 1.1 mg/cm² inconclusive. The California OSHA established an action level of 600 ppm in accordance with California Title 8 1532.1.

Environmental Engineering, Inc.

*A Minority Consultant**Page 2*

The Orange County Department of Health Services has accepted the State action level of 1.0 mg/cm² or 5,000 ppm. For this report, the State limit of 1.0 mg/cm² was chosen as the action level.

XRF Method Of Testing

Environmental Engineering Inc conducted the testing to determine the presence of lead based paint using a portable X-ray fluorescent (XRF) detector. Applicable surfaces and building components were tested non-destructively by holding the scanner against the surface being tested. At each XRF test location, the LPA-1 scanner shutter key was opened, and the 'quick' mode functions were selected. The testing time under quick mode was auto-adjusted by the XRF machine. Results were reported from the digital display of the instrument console in milligrams of lead per square centimeter of surface area (mg/cm²).

The instrument was calibrated to the manufacturer's specification before and after testing and verified against known lead samples produced by the National Institute of Standards and Testing (NIST). The standard deviation of the Calibration check for the machine was within the manufacturer's specification.

XRF Test Results

Results of EEI's lead based paint testing are included in Exhibit I of this report. A total of 107 measurements were made during XRF lead-based paint testing. No inconclusive results were observed and no paint chip samples were taken for confirmatory analysis. All test results are organized and shown in actual sequence by room name, shot number, sample location, component, substrate, condition and results for each component.

Based on XRF testing, lead-based paint above regulatory action limits were not detected on painted wall, door, window, baseboard, ceiling, and other components in the house.

CONCLUSIONS AND RECOMMENDATIONS

A lead based paint evaluation was performed at interior, common and exterior surfaces of the Site buildings. Our evaluation included visual observations of painted surfaces, substrate identifications, and XRF measurements. We summarize our field observations and test results in the followings;

- ❖ The interior building components and paint surfaces observed during Site inspection showed no deterioration, missing components, and no damages in general. Most interior and exterior doors, windows, walls, and other miscellaneous components had intact paint surfaces.
- ❖ Based on XRF testing, lead-based paint above regulatory action limits were not detected in the house.

Based on our findings and observation, we recommend no further action at the facility.

Environmental Engineering, Inc.*A Minority Consultant**Page 3***LIMITATION**

This testing was planned, developed, and implemented based on Environmental Engineering Inc.'s previous experience in performing lead-based paint testing. This testing was conducted in conformance with HUD Guidelines as published in September 1990 and later. Environmental Engineering, Inc, utilized state-of-the-art-practices and techniques in accordance with regulatory standards, and in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature.

Environmental Engineering, Inc conducted the XRF lead testing in accessible areas of the site. Other conditions may exist in inaccessible or un-surveyed areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. EEI cannot be responsible for changing conditions that may alter the relative exposure risk or for future changes in accepted methodology.

If you have any questions concerning the methodology or the results of this survey, please contact our office at (818) 547-1330.

Sincerely Yours,
ENVIRONMENTAL ENGINEERING, INC,



ZAINUL ABEDIN, PhD, REA
Lead Inspector & Risk Assessor, I/S-1151

Environmental Engineering, Inc.*A Minority Consultant***Exhibit I : XRF Lead Results & Symbol**
1128 E Walnut Ave, Fullerton

<u>Unit/Room</u> <u>No.</u>	<u>Shot</u> <u>No</u>	<u>Loca</u> <u>-tion</u>	<u>Compo</u> <u>-nent</u>	<u>Subs</u> <u>trate</u>	<u>Condi</u> <u>-tion</u>	<u>Results-</u> <u>(mg/cm²)</u>	<u>Remarks</u>
Living Room	1	A	Wall	DW	I	-0.4	
"	2	A	Door	W	I	-0.1	
"	4	A	Door Frame	W	I	-0.1	
"	5	A	Door Jamb	W	I	-0.3	
"	5	B	Wall	DW	I	-0.3	
"	6	B	Baseboard	W	I	0.1	
"	7	D	Wall	DW	I	-0.1	
"	8	D	Baseboard	W	I	0.0	
"	9	Ct	Ceiling	DW	I	-0.2	
Kitchen	10	A	Wall	DW	I	-0.2	
"	11	A	Cabinet Door	W	I	0.0	Bottom
"	12	A	Counter	Cm	I	-0.2	
"	13	B	Closet Door	W	I	-0.1	
"	14	B	Cabinet Door	W	I	-0.2	
"	15	C	Wall	DW	I	-0.1	
"	16	C	Door Frame	W	I	-0.1	
"	17	C	Counter	Cm	I	-0.4	
"	18	C	Cabinet Door	W	I	-0.1	Bottom
"	19	Ct	Ceiling	DW	I	-0.3	
Bedroom 1	20	A	Wall	DW	I	-0.2	
"	21	B	Wall	DW	I	-0.1	
"	22	B	Door Frame	W	I	-0.1	
"	23	B	Baseboard	W	I	-0.1	
"	24	C	Door	W	I	-0.1	
"	25	C	Door Frame	W	I	0.0	
"	26	C	Door Jamb	W	I	-0.2	
"	27	C	Closet Door	W	I	-0.1	
"	28	C	Cabinet Door	W	I	0.0	
"	29	D	Wall	DW	I	-0.3	
"	30	D	Baseboard	W	I	-0.1	
"	31	Ct	Ceiling	DW	I	-0.2	
Bedroom 3 (Garage)	32	A	Wall	DW	I	-0.2	
"	33	B	Wall	DW	I	-0.3	
"	34	B	Baseboard	W	I	-0.1	
"	33	C	Wall	DW	I	-0.2	
"	34	C	Baseboard	W	I	-0.1	
"	35	D	Wall	DW	I	-0.3	
"	36	D	Door Frame	W	I	-0.2	
"	37	Ct	Ceiling	DW	I	-0.3	

Environmental Engineering, Inc.*A Minority Consultant*

Bedroom 2	38	A	Wall	DW	I	-0.2	
"	39	A	Closet Frame	W	I	0.0	
"	40	A	Cabinet Door	W	I	-0.1	
"	41	B	Wall	DW	I	-0.3	
"	42	B	Baseboard	W	I	0.0	
"	43	C	Wall	DW	I	-0.2	
"	44	C	Baseboard	W	I	0.0	
"	45	D	Wall	DW	I	0.0	
"	46	D	Door	W	I	-0.2	
"	47	D	Door Frame	W	I	-0.1	
"	48	D	Door Jamb	W	I	-0.2	
"	49	D	Baseboard	W	I	0.0	
"	50	Ct	Ceiling	W	I	-0.1	
Bathroom	51	A	Wall	DW	I	-0.2	
"	52	A	Wall	W	I	0.0	
"	53	A	Door	W	I	-0.2	
"	54	A	Door Jamb	W	I	-0.1	
"	55	A	Door Frame	W	I	-0.2	
"	56	B	Wall	DW	I	-0.1	
"	57	B	Wall	W	I	-0.1	
"	58	C	Shower Wall	Cm	I	-0.1	
"	59	D	Wall	DW	I	-0.2	
"	60	D	Wall	W	I	0.0	
Hallway	61	A	Closet Door	W	I	-0.2	
"	62	A	Cabinet Door	W	I	-0.1	
"	63	B	Door	W	I	0.0	Bedroom 2
"	64	B	Door Jamb	W	I	0.0	"
"	65	B	Door Frame	W	I	0.0	"
"	66	C	Wall	DW	I	-0.3	
"	67	Ct	Ceiling	DW	I	0.0	
House Exterior	68	A	Wall	Sp	I	0.1	
"	69	A	Wall	W	I	-0.2	
"	70	A	Handrail Post	W	I	-0.2	Entrance Porch
"	71	A	Handrail	W	I	-0.1	"
"	72	A	Window Apron	W	I	0.2	Bedroom 1
"	73	A	Window Shutter	W	I	0.3	"
"	74	A	Eve Stud	W	I	0.1	Entrance Porch
"	75	A	Fascia	W	I	0.2	"
"	76	A	Eve	W	I	0.2	"
"	77	A	Garage Frame	W	I	0.3	
"	78	A	Garage Door	W	I	0.0	
"	79	A	Side Gate	W	I	-0.3	East of Garage
"	80	B	Wall	Sp	I	0.2	
"	81	B	Wall	W	I	-0.4	
"	82	B	Eve	W	I	0.2	
"	83	B	Eve Stud	W	I	0.3	
"	84	B	Fascia	W	I	0.4	
"	85	C	Wall	Sp	I	-0.3	
"	86	C	Ceiling	W	I	-0.1	Rear Patio
"	87	C	Beam	W	I	-0.2	"

Environmental Engineering, Inc.*A Minority Consultant*

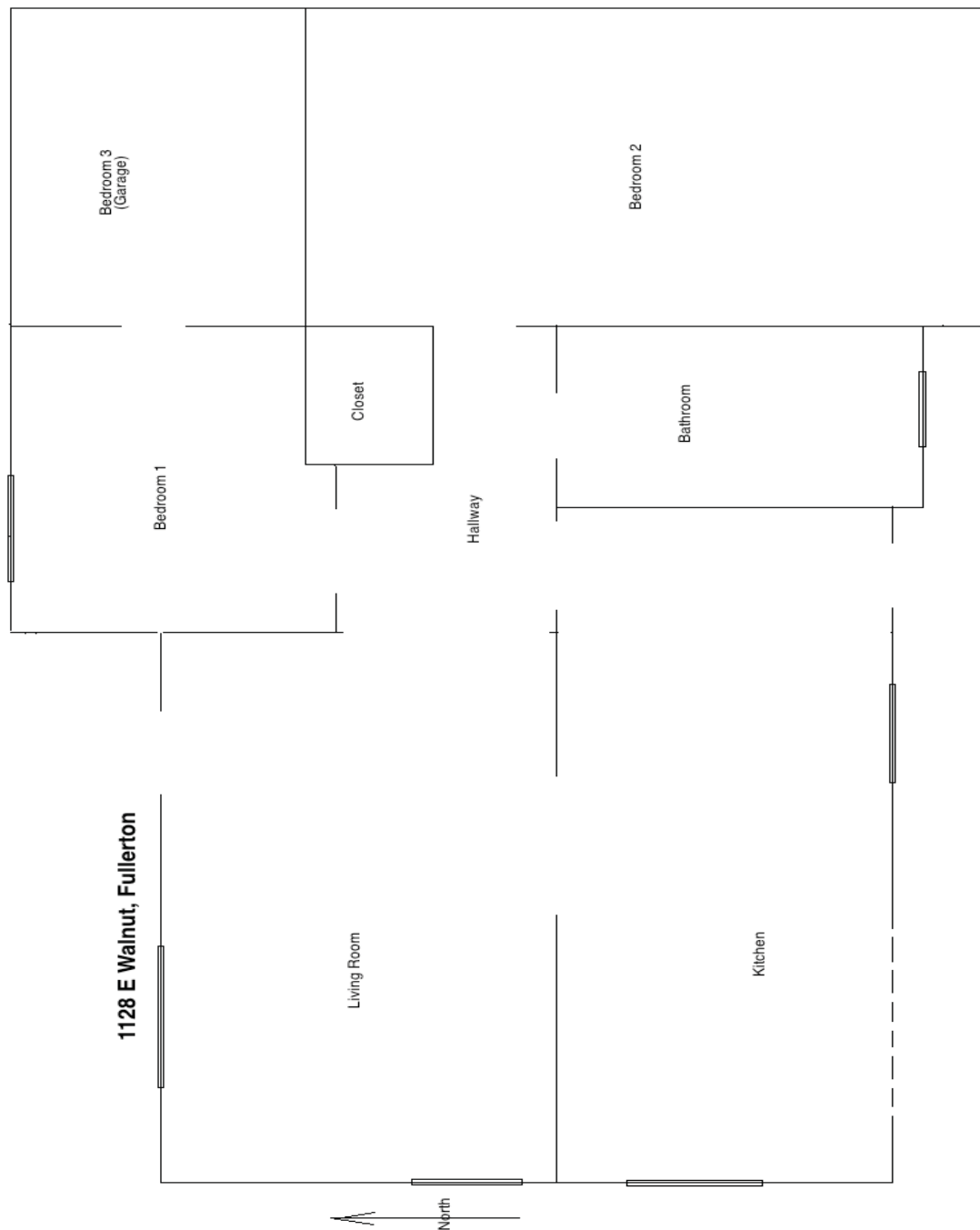
"	88	C	Handrail	W	I	0.0	Rear Patio
"	89	C	Floor	W	I	-0.2	"
"	90	C	Ceiling	W	I	-0.1	"
"	91	C	Stud	W	I	-0.2	"
"	92	C	Door	W	I	-0.1	Kitchen
"	93	C	Door Jamb	W	I	0.0	"
"	94	D	Wall	Sp	I	0.1	
"	95	D	Wall	W	I	-0.2	Facade
"	96	A	Window Apron	W	I	0.0	Living Room
"	97	A	Storage Gate	W	D	-0.1	By Living Room
"	98	B	Bench	W	I	-0.2	Rear Yard
"	99	B	Bench Post	W	I	-0.1	"
"	100	B	Bench Studs	W	I	-0.2	"
"	101	B	Bench Railings	W	I	0.0	"
"	102	D	Gazebo Post	W	I	0.1	"
"	103	D	Gazebo Fence	W	I	-0.1	"
"	104	D	Gazebo F Beam	W	I	0.1	"
"	105	D	Gazebo Floor	W	I	0.1	"
"	106	D	Gazebo Ceiling	W	I	-0.1	"
"	107	D	G Ceiling Stud	W	I	0.0	"

XRF Lead Based Paint Measurements
Substrate & Abbreviation Used

Bl	Block	Ct	Center/Middle
Cm	Ceramic Tile	Cn	Concrete
D	Damaged	DW	Drywall
I	Intact	M	Metal
NE	Northeast	NW	Northwest
P	Plaster	PB	Plastic Board
Sp	Stucco Plaster		
SE	Southeast	SW	Southwest
W	Wood	WV	Wood Vinyl
Wp	Wall Paper		

Locations	A	North Side
Locations	B	East Side/ right side
Locations	C	South Side
Locations	D	West Side/ left side

House Layout



Environmental Engineering, Inc.*A Minority Consultant***CDPH Form 8552**

State of California—Health and Human Services Agency

California Department of Public Health


LEAD HAZARD EVALUATION REPORT**Section 1 — Date of Lead Hazard Evaluation** April 15, 2013**Section 2 — Type of Lead Hazard Evaluation (Check one box only)**☒ Lead inspection ☒ Risk assessment ☐ Clearance inspection ☐ Other (specify) _____**Section 3 — Structure Where Lead Hazard Evaluation Was Conducted**

Address [number, street, apartment (if applicable)] 1128 E Walnut Avenue		City Fullerton	County Orange	Zip Code 92831
Construction date (year) of structure Unknown	Type of structure <input type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input checked="" type="checkbox"/> Single family dwelling <input type="checkbox"/> Other _____		Children living in structure? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	

Section 4 — Owner of Structure (if business/agency, list contact person)

Name Don E Harman (Contact)		Telephone number 323-889-5300	
Address [number, street, apartment (if applicable)] AMEC, 6001 Rickenbacker Road		City Los Angeles	State CA
		Zip Code 90040	

Section 5 — Results of Lead Hazard Evaluation (check all that apply)
☒ No lead-based paint detected ☐ Intact lead-based paint detected ☐ Deteriorated lead-based paint detected
☐ No lead hazards detected ☐ Lead-contaminated dust found ☐ Lead-contaminated soil found ☐ Other _____
Section 6 — Individual Conducting Lead Hazard Evaluation

Name Zainul Abedin		Telephone number 818-547-1330	
Address [number, street, apartment (if applicable)] EEI, 715 N Central Ave, Suite 212		City Glendale	State CA
		Zip Code 91203	
CDPH certification number 1151	Signature 		Date May 1, 2013

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

None**Section 7 — Attachments**

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
 Childhood Lead Poisoning Prevention Branch Reports
 850 Marina Bay Parkway, Building P, Third Floor
 Richmond, CA 94804-6403
 Fax: (510) 620-5656

CDPH 8552 (6/07)

Environmental Engineering, Inc.

A Minority Consultant

XRF Lead Based Paint Measurements 1131 East Walnut Avenue Fullerton, California

**AMEC Environment & Infrastructure, Inc.
Los Angeles, California**

May 1, 2013

Environmental Engineering, Inc.

A Minority Consultant

May 1, 2013
Project No. 2013-018E

Don E. Harman
AMEC Environment & Infrastructure, Inc.
6001 Rickenbacker Road
Los Angeles, California 90040

XRF Lead Based Paint Measurements
1131 East Walnut Avenue
Fullerton, California 92831

INTRODUCTION

This report presents the results of Environmental Engineering, Inc.'s (EEI) lead-based paint testing of the above property. EEI performed this lead based paint testing on April 15, 2013 in accordance with the EPA guidelines for lead inspections. The scope of this testing was to perform lead based paint measurements using a portable X-ray fluorescent (XRF) detector, and to recommend appropriate additional and/or response actions upon findings of the testing, if necessary.

PROPERTY DESCRIPTION

The subject property is a single story single-family house with an attached garage. It has one (1) bedroom, one (1) bathroom, a living room, and a kitchen. The facility consists of drywall interiors and stucco exteriors. The house has wooden doors and wood framed glass windows. An XRF lead based paint testing was performed throughout interior, common, and exterior areas of the units to evaluate the presence of lead based paint at the property.

LEAD INSPECTOR AND TESTING PROTOCOL

Dr. Zainul Abedin of Environmental Engineering, Inc performed the testing at the Site using an RMD XRF spectrum analyzer instrument. Dr. Abedin has attended the radiation safety course for operation and handling of the RMD instrument and completed 40 hours of OSHA Health & Safety training and California Department of Health Services accredited Lead-Related Construction Inspector and Risk Assessor courses. The XRF testing was conducted using EEI owned XRF RMD's LPA-1 bearing serial number S-1044. The California Department of Health Services, Childhood Lead Poisoning Branch has been implementing a State Certification Model Accreditation Plan adopted from the US EPA. Dr. Zainul Abedin is an accredited Lead Inspector, Risk Assessor, Monitor, and Lead Supervisor in California.

Testing Protocol

The surfaces tested were selected in general consideration of HUD's guidance for Surface Testing Sites (1990 HUD's Interim Guidelines relating to Lead-Based Paint). The action level defined in HUD regulation 24 CFR 965.7068 (53 FR 20803, June 6, 1988), and the HUD Interim Guidelines is a lead concentration above the level of 1.0 mg/cm² when measured by a portable XRF instrument or 0.5% or 5,000 parts per million (ppm) by weight when measured by analytical laboratory methods. HUD considers XRF results between 0.9 to 1.1 mg/cm² inconclusive. The California OSHA established an action level of 600 ppm in accordance with California Title 8 1532.1.

Environmental Engineering, Inc.

*A Minority Consultant**Page 2*

The Orange County Department of Health Services has accepted the State action level of 1.0 mg/cm² or 5,000 ppm. For this report, the State limit of 1.0 mg/cm² was chosen as the action level.

XRF Method Of Testing

Environmental Engineering Inc conducted the testing to determine the presence of lead based paint using a portable X-ray fluorescent (XRF) detector. Applicable surfaces and building components were tested non-destructively by holding the scanner against the surface being tested. At each XRF test location, the LPA-1 scanner shutter key was opened, and the 'quick' mode functions were selected. The testing time under quick mode was auto-adjusted by the XRF machine. Results were reported from the digital display of the instrument console in milligrams of lead per square centimeter of surface area (mg/cm²).

The instrument was calibrated to the manufacturer's specification before and after testing and verified against known lead samples produced by the National Institute of Standards and Testing (NIST). The standard deviation of the Calibration check for the machine was within the manufacturer's specification.

XRF Test Results

Results of EEI's lead based paint testing are included in Exhibit I of this report. A total of 71 measurements were made during XRF lead-based paint testing. No inconclusive results were observed and no paint chip samples were taken for confirmatory analysis. All test results are organized and shown in actual sequence by room name, shot number, sample location, component, substrate, condition and results for each component.

Based on XRF testing, lead-based paint above regulatory action limits were not detected on painted door, window, wall, ceiling, and other components in the house.

CONCLUSIONS AND RECOMMENDATIONS

A lead based paint evaluation was performed at interior, common and exterior surfaces of the Site buildings. Our evaluation included visual observations of painted surfaces, substrate identifications, and XRF measurements. We summarize our field observations and test results in the followings;

- ❖ The interior building components and paint surfaces observed during Site inspection showed no deterioration, missing components, and no damages in general. Most interior and exterior doors, windows, walls, and other miscellaneous components had intact paint surfaces.
- ❖ Based on XRF testing, lead-based paint above regulatory action limits were not detected on painted door, window, wall, ceiling, and other components tested in the house.

Based on our findings and observation, we recommend no further action at the facility.

Environmental Engineering, Inc.*A Minority Consultant**Page 3***LIMITATION**

This testing was planned, developed, and implemented based on Environmental Engineering Inc.'s previous experience in performing lead-based paint testing. This testing was conducted in conformance with HUD Guidelines as published in September 1990 and later. Environmental Engineering, Inc, utilized state-of-the-art-practices and techniques in accordance with regulatory standards, and in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature.

Environmental Engineering, Inc conducted the XRF lead testing in accessible areas of the site. Other conditions may exist in inaccessible or un-surveyed areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. EEI cannot be responsible for changing conditions that may alter the relative exposure risk or for future changes in accepted methodology.

If you have any questions concerning the methodology or the results of this survey, please contact our office at (818) 547-1330.

Sincerely Yours,
ENVIRONMENTAL ENGINEERING, INC,



ZAINUL ABEDIN, PhD, REA
Lead Inspector & Risk Assessor, I/S-1151

Environmental Engineering, Inc.*A Minority Consultant***Exhibit I : XRF Lead Results & Symbol**
1131 E Walnut Ave, Fullerton

<u>Unit/Room</u> <u>No.</u>	<u>Shot</u> <u>No</u>	<u>Loca</u> <u>-tion</u>	<u>Compo</u> <u>-nent</u>	<u>Subs</u> <u>trate</u>	<u>Condi</u> <u>-tion</u>	<u>Results-</u> <u>(mg/cm²)</u>	<u>Remarks</u>
Living Room	1	A	Wall	DW	I	-0.2	
"	2	B	Wall	DW	I	-0.2	
"	4	B	Door Frame	W	I	-0.1	
"	5	B	Door Jamb	W	I	0.0	
"	5	C	Wall	DW	I	-0.1	
"	6	C	Door	W	I	0.0	Entrance
"	7	C	Door Frame	W	I	-0.1	"
"	8	C	Door Jamb	W	I	-0.1	"
"	9	D	Wall	DW	I	-0.2	
"	10	D	Door	W	I	-0.1	
"	11	D	Door Frame	W	I	-0.2	
"	12	D	Door Jamb	W	I	-0.2	
"	13	Ct	Ceiling	DW	I	0.0	
Kitchen	14	A	Wall	DW	I	-0.2	
"	15	A	Cabinet Door	W	I	-0.3	
"	16	A	Closet Door	W	I	-0.2	
"	17	A	Counter	Cm	I	-0.5	
"	18	B	Wall	DW	I	-0.1	
"	19	B	Shelf	W	I	-0.3	
"	20	C	Wall	DW	I	-0.2	
"	21	C	Counter	Cm	I	-0.4	
"	22	C	Cabinet Door	W	I	-0.2	
"	23	D	Wall	DW	I	-0.1	
"	24	Ct	Ceiling	DW	I	-0.2	
Bedroom	25	A	Wall	DW	I	-0.2	
"	26	A	Cabinet Door	W	I	-0.2	
"	27	A	Door	W	I	-0.3	
"	28	A	Door Frame	W	I	-0.2	
"	29	A	Door Jamb	W	I	-0.3	
"	30	B	Wall	DW	I	-0.1	
"	31	C	Wall	DW	I	-0.2	
"	32	D	Wall	DW	I	-0.2	
"	33	Ct	Ceiling	DW	I	0.0	
Bathroom	34	A	Shower Wall	Pb	I	-0.2	
"	33	B	Wall	DW	I	-0.3	
"	34	C	Wall	DW	I	-0.2	
"	35	C	Door	W	I	-0.1	
"	36	C	Door Frame	W	I	0.0	
"	37	C	Door Jamb	W	I	0.0	
"	38	D	Wall	DW	I	-0.2	
"	39	D	Cabinet Door	W	I	0.0	
"	40	Ct	Ceiling	DW	I	-0.3	

Environmental Engineering, Inc.*A Minority Consultant*

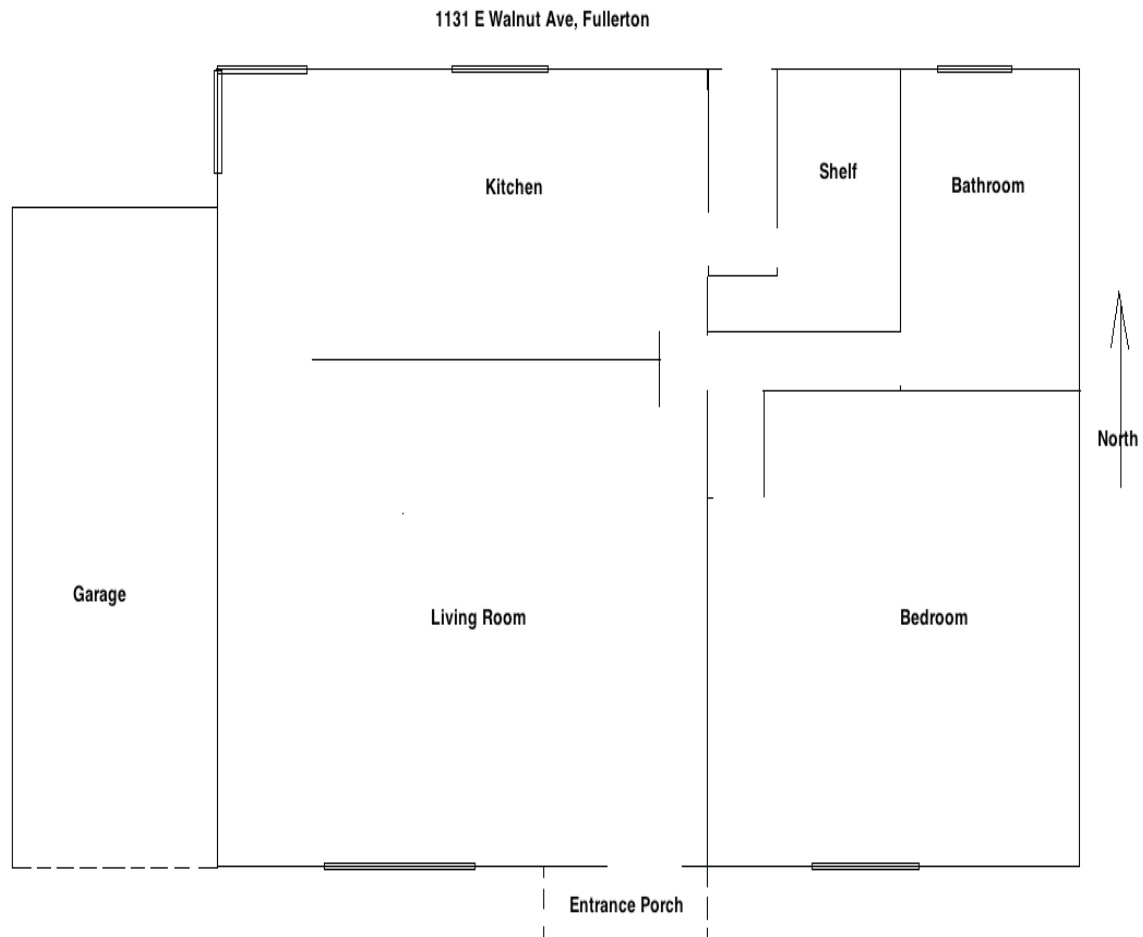
House Exterior	41	C	Wall	Sp	I	0.2	Left of Entrance
"	42	C	Stair Steps	Cn	D	-0.3	Entrance
"	43	C	Window Apron	W	D	0.3	
"	44	C	Window Frame	W	D	0.1	
"	45	C	Wall Facade	Pf	I	0.3	
"	46	C	Porch Post	W	I	-0.3	Entrance
"	47	C	Porch Beam	W	I	0.2	"
"	48	C	Garage Door	W	I	0.0	
"	49	C	Garage Frame	W	I	-0.1	
"	50	C	Eve	W	I	0.2	
"	51	C	Eve Stud	W	I	-0.1	
"	52	C	Fascia	W	I	0.0	
"	53	A	Wall	Sp	I	0.3	
"	54	A	Wall Facade	Pf	I	0.3	
"	55	A	Window Apron	W	A	0.1	Dining
"	56	A	Window Frame	W	A	0.1	"
"	57	A	Eve	W	I	0.2	
"	58	A	Eve Stud	W	I	-0.1	
"	59	A	Fascia	W	I	0.0	
"	60	A	Door	W	I	-0.2	Rear Entrance
"	61	B	Wall	Sp	I	0.2	
"	62	B	Wall Facade	Pf	I	0.3	
"	63	B	Eve	W	I	0.2	
"	64	B	Eve Stud	W	I	-0.1	
"	65	B	Fascia	W	I	0.0	
"	66	D	Wall	Sp	I	0.3	
"	67	D	Wall Facade	Pf	I	0.2	
Storage Shed	68	A	Side	M	I	-0.1	Rear Yard
"	69	B	Side	M	I	-0.2	"
"	70	C	Side	M	I	-0.2	"
"	71	D	Side	M	I	-0.1	

XRF Lead Based Paint Measurements
Substrate & Abbreviation Used

Bl	Block	Ct	Center/Middle
Cm	Ceramic Tile	Cn	Concrete
D	Damaged	DW	Drywall
I	Intact	M	Metal
NE	Northeast	NW	Northwest
P	Plaster	Pf	Panel Facade
Pb	Plastic Board	Sp	Stucco Plaster
SE	Southeast	SW	Southwest
W	Wood	WV	Wood Vinyl
Wp	Wall Paper		

Locations	A	North Side
Locations	B	East Side/ right side
Locations	C	South Side
Locations	D	West Side/ left side

House Layout



Environmental Engineering, Inc.*A Minority Consultant***CDPH Form 8552**

State of California—Health and Human Services Agency

California Department of Public Health

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation <u>April 15, 2013</u>			
Section 2 — Type of Lead Hazard Evaluation (Check one box only)			
<input checked="" type="checkbox"/> Lead Inspection	<input checked="" type="checkbox"/> Risk assessment	<input type="checkbox"/> Clearance Inspection	<input type="checkbox"/> Other (specify) _____
Section 3 — Structure Where Lead Hazard Evaluation Was Conducted			
Address [number, street, apartment (if applicable)] 1131 E Walnut Avenue		City Fullerton	County Orange
Zip Code 92831			
Construction date (year) of structure Unknown	Type of structure <input type="checkbox"/> Multi-unit building <input checked="" type="checkbox"/> Single family dwelling	Children living in structure? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	
Section 4 — Owner of Structure (If business/agency, list contact person)			
Name Don E Harman (Contact)		Telephone number 323-889-5300	
Address [number, street, apartment (if applicable)] AMEC, 6001 Rickenbacker Road		City Los Angeles	State CA
Zip Code 90040			
Section 5 — Results of Lead Hazard Evaluation (check all that apply)			
<input checked="" type="checkbox"/> No lead-based paint detected	<input type="checkbox"/> Intact lead-based paint detected	<input type="checkbox"/> Deteriorated lead-based paint detected	
<input type="checkbox"/> No lead hazards detected	<input type="checkbox"/> Lead-contaminated dust found	<input type="checkbox"/> Lead-contaminated soil found	<input type="checkbox"/> Other _____
Section 6 — Individual Conducting Lead Hazard Evaluation			
Name Zainul Abedin		Telephone number 818-547-1330	
Address [number, street, apartment (if applicable)] EEL, 715 N Central Ave, Suite 212		City Glendale	State CA
Zip Code 91203			
CDPH certification number 1151	Signature 	Date May 1, 2013	
Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable) None			
Section 7 — Attachments			
A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;			
B. Each testing method, device, and sampling procedure used;			
C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.			

First copy and attachments retained by inspector
 Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:
 California Department of Public Health
 Childhood Lead Poisoning Prevention Branch Reports
 850 Marina Bay Parkway, Building P, Third Floor
 Richmond, CA 94804-6403
 Fax: (510) 620-5656

CDPH 8552 (6/07)

Environmental Engineering, Inc.

A Minority Consultant

XRF Lead Based Paint Measurements 1132 East Walnut Avenue Fullerton, California

**AMEC Environment & Infrastructure, Inc.
Los Angeles, California**

May 1, 2013

Environmental Engineering, Inc.

A Minority Consultant

May 1, 2013
Project No. 2013-018F

Don E Harman
AMEC Environment & Infrastructure, Inc.
6001 Rickenbacker Road
Los Angeles, California 90040

XRF Lead Based Paint Measurements
1132 East Walnut Avenue
Fullerton, California 92831

INTRODUCTION

This report presents the results of Environmental Engineering, Inc.'s (EEI) lead-based paint testing of the above property. EEI performed this lead based paint testing on April 15, 2013 in accordance with the EPA guidelines for lead inspections. The scope of this testing was to perform lead based paint measurements using a portable X-ray fluorescent (XRF) detector, and to recommend appropriate additional and/or response actions upon findings of the testing, if necessary.

PROPERTY DESCRIPTION

The subject property is a single story single-family house with an attached garage. It has three (3) bedrooms, one (1) bathroom, a living room, and a kitchen. The house consists of drywall interiors and stucco exteriors. The house has wooden doors and wood framed glass windows. A XRF lead based paint testing was performed throughout interior, common, and exterior areas of the units to evaluate the presence of lead based paint at the property.

LEAD INSPECTOR AND TESTING PROTOCOL

Dr. Zainul Abedin of Environmental Engineering, Inc performed the testing at the Site using an RMD XRF spectrum analyzer instrument. Dr. Abedin has attended the radiation safety course for operation and handling of the RMD instrument and completed 40 hours of OSHA Health & Safety training and California Department of Health Services accredited Lead-Related Construction Inspector and Risk Assessor courses. The XRF testing was conducted using EEI owned XRF RMD's LPA-1 bearing serial number S-1044. The California Department of Health Services, Childhood Lead Poisoning Branch has been implementing a State Certification Model Accreditation Plan adopted from the US EPA. Dr. Zainul Abedin is an accredited Lead Inspector, Risk Assessor, Monitor, and Lead Supervisor in California.

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The surfaces tested were selected in general consideration of HUD's guidance for Surface Testing Sites (1990 HUD's Interim Guidelines relating to Lead-Based Paint). The action level defined in HUD regulation 24 CFR 965.7068 (53 FR 20803, June 6, 1988), and the HUD Interim Guidelines is a lead concentration above the level of 1.0 mg/cm² when measured by a portable XRF instrument or 0.5% or 5,000 parts per million (ppm) by weight when measured by analytical laboratory methods. HUD considers XRF results between 0.9 to 1.1 mg/cm² inconclusive. The California OSHA established an action level of 600 ppm in accordance with California Title 8 1532.1.

Environmental Engineering, Inc.

*A Minority Consultant**Page 2*

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The instrument was calibrated to the manufacturer's specification before and after testing and verified against known lead samples produced by the National Institute of Standards and Testing (NIST). The standard deviation of the Calibration check for the machine was within the manufacturer's specification.

XRF Test Results

Results of EEI's lead based paint testing are included in Exhibit I of this report. A total of 97 measurements were made during XRF lead-based paint testing. No inconclusive results were observed and no paint chip samples were taken for confirmatory analysis. All test results are organized and shown in actual sequence by room name, shot number, sample location, component, substrate, condition and results for each component.

Based on XRF testing, lead-based paint above regulatory action limits were not detected on painted wall, door, window, baseboard, ceiling, and other components in the house.

CONCLUSIONS AND RECOMMENDATIONS

A lead based paint evaluation was performed at interior, common and exterior surfaces of the Site buildings. Our evaluation included visual observations of painted surfaces, substrate identifications, and XRF measurements. We summarize our field observations and test results in the followings;

- ❖ The interior building components and paint surfaces observed during Site inspection showed no deterioration, missing components, and no damages in general. Most interior and exterior doors, windows, walls, and other miscellaneous components had intact paint surfaces.
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Based on our findings and observation, we recommend no further action at the facility.

Environmental Engineering, Inc.*A Minority Consultant**Page 3***LIMITATION**

This testing was planned, developed, and implemented based on Environmental Engineering Inc.'s previous experience in performing lead-based paint testing. This testing was conducted in conformance with HUD Guidelines as published in September 1990 and later. Environmental Engineering, Inc, utilized state-of-the-art-practices and techniques in accordance with regulatory standards, and in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature.

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If you have any questions concerning the methodology or the results of this survey, please contact our office at (818) 547-1330.

Sincerely Yours,
ENVIRONMENTAL ENGINEERING, INC,



ZAINUL ABEDIN, PhD, REA
Lead Inspector & Risk Assessor, I/S-1151

Environmental Engineering, Inc.*A Minority Consultant***Exhibit I : XRF Lead Results & Symbol**
1132 E Walnut Ave, Fullerton

<u>Unit/Room</u> <u>No.</u>	<u>Shot</u> <u>No</u>	<u>Loca</u> <u>-tion</u>	<u>Compo</u> <u>-nent</u>	<u>Subs</u> <u>trate</u>	<u>Condi</u> <u>-tion</u>	<u>Results-</u> <u>(mg/cm²)</u>	<u>Remarks</u>
Living Room	1	A	Wall	DW	I	-0.3	
"	2	A	Door	W	I	-0.4	
"	4	A	Door Frame	W	I	-0.1	
"	5	A	Door Jamb	W	I	-0.4	
"	5	A	Baseboard	W	I	0.0	
"	6	B	Wall	DW	I	-0.2	
"	7	B	Baseboard	W	I	-0.1	
"	8	C	Wall	DW	I	-0.1	
"	9	C	Door	W	I	0.1	
"	10	C	Door Frame	W	I	0.0	
"	11	C	Door Jamb	W	I	-0.2	
"	12	C	Baseboard	W	I	0.0	
"	13	D	Wall	DW	I	-0.1	
"	14	D	Baseboard	W	I	0.0	
"	15	Ct	Ceiling	DW	I	-0.3	
Bedroom 1	16	A	Wall	DW	I	-0.2	
"	17	B	Wall	DW	I	-0.2	
"	18	B	Door	W	I	-0.3	
"	19	B	Door Frame	W	I	-0.1	
"	20	B	Door	W	I	-0.2	Closet
"	21	B	Door Frame	W	I	-0.2	"
"	22	B	Cabinet Door	W	I	0.0	Top
"	23	C	Wall	DW	I	-0.1	
"	24	Ct	Ceiling	DW	I	-0.2	
"	25	D	Wall	DW	I	-0.2	
"	26	D	Baseboard	W	I	-0.1	
"	27	B	Door	W	I	0.0	
"	28	B	Door Frame	W	I	-0.2	
"	29	B	Gate	M	I	0.0	Roll-Up
"	30	B	Gate Frame	M	I	-0.3	"
"	31	C	Wall	Bl	I	-0.3	
"	32	D	Wall	DW	I	-0.3	
Bedroom 2	33	A	Wall	DW	I	-0.2	
"	34	B	Wall	DW	I	-0.1	
"	33	B	Door Frame	W	I	-0.1	
"	34	B	Door Jamb	W	I	-0.2	
"	35	B	Closet Door	W	I	-0.2	
"	36	B	Cabinet Door	W	I	-0.1	Bottom
"	37	C	Wall	DW	I	-0.2	
"	38	D	Wall	DW	I	-0.1	

Environmental Engineering, Inc.*A Minority Consultant*

Bedroom 3	39	A	Wall	DW	I	-0.2	
"	40	B	Wall	DW	I	-0.1	
"	41	C	Wall	DW	I	-0.2	
"	42	D	Wall	DW	I	-0.2	
"	43	D	Door	W	I	-0.1	
"	44	D	Door Jamb	W	I	-0.1	
"	45	D	Door Frame	W	I	0.0	
"	46	D	Cabinet Door	W	I	-0.1	Top
"	47	D	Cabinet Door	W	I	-0.2	Bottom
Bathroom	48	A	Wall	DW	I	-0.1	
"	49	A	Shelf	W	I	-0.2	
"	50	A	Cabinet Door	W	I	0.0	
"	51	B	Shower Wall	PB	I	-0.3	
"	52	C	Wall	DW	I	-0.1	
"	53	C	Baseboard	W	I	-0.1	
"	54	D	Wall	DW	I	-0.1	
"	55	D	Door	W	I	-0.2	
"	56	D	Door Jamb	W	I	-0.1	
"	57	D	Door Frame	W	I	0.0	
Kitchen	58	A	Wall	DW	I	-0.2	Dining Area
"	59	B	Wall	DW	I	-0.1	"
"	60	C	Wall	DW	I	0.0	Washer/Dryer Area
"	61	C	Closet Door	W	I	-0.1	"
"	62	C	Baseboard	W	I	0.0	"
"	63	D	Wall	DW	I	0.0	Cooking Area
"	64	D	Cabinet Door	W	I	0.0	" Top
"	65	D	Door Jamb	W	I	-0.1	Washer/Dryer Area
"	66	D	Door Frame	W	I	-0.1	"
"	67	Ct	Ceiling	W	I	-0.1	
House Exterior	68	A	Wall	P	I	0.0	Front Porch
"	69	A	Porch Ceiling	P	I	-0.1	"
"	70	A	Facade	W	I	-0.4	"
"	71	A	Column	W	I	0.0	"
"	72	A	Beam	W	I	0.0	"
"	73	A	Eve	W	I	0.2	"
"	74	A	Eve Stud	W	I	0.1	"
"	75	A	Fascia	W	I	0.0	"
"	76	B	Wall	P	I	0.3	
"	77	B	Facade	W	I	0.1	
"	78	B	Eve	W	I	0.1	
"	79	B	Eve Stud	W	I	0.2	
"	80	B	Fascia	W	I	0.1	
"	81	B	Side Gate	W	I	-0.3	
"	82	B	Door	W	I	-0.2	Kitchen
"	83	B	Door Frame	W	I	-0.1	"
"	84	B	Door Jamb	W	I	-0.1	"
"	85	C	Wall	P	I	0.2	
"	86	C	Eve	W	I	0.2	
"	87	C	Eve Stud	W	I	0.1	

Environmental Engineering, Inc.*A Minority Consultant*

"	88	C	Fascia	W	I	0.2	
"	89	D	Wall	P	I	0.1	
"	90	D	Façade	W	I	0.0	
"	91	D	Eve	W	I	0.1	
"	92	D	Eve Stud	W	I	0.0	
"	93	D	Fascia	W	I	0.2	
"	94	B	Stairs	Cn	I	-0.3	Kitchen
"	95	B	Wall	DW	I	0.0	Garage
"	96	A	Door	W	D	-0.2	Garage
"	97	A	Door Frame	W	D	0.2	Garage

XRF Lead Based Paint Measurements
Substrate & Abbreviation Used

Bl	Block	Ct	Center/Middle
Cm	Ceramic Tile	Cn	Concrete
D	Damaged	DW	Drywall
I	Intact	M	Metal
NE	Northeast	NW	Northwest
P	Plaster	PB	Plastic Board
S	Stucco		
SE	Southeast	SW	Southwest
W	Wood	WV	Wood Vinyl
Wp	Wall Paper		

Locations	A	North Side
Locations	B	East Side/ right side
Locations	C	South Side
Locations	D	West Side/ left side

House Layout



Environmental Engineering, Inc.*A Minority Consultant***CDPH Form 8552**

State of California—Health and Human Services Agency

California Department of Public Health

LEAD HAZARD EVALUATION REPORT**Section 1 — Date of Lead Hazard Evaluation** April 15, 2013**Section 2 — Type of Lead Hazard Evaluation (Check one box only)**☒ Lead Inspection ☒ Risk assessment ☐ Clearance Inspection ☐ Other (specify) _____**Section 3 — Structure Where Lead Hazard Evaluation Was Conducted**

Address [number, street, apartment (if applicable)] 1132 E Walnut Avenue		City Fullerton	County Orange	Zip Code 92831
Construction date (year) of structure Unknown	Type of structure <input type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input checked="" type="checkbox"/> Single family dwelling <input type="checkbox"/> Other _____		Children living in structure? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	

Section 4 — Owner of Structure (if business/agency, list contact person)


Name Don E Harman (Contact)		Telephone number 323-889-5300	
Address [number, street, apartment (if applicable)] AMEC, 6001 Rickenbacker Road		City Los Angeles	State CA
		Zip Code 90040	

Section 5 — Results of Lead Hazard Evaluation (check all that apply)

☒ No lead-based paint detected ☐ Intact lead-based paint detected ☐ Deteriorated lead-based paint detected

☐ No lead hazards detected ☐ Lead-contaminated dust found ☐ Lead-contaminated soil found ☐ Other _____

Section 6 — Individual Conducting Lead Hazard Evaluation

Name Zainul Abedin		Telephone number 818-547-1330	
Address [number, street, apartment (if applicable)] EEL, 715 N Central Ave, Suite 212		City Glendale	State CA
		Zip Code 91203	
CDPH certification number 1151	Signature 	Date May 1, 2013	

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

None**Section 7 — Attachments**

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403
Fax: (510) 620-5656

CDPH 8552 (6/07)

APPENDIX C
REMOVAL AND ABATEMENT WORKPLAN



June 4, 2013
AMEC Project 4953-13-0341

Mr. Bill Mock
Orange County Transportation Authority
550 South Main Street
Orange, California 92863-1584

Subject: **Final Hazardous Materials Work Plan
Raymond Avenue Railroad Grade Separation Project
Fullerton, California
Project No., S9208-PK4
Agreement No., C-0-1845 CTO-2**

Dear Mr. Mock:

AMEC Environment & Infrastructure, Inc. (AMEC) has completed a survey for hazardous materials in support of the Raymond Avenue Grade Separation Project. The survey included the assessment of suspect asbestos-containing materials (ACM), lead-based-paints (LBP), polychlorinated biphenyls (PCB's), chlorofluorocarbon refrigerant containing refrigeration or HVAC systems, and materials and items that are considered universal wastes in California such as, mercury-containing thermostats, switches, and fluorescent light tubes, tritium exit signs, batteries and/or battery-containing equipment.

1.0 SURVEY INFORMATION

AMEC performed the survey work on April 9, 15, 16, and 19, 2013. The survey was performed in general accordance with Contract Task Order C-0-1845 CTO-2 and AMEC's "Hazardous Materials Consulting Services in Support of the Raymond Avenue Grade Separation Project" (AMEC Proposal 13PROPTRAN.MN00.0008) dated March 19, 2013.

The purpose of the survey was to locate and identify hazardous materials requiring abatement, stabilization, remediation, and/or handling and disposal prior to the demolition of the structures. Our survey included visual observations, material sampling and laboratory analysis of suspect ACM, on site testing of suspect LBP with an x-ray fluorescence (XRF) spectrum analyzer, and visual observations of suspect PCB-containing light ballasts, mercury-containing equipment, chlorofluorocarbon-containing equipment, and universal wastes.

The following units were accessible and included in the survey:

- Parcel 5 – Unit 503 and unit 535 S. Raymond Avenue, Fullerton. One unit in each of two industrial buildings, 18,200 ft², concrete tilt up construction, built in 1955. Unit 503 unoccupied, unit 535 partially occupied.
- Parcel 6 - 522 to 532 S. Raymond Avenue, Fullerton. One industrial building, 9,573 ft², concrete block construction, built in 1955. Three units unoccupied, one unit (532) occupied.
- Parcel 15 – 1128 E. Walnut, Fullerton. Single family residence, 950 ft², built in 1950, currently vacant.

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6001 Rickenbacker Road
Los Angeles, California 90040
USA

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Orange County Transportation Authority
www.amec.com

- Parcel 16 – 1132 E. Walnut, Fullerton. Single family residence, 987 ft², built in 1950, currently vacant.
- Parcel 19 – 1131 E. Walnut, Fullerton. Single family residence, 730 ft², built in 1950 currently vacant.

2.0 ASBESTOS-CONTAINING MATERIALS (ACM)

AMEC's survey included the identification of homogeneous materials and areas, and the selection and collection of bulk samples. Selection of the materials to be sampled was based on material homogeneity; the appearance a material to be of the same uniform texture, color, and age. A homogeneous area identifies the location within the structure where the homogeneous materials are located, based on their same general use, condition and application time period.

Once sampling areas were determined, representative samples of suspect ACM were collected, labeled and transported to EMS in Pasadena, California for microscopic analysis. Analysis was performed in general accordance with the procedures outlined in the United States Environmental Protection Agency's (EPA) "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116, July 1993) by polarized light microscopy (PLM).

Table 1 identifies those samples and materials determined to contain asbestos in concentrations above California regulatory levels. The homogeneous material (HM), its locations within the structures and approximate quantities are also included on Table 1. Room numbers are indicated on the attached figures and were written on the walls. The attached work plan provides bidding information for the asbestos materials.

3.0 LEAD-BASED PAINT (LBP)

A visual survey of the various areas within the structures was performed to identify painted building components, their general condition, location and quantity of the painted components. Damaged, loose and flaking paint observed during the survey were noted. Testing for LBP was performed onsite using portable x-ray fluorescence (XRF) spectrum analyzer, with the capability to measure lead content in dry paint films, in the range of 0 to 50 milligrams per square centimeter (mg/cm²).

With the exception of one wall mounted air-conditioning unit frame above the front door at 523 S. Raymond Avenue, none of the tested building materials contained lead-based paints. The frame will require recycling. Table 2 presents the LBP findings. The attached work plan provides bidding information for the lead materials.

4.0 POLYCHLORINATED BIPHENYLS (PCB)

Polychlorinated biphenyl-containing (PCB-containing) transformers, switches and other electrical equipment were not observed in the subject structures. Utility-owned pole or pad mounted transformers may contain PCBs.

A visual survey was performed to determine the presence of PCB-containing ballasts in the florescent light fixtures. The ballasts were inspected for evidence of labeling indicating the presence or absence of PCBs. Any item not specifically labeled as "no PCBs" and that we were unable to locate information regarding PCB content on the manufacturer's website was assumed to contain PCBs.

Presumed PCB-containing ballasts were identified at 503 and 535 S. Raymond Avenue. Four different types of ballasts were identified as presumed PCB-containing. A total of approximately 73 presumed PCB-containing ballasts were identified. Additional ballasts may be present, as access to the lights in Room 5 and 6 in 535 S. Raymond Avenue was denied.

The California Department of Toxic Substances Control (DTSC) classifies PCBs in concentrations equal to or greater than 5 mg/l (ppm) in liquids as hazardous waste (Title 22 of the California Code of Regulations [8 CCR 66261.24]). A minimum of one of each type of ballast will need to be analyzed for PCB content, or assumed to be hazardous waste. Table 3 presents the ballast's name and model or catalogue number, location observed, and estimated quantity. The attached work plan provides bidding information for the ballasts.

5.0 FLUORESCENT LIGHT TUBES

Fluorescent light tubes are regulated as universal waste in California. No fluorescent light tubes were found in the residential units. Approximately 361 fluorescent light tubes were present in the commercial units. The tubes will require removal, packaging and recycling as universal waste. Table 4 presents the number of tubes observed in the units. The attached work plan provides bidding information for the light tubes.

6.0 MERCURY-CONTAINING EQUIPMENT

Potential mercury-containing switches and other electrical equipment were not observed in the units. One thermostat in 503 S. Raymond Avenue contained two small mercury filled ampoules. The thermostat will require removal and recycling as universal waste. Table 5 presents the survey findings. The attached work plan provides bidding information for the thermostat.

7.0 CHLOROFLUOROCARBON REFRIGERANTS

Refrigeration equipment was not observed in the units. Packaged heating, ventilation and air-conditioning systems were present on the roofs of the commercial structures. An air conditioner unit was present in one unit. The refrigerants in the AC and HVAC units will require reclamation prior to demolition and recycling of the units by a certified appliance recycler. Table 6 presents the survey findings. The attached work plan provides bidding information for the refrigerants.

8.0 OTHER HAZARDOUS MATERIALS

Miscellaneous pint, one gallon, and two gallon sized metal cans were observed at 1128 and 1132 E. Walnut Avenue. The cans were rusted and in poor condition. Some contained liquids, some contained semi-solid and solid materials. Labels were damaged or missing and the contents may not be the original material. The containers will require inspection, segregation, and possibly sampling for waste characterization.

Miscellaneous, consumer-type cleaning products were observed in the commercial units. These materials do not require special handling. Miscellaneous, consumer-type aerosol products were observed in the commercial units. Aerosol cans, if not empty, require handling as universal waste.

*Hazardous Materials Work Plan - Raymond Avenue Grade Separation Project
AMEC Project No. 4953-13-0341*

June 4, 2013

Alkaline batteries and one small lead acid battery were observed at 503 and 528 S. Raymond Avenue, respectively. The batteries are regulated as universal wastes. The batteries will require recycling.

One container of unknown liquid was observed at 503 S. Raymond Avenue. Three plastic containers of unknown liquids were observed at 528 S. Raymond Avenue. The containers will require inspection, segregation, and sampling for waste characterization.

Table 7 presents information on the hazardous materials in the units. The attached work plan provides bidding information for these hazardous materials.

9.0 LIMITATIONS

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental, health and safety consultants practicing in this or similar localities at the time of service. AMEC assumes no liability for any loss, injury, claim, or damages arising directly or indirectly from any use or reliance on this report or the opinions expressed herein. No other warranty, express or implied, is made as to the professional advice included in this report.

AMEC endeavored to observe existing conditions at the buildings using generally accepted procedures. There is always a possibility some areas containing asbestos, lead, mold, or PCB-containing materials were overlooked, were inaccessible, or are different from those at specific sample locations. Therefore, conditions at every location may not be as anticipated by our field representative. In addition, demolition may uncover altered or differing conditions.

This report has been prepared for the exclusive use of our client. Any use that a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of the third party. With respect to third parties, AMEC has no liability or responsibility for losses of any kind whatsoever, including direct or consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. Should additional parties require reliance on this report, written authorization from AMEC will be required.

Hazardous Materials Work Plan - Raymond Avenue Grade Separation Project
AMEC Project No. 4953-13-0341

June 4, 2013

AMEC appreciates the opportunity to work with you on this project. Please contact us should any questions arise regarding this report or, if we may be of further service.

Sincerely,

AMEC Environment & Infrastructure, Inc



Don Harman
Senior Engineer
California Asbestos Consultant No. 92-0044
Certified Lead Inspector/Assessor and
Project Monitor No. I-10236



Nancy G. Newlander, CIH
Senior Associate Scientist

TABLES

- Table 1 - Summary of Asbestos Materials
- Table 2 - Lead-Based Paint Locations
- Table 3 - Suspect PCB-Containing Materials
- Table 4 - Fluorescent Light Tubes
- Table 5 - Mercury-Containing Equipment
- Table 6 - Chlorofluorocarbon Refrigerant-Containing Equipment
- Table 7 - Other Hazardous Materials

FIGURES

- Figure 1 – 1128 E. Walnut Avenue Floor Plan
- Figure 2 – 1131 E. Walnut Avenue Floor Plan
- Figure 3 – 1132 E. Walnut Avenue Floor Plan
- Figure 4 – 503 S. Raymond Avenue Floor Plan
- Figure 5 – 522 S. Raymond Avenue Floor Plan
- Figure 6 – 524 S. Raymond Avenue Floor Plan
- Figure 7 – 528 S. Raymond Avenue Floor Plan
- Figure 8 – 532 S. Raymond Avenue Floor Plan
- Figure 9 – 535 S. Raymond Avenue Floor Plan

APPENDIX

- Appendix A - Removal and Abatement Work Plan

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Hazardous Materials Work Plan - Raymond Avenue Grade Separation Project
AMEC Project No. 4953-13-0341

June 4, 2013

TABLES

Hazardous Materials Survey - Raymond Avenue Grade Separation Project
 AMEC Project No. 4953-13-0341

June 4, 2013

Table 1
Summary of Asbestos Materials

Property Address	Sample No.	Material Description	Friable	Sample Location Description	Affected Area (room #)	Quantity (sq. ft.)
1128 E. Walnut St.	1128-1	Plaster, gray/peach/white	N	HM1 - Room 2	2,3 4,5,6,7,8	2901
1128 E. Walnut St.	1128-3	Plaster, gray/pink	N	HM1 - Room 6		
1128 E. Walnut St.	1128-5	Plaster, pink/white	N	HM1 - Room 7		
1131 E. Walnut St.	1131-10	Roof penetration, brown/black/gray	N	HM3 - Roof	Roof	15
1131 E. Walnut St.		Transite flue, assumed ACM	N	HM9 - Attic	Attic	20 LF
1132 E. Walnut St.	1132-5	Plaster, gray/peach/white	N	HM1 - Room 8	1,2,3,4,5,6,7,8 9,10	3575
1132 E. Walnut St.	1132-26	Roof penetration compound	N	HM10 - Roof	Roof	15
503 S. Raymond Ave.	503-3b	Joint compound	N	HM1- Room 14	2,3 4 5,11,12,13,14	2492
503 S. Raymond Ave.	503-4b	Joint compound	N	HM1- Room 12		
503 S. Raymond Ave.	503-5b	Joint compound	N	HM1- Room 12		
503 S. Raymond Ave.	503-27	Roof penetration mastic, black/gray	N	HM8 - Roof	Roof	75
503 S. Raymond Ave.	503-29	Mastic, black, mechanical pads	N	HM9 - Roof	Roof	544
503 S. Raymond Ave.	503-30	Mastic, black, skylight mastic	N	HM10 - Roof	Roof	288
503 S. Raymond Ave.	503-31	Mastic, black, skylight mastic	N	HM10 - Roof		
503 S. Raymond Ave.	503-34	Roof duct mastic, black/white	N	HM 12 - Roof	Roof	18
503 S. Raymond Ave.	503-34	Roof duct mastic	N	HM 12 - Roof		
528 S. Raymond Ave.	528-6	Mastic, brown/black	N	HM2 - Room 1	1	937
528 S. Raymond Ave.	528-7	Mastic, yellow/black	N	HM2 - Room 1		

Hazardous Materials Survey - Raymond Avenue Grade Separation Project
 AMEC Project No. 4953-13-0341

June 4, 2013

Table 1
Summary of Asbestos Materials

Property Address	Sample No.	Material Description	Friable	Sample Location Description	Affected Area (room #)	Quantity (sq. ft.)
532 S. Raymond Ave.	532-2b	Joint compound	N	HM1 - Room 8	1,2,3,4,7,8	2848
532 S. Raymond Ave.	532-3b	Joint compound	N	HM1 - Room 7		
532 S. Raymond Ave.	532-4b	Joint compound	N	HM1 - Room 4		
532 S. Raymond Ave.	532-5b	Joint compound	N	HM1 - Room 1		
532 S. Raymond Ave.	532-6b	Joint compound	N	HM2 - Room 6	6,9	774
532 S. Raymond Ave.	532-7b	Joint compound	N	HM2 - Room 6		
532 S. Raymond Ave.	532-8b	Joint compound	N	HM2 - Room 6		
532 S. Raymond Ave.	532-9a	Sheet vinyl flooring, white/brown	N	HM3 - Room 8	8	20
532 S. Raymond Ave.	532-10a	Sheet vinyl flooring, gray	N	HM3 - Room 8		
532 S. Raymond Ave.	532-17b	Floor tile, white, under carpet	N	HM7 - Room 2	1,2	342
532 S. Raymond Ave.	532-17c	Floor tile mastic, black	N	HM7 - Room 2		
532 S. Raymond Ave.	532-18b	Floor tile, white, under carpet	N	HM7 - Room 2		
532 S. Raymond Ave.	532-18c	Floor tile, mastic, black	N	HM7 - Room 2		
535 S. Raymond Ave.	535-3	Joint compound	N	HM 1 - Room 1	1,2,4	257
535 S. Raymond Ave.	535-4	Joint compound	N	HM 1 - Room 1		
535 S. Raymond Ave.	535-5	Joint compound	N	HM 1 - Room 4		
535 S. Raymond Ave.	535-10	Floor tile, beige/yellow	N	HM 4 - Room 2	2	100
535 S. Raymond Ave.	535-11	Floor tile, beige/yellow	N	HM 4 - Room 2		
535 S. Raymond Ave.	535-12	Linoleum, grey/black	N	HM 5 - Room 3	3, 4	50
535 S. Raymond Ave.	535-13	Linoleum, grey/black	N	HM 5 - Room 4		
535 S. Raymond Ave.	535-25	Roof penetration mastic, black	N	HM11 - Roof	Roof	33
535 S. Raymond Ave.	535-26	Roof penetration mastic, black	N	HM11 - Roof		
535 S. Raymond Ave.	535-27	Roof duct mastic, black	N	HM12 - Roof	Roof	18
535 S. Raymond Ave.	535-28	Roof duct mastic, black	N	HM12 - Roof		
535 S. Raymond Ave.	535-29	Roof skylight mastic, black	N	HM13 - Roof	Roof	288
535 S. Raymond Ave.	535-30	Roof skylight mastic, black	N	HM13 - Roof		

Hazardous Materials Survey - Raymond Avenue Grade Separation Project
AMEC Project No. 4953-13-0341

June 4, 2013

Table 1
Summary of Asbestos Materials

Property Address	Sample No.	Material Description	Friable	Sample Location Description	Affected Area (room #)	Quantity (sq. ft.)
522-532 S. Raymond Ave.	532-1	Roof silver penetration mastic	N	HM1 - Roof	Roof	237
522-532 S. Raymond Ave.	526-2	Roof silver penetration mastic	N	HM1 - Roof		
522-532 S. Raymond Ave.	528-5	Roof gray penetration mastic	N	HM3 - Roof		
522-532 S. Raymond Ave.	528-6	Roof gray penetration mastic	N	HM3 - Roof		

Table Notes:

522 S. Raymond Ave., No ACM

524 S. Raymond Ave., No ACM

Room numbers were marked on walls and are shown on the attached figures

Hazardous Materials Work Plan - Raymond Avenue Grade Separation Project
 AMEC Project No. 4953-13-0341

June 4, 2013

Table 2
Lead-Based Paint Locations

Address	Material Description	Location	Action
532 S. Raymond Ave.	Air-conditioner unit frame	Above front entrance	Remove prior to demolition and recycle.

Table 3
Suspect PCB-Containing Materials

Address	Material Description	Observed Location	Estimated Quantity	Action
503 S. Raymond Ave.	Universal Therm-O-Matic ballast 446-LR-TC-P	Room 1,9,13,14	40	Segregate and containerize ballasts. Assume PCB-containing, or send one of each type for PCB analysis.
503 S. Raymond Ave.	Universal Therm-O-Matic ballast 806-BR-TC-P	Room 9		
503 S. Raymond Ave.	General Electric Bonus Line Ballast, CAT 8G1022	Room 5,7,10,		
503. S Raymond Ave.	General Electric Bonus Line Ballast, CAT 8G1011	Room 6		
503. S Raymond Ave.	Advance Transformer ballast Co. RQM-2540-3-TP (RQM-2S40-3-TP)	Room 11		
535 S. Raymond Ave.	Light ballasts in Room 5 & 6.	Room 5, 6	33	Space was partially occupied, access to ballasts in Room 5 & 6 was denied. Remove ballasts from light fixtures. Evaluate label for statement specifying no "PCBs". Segregate ballasts by type. Ballasts that do not state "No PCBs" must be assumed to be PCB-containing, or must be sent for PCB analysis.

Table 4
Fluorescent Light Tubes

Address	Material Description	Estimated Quantity	Action
503 S. Raymond Ave.	Fluorescent tubes	95	Package as Universal waste and send for recycling
522 S. Raymond Ave.	Fluorescent tubes	30	

Hazardous Materials Work Plan - Raymond Avenue Grade Separation Project
AMEC Project No. 4953-13-0341

June 4, 2013

Table 4
Fluorescent Light Tubes

Address	Material Description	Estimated Quantity	Action
524 S. Raymond Ave	Fluorescent tubes	20	
528 S. Raymond Ave.	Fluorescent tubes	42	
532 S. Raymond Ave.	Fluorescent tubes	102	
535 S. Raymond Ave.	Fluorescent tubes	72	

Table 5
Mercury-Containing Equipment

Address	Material Description	Location	Action
503 S. Raymond Ave.	Thermostat with two small glass ampoules	Thermostat in hall	Package thermostat as universal waste for recycling.

Table 6
Chlorofluorocarbon Refrigerant-Containing Equipment

Address	Material Description	Location	Action
503 S. Raymond Ave	11-HVAC package units	Entire building roof.	Reclaim the refrigerant from the units prior to removal. Send to a certified appliance recycler.
522-532 S. Raymond Ave.	5-HVAC package Units	Entire building roof.	Reclaim the refrigerant from the units prior to removal. Send to a certified appliance recycler.
532 S. Raymond Ave.	1-Wall AC unit.	West elevation above door.	Reclaim the refrigerant from the units prior to removal. Send to a certified appliance recycler.
535 S. Raymond Ave.	5-HVAC package units	Entire building roof.	Reclaim the refrigerant from the units prior to removal. Send to a certified appliance recycler.

Table 7
Other Hazardous Materials

Address	Material Description	Location	Action
1128 E. Walnut Ave.	Four pint and ten 1-gallon size, rusted metal cans. Paint, patching compound labels.	East side yard.	Segregate and store in secured area. Open and assess contents for conformance with label. Sample contents for waste

Hazardous Materials Work Plan - Raymond Avenue Grade Separation Project
 AMEC Project No. 4953-13-0341

June 4, 2013

Table 7
Other Hazardous Materials

Address	Material Description	Location	Action
			characterization, as needed.
1132 E. Walnut Ave.	1-gallon rusted metal cans 2-gallon rusted metal can, motor oil label.	Garage	Segregate and store in secured area. Sample contents for waste characterization.
503 S. Raymond Ave.	Consumer cleaning products. D-sized batteries.	Room 3	Batteries require recycling.
	Plastic bucket under sink, unlabeled, liquid present. Possible leaking sink.	Room 6	Secure liquid and sample contents for waste characterization.
528 S. Raymond Ave.	1, small lead acid battery 1, 5-gallon plastic container, unlabeled, liquid. 1, 7-gallon plastic fuel-type container, unlabeled, liquid 1, 10-gallon trash can type container, unlabeled, liquid 1, 1-quart Purple Power	Room 5	Battery requires recycling. Secure containers and sample contents for waste characterization.
532 S. Raymond Ave.	Photo developing chemicals, spilled on concrete floor	Room 4	Space was occupied. Conditions may change.
	Water damage & very minor fungal growth.	Room 4	No special handling required.
	Toner cartridge powder, inks, spilled on concrete floor	Room 3	Space was occupied. Conditions may change.
	Numerous computers, CRTs, printers, and other electronics.	Room 3	Space was occupied. Equipment may be removed. If left, E-waste will require recycling.
	Powder, and ink stains on wall and concrete floor	Room 7	Space was occupied. Conditions may change.
	Numerous photo developing chemicals, toners, inks, cleaning products, bleach, aerosols.	Throughout	Space was occupied. Materials may be removed by tenant.
535 S. Raymond Ave.	Numerous aerosol cans, small propane cylinders, CO ₂ cylinders. Various chemicals, metal working machinery, oils.	Room 5	Space was occupied. Materials may be removed by tenant.

Hazardous Materials Work Plan - Raymond Avenue Grade Separation Project *June 4, 2013*
AMEC Project No. 4953-13-0341

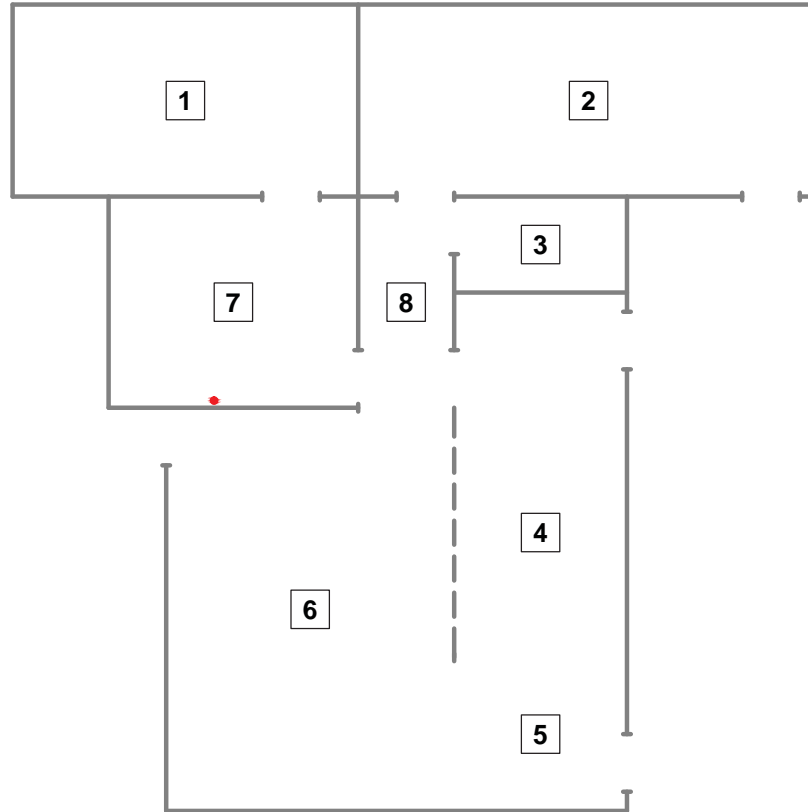
Table 7
Other Hazardous Materials

Address	Material Description	Location	Action
	Consumer cleaning products.	Room 2	Space was occupied. Conditions may change.

Hazardous Materials Work Plan - Raymond Avenue Grade Separation Project
AMEC Project No. 4953-13-0341

June 4, 2013

FIGURES



Notes:

- X Room number
- Positive asbestos sample result
- * Positive roof penetration mastic, see table
- Half wall



Orange County Transportation Authority



AMEC
 Environment & Infrastructure, Inc.
 6001 Rickenbacker Rd, Los Angeles, CA 90040
 Phone (323) 889-5300 Fax (323) 721-6700

1128 E. WALNUT AVENUE
 FULLERTON, CALIFORNIA

LT, LNG:	
SCALE:	1" = 10'
DRAWN:	VMN
CHKD:	D. Harman
PM:	N. Newlander
DATE:	5/1/2013

FLOOR PLAN

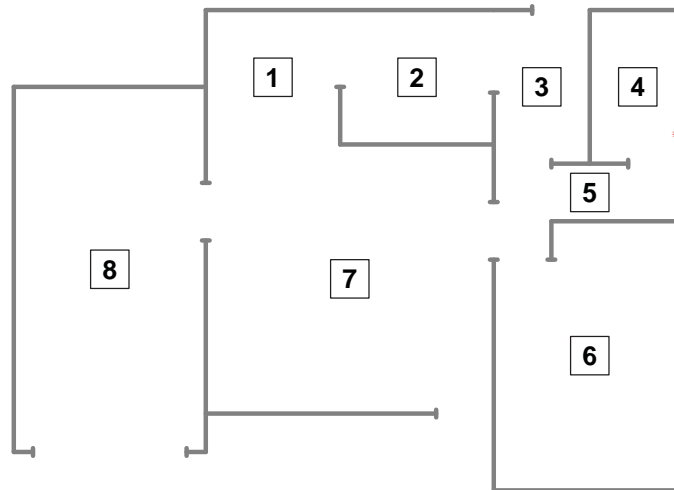
EXHIBIT J-1 Page 154 of 174

FIGURE NO.

1

PROJECT:

4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result
- * Positive roof penetration mastic, see table



Orange County Transportation Authority



AMEC
 Environment & Infrastructure, Inc.
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1131 E. WALNUT AVENUE
 FULLERTON, CALIFORNIA

LT/LNG:	
SCALE:	1" = 10'
DRAWN:	VMN
CHKD:	D. Harman
PM:	N. Newlander
DATE:	5/1/2013

FLOOR PLAN

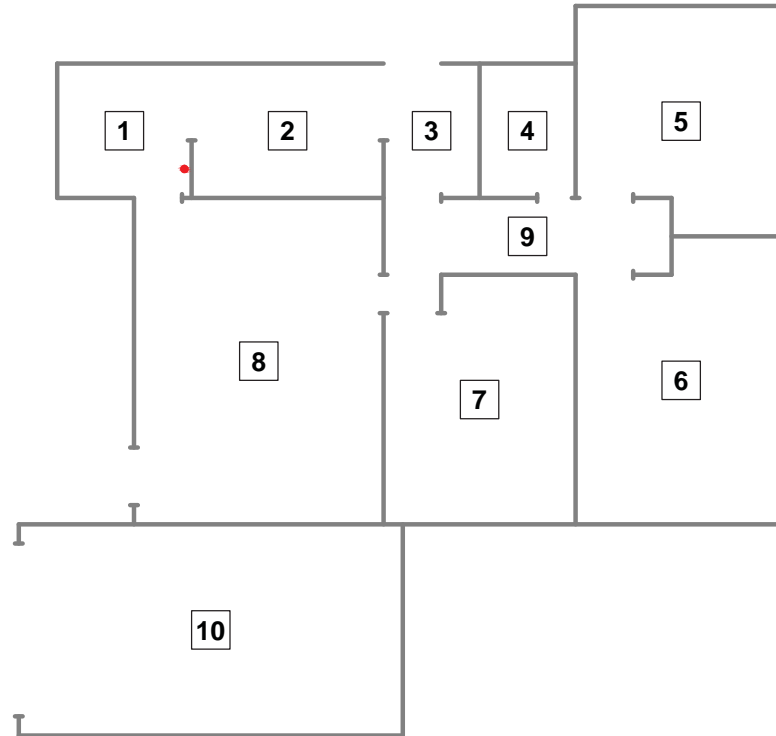
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FIGURE NO.

2

PROJECT:

4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result
- * Positive roof penetration mastic, see table



Orange County Transportation Authority



AMEC
 Environment & Infrastructure, Inc.
 6001 Rickenbacker Rd, Los Angeles, CA 90040
 Phone (323) 889-5300 Fax (323) 721-6700

1132 E. WALNUT AVENUE
 FULLERTON, CALIFORNIA

LT/LNG:	
SCALE:	1" = 10'
DRAWN:	VMN
CHKD:	D. Harman
PM:	N. Newlander
DATE:	5/1/2013

FLOOR PLAN

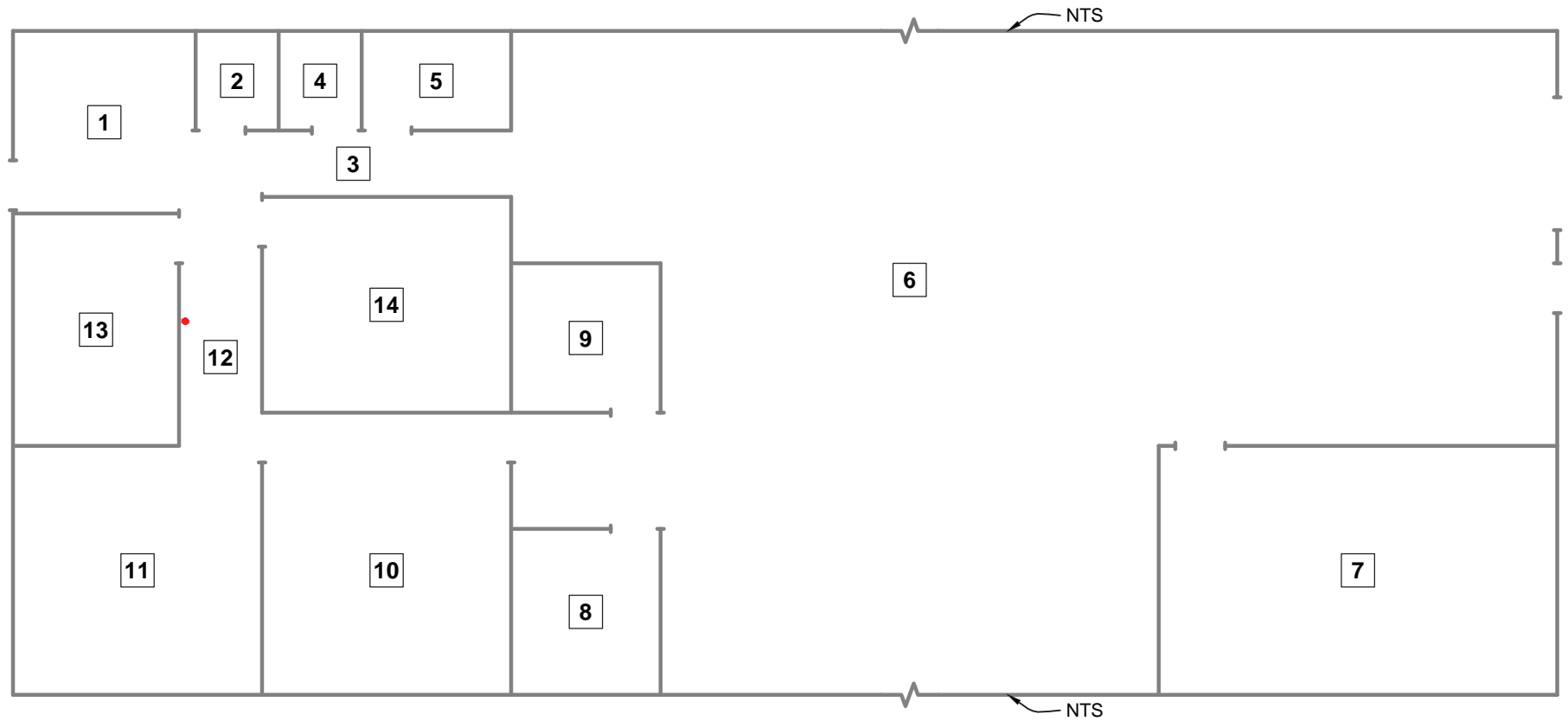
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FIGURE NO.

3

PROJECT:

4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result
- * Positive roof penetration mastic, see table



Orange County Transportation Authority



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 6001 Rickenbacker Rd, Los Angeles, CA 90040
 Phone (323) 889-5300 Fax (323) 721-6700

503 S. RAYMOND AVENUE
 FULLERTON, CALIFORNIA

LT, LNG:	
SCALE:	1" = 10'
DRAWN:	VMN
CHKD:	D. Harman
PM:	N. Newlander
DATE:	5/1/2013

FLOOR PLAN

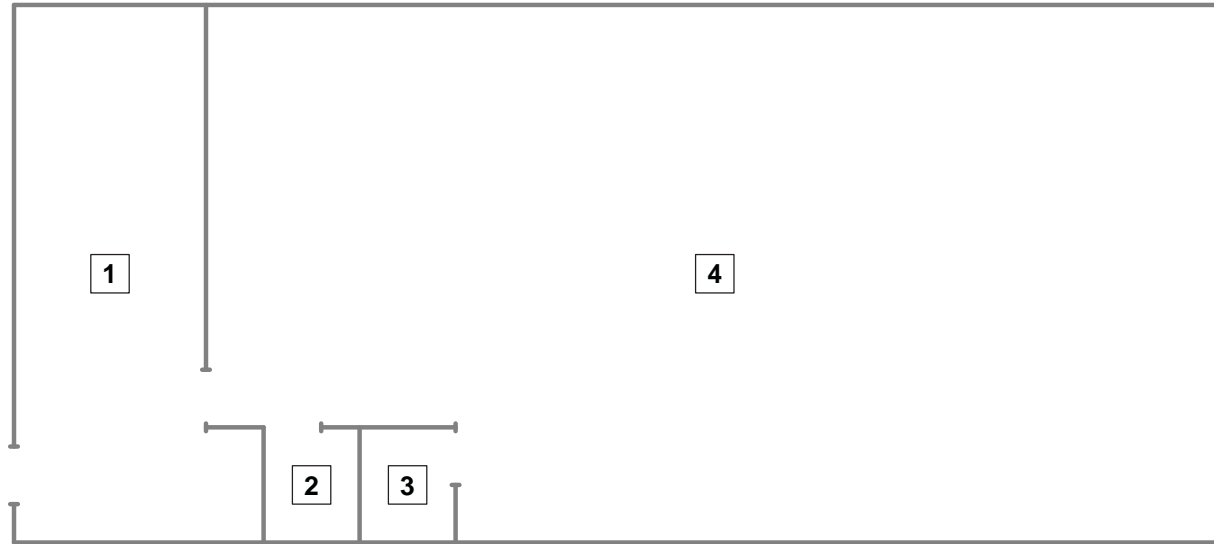
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FIGURE NO.

4

PROJECT:

4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result
- * Positive roof penetration mastic, see table



Orange County Transportation Authority



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 6001 Rickenbacker Rd, Los Angeles, CA 90040
 Phone (323) 889-5300 Fax (323) 721-6700

522 S. RAYMOND AVENUE
 FULLERTON, CALIFORNIA

LT, LNG:	
SCALE:	1" = 10'
DRAWN:	VMN
CHKD:	D. Harman
PM:	N. Newlander
DATE:	5/1/2013

FLOOR PLAN

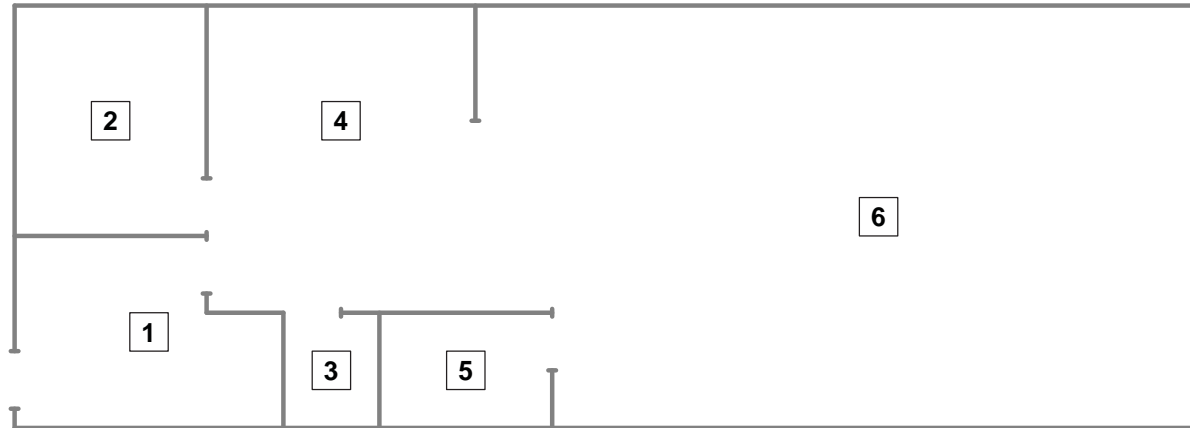
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FIGURE NO.

5

PROJECT:

4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result
- * Positive roof penetration mastic, see table



Orange County Transportation Authority



AMEC
 Environment & Infrastructure, Inc.
 6001 Rickenbacker Rd, Los Angeles, CA 90040
 Phone (323) 889-5300 Fax (323) 721-6700

524 S. RAYMOND AVENUE
 FULLERTON, CALIFORNIA

LT, LNG:	
SCALE:	1" = 10'
DRAWN:	VMN
CHKD:	D. Harman
PM:	N. Nwelanders
DATE:	5/1/2013

FLOOR PLAN

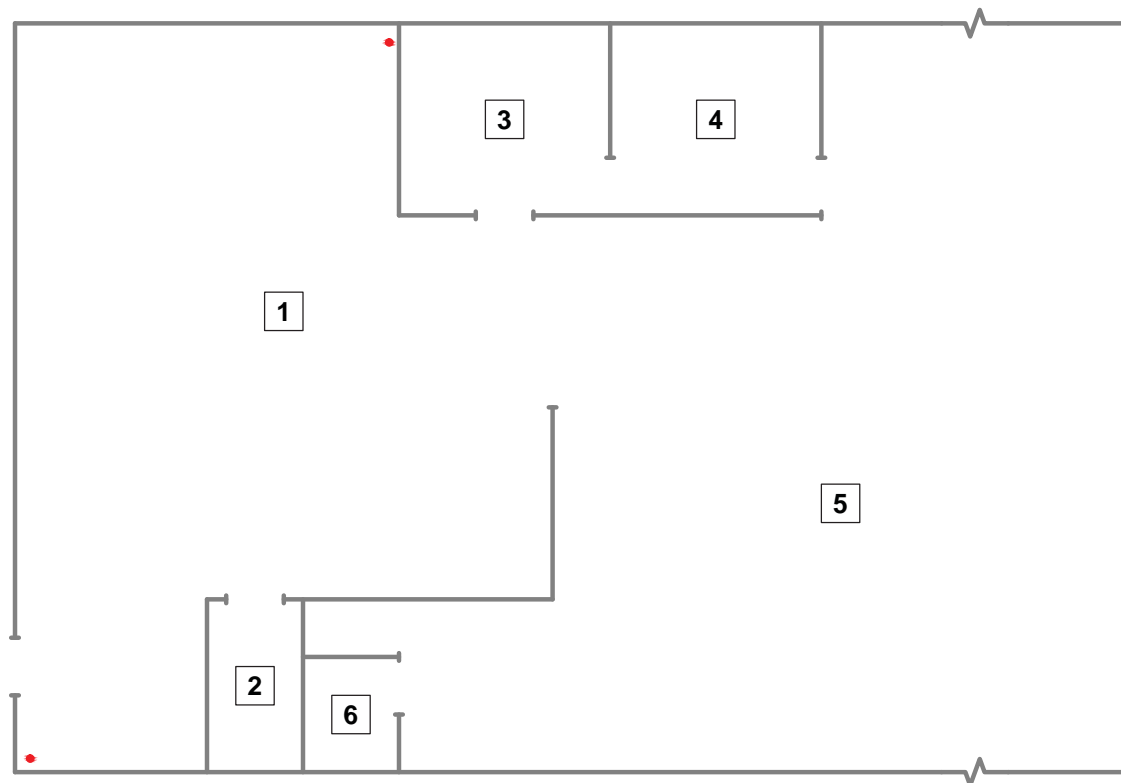
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FIGURE NO.

6

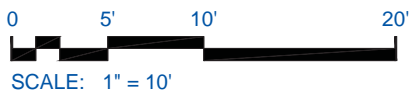
PROJECT:

4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result
- * Positive roof penetration mastic, see table



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 Phone (323) 889-5300 Fax (323) 721-6700

528 S. RAYMOND AVENUE
 FULLERTON, CALIFORNIA

LT, LNG:	
SCALE:	1" = 10'
DRAWN:	VMN
CHKD:	D. Harman
PM:	N. Newlander
DATE:	5/1/2013

FLOOR PLAN

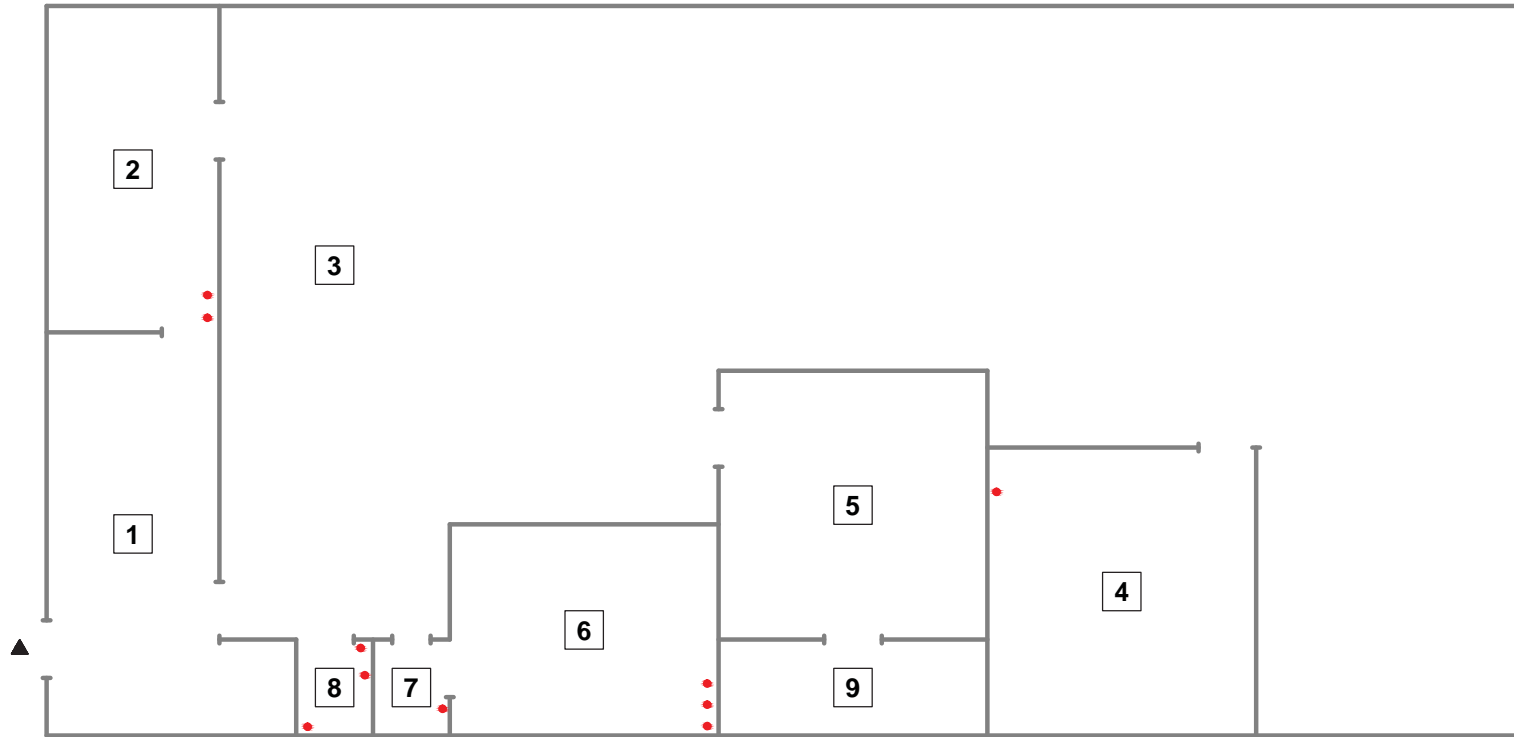
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FIGURE NO.

7

PROJECT:

4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result
- * Positive roof penetration mastic, see table
- ▲ Positive lead-based point result



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 Phone (323) 889-5300 Fax (323) 721-6700

532 S. RAYMOND AVENUE
 FULLERTON, CALIFORNIA

LT, LNG:	
SCALE:	1" = 10'
DRAWN:	VMN
CHKD:	D. Harman
PM:	N. Newlander
DATE:	5/1/2013

FLOOR PLAN

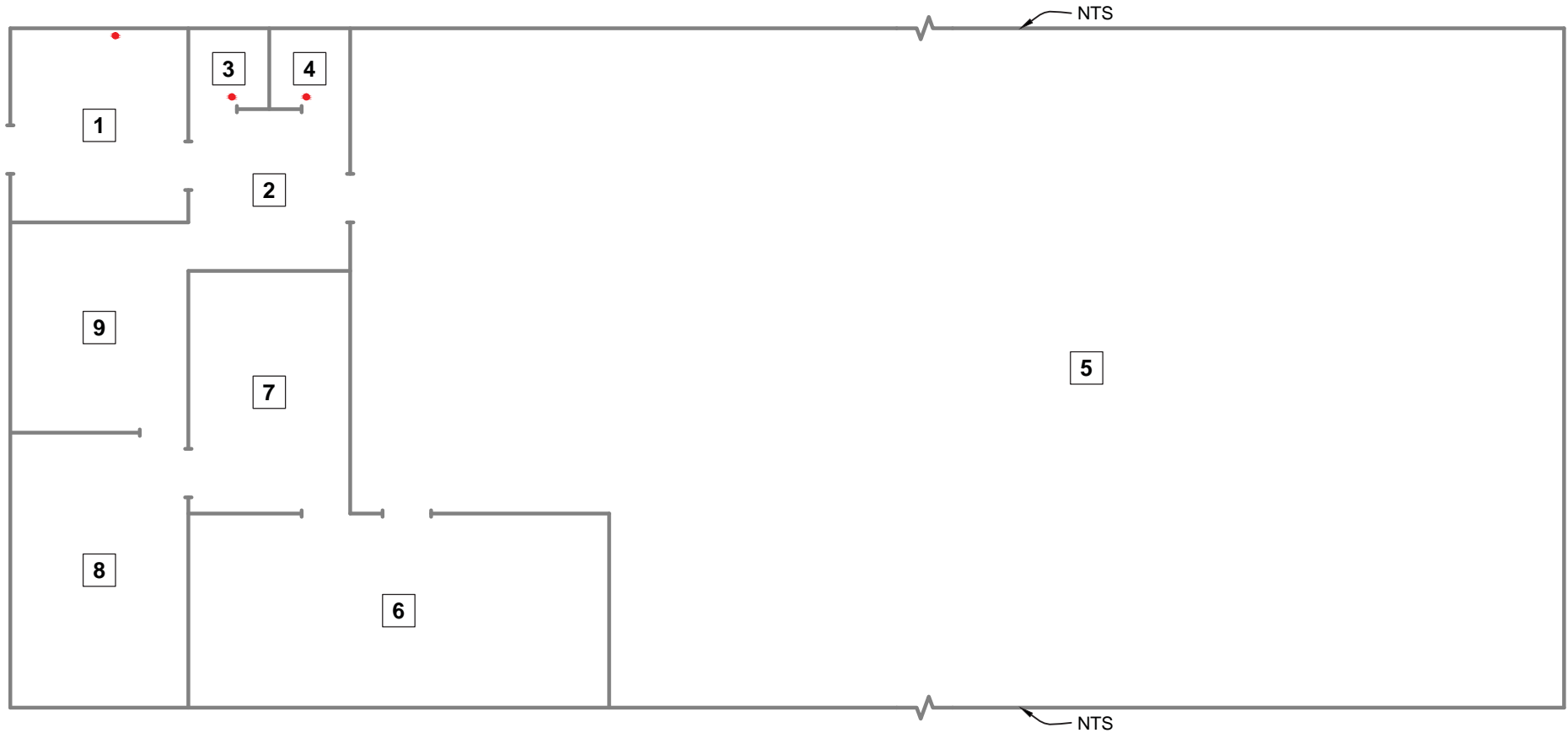
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FIGURE NO.

8

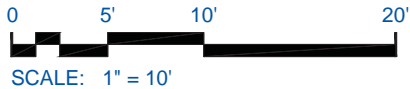
PROJECT:

4953-13-0341



Notes:

- X Room number
- Positive asbestos sample result
- * Positive roof penetration mastic, see table



Orange County Transportation Authority



AMEC
 Environment & Infrastructure, Inc.
 6001 Rickenbacker Rd, Los Angeles, CA 90040
 Phone (323) 889-5300 Fax (323) 721-6700

535 S. RAYMOND AVENUE
 FULLERTON, CALIFORNIA

LT/LNG:	
SCALE:	1" = 10'
DRAWN:	VMN
CHKD:	D. Harman
PM:	N. Newlander
DATE:	5/1/2013

FLOOR PLAN

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FIGURE NO.

9

PROJECT:

4953-13-0341

APPENDIX C
REMOVAL AND ABATEMENT WORKPLAN



HAZARDOUS MATERIALS WORK PLAN RAYMOND AVENUE GRADE SEPARATION PROJECT

PART 1 : ASBESTOS ABATEMENT WORK PLAN

1.0 GENERAL

- A. Work: The work includes the abatement and disposal of the following materials as specified, shown, or reasonably implied in this Work Plan, Table 1, and on the Drawings:
 - 1) Asbestos-Containing Construction Material with concentrations of asbestos greater than 0.1%.
 - 2) Asbestos-Containing Material
 - 3) Regulated Asbestos-Containing Material
 - 4) Asbestos-Containing Waste Material
 - 5) Presumed Asbestos-Containing Material
- B. Applicable Regulations: The regulations listed below form a part of these Specifications to the extent of their applicability. The regulations, when referred to in the text, are done so by the basic designation only.
 - 1) Title 8 California Code of Regulations Construction Safety Orders.
 - 2) Title 8 California Code of Regulations Chapter 3.2. California Occupational Safety and Health Regulations, Article 2. Permits--Excavations, Trenches, Construction and Demolition and the Underground Use of Diesel Engines in Work in Mines and Tunnels (Sections 341 - 341.5)
 - 3) Title 8 California Code of Regulations Chapter 3.2. California Occupational Safety and Health Regulations, Article 2.5. Registration--Asbestos- Related Work (Sections 341.6 - 341.14)
 - 4) South Coast Air Quality Management District Rule 1403 Asbestos Emissions from Renovation/Demolition Activities

1.1 SAFETY COMPLIANCE

- A. Comply with laws, ordinances, rules, and regulations of Federal, State, regional, and local authorities and publications regarding handling, storing, transporting, and disposing of Asbestos-Containing Material, Regulated Asbestos-Containing Material, Asbestos-Containing Construction Material and Asbestos-Containing Waste Material.
- B. Personal Air Monitoring and other monitoring, which are required by law, or considered necessary by the Contractor for worker protection shall be the responsibility of the Contractor.

1.2 SUBMITTALS AND NOTIFICATIONS

- A. Records: Contractor will provide satisfactory evidence of personnel training, State Certifications, and medical examination records for all employees and other persons providing labor and professional services for the Contractor, and who will be entering the Work Area.
- B. Permits: Proof satisfactory to the Owner that all required permits have been obtained. If no permits are required, submit letter stating such.
- C. Waste Transportation: The method of transport for hazardous wastes, regulated wastes, and reclaimed or recycled wastes including the Transporter(s) name, address, telephone number,

and US EPA ID number, and State Transporter's ID number, when required by applicable authorities.

- D. Treatment, Storage, and Disposal Facility (TSDF): The name, address, telephone number, EPA ID number, and State Facility's ID number of the waste disposal and/or recycling facility(s) to be used. This submittal is not required when the Contract Documents or Owner stipulates the disposal facility(s) to be used and substitutions are prohibited.
- E. Work Plan: Contractor will prepare a work plan to include;
 - 1) Names of Superintendent, Foremen, Project Manager and other key personnel, and their day time and emergency telephone and pager numbers.
 - 2) Plans describing engineering controls and work procedures to be used on the Project.
 - 3) The number and placement of negative air equipment.
 - 4) Personal air monitoring procedures.
 - 5) Safety Plan.
 - 6) Project schedule.
 - 7) Emergency evacuation plan for injured workers, compressor failure, fire and other emergencies.
- F. Agency and Other Regulatory Required Notifications: Proof that Cal/OSHA and the South Coast Air Quality Management District have been notified, per regulatory requirements, prior to commencement of Work:
- G. Proof of Contractor's License and Asbestos Certification or Registration required by State and local regulatory agencies.
- H. Waste Disposal Documents: At the conclusion of Work, the Contractor shall provide satisfactory evidence that project-derived wastes were disposed, reclaimed, or recycled at the approved Treatment, Storage or Disposal Facility (TSDF) or recycling facility (a fully executed copy of the Hazardous Waste Manifest, Nonhazardous Waste Manifest, shipping papers, or other waste shipment documents as required by Federal, State or local agencies). The documents shall be submitted to Owner, and include documentation of the weight, or quantity of wastes generated and received at the TSDF, or recycling facility. This quantity may be confirmed by a party independent from the Contractor.

1.3 PERSONAL PROTECTIVE EQUIPMENT (PPE)

- A. Personal protective equipment, including respirators as required by 8 CCR 1529, including disposable full-body coveralls, head covers, boots, and gloves shall be provided by Contractor. Fire retardant full-body coveralls are required in areas of open flame, or where required by local regulations.
- B. Eye protection and hard hats shall be available, and worn, as appropriate or as required by applicable safety regulations.
- C. PPE shall be worn from the initiation of Work that disturbs, or may disturb, Asbestos-Containing Material until the Work Area has been given clearance.

- D. Contractor will provide Authorized Visitors with protective clothing, headgear, eye protection, and footwear suitable to enter the Work Area, as needed.

1.4 WORKER PROTECTION

- A. Contractor shall establish worker protection procedures in accordance with 8 CCR 1529 to include:
 - 1) Safe Work Practices
 - 2) PPE specifications
 - 3) Decontamination procedures
 - 4) Waste handling procedures.
 - 5) Prohibition of eating, drinking, smoking, or chewing gum or tobacco while in the Work Area.
 - 6) Prohibition of Workers and Authorized Visitors entering the Work Area with facial hair or who are unshaven.

2.0 WORK EXECUTION

2.1 ASBESTOS LOCATIONS AND QUANTITIES

- A. Refer to Table 1 for the type, location, and estimated quantities of ACM to be removed under this Contract.
- B. Materials shown on Table 1 contain Asbestos in concentrations greater than one tenth of one percent (>0.1%).
- C. Asbestos-containing resilient floor tile, sheet flooring or flooring mastic may be, concealed under cabinets, partitions or other fixed objects. Contractor shall ensure no concealed flooring materials are left in the buildings.
- D. Asbestos locations and quantities provided in Table 1 are approximate. Contractor shall perform destructive investigation to ensure no concealed ACCM is left in the building.

2.2 WORK AREA PREPARATION

- A. Heating, ventilation and air-conditioning (HVAC) air intake and exhaust ports, ventilating skylights, attic ventilators, roof access hatches, doors, windows, and other openings in or adjacent to the Work Area shall be isolated with a minimum of one (1) layer of six (6) mil polyethylene sheet plastic.
- B. Where physically possible, maintain a minimum of two emergency exits from the Work Area, located at opposite ends of the Work Area. Temporary exits shall be installed and maintained in a safe manner in accordance with Federal, State and local regulatory requirements.
- C. Install and maintain plastic sheeting with taped seams within accessible attics, ceiling cavities, lofts, rooms or areas exposed to the roof deck where roofing materials are being removed down to the roof deck and openings in the roof deck may allow roofing debris and dust to migrate into these areas.
- D. Demarcate the Work Area in accordance with 8 CCR 1529. Locate signs or construct barriers so that the signs cannot be seen from public areas, but will still provide appropriate warning to workers prior to their entering the Work Area. Secure the Work Area to prevent unauthorized visitors from entering the Work Area, provided such methods do not alter emergency exits required by the local building and fire department, and emergency exits.

- E. Provide and maintain appropriate fire extinguishers in the Work Area in accordance with local building and fire department regulations. When no specific regulatory fire extinguisher requirements are applicable to the Site, Contractor shall select the type, number and placement of fire extinguishers appropriate for Work conditions.
- F. Demark decontamination and clean room areas, and install appropriate equipment, materials, supplies, and signage to facilitate proper personal hygiene and equipment cleaning, as required by 8 CCR 1529.
- G. Install and maintain plastic sheeting at the base of the building, and other horizontal surfaces lower and adjacent to roofs undergoing abatement, to catch debris. This requirement is exempt only when physical barriers such as parapets and other vertical structures, are continuous and of adequate height to prevent falling debris.
- H. Asbestos Abatement Work shall not commence until preparation requirements have been completed; tools, equipment, and materials are on hand; required submittals, notices and permits have been submitted and approved.

2.3 ASBESTOS REMOVAL

- A. Before removal, Asbestos materials shall be sprayed with Amended Water. Asbestos materials shall be sufficiently saturated, without causing excessive dripping, to prevent emission of airborne fibers, in excess of the Permissible Exposure Limit and Excursion Limit. Spray materials repeatedly during the work process to maintain a wet condition. If the materials are friable but resist saturation, the Work Area shall be constantly misted to keep air borne fiber concentrations to a minimum, provided that misting will not affect worker safety.
- B. Asbestos materials shall be removed in manageable sections by a multi-person team, some of whom are wetting and the remainder removing and cleaning. Material removed is to be placed in appropriate Asbestos waste plastic bags. Material, which falls to the floor, shall be wetted, picked up immediately and packed into Asbestos waste bags while it is still wet. Material shall not be allowed to dry out. Material drop shall not exceed 15 feet. For heights up to 50 feet, provide inclined chutes or scaffolding to intercept drop. For heights exceeding 50 feet, provide enclosed dust-proof chutes. The outside of all Asbestos waste bags shall be cleaned before leaving the Work Area.
- C. Solvents used during removal activities shall be low odor, non-toxic, non-carcinogenic, nonflammable (flash-point in excess of 200° F.), nonreactive with or damaging to materials it will come in contact with and approved for indoor use by the solvent manufacturer and regulatory agencies. Provide ventilation of Work Area as required by manufacturer. Vent exhaust to the exterior of the building and in a manner that will not result in adverse affects to other areas of the facility, adjacent facilities or public areas. Solvents shall not be used in areas in which merchandise and foodstuffs are stored.
- D. Asbestos material debris, drippings, splatters, and overspray on surfaces within accessible ceiling cavities and other accessible areas shall be removed in the same manner and cleaned to the degree as specified above.
- E. Asbestos debris inspection and removal requirements within open top, partitions, column enclosures, pipe chases and other voids: When friable Asbestos-Containing Material including, fireproofing, acoustical finishes and other surfacing material, damage thermal system insulation, or damaged Nonfriable Asbestos-Containing Material exist above such

voids, Contractor shall remove portions of the components enclosing the void to inspect for and remove such debris that has fallen into the void. Contractor shall remove enough of the structure to ensure that all ACM debris is removed. Contractor shall thoroughly investigate voids that may contain framing members, fire stops, blocking, conduit, pipe, switches or other items that may hold ACM debris at various levels above the floor line, to ensure such debris is removed.

- F. The Work Area shall be kept orderly, clean and clear of debris and work materials. Polyethylene sheeting, tape, cleaning material, and clothing, and all other disposable materials or items used in the Work Area shall be packed into Asbestos waste bags and removed from the Work Area at the appropriate time during the Work.
- G. Asbestos waste bags shall be cleaned and stored in the Holding Area or other secured and locked area until that time when the materials are to be loaded and hauled to the Waste Disposal Facility. The waste holding area shall be secured and locked when not being loaded.
- H. Equipment from the work area shall be cleaned in the decontamination area before removal to the clean area in accordance with the requirements of 8 CCR 1429.

2.4 CLEANING OF WORK AREA

- A. Remove visible accumulations of Asbestos material and debris. Wet-clean and HEPA vacuum surfaces within the Work Area to remove Asbestos residue.
- B. After cleaning, perform a thorough visual inspection of the Work Area to ensure that the area is free of visible debris or residue.
- C. Upon completion of the visual inspection and any necessary re-cleaning, notify Owner that the Work Area is ready for Clearance.
- D. The Work Area will be visually inspected by Owner's representative for general conformance with the Specifications. Any nonconforming Work shall be remedied at the Contractor's expense.
- E. Upon notification from the Owner that the Work Area has passed the Visual Inspection Clearance, remove isolation and protective barriers.

2.5 WASTE TRANSPORTATION AND DISPOSAL

- A. Asbestos-containing waste shall be packed into DOT approved, sealed, labeled containers for transport.
- B. Asbestos-containing waste shall be disposed of at an approved, licensed, waste disposed facility.
- C. Notify the Owner in advance when waste is to be removed from the Site. The Owner must review and sign the appropriate Uniform Hazardous Waste Manifest, Nonhazardous Waste Manifest or other shipping documents required by Federal, State or local agencies.

*Hazardous Materials Work Plan - Raymond Avenue Grade Separation Project
AMEC Project No. 4953-13-0341*

June 4, 2013

- D. The Contractor shall be responsible for the safe handling and transportation of all Asbestos waste, generated under this Contract, to the designated Waste Disposal Facility.

2.6 CLEARANCE AND PROJECT CLOSE OUT

- A. Clearance of Work Areas shall be performed by Owner's representative and will consist of a visual inspection of the work areas for any signs of dust or debris.
- B. The Owner, at his discretion, retains the right to require Clearance Testing.
- C. Contractor shall not be released to remove engineering controls, isolation and protective barriers, or proceed with other Work under the Contract for the subject Work Area until Owner provides notification that the Work Area has passed the Visual Clearance.
- D. Remove protective and isolation barriers, engineering controls temporary facilities, tools and equipment.
- E. Remove waste and waste containers from the Site.
- F. Provide all required notifications and waste documents.

PART 2: LBP, PCB, FLUORESCENT TUBES, AND OTHER HAZARDOUS MATERIAL ABATEMENT

1.0 GENERAL

- A. Work: The work includes the abatement and disposal of the following hazardous materials as specified, shown, or reasonably implied in this Work Plan, in Tables 2 to 7, and on the Drawings.
- B. This section addresses:
 - 1) Lead-based paint removal and recycling.
 - 2) Ballast removal and destruction or disposal.
 - 3) Fluorescent lighting tube removal and recycling.
 - 4) Mercury-containing equipment removal and recycling.
 - 5) Chlorofluorocarbon refrigerant reclamation.
 - 6) Unknown material characterization, containerization and treatment, recycling, or disposal.
- C. Locations and Quantities: Locations and quantities provided in the attached Tables 2 to 7 are approximate. Contractor shall confirm estimates to their satisfaction to ensure no materials are left in the building.
- D. Regulations: The Contractor shall comply with the requirements of the current issue of the following regulations and guidelines governing LBPs, PCBs, mercury, and other hazardous material removal, handling, storage, and disposal, as well as any other applicable Federal, State, and Local Government regulations. The regulations listed below form a part of these Specifications to the extent of their applicability. The publications, when referred to in the text, are done so by the basic designation only.
 - 1) Title 8 California Code of Regulations Construction Safety Orders.
 - 2) Title 22 California Code of Regulations Division 4.5 Environmental Health Standards for the Management of Hazardous Waste.
 - 3) South Coast Air Quality Management District Rules.

1.1 Safety Compliance

- A. Comply with laws, ordinances, rules, and regulations of Federal, State, regional and local authorities and publications regarding the handling, storing, transporting, and disposing of regulated, universal, and hazardous wastes.
- B. Personal Air Monitoring and other monitoring, which are required by law, or considered necessary by the Contractor for worker protection shall be the responsibility of the Contractor.

1.2 WORKER PROTECTION

- A. Contractor shall establish appropriate worker protection procedures in accordance with 8 CCR to include:
 - 1) Safe Work Practices.
 - 2) PPE specifications.
 - 3) Waste handling procedures.

- 4) Prohibition of eating, drinking, smoking, or chewing gum or tobacco while in the Work Area.
- B. Each worker assigned to perform work shall be trained in accordance with Cal/OSHA regulations. Such training shall be completed and documented prior to assignment of each worker.

1.3 SUBMITTALS AND NOTIFICATIONS

- A. Records: Contractor will provide satisfactory evidence of personnel training, State Certifications, and medical examination records, for all employees and other persons providing labor and professional services for the Contractor, as required by law.
- B. Permits: Proof satisfactory to the Owner that all required permits have been obtained. If no permits are required, submit letter stating such.
- C. Waste Transportation: The method of transport for hazardous wastes, regulated wastes, universal wastes and recyclable wastes including the Transporter(s) name, address, telephone number, and US EPA ID number, and State Transporter's ID number, when required by applicable authorities.
- D. Treatment, Storage, and Disposal Facility (TSDF): The name, address, telephone number, EPA ID number, and State Facility's ID number of the waste disposal and/or recycling facility(s) to be used. This submittal is not required when the Contract Documents or Owner stipulates the disposal facility(s) to be used and substitutions are prohibited.
- E. Work Plan: Contractor will prepare a work plan to include;
 - 1) Names of Superintendent, Foremen, Project Manager and other key personnel, and their day time and emergency telephone and pager numbers.
 - 2) Plans describing work procedures to be used on the Project.
 - 3) Required personal protective equipment (PPE).
 - 4) Method of disposition (e.g., recycling, disposal, incineration, reclamation) for the anticipated waste streams. List transporter and disposal site(s) and their respective EPA ID number(s).
 - 5) Method for on-site packaging and storage to keep florescent light tubes intact from their removal until their delivery to a recycling facility.
 - 6) Project schedule.
 - 7) Emergency evacuation plan for emergencies.
- F. Proof of Contractor's License and Lead Certification or Registration required by regulatory agencies.
- G. Waste Disposal Documents: At the conclusion of Work, the Contractor shall provide satisfactory evidence that project-derived wastes were disposed, reclaimed, or recycled at the approved Treatment, Storage or Disposal Facility (TSDF) or recycling facility (a fully executed copy of the Hazardous Waste Manifest, Nonhazardous Waste Manifest, shipping papers, or other waste shipment documents as required by Federal, State or local agencies). The documents shall be submitted to Owner, and include documentation of the weight, or quantity

of wastes generated and received at the TSDF, or recycling facility. This quantity may be confirmed by a party independent from the Contractor.

1.4 COMPLIANCE MONITORING

- A. Oversight of the Contractor's hazardous material related work may include, but not be limited to, the following activities:
 - 1) Review of Contractor's submittal.
 - 2) Review of removed light ballasts prior to packaging to verify that PCB ballasts have been properly identified and segregated by the Contractor.
 - 3) Review of fluorescent light tube removal, handling, storage,
 - 4) Review of material analytical results, and
 - 5) Review of treatment, recycling, and disposal documentation.

2.0 LEAD-BASED PAINT ABATEMENT

- A. The LBP abatement involves the removal one AC unit frame with a surface finish that contains detectable quantities of lead located at 532 South Raymond Avenue.
- B. All other painted surfaces tested by X-Ray Fluorescence (XRF) spectrometry detected no lead at or above regulatory levels.
- C. Properly remove the lead containing AC unit frame before building demolition.
- D. Send frame to a licensed recycler.
- E. No other lead abatement or lead-related construction work is intended.

3.0 FLUORESCENT LIGHT FIXTURE REMOVAL

- A. The fluorescent light fixture removal involves the removal, handling and disposal of both the light ballasts and light tubes at the properties. Location, identification and quantities of ballasts and tubes are presented in Table 3 and 4.

3.1 WORK EXECUTION

- A. Prior to starting light fixture removal, Contractor must assure that all electrical power to all lighting and electrical systems is disengaged, in accordance with Cal/OSHA requirements.
- B. Establish a protected work area (e.g., tables, pallets, ground surface protected with plastic sheeting) for removing ballasts from fixtures and to segregate PCB and non-PCB ballasts to facilitate review by the Construction Manager prior to containerizing ballasts for storage and shipping.
- C. First remove fluorescent tubes from the fixtures without breaking them and place in protective storage containers to avoid breakage.
- D. Remove fixtures from ceiling or suspension systems and place on the prepared work surface. Open the light fixture and remove ballast. If the ballast is marked "No PCBs," it will be

considered non-PCB ballast. All other ballasts must either be sampled for PCB content or be assumed to be PCB-containing ballasts, in the absence of valid manufacturer product information to the contrary. Segregate the ballasts according to PCB content.

- E. If assumed PCB-containing ballasts are to be sampled, at least one ballast from each distinctive manufacturer and model must be sampled and analyzed.
- F. Owner shall be offered the opportunity to verify the proper identification and segregation of PCB ballasts prior to the ballasts being placed into shipping containers.
- G. Place segregated ballasts into DOT-approved and labeled shipping containers.
- H. PCB ballasts or presumed PCB ballasts which show evidence of leakage require the appropriate oil resistant gloves be worn prior and are to be placed within a plastic bag and put into a DOT-approved and labeled shipping container.

3.2 WASTE TRANSPORTATION AND DISPOSAL

- A. Fluorescent light tubes shall be packed into DOT-approved, sealed, labeled containers for transport to an approved, licensed, waste recycling facility.
- B. Non-PCB ballasts may be disposed of as construction waste.
- C. Presumed PCB-containing ballasts and PCB ballasts must be stored, transported, and disposed of as hazardous waste, according to 22 CCR hazardous waste management requirements. PCB-containing ballasts to be managed by incineration must include a certificate of destruction from the TSDF.
- D. Wastes shipped as Universal Waste must be accompanied by proper shipping papers or other documentation. Wastes shipped as hazardous waste must be accompanied by a Uniform Hazardous Waste Manifest.
- E. Notify the Owner in advance when waste is to be removed from the Site. The Owner must review and sign the appropriate Uniform Hazardous Waste Manifest, Nonhazardous Waste Manifest or other shipping documents required by Federal, State or local agencies.
- F. The Contractor shall be responsible for the safe handling and transportation of all waste, generated under this Contract, to the designated TSDF or recycling facility.

4.0 OTHER HAZARDOUS MATERIALS MANAGEMENT

- A. Other hazardous materials remaining at the units included one thermostat with mercury filled ampoules, chlorofluorocarbon refrigerants, consumer cleaning products, various aerosols, alkaline batteries, lead acid battery, cans labeled as paint, patching compound, and motor oil, and unlabeled containers with unknown liquids. Location, identification and quantities of these materials are presented in Table 5, 6 and 7.

4.1 WORK EXECUTION

- A. Remove thermostat prior to demolition. Containerize and dispose of the thermostat as universal waste in accordance with 22 CCR Universal Waste regulations.
- B. Reclaim chlorofluorocarbon refrigerants from the HVAC package units prior to removal of HVAC units from roofs in accordance with SCAQMD Rule 1415. Reclaim lubricant oils from units, or send to a Certified Appliance Recycler for recycling. Lubricant oils must be drained after the refrigerant has been extracted.
- C. Reclaim chlorofluorocarbon refrigerant from the AC wall unit, or send unit to a Certified Appliance Recycler for recycling. Reclaim lubricant oil or send to a Certified Appliance Recycler for recycling. Lubricant oils must be drained after the refrigerant has been extracted.
- D. Establish a protected work area (e.g., tables, pallets, ground surface protected with plastic sheeting). Compile and segregate containers.
- E. Open and evaluate consumer product containers for conformance with labels. Sample contents for waste characterization, as needed.
- F. Sample unlabeled containers for waste characterization. Label container pending analysis, and place in secure area. Repackage, label, and dispose/recycle material, as appropriate, based upon characterization analysis. Comply with hazardous waste management standards.
- G. Evaluate aerosol cans. Handle as universal waste if not empty. Comply with empty provisions of universal waste rules.
- H. Compile and send batteries for recycling as universal waste.
- I. The Contractor shall provide the Construction Manager with copies of analytical results, and waste characterization determinations prior to removal of the materials from the site.

4.2 WASTE TRANSPORTATION AND DISPOSAL

- A. Wastes shall be packed into DOT-approved, sealed, labeled containers for transport to an approved, licensed, TSDF or recycling facility.
- B. Wastes shipped as Universal Waste must be accompanied by proper shipping papers or other documentation. Wastes shipped as hazardous waste must be accompanied by a Uniform Hazardous Waste Manifest.
- C. Notify the Owner in advance when waste is to be removed from the Site. The Owner must review and sign the appropriate Uniform Hazardous Waste Manifest, Nonhazardous Waste Manifest or other shipping documents required by Federal, State or local agencies.
- D. The Contractor shall be responsible for the safe handling and transportation of all waste, generated under this Contract, to the designated TSDF or recycling facility.

Exhibit K

Initial Site Assessment Report

Demolition Services - Raymond Avenue Grade Separation Project



**INITIAL SITE ASSESSMENT
RAYMOND AVENUE GRADE SEPARATION
FEDERAL PROJECT NO. HPLUL-5133 (035)
FULLERTON, CALIFORNIA**

PREPARED FOR:

LSA Associates, Inc.
20 Executive Park, Suite 200
Irvine, California 92614

PREPARED BY:

Ninyo & Moore
Geotechnical and Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618

December 17, 2010
Project No. 208109001

December 17, 2010
Project No. 208109001

Ms. Lisa Williams
LSA Associates, Inc.
20 Executive Park, Suite 200
Irvine, California 92614

Subject: Initial Site Assessment
Raymond Avenue Grade Separation
Federal Project No. HPLUL-5133(035)
Fullerton, California

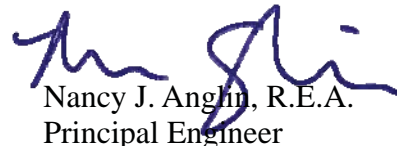
Dear Ms. Williams:

In accordance with your authorization, Ninyo & Moore has performed an Initial Site Assessment of the subject site in the city of Fullerton in Orange County, California. The purpose of our assessment was to evaluate the likelihood of environmental impacts resulting from past and present uses of the subject site and adjoining parcels to be encountered in the proposed right-of-way.

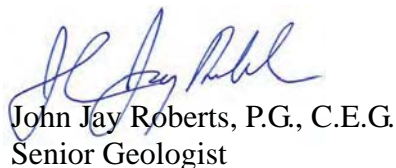
Sincerely,
NINYO & MOORE



Javier Perez
Senior Staff Environmental Geologist



Nancy J. Anglin, R.E.A.
Principal Engineer



John Jay Roberts, P.G., C.E.G.
Senior Geologist



JP/NA/JJR/mlc

Distribution: (1) Addressee (CD)
(2) Thuy Nguyen, City of Fullerton (1 hard copy; 1 CD)
(4) Jim Kaufman, Department of Transportation (3 hard copies; 1 CD)

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EXECUTIVE SUMMARY

The City of Fullerton has proposed a grade separation at Raymond Avenue and the Burlington Northern Santa Fe (BNSF) rail crossing. The project is managed by the City of Fullerton with assistance from the State of California Department of Transportation (Caltrans) under Federal Project No. HPLUL-5133(035). LSA Associates has contracted Ninyo & Moore to perform an Initial Site Assessment (ISA) for the project.

The project involves the lowering of Raymond Avenue to create an underpass at the BNSF rail crossing and the construction of two bridges to accommodate the railroad tracks and Valencia Drive, which runs parallel to the tracks. The limits of the project along Raymond Avenue extend from Commonwealth Avenue at the north to Kimberley Avenue in the south. The limits of the project along the BNSF railroad extend approximately 350 feet west of the Fullerton Creek on the west to approximately 1,200 feet east of South Acacia Avenue on the east. Driveways and sidewalks will be lowered to meet the design grade of Raymond Avenue. Underground utilities will also be relocated or lowered to meet project needs. A temporary shoofly will be constructed for the BNSF railroad to accommodate the phasing of the construction.

Historical aerial photographs and regulatory databases were reviewed, and regulatory file reviews were conducted as needed for properties within the project limits. The review included a radius search of $\frac{1}{8}$ mile along Raymond Avenue from Commonwealth Avenue to Kimberly Avenue to assess whether historical practices would have a potential impact to the project site.

Parcels along South Raymond Avenue and East Valencia Drive that were identified by the City of Fullerton as being within the project area or within the construction easement were reviewed for the presence of possible impact. Several properties with potential environmental concerns (PECs) were identified and are listed in Section 7. No off-site PECs were identified, other than adjacent facilities which are discussed herein relative to the on-site PECs. No on-site or off-site recognized environmental concerns (RECs) were identified.

Based upon the findings of this study, we make the following recommendations for properties with PECs including those which have the potential for residual impact to be encountered during

site construction. These recommendations are provided to evaluate the potential for construction worker exposure and for potential waste characterization purposes.

- Asbestos containing material (ACM) and lead based paint (LBP) may be present in structures planned for demolition. ACM and LBP surveys should be completed prior to demolition activities of on-site structures.
- Aerially deposited lead (ADL) may be present in the soil as a result of historical vehicle emissions during the era of leaded gasoline. An ADL survey should be conducted in areas of exposed soil which will be disturbed during construction within 10 feet of South Raymond Avenue, East Valencia Drive, East Walnut Avenue, and the BNSF railroad. ADL borings should be located along the shoulders and medians where earth will be disturbed at no more than 300 foot horizontal intervals. The borings should be advanced up to 4 feet below ground surface (bgs) or the maximum anticipated construction depth, whichever is shallower.
- Groundwater is not expected to be encountered during construction as the expected depth to groundwater is over 80 feet bgs and the expected maximum earth disturbance depth is 45 feet bgs. However, if construction plans change and groundwater is expected to be encountered, we recommend collecting and analyzing groundwater samples for volatile organic compounds (VOCs) and other constituents needed to apply for a construction dewatering discharge permit.
- During the construction of the railroad shoofly parallel to East Valencia Drive and crossing over South Raymond Avenue, soil will be excavated along the length of the shoofly. Based on chemicals typically used along railroad tracks there is a likelihood that residual chemicals may be present in the soil. For waste characterization purposes the soil should be sampled and analyzed to evaluate for the presence of chlorinated herbicides, metals, polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons (TPHs), and polychlorinated biphenyls (PCBs). Soil samples should be collected at no more than 300 foot horizontal intervals and at one foot vertical intervals to a depth of approximately 5 feet bgs. Surface samples should be analyzed for these target analytes. Deeper samples may be analyzed if significant concentrations of target analytes are detected.
- Subsurface investigation should be conducted along Valencia Avenue south of 350 South Raymond Avenue (APN 033-221-10, United Duralume Products) which is impacted by VOCs. Four borings should be advanced and sampled adjacent to the southern side of the property along the BNSF railroad tracks. The borings should be advanced to 45 feet bgs or the maximum expected construction depth, whichever is shallower. Soil samples should be collected and analyzed for VOCs and lead. Soil samples should be evaluated using a photo-ionization detector (PID) to assess potential exposure of construction personnel to potentially impacted VOC soil vapor (if any) during construction activities.

- Further investigation should be conducted for the property at Assessor's Parcel Number (APN) 033-230-42 (Mesa Cold Storage, 700 South Raymond Avenue) to evaluate the potential for residual impact to be encountered resulting from historical activities at this facility

The following recommendation applies to the entire project area:

A work plan and site specific health and safety plan detailing sampling locations and laboratory analysis should be prepared and submitted for properties where subsurface investigation is recommended.

1. INTRODUCTION

LSA Associates, Inc. (LSA) has authorized Ninyo & Moore to perform an Initial Site Assessment (ISA) of the Raymond Avenue Grade Separation Project along South Raymond Avenue from Commonwealth Avenue on the north to Kimberly Avenue on the south, and along the Burlington Northern Santa Fe (BNSF) railroad tracks from approximately 350 feet west of the Fullerton Creek on the west to approximately 1,200 feet east of South Acacia Avenue on the east in the City of Fullerton, California. Residential, commercial, and light industrial properties adjoin the project site. The approximate location of the project site is shown on Figure 1.

The project includes lowering South Raymond Avenue to create an undercrossing at the BNSF railroad tracks, construction of a roadway bridge for East Valencia Drive, construction of a railroad bridge for BNSF railroad tracks, and lowering of adjacent street intersections to meet the new lower grade at South Raymond Avenue. The railroad tracks will be temporarily diverted by constructing a shoofly along East Valencia Drive.

1.1. Purpose

The purpose of this ISA was to evaluate the likelihood that hazardous substances which may be present in soil or groundwater beneath the Raymond Avenue Grade Separation Project as a result of on-site or off-site activities. To evaluate the likelihood of encountering hazardous substances during construction activities, Ninyo & Moore performed a limited evaluation of properties adjoining the site with regard to the potential presence of hazardous substances. A limited ASTM International (ASTM) 2005 standard was used to evaluate the site, which did not include interviews or user questionnaires. A database radii search of $\frac{1}{8}$ -mile was used to assess potential impacts to the project site. The site consists of the public right-of-way on South Raymond Avenue between Commonwealth Avenue and Kimberly Avenue and partial takes of several adjoining properties. The partial take properties include Assessor Parcel Numbers (APNs) listed in Table 1.

1.2. Approach

The emphasis of our evaluation included on-site and off-site properties which adjoin the site.

The properties were evaluated according to the degree of impact as follows:

- **Considered Free of Significant Hazardous Waste** – Property which uses or stores hazardous materials but with no significant violations, known releases, or evidence of inadequate chemical-handling practices. Example properties would be active underground storage tank (UST) or dry cleaning facilities with no documented releases or properties that are not adjacent to the site and remediation of previous releases had been completed.
- **Further Investigation is Required** – Property with potential or suspected impact within the area of the project. Examples of properties in this category would be leaking underground storage tank (LUST) properties in the vicinity of the site that are in final stages of remediation or in post-remediation monitoring. LUST properties adjacent to the site are considered to be in this category, regardless of case status (unless ranked higher), as deed restrictions may exist for closed LUST cases. A second example would be a property within or adjoining the site with known use or storage of hazardous materials which had received violation notices from an inspecting agency or where visual evidence of inadequate chemical and storage practices (such as significant staining) were observed but where no environmental assessments had occurred. Also included in this category are facilities within or adjoining the site where USTs are likely present, but that appeared to be abandoned by their former operators.
- **Contamination Indicated on Property** – Property with known or probable contamination within the area of the project. An example of a property in this category would be a LUST property where remediation had not been started or was not yet finished.

1.3. Limitations and Exceptions of Assessment

The scope of this evaluation did not include an evaluation of radon levels, lead, or asbestos. Properties adjoining the site were visually observed from public rights-of-way only. Observations were made from readily accessible vantage points. Although reasonable effort was made to view relevant site features, some features may have been concealed or otherwise not readily viewable. This assessment did not include a detailed evaluation of geologic and hydrogeologic conditions at the site.

2. SITE AND VICINITY DESCRIPTION

This section provides a general description of the land uses adjoining the site.

2.1. Overview

The site includes approximately ½-mile of existing roadway (South Raymond Avenue) between Commonwealth Avenue in the north to Kimberly Avenue on the south, Fullerton, California (Figure 1). The site also includes the BNSF railroad line, from approximately 350 feet west of Fullerton Creek on the west to approximately 1,200 feet east of South Acacia Avenue on the east.

A site reconnaissance was performed by Ninyo & Moore on October 19, 2010 to evaluate environmental conditions of the site and adjacent properties. Please refer to Figure 2A, 2B, and 2C for a detailed illustration of the site. Photographs of the site and adjoining properties are included in Appendix A.

The properties with potential environmental concern (PEC), discussed in the following sections, are those properties that were identified from environmental databases of regulated facilities, a review of historical sources, and our site reconnaissance. A more detailed discussion of the historical sources is included in Section 3. A more detailed description of the facilities listed on the environmental databases is included in Section 4.

2.2. Site and Vicinity Conditions

The site includes South Raymond Avenue and extends south from Commonwealth Avenue to Kimberly Avenue in the City of Fullerton. The site also includes a portion of East Valencia Drive on both sides of South Raymond Avenue and the BNSF railroad line, from approximately 350 feet west of Fullerton Creek on the west to approximately 1,200 feet east of South Acacia Avenue. The current configuration and adjacent developments of the site are described in three sections, from north to south and east to west, below.

2.2.1. Raymond Avenue – Commonwealth Avenue to Valencia Drive

In general, primarily commercial, industrial, office, and residential properties were observed both east and west of South Raymond Avenue between Commonwealth Avenue and East Valencia Drive. Residential properties are on both sides of South Raymond Avenue between Commonwealth and Walnut Avenues. Properties included a large sheet metal products manufacturer, tile and granite business, engineering offices, and warehouse space south of Walnut Avenue.

A large industrial building (former Chicago Musical Instruments [CMI]) on the northeast corner of South Raymond Avenue and East Valencia Drive (APN 033-221-10) was observed during the site reconnaissance. The property address is 350 South Raymond Avenue and is currently occupied by United Duralume Products (UDP). The property appeared to be partially vacant with the eastern portion of the property being occupied by American Fleet Services at the time of the site reconnaissance.

Several office and commercial buildings were observed along Truslow Avenue at APN 033-192-14, including Classic Marble Designs (371 South Raymond Avenue).

2.2.2. Raymond Avenue – Valencia Drive to Kimberly Avenue

In general, primarily small businesses and commercial properties were observed on both east and west sides of South Raymond Avenue between East Valencia Drive and Kimberly Avenue. Other properties included restaurants, food distributors, office, printing, flooring, and various automotive repair and auto-body businesses.

APN 033-230-33 at 500 South Raymond was observed on the southeast corner of South Raymond Avenue and East Valencia Drive. There are approximately seven tenants, primarily automotive repair or auto-body repair shops and a small restaurant.

APN 269-042-01 at 505 to 539 South Raymond Avenue and 1100 to 1194 East Valencia Avenue was observed on the southwest corner of South Raymond Avenue and East Valencia Drive. There are nine buildings with businesses including general office, commercial, and light industrial.

APN 033-230-06 at 522 to 528 South Raymond Avenue was observed to have a printing and blueprint (Lightning Print and Fullerton Blueprint) business operating in one of the units.

Businesses operating in APN 033-230-17 include U.S. Awnings (600 South Raymond Avenue) and LoneStar Termite and Pest Control (606 South Raymond Avenue).

APN 033-230-42 (Mesa Cold Storage) at 700 South Raymond Avenue was observed to have a rail spur on the south portion of the property.

2.2.3. BNSF Railroad Tracks and Valencia Drive

The BNSF railroad tracks were observed on the site, along the north side (and parallel to) East Valencia Drive, with an at-grade crossing at South Raymond Avenue and South Acacia Avenue. The BNSF railroad line consists of two sets of tracks set on ballast.

3. SITE AND VICINITY HISTORY

This section describes historical land use within the area of the Raymond Avenue Grade Separation Project.

3.1. Aerial Photographs

Aerial photographs taken in 1938, 1947, 1953, 1968, 1976, 1983, 1995, 2002, and 2009 were reviewed. Aerial photographs dated 1938 through 2002 were provided by Track Info Services, LLC. The 2009 aerial photograph was provided by Google Earth©. This review was conducted to evaluate previous land use adjoining the project site, which may suggest the past use of hazardous substances.

3.1.1. Raymond Avenue – Commonwealth Avenue to Valencia Drive

1938 and 1947– South Raymond Avenue appeared in its current orientation. Adjacent properties east and west of South Raymond Avenue appeared to be orchards and were sparsely developed with small structures.

1953 – The adjacent properties east and west of South Raymond Avenue, in the northern portion near Commonwealth Avenue appeared developed with residential properties. The southern portion was primarily orchards.

1968 – The adjacent properties east and west of South Raymond Avenue, in the northern portion near Commonwealth Avenue appeared developed with residential properties. The southern portion north of East Valencia Drive and east of South Raymond Avenue has been developed with the building (formerly occupied by CMI) at 350 South Raymond Avenue. The western portion north of East Valencia Drive and west of South Raymond Avenue has been developed with three large commercial buildings.

1976, 1983, 1995, 2002, and 2009 – The adjacent properties east and west of South Raymond Avenue appeared generally as they did in the 1968 aerial photograph and the site reconnaissance with eight large commercial buildings added west of South Raymond Avenue in 1976 (four buildings) and 1983 (four buildings).

3.1.2. Raymond Avenue – Valencia Drive to Kimberly Avenue

1938 and 1947– South Raymond Avenue appeared in its current orientation. Adjacent properties east and west of South Raymond Avenue appeared to be orchards and were sparsely developed with small structures.

1953 – The adjacent properties east and west of South Raymond Avenue appeared generally as they did in the 1947 aerial photograph with the exception of a large structure observed on what is currently APN 033-230-33 (500 South Raymond Avenue).

1968 – The adjacent properties east and west of South Raymond Avenue appeared to be commercial buildings. The portion of the site southeast of the intersection of South Raymond Avenue and East Valencia Drive appear generally as they did during the site reconnaissance. The large structure observed in the 1953 aerial photograph was replaced with a large commercial structure (currently occupied by auto repair shops). The portion of the site on the southwest corner of the intersection of South Raymond Avenue and East Valencia Drive appears as vacant land. On the southern portion east of South Ray-

mond Avenue appears one of the three existing buildings associated with APN 033-230-42 (700 South Raymond Avenue). West of South Raymond Avenue appears the existing buildings associated with APNs: 269-121-15 (617 South Raymond Avenue), 269-121-14 (601 South Raymond Avenue), 269-121-45 (551 South Raymond Avenue), and 269-121-44 (1189 East Ash Avenue).

1976 – The adjacent properties east and west of South Raymond Avenue appeared generally as they did in the 1968 aerial photograph with the exception of four of the nine existing structures associated with APN 269-042-01 (southwest of East Valencia Drive and South Raymond Avenue) are observed.

1983 – The adjacent properties east and west of South Raymond Avenue appeared generally as they did in the 1976 aerial photograph except additional buildings are observed on APN 269-042-01 and the three buildings associated with Mesa Cold Storage on APN 033-230-42 (700 South Raymond Avenue) are observed.

1994 and 2002 – The adjacent properties east and west of South Raymond Avenue appeared generally as they did in the 1983 aerial photograph and the site reconnaissance.

3.1.3. BNSF Railroad Tracks and Valencia Drive

1938 and 1947– East Valencia Drive appeared in its current orientation. The site vicinity appeared to be orchards and was sparsely developed with small structures. The BNSF railroad appeared on the site, parallel to East Valencia Drive, with at-grade crossing at South Raymond and South Acacia Avenues.

1953 – The adjacent properties north and south of the BNSF railroad line appeared generally as they did in the 1947 aerial photograph with the exception of a large structure observed on what is currently APN 033-230-33 (500 South Raymond Avenue).

1968 – The adjacent properties north and south of the BNSF railroad line appeared to be commercial buildings. A large industrial building is observed on the north and south sides of the BNSF railroad lines east of APNs 033-21-10 and 033-230-33. Additional

large buildings are observed northeast and southwest of the intersection of East Valencia Drive and South Acacia Avenue. Land east of South Acacia and south of East Valencia Drive appeared to be orchards.

1976 and 1983 – Additional industrial and commercial development appears north and south of the BNSF railroad line.

1995 and 2002 – The adjacent properties north and south of the BNSF railroad line appeared to be a mixture of industrial and commercial buildings. The structures appear to be as they were observed during the site reconnaissance with the exception of a large commercial building located east of APN 033-230-33.

2009 – The large industrial building located east of APN 033-230-33 has been replaced with the existing Valencia Business Center (1304-1488 East Valencia Drive).

In summary, due to the previous agricultural usage, as orchards, both sides of South Raymond Avenue were likely applied with commercial pesticides and herbicides. Grading of the site (for placement of the existing pavement) would likely have affected surficial soils; however, concentrations of these substances may still be present in on site soils. During our review, we found no historical evidence of landing strips, pesticide or herbicide mixing areas, stained soils, or areas of disposal. Therefore, we would not expect to find unusually high application concentrations of commonly applied agricultural chemicals on the site. Based on our experience, we consider this to be a de minimis condition and not an environmental concern at the site.

The long term usage of properties for industrial or automotive purposes on APNs 033-221-10 (350 South Raymond Avenue), 033-230-33 (500 South Raymond Avenue) and properties on the north and south sides of the BNSF railroad line east of South Raymond Avenue may represent PECs for the site.

3.2. Regional Geology

The project site is on the coastal plain of the Peninsular Ranges Geomorphic Province of southern California. This geomorphic province encompasses an area that extends approximately 125 miles from the Transverse Ranges and the Los Angeles Basin south to the Mexican border, and beyond another approximately 775 miles to the tip of Baja California. The Peninsular Ranges province varies in width from approximately 30 to 100 miles and is characterized by northwest-trending mountain range blocks separated by similarly northwest-trending faults (Norris and Webb, 1990).

3.3. Regional Hydrogeology

The project site is within the northern section of the Orange County Water District (OCWD) groundwater basin. From the 1950s through the 1980s, volatile organic compounds (VOCs) were used in this area for industrial manufacturing purposes. VOCs were released and impacted the shallow aquifer, generally less than 200 feet deep. According to a map provided by the OCWD, VOC impact in the area of the site was measured above the maximum contamination level (MCL) to greater than 10 times the MCL (www.ocwd.com). The project site lies within the boundaries of the regional VOC impacted groundwater plume identified by the OCWD as the North Basin Groundwater Protection Project (NBGP Project).

Ninyo & Moore reviewed groundwater information for adjacent LUST facilities on the State Water Resources Control Board (SWRCB) GeoTracker database (www.geotracker.swrcb.ca.gov). According to a work plan for an investigation for APN 033-221-10 at 350 South Raymond Avenue, groundwater is expected to occur between 80 and 120 feet below ground surface (bgs) (AMEC, 2010). A portion of this work plan is presented in Appendix D. The work plan indicates that groundwater flow direction beneath the site is to the west.

Construction activities for the Raymond Avenue Grade Separation Project are expected to include excavation to reach approximately 45 feet bgs. Based on the review of the GeoTracker website, there are no indications of perched groundwater and groundwater is not expected to be encountered during construction activities.

3.4. Topographic Maps

The United States Geological Survey (USGS) Anaheim, California Quadrangle Map (topographic), dated 1965 and photorevised 1981 was reviewed. The site is situated at an elevation of approximately 165 to 170 feet above mean sea level along South Raymond Avenue, and approximately 165 to 190 feet above mean seal level along the BNSF railroad tracks. The site and immediate vicinity are relatively flat, with regional topography sloping to the southwest. The following is a summary of our review.

Raymond Avenue – Commonwealth Avenue to Valencia Drive – a large structure (at 350 South Raymond Avenue) is noted on the east side and several smaller structures are noted on the west side of the southern portion of South Raymond Avenue. The map indicates the Atchison Topeka and Santa Fe (ATSF) railroad line is on the site, parallel to and north of East Valencia Drive, crossing Raymond and South Acacia Avenues. This portion of the site is situated at an elevation of approximately 168 feet above mean sea level (msl).

Raymond Avenue – Valencia Drive to Kimberly Avenue – Several structures are noted on the east and west sides of South Raymond Avenue.

BNSF Railroad Tracks and Valencia Drive – The map indicates the ATSF railroad line is on the site, parallel to and north of East Valencia Drive. Several large structures are noted east and west of the railroad tracks from South Raymond Avenue to South Acacia Avenue. East of Acacia, north of the railroad are several large structures, and south of the railroad is depicted as orchards.

3.5. Oil and Gas Maps

The State of California Department of Conservation Division of Oil, Gas, and Geothermal Resources (DOGGR) Wildcat Map W1-5 was reviewed to determine the existence of past or present oil wells along the site. According to map W1-5, there are no active or abandoned oil or natural gas wells on the site. The site does not lie within the administrative boundaries of an oil field.

3.6. Other Documents

Ninyo & Moore was not provided with additional documents relevant to this site assessment.

4. REGULATORY RECORDS REVIEW

The following sections include the results and a discussion of the computerized environmental information database searches of state and federal standard environmental records sources.

4.1. Environmental Database Searches

An environmental information database search was performed for Ninyo & Moore by Environmental FirstSearch on October 1, 2010 (South Raymond Avenue) and on October 11, 2010 (BNSF Railroad Tracks). (Please refer to the Environmental FirstSearch report in Appendix B for a summary of the environmental databases searched, their search radii, and the search results.) Facilities located within $\frac{1}{8}$ -mile of the project site were identified. These facilities were either: up-gradient, down-gradient, or cross-gradient from the site with respect to groundwater flow to the west. Please refer to the Environmental FirstSearch figures included in Appendix B show approximate locations for properties listed by Environmental FirstSearch as having a potential environmental impact on the site.

National Priorities List (NPL)

This list identifies hazardous material sites slated for cleanup under the federally sponsored Superfund program. These sites receive remedial funding under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

No properties within a $\frac{1}{8}$ -mile radius of the project site were listed on this database and are not an environmental concern to the project site.

Resource Conservation and Recovery Act (RCRA) – Treatment, Storage, and Disposal (TSD) Facilities List

The RCRA TSD database includes facilities which have obtained a United States Environmental Protection Agency (EPA) identification number for the purpose of generating, treating, storing, or disposing of hazardous wastes.

No properties within a $\frac{1}{8}$ -mile radius of the project site were listed on this database. TSDs are not considered an environmental concern to the project site.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)

This list is a federally maintained database and contains data on potentially hazardous waste sites that have been reported to the EPA by states, municipalities, private companies, and private persons. CERCLIS contains sites, which are either proposed to or on the NPL, and sites which are in the screening and assessment phase for possible inclusion on this database.

No properties within a $\frac{1}{8}$ -mile radius of the project site were listed on this database and are not an environmental concern to the project site.

State Sites (SMBRPD/CAL Sites)

The California Department of Toxic Substances Control (DTSC) has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems. The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), also known as CalSites, is used primarily by DTSC staff as an informational tool to evaluate and track activities at properties that may have been affected by the release of hazardous substances.

One on-site property (APN 033-221-10) was listed on this database. Chicago Musical Instruments (former) located at 350 South Raymond Avenue (currently occupied by UDP) was listed on this database. The status is listed as an active state response facility as of February

16, 2010. Impact is listed as VOCs primarily tetrachloroethylene (PCE), 1,1-dichloroethane, and trichloroethylene (TCE). A review of the DTSC's EnviroStor website (<http://www.envirostor.dtsc.ca.gov>) indicates that the site is currently undergoing additional assessment. Previous soil gas surveys completed at the property reported VOCs in soil gas throughout the site with higher concentrations reported along the southeast corner of the former manufacturing building. Based on this information, VOC impact has been identified on this property. The areas impacted with VOCs appear to be located along the southeastern portion of the property away from the proposed construction activities. Therefore, this property would be considered a PEC to the project site.

No other properties within a $\frac{1}{8}$ -mile radius of the project site were listed on this database

Leaking Underground Storage Tank Lists

These lists are maintained by the SWRCB, Regional Water Quality Control Boards (RWQCB), and county environmental health departments.

Thirteen properties within a $\frac{1}{8}$ -mile radius of the project site are listed on this database and discussed below.

1. Atlas Copco Rental Inc.,
1212 Ash Street
Fullerton, California

Location: East of South Raymond Avenue, approximately 280 feet east and up-gradient of the project site.

Media Affected: Soil

Case Status: Completed Cased Closed September 20, 2004.

Based on the media affected, the case status, and the distance to the project site, this facility would not be considered an environmental concern.

2. Classic Marble
371 Raymond Avenue (APN 033-192-14)
Fullerton, California

Location: West of Raymond Avenue, within the project site.

Media Affected: Soil

Raymond Avenue Grade Separation
Fullerton, California

December 17, 2010
Project No. 208109001

Case Status: Completed Case Closed May 5, 2005.

The extent or limits of the impact was not included in the LUST database. However, a review of records available at the RWQCB (further discussed in Section 4.2) reported that the Fullerton Fire Department (FFD) granted closure to the site after impacted soil was excavated and removed from the site. Based on this information this facility is not considered an environmental concern.

3. Superior Wholesale
1141 Ash
Fullerton, California

Location: West of South Raymond Avenue, approximately 450 feet west and down-gradient of the project site.

Media Affected: Unknown

Case Status: Completed Case Closed November 12, 1987.

Based on the case status, distance, and/or groundwater flow direction, this facility would not be considered an environmental concern to the project site.

4. Unocal 4851
1133 E Commonwealth Avenue
Fullerton, California

Location: Intersection of East Commonwealth Avenue and South Raymond Avenue, approximately 100 feet northwest and down-gradient from the project site.

Media Affected: Unknown

Case Status: Case Closed June 22, 2010.

Based on the status of the case and the location from the project site (cross-gradient) this facility would not be considered an environmental concern to the project site.

5. Tosco/76 Station 4851
1133 Commonwealth Avenue
Fullerton, California

Location: Intersection of East Commonwealth Avenue and South Raymond Avenue, approximately 100 feet and cross-gradient from the project site.

Media Affected: Soil

Case Status: Completed Case Closed April 24, 2004.

Based on the status of the case and the location from the project site (cross-gradient) this facility would not be considered an environmental concern to the project site.

6. Unocal/76 Service No. 4851
1133 Commonwealth Avenue
Fullerton, California

Raymond Avenue Grade Separation
Fullerton, California

December 17, 2010
Project No. 208109001

Location: Intersection of East Commonwealth Avenue and South Raymond Avenue, approximately 100 feet and cross-gradient from the project site.

Media Affected: Unknown

Case Status: Open – Case Reopened.

Based on the location from the project site (cross-gradient) this facility would not be considered an environmental concern to the project site.

7. Mobil 18-JP5
100 Raymond Avenue
Fullerton, California

Location: Intersection of East Commonwealth Avenue and South Raymond Avenue, approximately 100 feet and up-gradient of the project site.

Media Affected: Aquifer used for drinking water supply.

Case Status: Completed Case Closed December 31, 2001.

A review of records available at the RWQCB (further discussed in Section 4.2) indicate that this facility was issued a no further action (NFA) on December 31, 2001 as it related to the impact resulting from historical LUSTs. Based on this information this facility is not considered an environmental concern. However groundwater beneath this facility is likely impacted with VOCs as it is within the boundaries of the OCWD's NBGP Project.

8. Mobil Oil
100 Raymond Avenue
Fullerton, California

Location: Intersection of East Commonwealth Avenue and South Raymond Avenue, approximately 100 feet and up-gradient of the project site.

Media Affected: Soil

Case Status: Completed Case Closed November 19, 1988.

A review of records available at the RWQCB (further discussed in Section 4.2) did not reveal any information pertaining to the November 19, 1988 closure reported on this database. However, records on file suggest that the closure referred to in this database was likely associated with several UST's removed in 1987. Subsequent investigations and associated remediation of impacted soils at the property resulted in the RWQCB granting a NFA for this facility as it relates to impact resulting from the LUSTs. Based on the current status of this facility, this property would not be considered an environmental concern. However, groundwater beneath this facility is likely impacted with VOCs as it is within the boundaries of the OCWD's NBGP Project.

9. S and H Rubber Inc.
1133/1137 East Elm Avenue
Fullerton, California

Raymond Avenue Grade Separation
Fullerton, California

December 17, 2010
Project No. 208109001

Location: West of South Raymond Avenue, approximately 450 west and down-gradient of the project site.

Media Affected: Soil

Case Status: Completed Case Closed October 30, 1991.

Based on the case status, media affected, distance and/or groundwater flow direction, this facility would not be considered an environmental concern to the project site.

10. American Electronics Inc.

1600 Valencia Drive
Fullerton, California

Location: South of the BNSF railroad tracks, approximately 150 south and up-gradient of the project site.

Media Affected: Soil

Case Status: Completed Case Closed January 20, 1995.

This facility is also listed on the Spills, Leaks, Investigations and Cleanup (SLIC) database. The status of the SLIC database is listed as “post investigation-remedial monitoring”. Based on the limited nature of the planned work in this area this facility would not be considered an environmental concern to the project site.

11. Nutri Foods

360 Acacia Avenue
Fullerton, California

Location: Northeast intersection of South Acacia and East Valencia Drive, approximately 50 feet north and up-gradient of the project site.

Media Affected: Soil

Case Status: Completed Case Closed July 13, 1987.

Based on the case status and media affected, this facility would not be considered an environmental concern to the project site.

12. All Roads Moving and Storage

1400 Walnut Avenue
Fullerton, California

Location: East of South Raymond Avenue and immediately north of the BNSF railroad tracks, approximately 400 feet east and up-gradient of the project site.

Media Affected: Soil

Case Status: Completed Case Closed October 1, 1991.

Based on the case status and media affected, this facility would not be considered an environmental concern to the project site.

Raymond Avenue Grade Separation
Fullerton, California

December 17, 2010
Project No. 208109001

13. Allergan

1410 Walnut Avenue
Fullerton, California

Location: East of South Raymond Avenue and immediately north of the BNSF railroad tracks, approximately 650 feet east and up-gradient of the project site.

Media Affected: Soil

Case Status: Completed Case Closed February 14, 1990.

Based on the case status and media affected, this facility would not be considered an environmental concern to the project site.

State Landfills and/or Solid Waste Disposal Sites

As legislated under the Solid Waste Management and Resource Recovery Act of 1972, the California Integrated Waste Management Board (CIWMB) maintains lists of active solid waste disposal sites, inactive or closed solid waste disposal sites, and transfer facilities.

One property within a $\frac{1}{8}$ -mile radius of the project site was listed on this database. This facility is listed as Williams Tire Company at 1164 East Elm Avenue approximately 250 feet west and down-gradient of the project site. The facility is listed as a waste tire location with a closed status. Based on the status and direction of this facility, it would not be considered an environmental concern to the project site.

No other properties within a $\frac{1}{8}$ -mile radius of the project site were listed on this database.

Underground Storage Tank Registration List

This list identifies properties which have historically contained or currently contain registered USTs. Listings are related to permitting records and are not necessarily indicative of a release.

Six properties within a $\frac{1}{8}$ -mile radius of the project site are listed on this database and discussed below.

1. Atlas Copco Rental Inc
1212 Ash Street
Fullerton, California

Raymond Avenue Grade Separation
Fullerton, California

December 17, 2010
Project No. 208109001

Location: East of South Raymond Avenue, approximately 280 feet east and up-gradient of the project site.

Status: Active

This facility is listed on the LUST database. The status of the LUST case is listed as completed case closed September 20, 2004. Based on this information this facility would not be considered an environmental concern to the project site.

2. Unocal 4851
1133 Commonwealth Avenue
Fullerton, California

Location: Intersection of East Commonwealth Avenue and South Raymond Avenue, approximately 100 feet northwest and cross-gradient from the project site.

Status: Unknown

This facility address is listed three times on the LUST database. Two of the LUST cases are reported as closed, and one is listed as reopened. Based on the status of the two cases and the location from the project site (cross-gradient) this facility would not be considered an environmental concern to the project site.

3. Fullerton Unocal 4851
1133 Commonwealth Avenue
Fullerton, California

Location: Intersection of East Commonwealth Avenue and South Raymond Avenue, approximately 100 feet northwest and crossgradient from the project site.

Status: Active

This facility address is listed three times on the LUST database. Two of the LUST cases are reported as closed, and one is listed as reopened. Based on the status of the two cases and the location from the project site (cross-gradient) this facility would not be considered an environmental concern to the project site.

4. Mobil Station (18-JP5)
100 Raymond Avenue
Fullerton, California

Location: Intersection of East Commonwealth Avenue and South Raymond Avenue, approximately 100 feet northeast and upgradient of the project site.

Status: Active

This facility is listed on the LUST database. The status of the LUST case is listed as completed, case closed December 31, 2001. Based on information obtained from files reviewed at the RWQCB (further discussed in Section 4.2) this facility would not be considered an environmental concern to the project site.

5. American Electronics Inc.
1600 Valencia Drive
Fullerton, California

Location: South of the BNSF railroad tracks, approximately 150 south and upgradient of the project site.

Status: Active

This facility is listed on both the LUST and SLIC databases. The status of the LUST case is listed as completed, case closed January 20, 1995. The status of the SLIC database is listed as “post investigation-remedial monitoring”. Based on the limited nature of the planned work in this area this facility would not be considered an environmental concern to the project site.

6. Khyber Foods Inc.
500 South Acacia Avenue
Fullerton, California

Location: Southeast intersection of East Valencia Drive and South Acacia Avenue, approximately 100 feet south and upgradient from the project site.

Status: Active

This facility is not listed on the LUST or SLIC databases, therefore this facility would not be considered an environmental concern to the project site.

Resource Conservation and Recovery Act (RCRA) Generators List

The Environmental Protection Agency’s (EPA’s) RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators List is a compilation by the EPA of facilities which generate hazardous waste.

Thirty-five properties within a $\frac{1}{8}$ -mile radius of the project site are listed on this database and discussed below.

Properties which are included as partial takes for the project are listed first with their respective APNs.

1. Atlas Copco Inc.
1212 East Ash Avenue

Location: East of South Raymond Avenue, approximately 280 feet east and up-gradient of the project site.

Status: Small quantity generator

Violations: None reported.

2. Western Roto Engravers
1224 E Ash Street

Location: East of South Raymond Avenue, approximately 500 feet east and up-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

3. Kryler Corporation
1217 East Ash

Location: East of South Raymond Avenue, approximately 300 feet east and up-gradient of the project site.

Status: Large quantity generator

Violations: None reported.

4. Rattlesnake Motorsports
1100 E Ash Avenue Suite C

Location: West of South Raymond Avenue, approximately 300 feet south and down-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

5. Strictly Foreign
1120 East Ash Street

Located: West of South Raymond Avenue, approximately 250 feet south and down-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

6. Reliance Plating and Coating
1151 East Ash Avenue

Location: West of South Raymond Avenue, approximately 100 feet south and down-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

7. Honda Car Specialty (APN 033-230-33)
500 South Raymond Avenue

Raymond Avenue Grade Separation
Fullerton, California

December 17, 2010
Project No. 208109001

Location: South of East Valencia Drive, within the project site.

Status: Small quantity generator.

Violations: None reported.

8. Terry's Automotive Inc. (APN 033-230-33)
500 South Raymond Avenue

Location: South of East Valencia Drive, within the project site.

Status: Small quantity generator.

Violations: None reported.

9. Wheels Auto Body and Paint Shop (APN 033-230-33)
500 South Raymond Avenue

Location: South of East Valencia Drive, within the project site.

Status: Small quantity generator.

Violations: None reported.

10. Semaan Printing Company Inc. (APN 269-042-01)
535 South Raymond Avenue

Location: West of South Raymond Avenue, within the project site.

Status: Small quantity generator.

Violations: None reported.

11. Spacer Connection Inc.
711 Raymond Avenue Suite A

Location: West and adjacent to South Raymond Avenue, approximately 60 feet west and down-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

12. Community Care Care
100 North Raymond Avenue

Location: North of Commonwealth Avenue, approximately 100 feet northeast and up-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

13. M and M Cleaners
104 North Raymond Avenue Suite A3

Raymond Avenue Grade Separation
Fullerton, California

December 17, 2010
Project No. 208109001

Location: North of Commonwealth Avenue, approximately 300 feet northeast and up-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

14. Monogram Systems
1300 Valencia Drive

Location: South of the BNSF railroad tracks, within the project site.

Status: Small quantity generator.

Violations: This facility has one violation (Violation No. 262.10-12, dated February 11, 1993, the details of the violation were not reported in this database however the citation is noted as resolved as of February 11, 1998.

This facility is listed on the SLIC database under Weber Aircraft Facility (former). The case was listed as a “cleanup program site” with a case status of completed, case closed as of December 2, 2003. Based on the status of the violations and information obtained from the RWQCB (further discussed in Section 4.2) this facility would not be considered an environmental concern to the project site.

15. Glenair Fullerton
2300 East Valencia Drive

Location: South of the BNSF railroad tracks, approximately 1,000 feet southeast of the BNSF railroad tracks and up-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

16. American Electronics, Inc.
1600 East Valencia Drive

Location: South of the BNSF tracks, approximately 150 feet south of the BNSF railroad tracks and up-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

17. Creative Signs (APN 269-042-01)
1158 East Valencia Drive

Location: West of South Raymond Avenue, within the project site.

Status: Small quantity generator.

Violations: None reported.

18. C and C Machine (APN 033-192-14)
1101 East Truslow Avenue

Location: West of South Raymond Avenue, within the project site.

Status: Small quantity generator.

Violations: None reported.

19. Donahue Maintenance Inc.
1167 East Elm Avenue

Location: West of South Raymond Avenue, approximately 250 feet west and down-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

20. Fullerton Custom Works
1163 East Elm Avenue

Location: West of South Raymond Avenue, approximately 150 west and down-gradient of the project site.

Status: Large quantity generator.

Violations: None reported.

21. S and H Rubber Inc.
1141 East Elm Avenue

Location: West of South Raymond Avenue, approximately 450 west and down-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

22. Gill Kanel Corporation
1142 East Elm Street

Location: West of South Raymond Avenue, approximately 400 west and down-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

23. Britalia Import Auto Service
1121 East Elm Avenue

Location: West of South Raymond Avenue, approximately 600 west and down-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

24. Picnic Sandwiches

1121 East Elm Avenue

Location: West of South Raymond Avenue, approximately 600 west and down-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

25. Macdermid Inc.

1404 East Walnut Unit B

Location: East of South Raymond Avenue, approximately 500 feet east and up-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

26. Canning Gumm Inc., Western Division

1404 East Walnut Avenue Suite B

Location: East of South Raymond Avenue, approximately 500 feet east and up-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

27. West Coast Classic

1002 East Walnut Avenue

Location: West of Fullerton Creek, approximately 100 feet west and down-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

28. California Almond Growers

325 South Hale Avenue

Location: North of the BNSF railroad tracks, approximately 50 feet north of and up-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

29. Rickitt Benckiser Inc.

701 South Sally Place, Unit A

Location: East of South Raymond Avenue, approximately 100 feet east and up-gradient of the project site.

Status: Large quantity generator.

Violations: None reported.

30. Carolina Logistics Services

701 South Sally Place

Location: East of South Raymond Avenue, approximately 100 feet east and up-gradient of the project site.

Status: Large quantity generator.

Violations: None reported.

31. S C Precision Molds Inc.

419 South Acacia Avenue

Location: North of the BNSF railroad tracks, approximately 100 feet north and up-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

32. Whitnon GMN

369 South Acacia

Location: North of the BNSF railroad tracks, approximately 100 feet north and up-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

33. Omni Optical

360 South Acacia Avenue

Location: North of the BNSF railroad tracks, approximately 100 feet north and up-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

34. Fullerton Unocal

1133 East Commonwealth Avenue

Raymond Avenue Grade Separation
Fullerton, California

December 17, 2010
Project No. 208109001

Location: Northwest intersection of Commonwealth Avenue and South Raymond Avenue, approximately 100 feet northwest and down-gradient of the project site.

Status: Small quantity generator.

Violations: None reported.

RCRA listings above have no violations reported with the exception of Monogram Systems at 1300 Valencia Drive. Based on the status of the violations and information obtained from files reviewed at the RWQCB for 1300 Valencia Drive, these facilities would not be considered an environmental concern to the project site.

Emergency Response Notification System

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the United States Coast Guard, the National Response Center, and the Department of Transportation.

Three facilities were listed within the $\frac{1}{8}$ -mile search radius of the project site and discussed below:

1. CAT Truck Line
1522 East Walnut

Status: Unknown

Incident: The incident is described as seven abandoned drums. Cleanup of the incident was arranged by the Fullerton Fire Department.

This facility is not within the project limits and is not expected to be an environmental concern.

2. Arrow Precision (C. Cosek).
Details related to this incident were not available.

3. Unknown
1122 East Elm

Status: Unknown.

Incident: The incident is described as dumping. The incident was cleaned up by the Fullerton Fire Department.

This facility is not within the project limits and is not expected to be an environmental concern.

Spills, Leaks, Investigations, and Cleanup (SLIC) Database

The RWQCB maintains reports of facilities that have records of spills, leaks, investigations, and cleanups. Three facilities (each listed twice) were listed within the $\frac{1}{8}$ -mile search radius of the project site and discussed below.

1. American Electronics Inc.
1600 East Valencia Drive
Fullerton, California

Location: South of the BNSF railroad tracks, approximately 150 feet south and cross/up-gradient of the project site.

Case Type: Soil and groundwater.

Status: Post investigation, remedial monitoring.

Soil impact was found in the southwest corner of the facility. The RWQCB requested two more down-gradient wells be installed off-site. Based on the limited nature of the planned work in this area this facility would not be considered an environmental concern to the project site.

2. American Electronics Inc.
1600 East Valencia Drive
Fullerton, California

Location: South of the BNSF railroad tracks, approximately 150 feet south and cross/up-gradient of the project site.

Case Type: Cleanup program site.

Status: Completed, case closed October 30, 2003.

Shallow groundwater impact was treated in 1997 with a vapor and water extraction treatment system followed by two years of groundwater monitoring. Based on the limited nature of the planned work in this area this facility would not be considered an environmental concern to the project site.

3. Weber Aircraft Facility (former)
1300 East Valencia Drive
Fullerton, California

Location: South of the BNSF railroad tracks, approximately 100 feet south and cross/up-gradient of the project site.

Case Type: Cleanup program site.

Status: Completed, cased closed December 2, 2003.

The extent or limits of the impact were not available in the SLICs database. Additionally, a second listing for this facility appears on the SLICs database with a status of “additional characterization”. Ninyo & Moore reviewed records available at the RWQCB pertaining to this facility (further discussed in Section 4.2). Based on information obtained from the files at the RWQCB and the current case status (NFA as of December 2, 2003) this facility would not be considered an environmental concern to the project site.

4. Weber Aircraft Facility (former)
1300 East Valencia Drive
Fullerton, California

Location: South of the BNSF railroad tracks, approximately 100 feet south and cross/up-gradient of the project site.

Case Type: Soil and groundwater.

Status: Additional Characterization.

This facility is listed in the SLIC database as undergoing additional characterization for PCE impact. Based on information obtained from the files at the RWQCB and the current case status (NFA as of December 2, 2003) this facility would not be considered an environmental concern to the project site.

5. Weyerhaeuser Company
1300 East Valencia Drive
Fullerton, California

Location: South of the BNSF railroad tracks, approximately 100 feet south and cross/up-gradient of the project site.

Case Type: Soil and groundwater.

Status: Closed.

This facility has undergone several site investigations for PCE and TCE. Additional information as to the extent and limits of the impact were not available in the Spills database. Additionally, the facility address is listed several times in the SLIC database. One listing (Weber Aircraft Facility) reports the status as “additional characterization”. However, based on information obtained from the files at the RWQCB and the current case status (NFA as of December 2, 2003) this facility would not be considered an environmental concern to the project site.

6. Weyerhaeuser Company
1300 East Valencia Drive
Fullerton, California

Location: South of the BNSF railroad tracks, approximately 100 feet south and cross/up-gradient of the project site.

Case Type: Cleanup program site.

Status: Completed case closed December 2, 2003.

A separate listing for this address (Weber Aircraft Facility) appears on the Spills database with a status of “additional characterization”. However, based on information obtained from the files at the RWQCB and the current case status (NFA as of December 2, 2003) this facility would not be considered an environmental concern to the project site.

4.2. Regulatory Agency Information

Ninyo & Moore requested regulatory agency files from the Orange County Health Care Agency (OCHCA), the Department of Toxic Substances Control (DTSC), and the RWQCB for information on the following:

Department of Toxic Substances Control

The DTSC indicated that files were available for 1300 East Valencia Drive. Based on the information obtained from files reviewed at the RWQCB (discussed below) for this facility it was determined that this facility was not an environmental concern to the project site.

Santa Ana Regional Water Quality Control Board

The RWQCB indicated they had records available for 371 South Raymond Avenue, 100 North Raymond Avenue, and 1300 East Valencia Drive. A summary of the records reviewed follow:

Records for 371 South Raymond Avenue included correspondence between the FFD, the property owner, and its consultant. The FFD issued a NFA for the property based on the removal of approximately 57 tons of impacted soil. Based on this information this property would not be considered an environmental concern to the project site.

Records for 100 North Raymond Avenue included several subsurface investigation reports dated June 1994 through October 2000, a request for closure dated February 9, 2001, and agency correspondence dated May 29, 1997 and December 31, 2001. According to the records reviewed operations at the former gasoline station at 100 North Raymond Avenue resulted in soil and groundwater impact associated with 4 USTs removed in 1987. Remediation

tion at the site included excavation and soil vapor extraction. On December 31, 2001 the RWQCB issued a NFA for the facility as it relates to impact resulting from the LUSTs. This facility is within the boundaries of a regional VOC groundwater impact plume under investigation by the OCWD.

Records for 1300 East Valencia Drive included several subsurface and groundwater monitoring reports dated March 1992 through December 2003 including three NFAs issued by the RWQCB on November 15, 1995, October 7, 1997, and December 2, 2003. According to the records reviewed former operations at the property have resulted in soil impact (chlorinated solvents) and contributed to the regional groundwater VOC impact in the area. The soil impact appears to be limited to the southwestern portion of the site near the former chemical storage area. The RWQCB issued a NFA on November 15, 1995 (re-certified on October 7, 1997) and a second NFA on December 2, 2003 for soil impact limited to the southwest portion of the property. According to correspondence from the RWQCB; former operations at the site likely contributed to the regional groundwater impact but are not the sole source. This facility lies within the boundaries of the OCWD's NBGP Project. Additional sources of groundwater impact in the vicinity of the project site are still under investigation by the OCWD. Based on this information and the location of possible low levels of residual VOCs (southwest corner of the property) this facility would not be considered an environmental concern.

Orange County Health Care Agency (OCHCA)

The OCHCA indicated that files were available for 500 South Raymond Avenue. The files available were for four automotive related business located at 500 South Raymond Avenue. The records were reviewed for the following businesses:

1. Betos Auto Body & Paint, Inc.

Records on file included routine annual inspection reports by the OCHCA for hazardous waste generators between August 2004 through July 2009. Violations were not noted during the inspections. The hazardous waste stream was identified as waste paint and filters both of

which were stored in properly labeled 55-gallon drums and disposed of at an off-site recycling facility.

2. 5 Star Auto Care

Records on file included a routine annual inspection by the OCHCA for hazardous waste generators dated December 9, 2009. Violations were not noted during the inspection. The hazardous waste stream was identified as used motor oil, used filters, and ethylene glycol which were stored in properly labeled 55-gallon drums and disposed of at an off-site recycling facility.

3. Topline Auto Collision LLC.

Records on file included a routine annual inspection by the OCHCA for hazardous waste generators dated April 5, 2010. Violations were not noted during the inspection. The hazardous waste stream was identified waste paint materials. Information on storage and disposal was not available but likely similar to neighboring automotive businesses.

4. Genesis Auto Body

Records on file included an inspection by the OCHCA and the FFD resulting from an anonymous complaint claiming that the tenant (Genesis Auto Body [Genesis]) was spray painting vehicles outside of their shop. This tenant (Genesis) had recently moved into the space (within 2 weeks) and was working toward getting all the required permits to operate this business. The inspection report states that Genesis did not have a spray paint booth at the time of the inspection but that arrangements had been made with neighboring business to use their spray paint booth until Genesis acquired their own. No other information was available in the file.

Based on the information obtained from these records, the routine inspection of these businesses by the OCHCA, and the lack or type of violations reported, the businesses at 500 South Raymond Avenue would not be considered an environmental concern to the project site.

5. SITE RECONNAISSANCE

On October 18, 2010, a site reconnaissance was conducted by Mr. Javier Perez of Ninyo & Moore. The reconnaissance involved a tour of South Raymond Avenue and East Valencia Drive, and visual observations of the roadway, railroad tracks, and adjoining properties. Properties adjoining South Raymond Avenue and East Valencia Drive were observed from public right-of-ways only. Individual property observations and interviews were not conducted.

5.1. Polychlorinated Biphenyls (PCBs)

Pole-mounted transformers were observed along the east and west sides of South Raymond Avenue at the intersection of South Raymond Avenue and East Valencia Drive. These transformers are owned by Southern California Edison (SCE), and it is unlikely that these transformers contain PCBs. SCE transformers exclusively use mineral oil as the insulating/cooling fluid in their transformers.

No staining or other evidence of leaks from the transformers was observed during the site reconnaissance and the transformers would not be an environmental concern for the project site.

5.2. Hazardous Substances

Hazardous substances were not observed within the project site, nor were they observed from public right-of-ways on adjoining properties during the site reconnaissance.

Although not directly observed, we assume the use of solvents and automotive chemicals at several of the businesses located at APN 033-230-33 (500 South Raymond Avenue).

Physical evidence of storage or mishandling of hazardous substances was not observed and would not be an environmental concern for the project site.

5.3. Solid Waste Disposal

Solid waste disposal dumpsters were noted at adjoining properties along South Raymond Avenue, East Valencia Drive, East Ash Avenue, East Walnut Avenue, and South Acacia Avenue.

Evidence of disposal of hazardous materials, petroleum products or evidence of illegal dumping was not observed. Solid waste disposal would not be an environmental concern for the project site.

5.4. Additional Observations

Additional observations with regard to the presence of hazardous materials were not noted.

6. SUMMARY OF FINDINGS

Below is a general discussion of the findings of the database review and the site reconnaissance. A parcel specific analysis is also provided.

Site Historic Use and Conditions

Due to the previous agricultural usage, as orchards, both sides of South Raymond Avenue and East Valencia Drive were likely applied with commercial pesticides and/or herbicides. Concentrations of these substances may still be present; however grading would likely have affected surficial soils. Based on our experience, we consider this to be a de minimis condition and not an environmental concern for the project site. Aerially deposited lead (ADL) may be present in the soil as a result of historical vehicle emissions during the era of leaded gasoline. An ADL survey should be conducted in areas of exposed soil which will be disturbed during construction within 10 feet of South Raymond Avenue and Valencia Drive.

There were no active or abandoned oil or natural gas wells in the vicinity of the site. Therefore this would not be an environmental concern for the project site.

During the site reconnaissance there were no observed leaks of PCBs, hazardous waste storage, or improper waste storage. These items would not be considered an environmental concern to the project site.

Environmental Database Review

There were no NPL, RCRA TSD facilities, or CERCLIS properties listed within the search radii from the site. Therefore, this would not be an environmental concern for the project site.

There is one State Site located within the boundaries of the project site. This facility (former CMI) located at 350 South Raymond Avenue (APN 033-221-10) is listed as an active state response facility as of February 16, 2010. Impact is listed as VOCs primarily PCE, 1,1-dichloroethane, and TCE. A review of the DTSC's EnviroStor website (<http://www.envirostor.dtsc.ca.gov>) indicates that this facility is currently undergoing additional assessment. Previous soil gas surveys completed at the property reported VOCs in soil gas throughout the site with higher concentrations reported along the southeast corner of the former manufacturing building. Based on this information, impact is indicated on the property. The areas impacted with VOCs appear to be located along the southeastern portion of the property away from the proposed construction activities. Therefore, this property would be considered a PEC concern to the project site.

There are 13 LUST properties within the search radii from the site. One on-site property is listed on this database. Based on information obtained from files reviewed at the RWQCB, the case status and/or the distance to the site, these facilities would not be considered an environmental concern to the project site.

There is one state landfill or solid waste disposal facility. However, because it is located down-gradient from the site it is not considered an environmental concern to the project site.

There are six off-site properties within the search radii from the project site with registered USTs. UST listings are not necessarily indicative of a release. Five of these facilities were

listed on the LUST database. Based on the current status of the LUST incidents, information obtained from the RWQCB, and/or the distance from the site, these facilities would not be considered an environmental concern to the project site.

There are 29 properties listed as RCRA Generators. The properties do not have reported violations and would therefore not be considered an environmental concern to the project site, with the possible exception of one property (1300 East Valencia Drive) which was also listed on the SLIC database. Based on information obtained from the files reviewed at the RWQCB (further discussed in Section 4.2) including the current case status, this property would not be considered an environmental concern to the project site.

Three off-site properties are listed on the SLIC database (each listed twice). Based on information obtained from the RWQCB (further discussed in Section 4.2) these properties would not be considered environmental concerns to the project site.

Properties Within the Project Site

The grade separation of South Raymond Avenue at the BNSF railroad involves partial or full taking of several properties adjacent to South Raymond Avenue (Table 1 and Figures 2A through 2C). Properties involving partial or full take are identified below.

APNs 033-192-02 through 033-192-04, APN 033-192-16, APNs 033-193-21 through 033-193-23, APNs 033-193-31 include residential properties along East Walnut Avenue. APN 033-193-31 is a residential property on East Santa Fe Avenue. APNs 033-293-11, 033-293-14, 033-293-16, and 033-293-18 include residential properties along South Raymond Avenue. PECs identified include ADL, and lead based paint and asbestos containing material where structures are planned for demolition.

APN 033-192-14 is west of South Raymond Avenue. Businesses located in this parcel include Classic Marble Designs (371 South Raymond Avenue), WD&J Machine and Engineering (1111 East Truslow Avenue), and the Fullerton Unified School District Warehouse (1100 East Truslow Avenue). Classic Marble Designs was listed on the LUST

database. However, based on information obtained from files reviewed at the RWQCB (further discussed in Section 4.2) this property would not be considered an environmental concern to the project site

APN 033-221-10 is at the northeast corner of intersection of South Raymond Avenue and East Valencia Drive. This property was formerly occupied by CMI and is currently undergoing additional assessment for VOC impact with oversight by the DTSC. PECs identified are ADL in surficial soils adjacent to South Raymond Avenue and possible VOC impact in soil, soil vapor, and groundwater.

APN 033-230-33 is at the southeast corner of the intersection of South Raymond Avenue and East Valencia Drive. PEC identified includes ADL in surficial soils adjacent to East Valencia Drive.

APN 269-041-03 is west of South Raymond Avenue and south of the BNSF railroad tracks. PECs identified include possible impact related to the BNSF railroad tracks including impacts from PAHs, TPH, PCBs, chlorinated herbicides, metals, ADL in surficial soils adjacent to East Valencia Drive.

APN 269-042-01 is west of South Raymond Avenue and south of East Valencia Drive. PEC identified is ADL in surficial soils adjacent to South Raymond Avenue.

APNs 033-230-06 and 033-230-07 are at the northeast intersection of South Raymond Avenue and East Ash Avenue. PEC identified is ADL in surficial soils adjacent to South Raymond Avenue.

APN 033-230-17 is at the southeast intersection of South Raymond Avenue and East Ash Avenue. PEC identified is ADL in surficial soils adjacent to South Raymond Avenue.

APNs 269-121-44 and 269-121-45 are at the northwest intersection of South Raymond Avenue and East Ash Avenue. PEC identified is ADL in surficial soils adjacent to South Raymond Avenue.

APNs 269-121-14 and 269-121-15 are at the southwest intersection of South Raymond Avenue and East Ash Avenue. PEC identified is ADL in surficial soils adjacent to South Raymond Avenue.

APN 033-230-42 is at the northeast intersection of South Raymond Avenue and Kimberly Avenue. PEC identified is ADL in surficial soils adjacent to South Raymond Avenue.

Potential On-Site Environmental Concerns

- All properties - There is a potential for ADL from automotive exhaust in unpaved shallow soil or landscaped areas along South Raymond Avenue, East Valencia Drive, East Walnut Avenue. The project site is located within the boundaries of the OCWD's NBGP Project and groundwater beneath the project site is likely impacted with VOCs.
- United Duralume Products (former Chicago Musical Instruments) at APN 033-221-10 (350 South Raymond Avenue) –This facility is likely impacted with VOCs resulting from past activities associated with the former Chicago Musical Instruments operations between 1964 and 1979.
- BNSF property - There is a potential for soil to be impacted along the BNSF railroad right-of-way. PAHs, TPH, PCBs, chlorinated herbicides, and metals are typically detected along railroad easements from operational activities, spills, and use of herbicides.
- A rail spur is on the south side of APN 033-230-42 (Mesa Cold Storage, 700 South Raymond Avenue). If construction easement for the project should include the southern portion of this parcel including the rail spur, construction activities may result in the movement of soil and the soil should therefore be sampled and analyzed for PAHs, TPH, PCBs, chlorinated herbicides, and metals.

Potential Off-Site Environmental Concerns

- Based on information obtained from the RWQCB (Section 4.2), off-site properties listed on the environmental database report were determined not be an environmental concern to the project site.

7. CONCLUSIONS

Properties with PECs within the project area were identified by field observations, historical research, and an environmental database search.

Raymond Avenue Grade Separation
Fullerton, California

December 17, 2010
Project No. 208109001

Properties with one or more PECs are listed in the following table.

Table 1 – Property Attributes

APN	Property	Address	Location	Risk Status	Reason for Risk Status
033-221-10	United Duralume Products (former Chicago Musical Instruments)	350 South Raymond Avenue	Northeast corner of South Raymond Avenue and East Valencia Drive.	Impact indicated on property	This facility is listed as an active state response facility. Previous subsurface investigations reported elevated concentrations of VOCs in the soil gas and VOC concentrations above MCLs in groundwater. This site is currently undergoing further investigation with oversight from the DTSC.
033-230-42	Mesa Cold Storage	700 South Raymond Avenue	Northeast corner of South Raymond Avenue and Kimberly Avenue.	Further investigation recommended	If construction easement for the project should include the southern portion of this parcel including the rail spur. It is probable that construction activities will result in the movement of soil and the soil should therefore be sampled and analyzed for PAHs, TPH, PCBs, chlorinated herbicides, and metals
NA	BNSF Railroad Tracks (and ends of shoofly)	South Raymond Avenue and East Valencia Drive	Within limits of railroad tracks and at east and west ends of shoofly	Further investigation recommended	It is probable that construction activities will result in the movement of soil and the soil should therefore be sampled and analyzed for PAHs, TPH, PCBs, chlorinated herbicides, and metals.
All Sites	NA	NA	Unpaved portions of sites within 10 feet of travel lanes	Further investigation recommended	There is a potential for ADL from automotive exhaust in unpaved shallow soil or landscaped areas. Therefore, an ADL survey should be conducted at these areas where construction activities will result in the movement of soil.

8. RECOMMENDATIONS

Based upon the findings of this study, we make the following recommendation for the properties listed in the preceding table of properties with PECs including those which have the potential for residual impact to be encountered during site construction. These recommendations are provided to evaluate the potential for construction worker exposure and for potential waste characterization purposes. Future investigations should be conducted during the environmental study phase of the project.

- ACM and LBP may be present in structures planned for demolition. ACM and LBP surveys should be completed prior to demolition activities of on-site structures.
- ADL may be present in the soil as a result of historical vehicle emissions during the era of leaded gasoline. An ADL survey should be conducted in areas of exposed soil which will be disturbed during construction within 10 feet of South Raymond Avenue, East Valencia Drive, East Walnut Avenue, and the BNSF railroad. ADL borings should be located along the shoulders and medians where earth will be disturbed at no more than 300 foot horizontal intervals. The borings should be advanced up to 4 feet bgs or the maximum anticipated construction depth, whichever is shallower.
- Groundwater is not expected to be encountered during construction as the expected depth to groundwater is over 80 feet bgs and the expected maximum earth disturbance depth is 45 feet bgs. However, if construction plans change and groundwater is expected to be encountered, we recommend collecting and analyzing groundwater samples for VOCs and other constituents needed to apply for a construction dewatering discharge permit.
- During the construction of the railroad shoofly parallel to East Valencia Drive and crossing over South Raymond Avenue, soil will be excavated along the length of the shoofly. Based on chemicals typically used along railroad tracks there is a likelihood that residual chemicals may be present in the soil. For waste characterization purposes the soil should be sampled and analyzed to evaluate for the presence of chlorinated herbicides, metals, PAHs, TPHs, and PCBs. Soil samples should be collected at no more than 300 foot horizontal intervals and at one foot vertical intervals to a depth of approximately 5 feet bgs. Surface samples should be analyzed for these target analytes. Deeper samples may be analyzed if significant concentrations of target analytes are detected.
- Subsurface investigation should be conducted along Valencia Avenue south of 350 South Raymond Avenue (APN 033-221-10, United Duralume Products) which is impacted by VOCs. Four borings should be advanced and sampled adjacent to the southern side of the property along the BNSF railroad tracks. The borings should be advanced to 45 feet bgs or the maximum expected construction depth, whichever is shallower. Soil samples should be collected and analyzed for VOCs and lead. Soil samples should be evaluated using a PID to assess potential exposure of construction personnel to potentially impacted VOC soil vapor (if any) during construction activities..
- Further investigation should be conducted for property at APN 033-230-42 (Mesa Cold Storage, 700 South Raymond Avenue) to evaluate the potential for residual impact to be encountered resulting from historical activities at this facility.

The following recommendation applies to the entire project area.

A work plan and site-specific health and safety plan detailing sampling locations and laboratory analysis should be prepared and submitted for properties where subsurface investigation is recommended.

9. LIMITATIONS AND EXCEPTIONS OF THE ASSESSMENT

The opinions and recommendations presented in this report are based upon the results of our site reconnaissance, review of an environmental database search, review of historical aerial photographs, review of historical topographic maps, and review of Division of Oil and Gas maps. Further assessment of possible adverse environmental impacts from past activities adjoining the site and surrounding facilities may be accomplished by a more comprehensive assessment, which would likely include additional inquiry, soil borings, completion of soil sampling and analysis, and installation of groundwater monitoring wells.

The opinions presented herein apply to site conditions existing at the time of our ISA, and cannot be taken to apply to site changes or conditions which we are not aware and/or have not had the opportunity to evaluate.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding project information, or the content, interpretations presented, or completeness of this document.

Opinions and judgments expressed herein, which are based on our understanding and interpretation of current regulatory standards, should not be construed as legal opinions. In the event conditions change from those described in this ISA, Ninyo & Moore reserves the right to review such conditions and to modify, as appropriate, the assessments and conclusions provided in this report. We cannot state with certainty that shallow soil beneath the site has not been impacted. A greater level of certainty can be attained through additional subsurface assessment of the soil.

10. REFERENCES

Norris, Robert M., and Webb, Robert W., 1990, Geology of California, Second Edition.

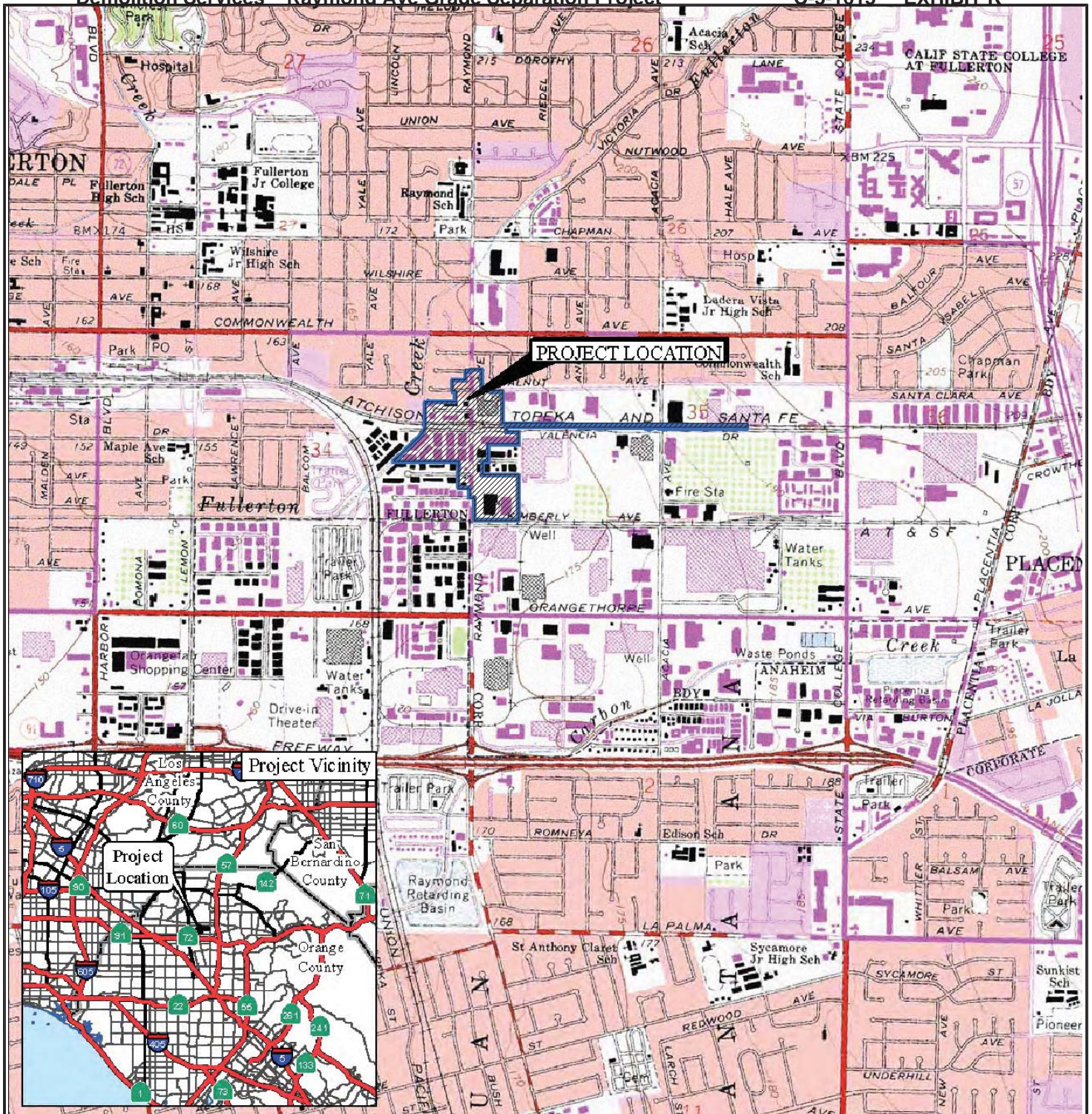
Track Info Services, LLC/Environmental FirstSearch 2010, Aerial Photograph Report: South Raymond Avenue, Fullerton, California 92831, dated October 1.

Track Info Services, LLC/Environmental FirstSearch 2010, Environmental First Search Report: South Raymond Avenue, Fullerton, California 92831, dated October 1.

Track Info Services, LLC/Environmental FirstSearch 2010, Environmental First Search Report: Raymond Avenue, Fullerton, California 92831, dated October 11.

State of California, Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR), Wildcat Map W1-5.

United States Geological Survey, Anaheim, California: 7.5-minute Series (topographic), Scale 1:24,000.



REFERENCE: LSA ASSOCIATES, 2010, PROJECT LOCATION, RAYMOND AVENUE GRADE SEPARATION, DATED SEPTEMBER 20.

Ninyo & Moore

Orange County Transportation Authority

PROJECT NO.

DATE

208109001

12/10

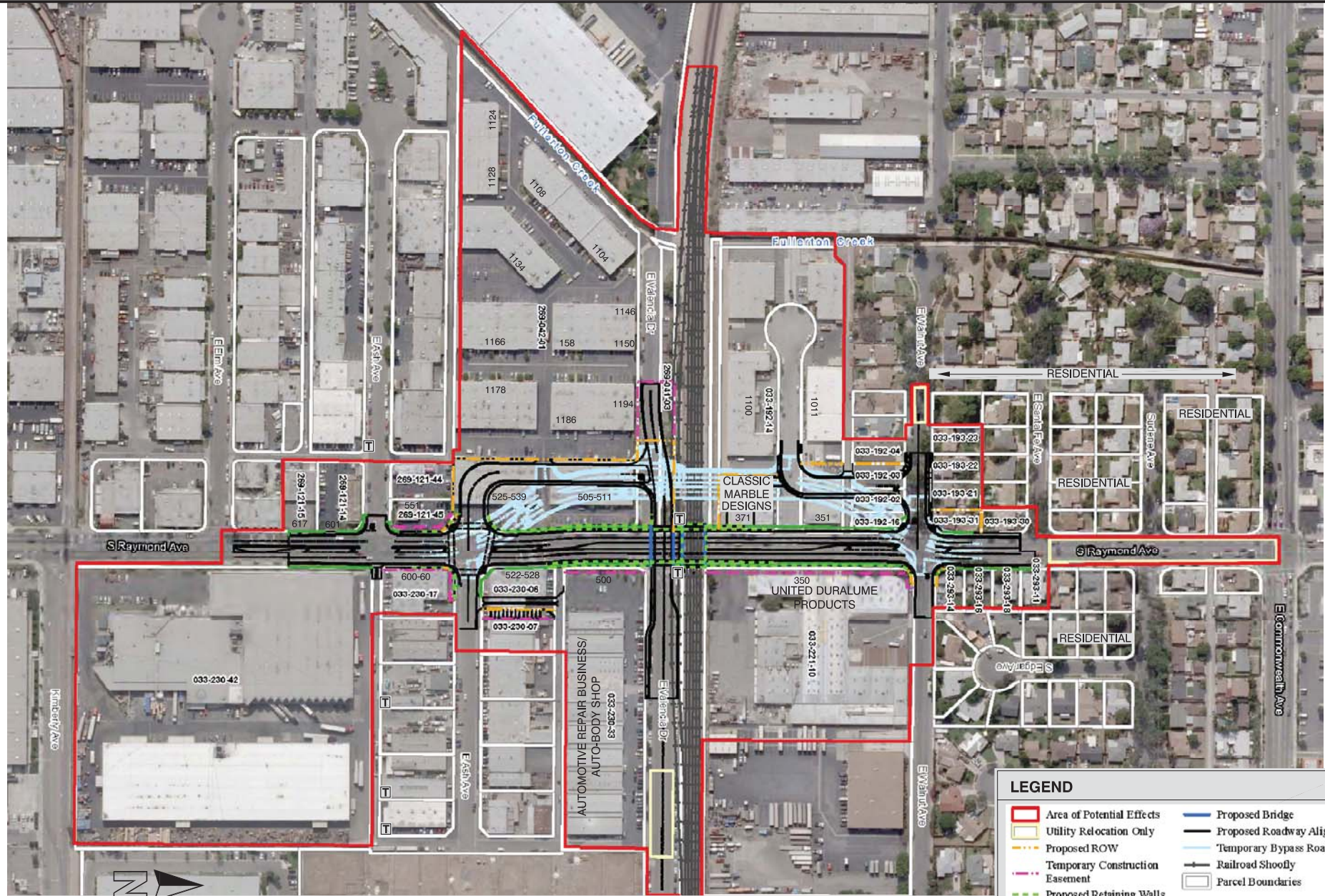
PROJECT LOCATION

RAYMOND AVENUE GRADE SEPARATION
FULLERTON, CALIFORNIA

FIGURE

EXHIBIT K Page 50 of 377

1



REFERENCE: LSA ASSOCIATES, 2010, AREA OF POTENTIAL EFFECTS, RAYMOND AVENUE GRADE SEPARATION, DATED OCTOBER 22.

SCALE IN FEET



MATCH LINE - SEE FIGURE 2B

Ningo & Moore

AREA OF POTENTIAL EFFECTS

FIGURE

RAYMOND AVENUE GRADE SEPARATION
FULLERTON, CALIFORNIA

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2A

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

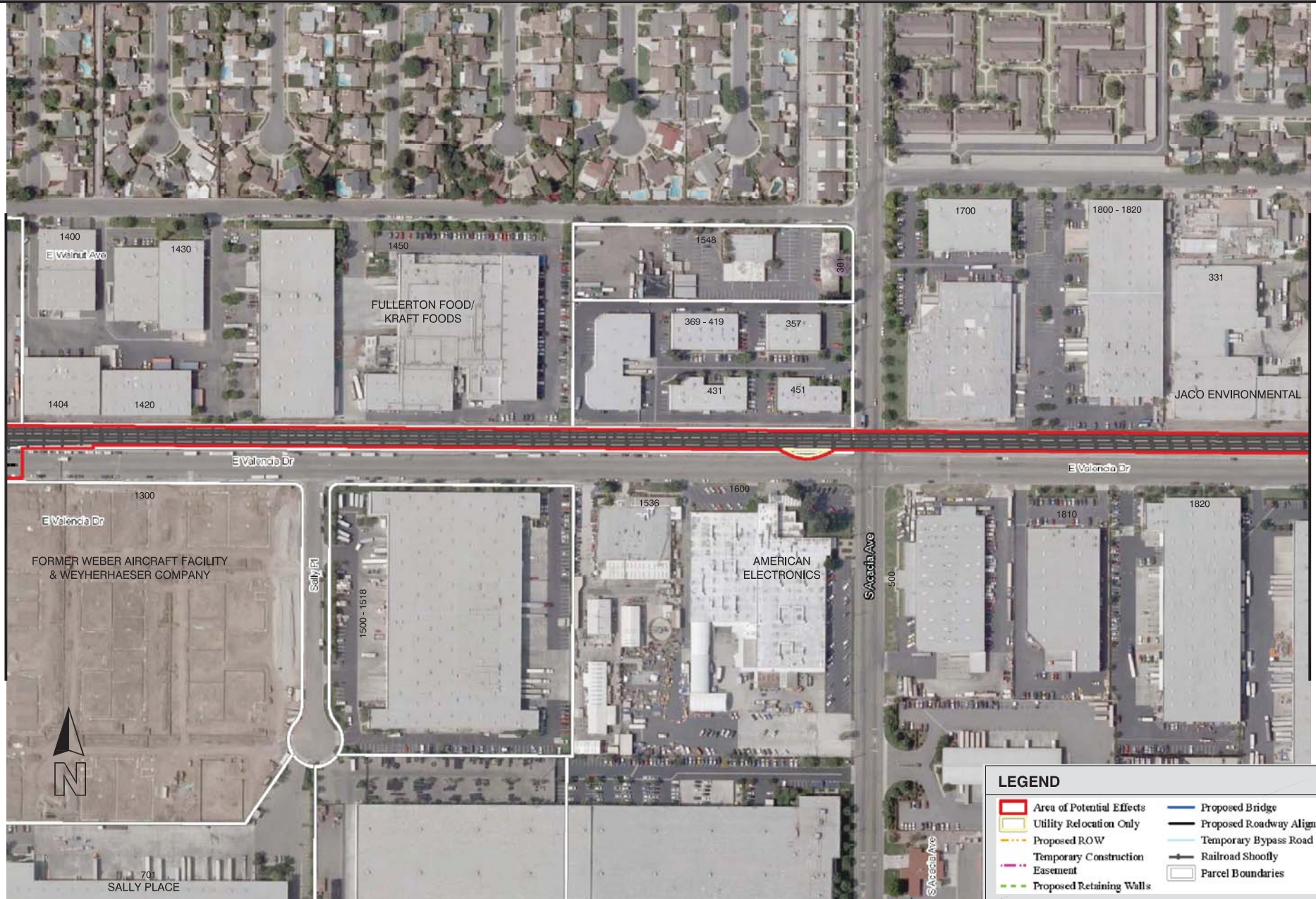
PROJECT NO.
208109001

DATE
12/10

208109_A2.DWG.....-G.K.

MATCH LINE - SEE FIGURE 2A

MATCH LINE - SEE FIGURE 2C



REFERENCE: LSA ASSOCIATES, 2010, AREA OF POTENTIAL EFFECTS, RAYMOND AVENUE GRADE SEPARATION, DATED OCTOBER 22.

SCALE IN FEET



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ningo & Moore

AREA OF POTENTIAL EFFECTS

FIGURE

RAYMOND AVENUE GRADE SEPARATION
FULLERTON, CALIFORNIA

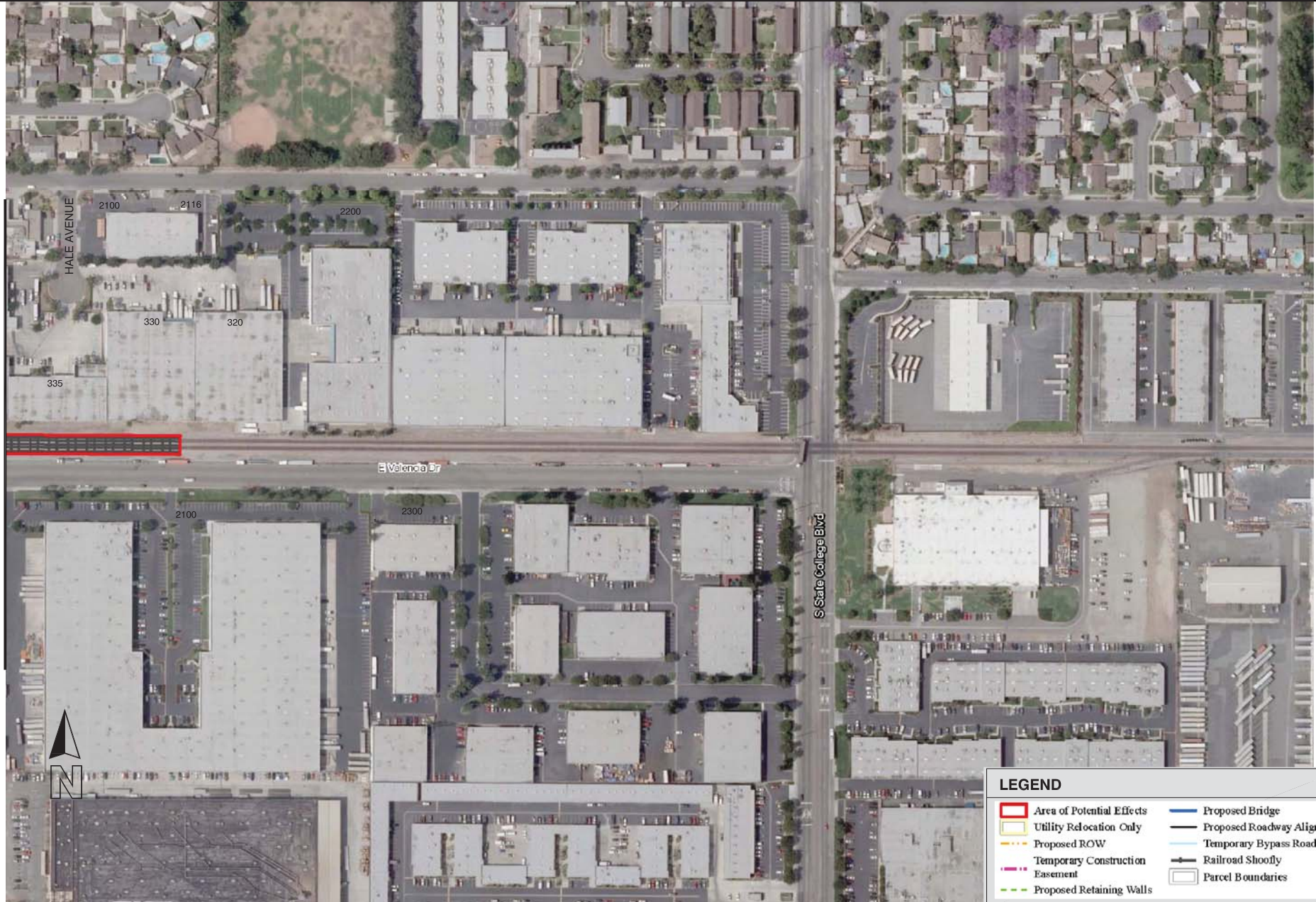
Page 52 of 377

2B

208109_A3.DWG.....-G.K.

208109_A4.DWG.....-G.K.

MATCH LINE - SEE FIGURE 2B



REFERENCE: LSA ASSOCIATES, 2010, AREA OF POTENTIAL EFFECTS, RAYMOND AVENUE GRADE SEPARATION, DATED OCTOBER 22.

LEGEND

- Area of Potential Effects
- Utility Relocation Only
- Proposed ROW
- Temporary Construction Easement
- Proposed Retaining Walls
- Proposed Bridge
- Proposed Roadway Alignment
- Temporary Bypass Road
- Railroad Shoolfly
- Parcel Boundaries

SCALE IN FEET

0 300 600

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

PROJECT NO.	DATE
208109001	12/10

AREA OF POTENTIAL EFFECTS

RAYMOND AVENUE GRADE SEPARATION
FULLERTON, CALIFORNIA

FIGURE

EXHIBIT K Page 53 of 377

2C

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION

**Raymond Avenue Grade Separation
Fullerton, California**

**Appendix A
Project No. 208109001**



Photograph No. 1: Facing south on Raymond Avenue from the intersection of Raymond and Commonwealth Avenues.



Photograph No. 2: Facing north on Raymond Avenue from the intersection of Raymond Avenue and Valencia Drive.

**Raymond Avenue Grade Separation
Fullerton, California**

**Appendix A
Project No. 208109001**



Photograph No. 3: Facing east along Valencia Drive and the BNSF railroad tracks from the intersection of Raymond Avenue and Valencia Drive.



Photograph No. 4: Facing west along the BNSF railroad tracks from the intersection of Raymond Avenue and Valencia Drive.

**Raymond Avenue Grade Separation
Fullerton, California**

**Appendix A
Project No. 208109001**



Photograph No. 5: Facing East along Valencia Drive from the intersection of Raymond Avenue and Valencia Drive.



Photograph No. 6: Facing South on Raymond Avenue from the intersection of Raymond Avenue and Valencia Drive.

**Raymond Avenue Grade Separation
Fullerton, California**

**Appendix A
Project No. 208109001**



Photograph No. 7 Facing north along Raymond Avenue from the intersection of Raymond and Kimberly Avenues.



Photograph No. 8 (500 South Raymond Avenue), facing southeast.

**Raymond Avenue Grade Separation
Fullerton, California**

**Appendix A
Project No. 208109001**



Photograph No. 9 **APN 033-230-17 (600-606 South Raymond Avenue), facing north.**



Photograph No. 10 **APN 033-230-42 (700 South Raymond Avenue), facing northeast.**

**Raymond Avenue Grade Separation
Fullerton, California**

**Appendix A
Project No. 208109001**



Photograph No. 11 APNs 269-121-14 (601 South Raymond Avenue) and 269-121-15 (617-619 South Raymond Avenue), facing northwest.



Photograph No. 12 APNs 269-121-44 (1189 East Ash Street) and 269-121-45 (551 South Raymond Avenue), facing northwest.
Orange County Transportation Authority

**Raymond Avenue Grade Separation
Fullerton, California**

**Appendix A
Project No. 208109001**



Photograph No. 13 APN 269-041-01 (525-539 South Raymond Avenue), facing northwest.



Photograph No. 14 APN 269-041-01 (505-511 South Raymond Avenue), facing northwest.

**Raymond Avenue Grade Separation
Fullerton, California**

**Appendix A
Project No. 208109001**



Photograph No. 15 APN 033-221-10 (350 South Raymond Avenue), facing northeast.



Photograph No. 16 APN 033-192-14 (Truslow Avenue), facing west towards Truslow Avenue cul-de-sac.

**Raymond Avenue Grade Separation
Fullerton, California**

**Appendix A
Project No. 208109001**



Photograph No. 17 Pole-mounted transformers along the alley south of East Ash Avenue, facing east.



Photograph No. 18 Pole-mounted transformers along Raymond Avenue, facing north-west.

APPENDIX B

ENVIRONMENTAL DATABASE SEARCH

TRACK ► INFO SERVICES, LLC

Environmental FirstSearch™ Report

Target Property:

**S RAYMOND AVE
FULLERTON CA 92831**

Job Number: 208109001

PREPARED FOR:

Ninyo and Moore
475 Goddard, Suite 200
Irvine, CA 92618

10-01-10



Tel: (866) 664-9981
Orange County Transportation Authority

Fax: (818) 249-4227
EXHIBIT K Page 65 of 377

Target Site: S RAYMOND AVE
 FULLERTON CA 92831

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	08-01-10	0.12	0	0	-	-	-	0	0
NPL Delisted	Y	08-02-10	0.12	0	0	-	-	-	0	0
CERCLIS	Y	08-31-10	0.12	0	0	-	-	-	0	0
NFRAP	Y	08-31-10	0.12	1	0	-	-	-	0	1
RCRA COR ACT	Y	07-14-10	0.12	0	0	-	-	-	0	0
RCRA TSD	Y	07-14-10	0.12	0	0	-	-	-	0	0
RCRA GEN	Y	07-14-10	0.12	8	17	-	-	-	0	25
RCRA NLR	Y	07-14-10	0.12	0	1	-	-	-	0	1
Federal Brownfield	Y	07-06-10	0.12	0	0	-	-	-	0	0
ERNS	Y	07-23-10	0.12	0	2	-	-	-	4	6
Tribal Lands	Y	12-01-05	0.12	0	0	-	-	-	3	3
State/Tribal Sites	Y	08-04-10	0.12	1	0	-	-	-	1	2
State Spills 90	Y	06-22-10	0.12	0	4	-	-	-	0	4
State/Tribal SWL	Y	09-29-10	0.12	0	1	-	-	-	0	1
State/Tribal LUST	Y	06-22-10	0.12	2	6	-	-	-	3	11
State/Tribal UST/AST	Y	09-22-10	0.12	1	3	-	-	-	1	5
State/Tribal EC	Y	NA	0.12	0	0	-	-	-	0	0
State/Tribal IC	Y	08-04-10	0.12	0	0	-	-	-	0	0
State/Tribal VCP	Y	08-04-10	0.12	0	0	-	-	-	0	0
State/Tribal Brownfields	Y	NA	0.12	0	0	-	-	-	0	0
State Permits	Y	06-22-10	0.12	0	0	-	-	-	0	0
State Other	Y	08-04-10	0.12	0	0	-	-	-	1	1
Federal IC/EC	Y	08-26-10	0.12	0	0	-	-	-	0	0
HW Manifest	Y	08-02-10	0.12	17	28	-	-	-	2	47
- TOTALS -				30	62	0	0	0	15	107

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services's services proceeding are signifying an understanding of TRACK Info Services's searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

***Environmental FirstSearch
Site Information Report***

Request Date: 10-01-10
Requestor Name: beth padgett
Standard: AAI

Search Type: AREA
 0.02 sq mile(s)
Job Number: 208109001
Filtered Report

Target Site: S RAYMOND AVE
 FULLERTON CA 92831

Demographics

Sites: 107	Non-Geocoded: 15	Population: NA
Radon: NA		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
Longitude:	-117.90712	-117:54:26	Easting:	416095.956
Latitude:	33.867076	33:52:1	Northing:	3747593.918
Elevation:	N/A		Zone:	11

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)

Services:

ZIP Code	City Name	ST	Dist/Dir	Sel
92801	ANAHEIM	CA	0.12 SW	Y
92805	ANAHEIM	CA	0.73 SE	Y
92806	ANAHEIM	CA	0.80 SE	Y
92832	FULLERTON	CA	0.05 NW	Y

	Requested?	Date
Fire Insurance Maps	No	
Aerial Photographs	Yes	10-01-10
Historical Topos	No	
City Directories	No	
Title Search/Env Liens	No	
Municipal Reports	No	
Online Topos	No	

***Environmental FirstSearch
Target Site Summary Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 107 **GEOCODED:** 92 **NON GEOCODED:** 15 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
1	RCRAGN	WESTERN ROTO ENGRAVERS CAT080025018/SGN	1224 E ASH ST FULLERTON CA 92631	0.00 --	N/A	2
1	NFRAP	WESTERN ROTO ENGRAVERS INC CAT080025018/NFRAP-N	1224 E ASH ST FULLERTON CA 92631	0.00 --	N/A	1
2	RCRAGN	ATLAS COPCO INC CAD983616699/SGN	1212 E ASH AVE FULLERTON CA 92631	0.00 --	N/A	4
2	UST	ATLAS COPCO RENTAL INC TISID-STATE34507/ACTIVE	1212 ASH FULLERTON CA 92631	0.00 --	N/A	3
2	LUST	ATLAS COPCO RENTAL INC. T0605902049/COMPLETED - CASE CLO	1212 ASH ST FULLERTON CA 92831	0.00 --	N/A	5
3	RCRAGN	CREATIVE SIGNS CAD083154039/SGN	1158 E VALENCIA DR FULLERTON CA 92631	0.00 --	N/A	6
4	RCRAGN	HONDA CAR SPECIAITY CAD983584459/SGN	500 S RAYMOND C FULLERTON CA 92631	0.00 --	N/A	7
4	RCRAGN	TERRYS AUTOMOTIVE INC CAR000080614/SGN	500 S RAYMOND UNIT D FULLERTON CA 92831	0.00 --	N/A	9
4	RCRAGN	WHEELS AUTO BODY and PAINT SHO CAD982413536/SGN	500 S RAYMOND AVE I FULLERTON CA 92631	0.00 --	N/A	8
5	RCRAGN	KRYLER CORP. CAD981452915/LGN	1217 E ASH FULLERTON CA 92631	0.00 --	N/A	10
6	RCRAGN	SEMAAN PRINTING CO INC CAD983652686/SGN	535 S RAYMOND AVE FULLERTON CA 92631	0.00 --	N/A	11
7	STATE	CHICAGO MUSICAL INSTRUMENTS (F CAL60001251/ACTIVE	350 S RAYMOND AVE FULLERTON CA 92831	0.00 --	N/A	12
8	LUST	CLASSIC MARBLE T0605901605/COMPLETED - CASE CLO	371 RAYMOND AVE FULLERTON CA 92831	0.00 --	N/A	13
9	HWMANIFEST	A-1 SAW and TOOL INC CAL000163516/ACTIVE	1110 TRUSLOW FULLERTON CA 92831	0.00 --	N/A	15
10	HWMANIFEST	ACME DOOR CLOSER SERVICE CAL000023015/ACTIVE	600 SOUTH RAYMOND FULLERTON CA 92831	0.00 --	N/A	17
11	HWMANIFEST	BAVARIAN AUTOTECH S CAL000021788/INACTIVE	551 SOUTH RAYMOND FULLERTON CA 92831	0.00 --	N/A	19
11	HWMANIFEST	BAVARIAN AUTO TECH CAL000017247/ACTIVE	551 SOUTH RAYMOND AVE FULLERTON CA 92831	0.00 --	N/A	21
12	HWMANIFEST	BETO S PAINT and BODY INC CAL000223437/ACTIVE	500 SOUTH RAYMOND STE AVE FULLERTON CA 92831	0.00 --	N/A	26
12	HWMANIFEST	TOP AUTO REPAIR CAL000284590/ACTIVE	500 SOUTH RAYMOND AVE FULLERTON CA 92831	0.00 --	N/A	27
12	HWMANIFEST	TOPLINE PAINT and BODY INC CAL000224609/INACTIVE	500 SOUTH RAYMOND STE AVE FULLERTON CA 92831	0.00 --	N/A	23
12	HWMANIFEST	TOPS AUTO BODY CAL000291186/ACTIVE	500 SOUTH RAYMOND UNIT AVE FULLERTON CA 92831	0.00 --	N/A	24

***Environmental FirstSearch
Target Site Summary Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 107 **GEOCODED:** 92 **NON GEOCODED:** 15 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
12	HWMANIFEST	TURY Z CONCEPTS INC CAL000277560/ACTIVE	500 SOUTH RAYMOND STE AVE FULLERTON CA 92831	0.00 --	N/A	27
13	HWMANIFEST	E.J. WHITNEY CO INC CAL000089845/ACTIVE	529 SOUTH RAYMOND AVE FULLERTON CA 92831	0.00 --	N/A	29
14	HWMANIFEST	FULLER LABORATORIES CAL000224897/INACTIVE	1135 EAST TRUSLOW AVE FULLERTON CA 92831	0.00 --	N/A	31
15	HWMANIFEST	GOLDEN WEST TECHNOLOGY CAL000001710/ACTIVE	1178 EAST VALENCIA DR FULLERTON CA 92831	0.00 --	N/A	33
16	HWMANIFEST	JERRY ROSE CO CAL000174458/ACTIVE	1125 EAST TRUSLOW AVE FULLERTON CA 92831	0.00 --	N/A	35
17	HWMANIFEST	KMP ENGINEERING CONTRACTORS IN CAL000273888/ACTIVE	1164 EAST VALENCIA DR FULLERTON CA 92831	0.00 --	N/A	36
18	HWMANIFEST	SHARK ATTACK GRAPHICS CAL000308198/ACTIVE	1120 EAST VALENCIA DR FULLERTON CA 92831	0.00 --	N/A	36
19	HWMANIFEST	TIME BUSINESS FORMS INC CAL000182519/ACTIVE	1146 EAST VALENCIA DR FULLERTON CA 92831	0.00 --	N/A	38
20	HWMANIFEST	UNIT INDUSTRIES INC CAL000309509/ACTIVE	1140 EAST VALENCIA DR FULLERTON CA 92831	0.00 --	N/A	39

***Environmental FirstSearch
Sites Summary Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 107 **GEOCODED:** 92 **NON GEOCODED:** 15 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
1	NFRAP	WESTERN ROTO ENGRAVERS INC CAT080025018/NFRAP-N	1224 E ASH ST FULLERTON CA 92631	0.00 --	N/A	1
1	RCRAGN	WESTERN ROTO ENGRAVERS CAT080025018/SGN	1224 E ASH ST FULLERTON CA 92631	0.00 --	N/A	2
2	UST	ATLAS COPCO RENTAL INC TISID-STATE34507/ACTIVE	1212 ASH FULLERTON CA 92631	0.00 --	N/A	3
2	RCRAGN	ATLAS COPCO INC CAD983616699/SGN	1212 E ASH AVE FULLERTON CA 92631	0.00 --	N/A	4
2	LUST	ATLAS COPCO RENTAL INC. T0605902049/COMPLETED - CASE CLO	1212 ASH ST FULLERTON CA 92831	0.00 --	N/A	5
3	RCRAGN	CREATIVE SIGNS CAD083154039/SGN	1158 E VALENCIA DR FULLERTON CA 92631	0.00 --	N/A	6
4	RCRAGN	HONDA CAR SPECIAITY CAD983584459/SGN	500 S RAYMOND C FULLERTON CA 92631	0.00 --	N/A	7
4	RCRAGN	WHEELS AUTO BODY and PAINT SHO CAD982413536/SGN	500 S RAYMOND AVE I FULLERTON CA 92631	0.00 --	N/A	8
4	RCRAGN	TERRYS AUTOMOTIVE INC CAR000080614/SGN	500 S RAYMOND UNIT D FULLERTON CA 92831	0.00 --	N/A	9
5	RCRAGN	KRYLER CORP. CAD981452915/LGN	1217 E ASH FULLERTON CA 92631	0.00 --	N/A	10
6	RCRAGN	SEMAAN PRINTING CO INC CAD983652686/SGN	535 S RAYMOND AVE FULLERTON CA 92631	0.00 --	N/A	11
7	STATE	CHICAGO MUSICAL INSTRUMENTS (F CAL60001251/ACTIVE	350 S RAYMOND AVE FULLERTON CA 92831	0.00 --	N/A	12
8	LUST	CLASSIC MARBLE T0605901605/COMPLETED - CASE CLO	371 RAYMOND AVE FULLERTON CA 92831	0.00 --	N/A	13
9	HWMANIFEST	A-1 SAW and TOOL INC CAL000163516/ACTIVE	1110 TRUSLOW FULLERTON CA 92831	0.00 --	N/A	15
10	HWMANIFEST	ACME DOOR CLOSER SERVICE CAL000023015/ACTIVE	600 SOUTH RAYMOND FULLERTON CA 92831	0.00 --	N/A	17
11	HWMANIFEST	BAVARIAN AUTOTECH S CAL000021788/INACTIVE	551 SOUTH RAYMOND FULLERTON CA 92831	0.00 --	N/A	19
11	HWMANIFEST	BAVARIAN AUTO TECH CAL000017247/ACTIVE	551 SOUTH RAYMOND AVE FULLERTON CA 92831	0.00 --	N/A	21
12	HWMANIFEST	TOPLINE PAINT and BODY INC CAL000224609/INACTIVE	500 SOUTH RAYMOND STE AVE FULLERTON CA 92831	0.00 --	N/A	23
12	HWMANIFEST	TOPS AUTO BODY CAL000291186/ACTIVE	500 SOUTH RAYMOND UNIT AVE FULLERTON CA 92831	0.00 --	N/A	24
12	HWMANIFEST	BETO S PAINT and BODY INC CAL000223437/ACTIVE	500 SOUTH RAYMOND STE AVE FULLERTON CA 92831	0.00 --	N/A	26
12	HWMANIFEST	TOP AUTO REPAIR CAL000284590/ACTIVE	500 SOUTH RAYMOND AVE FULLERTON CA 92831	0.00 --	N/A	27

***Environmental FirstSearch
Sites Summary Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 107 **GEOCODED:** 92 **NON GEOCODED:** 15 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
12	HWMANIFEST	TURY Z CONCEPTS INC CAL000277560/ACTIVE	500 SOUTH RAYMOND STE AVE FULLERTON CA 92831	0.00 --	N/A	27
13	HWMANIFEST	E.J. WHITNEY CO INC CAL000089845/ACTIVE	529 SOUTH RAYMOND AVE FULLERTON CA 92831	0.00 --	N/A	29
14	HWMANIFEST	FULLER LABORATORIES CAL000224897/INACTIVE	1135 EAST TRUSLOW AVE FULLERTON CA 92831	0.00 --	N/A	31
15	HWMANIFEST	GOLDEN WEST TECHNOLOGY CAL000001710/ACTIVE	1178 EAST VALENCIA DR FULLERTON CA 92831	0.00 --	N/A	33
16	HWMANIFEST	JERRY ROSE CO CAL000174458/ACTIVE	1125 EAST TRUSLOW AVE FULLERTON CA 92831	0.00 --	N/A	35
17	HWMANIFEST	KMP ENGINEERING CONTRACTORS IN CAL000273888/ACTIVE	1164 EAST VALENCIA DR FULLERTON CA 92831	0.00 --	N/A	36
18	HWMANIFEST	SHARK ATTACK GRAPHICS CAL000308198/ACTIVE	1120 EAST VALENCIA DR FULLERTON CA 92831	0.00 --	N/A	36
19	HWMANIFEST	TIME BUSINESS FORMS INC CAL000182519/ACTIVE	1146 EAST VALENCIA DR FULLERTON CA 92831	0.00 --	N/A	38
20	HWMANIFEST	UNIT INDUSTRIES INC CAL000309509/ACTIVE	1140 EAST VALENCIA DR FULLERTON CA 92831	0.00 --	N/A	39
21	HWMANIFEST	CCJ CORP CAL000260864/ACTIVE	602 SOUTH RAYMOND AVE FULLERTON CA 92831	0.01 SE	N/A	39
22	HWMANIFEST	LONE STAR TERMITE AND PEST CON CAL000290947/ACTIVE	606 SOUTH RAYMOND AVE FULLERTON CA 92831	0.01 SE	N/A	39
23	HWMANIFEST	RAYMAC GRINDING CO CAL000070279/ACTIVE	1207 EAST ASH AVE FULLERTON CA 92831	0.01 SE	N/A	41
24	HWMANIFEST	FBI EXPRESS INC CAL000302246/ACTIVE	1250 EAST WALNUT AVE FULLERTON CA 92831	0.02 SE	N/A	42
24	HWMANIFEST	US DELIVERY CAL000017265/INACTIVE	1250 EAST WALNUT AVE FULLERTON CA 92831	0.02 SE	N/A	44
25	RCRANLR	MONOGRAM SYSTEMS CAD009608894/NLR	1300 VALENCIA DR FULLERTON CA 92631	0.03 SE	N/A	45
25	SPILLS	WEYERHAESER COMPANY G_SLT8R2264004/COMPLETED - CASE CL	1300 EAST VALENCIA AVE FULLERTON CA	0.03 SE	N/A	46
25	SPILLS	WEBER AIRCRAFT FACILITY SLC8_323/ADDITIONAL CHARACTER	1300 E VALENCIA DR FULLERTON CA	0.03 SE	N/A	47
25	SPILLS	WEYERHAESER COMPANY SLC8_110/CLOSED	1300 E VALENCIA AVE FULLERTON CA	0.03 SE	N/A	47
25	RCRAGN	MONOGRAM SYSTEMS CAD009608894/SGN	1300 VALENCIA DR FULLERTON CA 92631	0.03 SE	N/A	48
25	SPILLS	WEBER AIRCRAFT FACILITY FORMER G_SL605992769/COMPLETED - CASE CLO	1300 EAST VALENCIA DR FULLERTON CA	0.03 SE	N/A	49

***Environmental FirstSearch
Sites Summary Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 107 **GEOCODED:** 92 **NON GEOCODED:** 15 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
26	RCRAGN	RELIANCE PLATING AND COATING I CAR000167874/SGN	1151 E ASH AVE FULLERTON CA 92831	0.03 SW	N/A	50
27	HWMANIFEST	BC2 ENVIRONMENTAL CORPORATION CAL000259214/ACTIVE	1212 EAST ASH AVE FULLERTON CA 92831	0.03 SE	N/A	51
28	HWMANIFEST	UNITED STATES SPRING and STAMP CAL000316333/ACTIVE	615 SOUTH RAYMOND AVE FULLERTON CA 92831	0.03 SE	N/A	51
29	RCRAGN	C AND C MACHINE CAD983651647/SGN	1101 E TRUSLOW AVE FULLERTON CA 92631	0.04 NW	N/A	52
30	ERNS	ARROW PRECISION (C. COSEK) 16779/UNKNOWN	ARROW PRECISION (C. COSEK) FULLERTON CA 92631	0.04 SW	N/A	53
31	LUST	SUPERIOR WHOLESALE T0605900533/COMPLETED - CASE CLO	1141 ASH FULLERTON CA 92631	0.05 SW	N/A	54
32	HWMANIFEST	MAGTECH and POWER CONVERSION I CAL000288535/ACTIVE	1146 EAST ASH AVE FULLERTON CA 92831	0.05 SW	N/A	55
33	HWMANIFEST	AMERICOLD LOGISTICS CAL000135894/ACTIVE	700 SOUTH RAYMOND AVE FULLERTON CA 92831	0.06 SE	N/A	57
34	HWMANIFEST	SANTANA SERVICES CAL000196840/ACTIVE	1224 EAST ASH AVE FULLERTON CA 92831	0.06 SE	N/A	59
35	HWMANIFEST	SECURITY SIGNAL DEVICES INC/DB CAL000290149/ACTIVE	1227 EAST ASH ST FULLERTON CA 92831	0.06 SE	N/A	60
36	RCRAGN	DONAHUE MAINT INC CA0000184747/SGN	1167 E ELM AVE FULLERTON CA 92631	0.07 SW	N/A	60
37	RCRAGN	FULLERTON CUSTOM WORKS CAR000172403/LGN	1163 E ELM AVE FULLERTON CA 92831	0.07 SW	N/A	61
38	RCRAGN	MACDERMID INC CAR000059758/SGN	1404 E WALNUT UNIT B FULLERTON CA 92831	0.08 -E	N/A	62
39	SWL	WILLIAMS TIRE COMPANY SWIS30-TI-0187/TO BE DETERMINED	1164 EAST ELM AVENUE FULLERTON CA 92831	0.08 S-	N/A	63
40	HWMANIFEST	DOUGLAS MACHINE COMPANY INC CAL000315075/ACTIVE	1004 EAST WALNUT STE AVE FULLERTON CA 92832	0.08 NW	N/A	64
41	HWMANIFEST	JandJ CARBURETORS AND COMPONENTS CAL000196372/ACTIVE	1127 EAST ASH AVE FULLERTON CA 92831	0.08 SW	N/A	66
42	RCRAGN	COMMUNITY CAR CARE CAD983599432/SGN	100 N RAYMOND FULLERTON CA 92631	0.09 NE	N/A	67
43	LUST	UNOCAL 4851 T0605900337/COMPLETED - CASE CLO	1133 COMMONWEALTH AVE FULLERTON CA 92631	0.09 NW	N/A	69
43	RCRAGN	FULLERTON UNOCAL CAD983599440/SGN	1133 E COMMONWEALTH AVE FULLERTON CA 92631	0.09 NW	N/A	70
43	LUST	TOSCO/76 STATION 4851 T0605902078/COMPLETED - CASE CLO	1133 COMMONWEALTH AVE FULLERTON CA 92831	0.09 NW	N/A	71

***Environmental FirstSearch
Sites Summary Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 107 **GEOCODED:** 92 **NON GEOCODED:** 15 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
43	UST	UNOCAL 4851 FULLERTON07901	1133 E COMMONWEALTH FULLERTON CA	0.09 NW	N/A	72
44	RCRAGN	M AND M CLEANERS CAD981620305/SGN	104 N RAYMOND STE A 3 FULLERTON CA 92631	0.09 NE	N/A	73
45	RCRAGN	S and H RUBBER INC CAD981369564/SGN	1141 E ELM AVE FULLERTON CA 92631	0.09 SW	N/A	74
46	RCRAGN	SPACER CONNECTION INC CAD982439861/SGN	711 RAYMOND AVE STE A FULLERTON CA 92831	0.09 SE	N/A	75
47	HWMANIFEST	PERFORMANCE ENVELOPE CO CAL000181374/ACTIVE	711 SOUTH RAYMOND UNIT FULLERTON CA 92831	0.09 SE	N/A	77
48	HWMANIFEST	SOUTHERN CALILFORIA TRUCKING I CAL000319351/ACTIVE	1234 EAST ASH UNIT AVE FULLERTON CA 92831	0.09 SE	N/A	78
49	RCRAGN	GILL KANEL CORP CAD983598301/SGN	1142 E ELM ST FULLERTON CA 92631	0.10 SW	N/A	78
50	RCRAGN	WEST COAST CLASSIC CAD983605155/SGN	1002 E WALNUT AVE FULLERTON CA 92631	0.10 NW	N/A	79
51	LUST	MOBIL 18-JP5 T0605900182/COMPLETED - CASE CLO	100 RAYMOND AVE FULLERTON CA 92631	0.10 NE	N/A	80
51	UST	MOBIL STATION (18-JP5) TISID-STATE34434/ACTIVE	100 RAYMOND FULLERTON CA 92831	0.10 NE	N/A	81
51	LUST	MOBIL OIL T0605923079/COMPLETED - CASE CLO	100 RAYMOND FULLERTON CA 92831	0.10 NE	N/A	82
52	HWMANIFEST	CONOCO PHILLIPS 254851 CAL000277202/INACTIVE	1133 EAST COMMON WEALTH FULLERTON CA 92831	0.10 NW	N/A	83
52	HWMANIFEST	BOB S 76 SERVICES CAL000127392/ACTIVE	1133 EAST COMMONWEALTH FULLERTON CA 92831	0.10 NW	N/A	85
53	HWMANIFEST	ROY S TRANSMISSION SERVICE CAL000279460/ACTIVE	715 SOUTH RAYMOND FULLERTON CA 92831	0.10 SE	N/A	86
53	HWMANIFEST	ROYS TRANSMISSION SERVICE CAL000014707/INACTIVE	715 SO RAYMOND AVE FULLERTON CA 92831	0.10 SE	N/A	88
54	RCRAGN	RATTLESNAKE MOTORSPORTS LOUIE CAD983642182/SGN	1100 E ASH AVE STE C FULLERTON CA 92631	0.11 SW	N/A	89
55	RCRAGN	STRICTLY FOREIGN CAD983638446/SGN	1120 E ASH AVE FULLERTON CA 92631	0.11 SW	N/A	90
56	LUST	UNOCAL/76 SERVICE NO. 4851 T10000001948/OPEN - REOPEN CASE	1133 E. COMMONWEALTH AVE Fullerton CA 92631	0.11 NW	N/A	92
57	HWMANIFEST	TIKAL AUTO BODY CAL000313462/ACTIVE	1100 EAST ASH STE AVE FULLERTON CA 92831	0.11 SW	N/A	93
57	HWMANIFEST	DURIAN POLISH CAL000330160/ACTIVE	1100 EAST ASH STE AVE FULLERTON CA 92831	0.11 SW	N/A	93

***Environmental FirstSearch
Sites Summary Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 107 **GEOCODED:** 92 **NON GEOCODED:** 15 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
57	HWMANIFEST	TILZA POLISHING SHOP CAL000328725/ACTIVE	1100 EAST ASH STE AVE FULLERTON CA 92831	0.11 SW	N/A	93
57	HWMANIFEST	TIKAL AUTO BODY CAL000281758/INACTIVE	1100 EAST ASH STE AVE FULLERTON CA 92831	0.11 SW	N/A	94
57	HWMANIFEST	AMERICAN INDIAN SPECIALISTS CAL000003976/ACTIVE	1101 EAST ASH STE AVE FULLERTON CA 92831	0.11 SW	N/A	96
58	HWMANIFEST	CASEYS AUTOMOTIVE INC CAL000325447/ACTIVE	1126 EAST ELM STE AVE FULLERTON CA 92831	0.11 SW	N/A	97
58	HWMANIFEST	R H SERVICES CAL000312616/ACTIVE	1130 EAST ELM AVE FULLERTON CA 92831	0.11 SW	N/A	97
58	HWMANIFEST	LOMELI AUTO REPAIR CAL000153849/ACTIVE	1126 ELM UNIT AVE FULLERTON CA 92831	0.11 SW	N/A	99
59	HWMANIFEST	COMPLETE TRUCK AND AUTO REPAIR CAL000202795/ACTIVE	1101 EAST ASH STE AVE FULLERTON CA 92831	0.11 SW	N/A	101
60	RCRAGN	BRITALIA IMPORT AUTO SERVICE CA0000180927/SGN	1121 E ELM AVE FULLERTON CA 92631	0.12 SW	N/A	102
61	RCRAGN	PICNIC SANDWICHES CAD982442527/SGN	1121 E ASH AVE FULLERTON CA 92631	0.12 SW	N/A	103
62	ERNS	UNKNOWN 209966/UNKNOWN (NRC)	1122 EAST ELM FULLERTON CA 92631	0.12 SW	N/A	105
63	UST	FULLERTON UNOCAL 4851 TISID-STATE34437/ACTIVE	1133 COMMONWEALTH FULLERTON CA 92631	0.12 NW	N/A	106

***Environmental FirstSearch
Sites Summary Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 107 **GEOCODED:** 92 **NON GEOCODED:** 15 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	HWMANIFEST	EXPRESS LAWNMOWER SHOP CAL000303689/ACTIVE	1811 N RAYMOND AVE ANAHEIM CA 92801	NON GC	N/A	107
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-92832	UNKNOWN CA 92832	NON GC	N/A	107
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-92801	UNKNOWN CA 92801	NON GC	N/A	108
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-92831	UNKNOWN CA 92831	NON GC	N/A	108
	LUST	MS ALICE PITCHER T0605900879/COMPLETED - CASE CLO	116 ELM FULLERTON CA 92832	NON GC	N/A	109
	LUST	S AND H RUBBER INC. T0605900881/COMPLETED - CASE CLO	1133/1137 ELM ST FULLERTON CA 92831	NON GC	N/A	110
	LUST	COVE DEVELOPMENT T0605928765/COMPLETED - CASE CLO	2401 COMMONWEALTH FULLERTON CA 92831	NON GC	N/A	111
	UST	WESTERN MARKETING COMPANY TISID-STATE7240/INACTIVE	210 WALNUT FULLERTON CA 92832	NON GC	N/A	112
	ERNS	WASTE WATER DISPOSAL 493184/FIXED FACILITY	NEAR CORNER OF COMMONWEALTH FULLERTON CA 92831	NON GC	N/A	113
	STATE	FULLERTON UNION PACIFIC PARK CAL60000511/ACTIVE	TRUSLOW AND HARBOR BLVD FULLERTON CA 92832	NON GC	N/A	115
	ERNS	COMMONWEALTH AVENUE and LEMON NRC-711926/FIXED	COMMONWEALTH AVENUE AND LEM FULLERTON CA 92832	NON GC	N/A	118
	ERNS	 NRC-547160/FIXED	1501 RAYMOND ANAHEIM CA 92801	NON GC	N/A	121
	ERNS	 NRC-762018/FIXED	700 S RAYMOND FULLERTON CA 92831	NON GC	N/A	124
	HWMANIFEST	VERSACOLD CAL000305806/ACTIVE	1415 N RAYMOND AVE ANAHEIM CA 92801	NON GC	N/A	126
	OTHER	 NCLRCA649/NOT REPORTED	641 COMMONWEALTH AVE FULLERTON CA 92831	NON GC	N/A	126

***Environmental FirstSearch
Site Detail Report*****Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

NFRAP

SEARCH ID: 1 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 1**NAME:** WESTERN ROTO ENGRAVERS INC
ADDRESS: 1224 E ASH ST
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: EPA**REV:** 8/31/10
ID1: CAT080025018
ID2: 0902695
STATUS: NFRAP-N
PHONE:**DESCRIPTION:**

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
ARCHIVE SITE	EPA In-House		8/1/1985
DISCOVERY	EPA Fund-Financed		1/1/1981
PRELIMINARY ASSESSMENT	State, Fund Financed	19-85-3/1/	8/1/1985

NFRAP: NO FURTHER REMEDIAL ACTION PLANNED

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 25 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 1

NAME: WESTERN ROTO ENGRAVERS
ADDRESS: 1224 E ASH ST
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAT080025018
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
1224 EAST ASH STREET
FULLERTON CA 92631

PHONE:

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

UST

SEARCH ID: 36 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 2

NAME: ATLAS COPCO RENTAL INC
ADDRESS: 1212 ASH
FULLERTON CA 92631
Orange

REV: 01/01/94
ID1: TISID-STATE34507
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by us. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 2 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 2

NAME: ATLAS COPCO INC
ADDRESS: 1212 E ASH AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983616699
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: R L HOSSLER
1212 E ASH AVE
FULLERTON CA 92631

PHONE: 7146391502

UNIVERSE INFORMATION:

NAIC INFORMATION

53231 - GENERAL RENTAL CENTERS

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch

Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 40 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 2

NAME: ATLAS COPCO RENTAL INC.

REV: 06/22/10

ADDRESS: 1212 ASH ST
FULLERTON CA 92831
ORANGE

ID1: T0605902049

ID2:

STATUS: COMPLETED - CASE CLOSED

CONTACT:

PHONE:

SOURCE: CA SWRCB

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: FULLERTON, CITY OF

REGIONAL BOARD CASE NUMBER: 083002996T

LOCAL AGENCY: FULLERTON, CITY OF

LOCAL CASE NUMBER:

RESPONSIBLE PARTY:

ADDRESS OF RESPONSIBLE PARTY:

SITE OPERATOR:

WATER SYSTEM:

CASE TYPE: LUST Cleanup Site

POTENTIAL CONTAMINANTS OF CONCERN: Gasoline

POTENTIAL MEDIA AFFECTED: Soil

LEAK CAUSE:

LEAK SOURCE:

HOW LEAK WAS DISCOVERED:

DATE DISCOVERED (blank if not reported):

HOW LEAK WAS STOPPED:

STOP DATE (blank if not reported):

STATUS: Completed - Case Closed

STATUS DATE: 2004-09-20

ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):

ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):

DATE OF ENFORCEMENT (blank if not reported):

SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): Other

DATE (blank if not reported): 1950-01-01

ACTION (blank if not reported): Leak Stopped

ACTION TYPE (blank if not reported): Other

DATE (blank if not reported): 1950-01-01

ACTION (blank if not reported): Leak Reported

ACTION TYPE (blank if not reported): Other

DATE (blank if not reported): 1950-01-01

ACTION (blank if not reported): Leak Discovery

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):

MTBE GROUNDWATER CONCENTRATION (parts per billion):

MTBE SOIL CONCENTRATION (parts per million):

MTBE CNTS:

MTBE FUEL:

MTBE TESTED:

MTBE CLASS:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 6	DIST/DIR: 0.00 --	ELEVATION: 166	MAP ID: 3
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NAME: CREATIVE SIGNS
ADDRESS: 1158 E VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD083154039
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
1158 E VALENCIA DR
FULLERTON CA 92631

PHONE: 7148712041

UNIVERSE INFORMATION:

NAIC INFORMATION

54143 - GRAPHIC DESIGN SERVICES

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 11 **DIST/DIR:** 0.00 -- **ELEVATION:** 167 **MAP ID:** 4

NAME: HONDA CAR SPECIAITY
ADDRESS: 500 S RAYMOND C
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983584459
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: RONALD FROST
500 S RAYMOND C
FULLERTON CA 92631

PHONE: 7145263131

UNIVERSE INFORMATION:

NAIC INFORMATION

811111 - GENERAL AUTOMOTIVE REPAIR

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 26 **DIST/DIR:** 0.00 -- **ELEVATION:** 167 **MAP ID:** 4

NAME: WHEELS AUTO BODY and PAINT SHOP

REV: 7/14/10

ADDRESS: 500 S RAYMOND AVE I

ID1: CAD982413536

FULLERTON CA 92831

ID2:

ORANGE

STATUS: SGN

CONTACT:

PHONE:

SOURCE: EPA

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
500 S RAYMOND AVE I
FULLERTON CA 92631

PHONE: 7147387247

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 23 **DIST/DIR:** 0.00 -- **ELEVATION:** 167 **MAP ID:** 4

NAME: TERRY'S AUTOMOTIVE INC
ADDRESS: 500 S RAYMOND UNIT D
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAR000080614
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: TERRY THOMPSON
500 S RAYMOND UNIT D
FULLERTON CA 92831

PHONE: 7145264628

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

Ignitable waste
Tetrachloroethylene

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 12 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 5

NAME: KRYLER CORP.
ADDRESS: 1217 E ASH
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD981452915
ID2:
STATUS: LGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: CHET KRYGLER
1217 E ASH AVE
FULLERTON CA 92831

PHONE: 7148719611

UNIVERSE INFORMATION:

NAIC INFORMATION

332813 - ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

Reactive waste
Corrosive waste
Chromium
Cadmium
Ignitable waste

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 20	DIST/DIR: 0.00 --	ELEVATION: 164	MAP ID: 6
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NAME: SEMAAN PRINTING CO INC
ADDRESS: 535 S RAYMOND AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983652686
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: SIMON SEMANN
535 S RAYMOND AVE
FULLERTON CA 92631

PHONE: 7148708188

UNIVERSE INFORMATION:

NAIC INFORMATION

323110 - COMMERCIAL LITHOGRAPHIC PRINTING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

STATE

SEARCH ID: 30 **DIST/DIR:** 0.00 -- **ELEVATION:** 168 **MAP ID:** 7

NAME:	CHICAGO MUSICAL INSTRUMENTS (FORMER)	REV:	08/04/10
ADDRESS:	350 S RAYMOND AVE	ID1:	CAL60001251
	FULLERTON CA 92831	ID2:	STATE RESPONSE
	ORANGE	STATUS:	ACTIVE
CONTACT:		PHONE:	
SOURCE:	CA DTSC		

GENERAL SITE INFORMATION

Site Type:	State Response
Status:	Active
Status Date:	2010-02-16
NPL Site:	NO
Funding:	Orphan Funds
Regulatory Agencies Involved:	SMBRP
Lead Agency:	SMBRP
Project Manager:	EILEEN KHACHATOURIANS
Supervisor:	Emad Yemut
Branch:	Cypress
Acres:	7.51
Assessor s Parcel Number:	NONE SPECIFIED
Past Uses:	DEGREASING FACILITY
Potential Contaminants:	Tetrachloroethylene (PCE) Trichloroethylene (TCE) 1,1-Dichloroethane
Confirmed Contaminants:	Tetrachloroethylene (PCE) 1,1-Dichloroethane Trichloroethylene (TCE)
Potential Media Affected:	OTH, SOIL, SV
Restricted Use:	NO
Site Management Required:	NONE SPECIFIED
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

401489

60001251

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	PROJECT WIDE
Sub- Area Name:	
Document Type:	Imminent and/or Substantial Endangerment Order
Completion Date:	2010-02-16 00:00:00
Comments:	ISE Order complete and sent to RP.
Area Name:	PROJECT WIDE
Sub- Area Name:	
Document Type:	State/Federal Funded Site Contract Fiscal Approval (CFA)
Completion Date:	2010-03-08 00:00:00
Comments:	CFA signed and approved

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 41 **DIST/DIR:** 0.00 -- **ELEVATION:** 167 **MAP ID:** 8

NAME: CLASSIC MARBLE	REV: 06/22/10
ADDRESS: 371 RAYMOND AVE	ID1: T0605901605
FULLERTON CA 92831	ID2:
ORANGE	STATUS: COMPLETED - CASE CLOSED
CONTACT:	PHONE:
SOURCE: CA SWRCB	

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: FULLERTON, CITY OF
REGIONAL BOARD CASE NUMBER: 083002166T
LOCAL AGENCY: FULLERTON, CITY OF
LOCAL CASE NUMBER:
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Gasoline
POTENTIAL MEDIA AFFECTED: Soil
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 1997-05-05
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Stopped

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Reported

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Discovery

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 48 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 9

NAME: A-1 SAW and TOOL INC
ADDRESS: 1110 TRUSLOW
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000163516
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWM) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 5/21/1996
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: PO BOX 548, PLACENTIA, CA 92871-4626
Owner Name: DAVID BEARD
Owner Address: 1110 E TRUSLOW AVE, FULLERTON, CA 92831-4626
Contact Name: MIKE TROUT
Contact Address: 1110 E TRUSLOW AVE, FULLERTON, CA 92831-4626
Contact Phone: 7149921166

HWM WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
2009 Waste Type:
2009 Total Tonnage:
2008 Waste Type:
2008 Total Tonnage:
2007 Waste Type:
2007 Total Tonnage:
2006 Waste Type:
2006 Total Tonnage:
2005 Waste Type:
2005 Total Tonnage:

HWM WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:
2004 Total Tonnage:
2003 Waste Type:
2003 Total Tonnage:
2002 Waste Type: Other inorganic solid waste
2002 Total Tonnage: 0.23
2001 Waste Type:
2001 Total Tonnage:
2000 Waste Type:
2000 Total Tonnage:

HWM WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:
1999 Total Tonnage:
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type:
1995 Total Tonnage:
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 48	DIST/DIR: 0.00 --	ELEVATION: 166	MAP ID: 9
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NAME: A-1 SAW and TOOL INC
ADDRESS: 1110 TRUSLOW
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000163516
ID2:
STATUS: ACTIVE
PHONE:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 49 **DIST/DIR:** 0.00 -- **ELEVATION:** 165 **MAP ID:** 10

NAME: ACME DOOR CLOSER SERVICE
ADDRESS: 600 SOUTH RAYMOND
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000023015
ID2:
STATUS: ACTIVE
PHONE:

**THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI)
SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :**

Date Record was Created: 11/14/1989
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 600 S RAYMOND AVE, FULLERTON, CA 92831-5029
Owner Name: ELMER REED
Owner Address: 600 S RAYMOND, FULLERTON, CA 92831-0000
Contact Name: ELMER REED OWNER
Contact Address: 600 S RAYMOND, FULLERTON, CA 92831-0000
Contact Phone: 7148714527

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
2009 Waste Type:
2009 Total Tonnage:
2008 Waste Type:
2008 Total Tonnage:
2007 Waste Type:
2007 Total Tonnage:
2006 Waste Type:
2006 Total Tonnage:
2005 Waste Type:
2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:
2004 Total Tonnage:
2003 Waste Type:
2003 Total Tonnage:
2002 Waste Type:
2002 Total Tonnage:
2001 Waste Type:
2001 Total Tonnage:
2000 Waste Type:
2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:
1999 Total Tonnage:
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type:
1995 Total Tonnage:
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 91 of 377
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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 49	DIST/DIR: 0.00 --	ELEVATION: 165	MAP ID: 10
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NAME: ACME DOOR CLOSER SERVICE
ADDRESS: 600 SOUTH RAYMOND
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000023015
ID2:
STATUS: ACTIVE
PHONE:

Environmental FirstSearch

Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 53 **DIST/DIR:** 0.00 -- **ELEVATION:** 165 **MAP ID:** 11

NAME: BAVARIAN AUTOTECH S
ADDRESS: 551 SOUTH RAYMOND
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000021788
ID2:
STATUS: INACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 11/14/1989
Inactivity Date: 10/2/2006
Facility Mail Name:
Facility Mailing Address: 551 S RAYMOND AVE, FULLERTON, CA 92831-5026
Owner Name: MANFRED SEGGER
Owner Address: 551 S RAYMOND AVE, FULLERTON, CA 92831-5026
Contact Name: MANFRED SEGGER
Contact Address: , FULLERTON, CA 92831-5026
Contact Phone: 7148704450

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
2009 Waste Type:
2009 Total Tonnage:
2008 Waste Type:
2008 Total Tonnage:
2007 Waste Type: Unspecified organic liquid mixture
2007 Total Tonnage: 0.47955
2006 Waste Type: Unspecified organic liquid mixture
2006 Total Tonnage: 0.16
2005 Waste Type: Unspecified organic liquid mixture
2005 Total Tonnage: 1.1

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Unspecified organic liquid mixture
2004 Total Tonnage: 1.16
2003 Waste Type: Unspecified organic liquid mixture
2003 Total Tonnage: 1.12
2002 Waste Type: Unspecified organic liquid mixture
2002 Total Tonnage: 0.93
2001 Waste Type: Unspecified organic liquid mixture
2001 Total Tonnage: 1
2000 Waste Type: Unspecified organic liquid mixture
2000 Total Tonnage: 0.91

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type: Unspecified organic liquid mixture
1999 Total Tonnage: 0.8339
1998 Waste Type: Unspecified organic liquid mixture
1998 Total Tonnage: 1.1675
1997 Waste Type: Unspecified organic liquid mixture
1997 Total Tonnage: 1.1259
1996 Waste Type: Unspecified organic liquid mixture
1996 Total Tonnage: 0.9799
1995 Waste Type: Unspecified organic liquid mixture
1995 Total Tonnage: 0.859
1994 Waste Type: Unspecified aqueous solution
1994 Total Tonnage: 0.4587
1993 Waste Type: Unspecified aqueous solution
1993 Total Tonnage: 0.2293

Orange County Transportation Authority

EXHIBIT K Page 93 of 377
- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 53	DIST/DIR: 0.00 --	ELEVATION: 165	MAP ID: 11
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NAME: BAVARIAN AUTOTECH S
ADDRESS: 551 SOUTH RAYMOND
FULLERTON CA 92631
ORANGE

REV: 02/19/10
ID1: CAL000021788
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 52 **DIST/DIR:** 0.00 -- **ELEVATION:** 165 **MAP ID:** 11

NAME:	BAVARIAN AUTO TECH	REV:	02/19/10
ADDRESS:	551 SOUTH RAYMOND AVE	ID1:	CAL000017247
	FULLERTON CA 92831	ID2:	
	ORANGE	STATUS:	ACTIVE
CONTACT:		PHONE:	
SOURCE:	CA DTSC		

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 11/14/1989

Inactivity Date:

Facility Mail Name:

Facility Mailing Address: 551 S RAYMOND AVE, FULLERTON, CA 92831-5026

Owner Name: SEGGER M OR NIKITSCHKE

Owner Address: 551 S RAYMOND AVE, FULLERTON, CA 92831-5026

Contact Name: JOHANN NIKITSCHER

Contact Address: 5465 LOS MONTEROS, YORBA LINDA, CA 92887-5110

Contact Phone: 7148704450

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:

2009 Waste Type:

2009 Total Tonnage:

2008 Waste Type:

2008 Total Tonnage:

2007 Waste Type:

2007 Total Tonnage:

2006 Waste Type:

2006 Total Tonnage:

2005 Waste Type:

2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:

2004 Total Tonnage:

2003 Waste Type:

2003 Total Tonnage:

2002 Waste Type:

2002 Total Tonnage:

2001 Waste Type:

2001 Total Tonnage:

2000 Waste Type:

2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:

1999 Total Tonnage:

1998 Waste Type:

1998 Total Tonnage:

1997 Waste Type:

1997 Total Tonnage:

1996 Waste Type:

1996 Total Tonnage:

1995 Waste Type:

1995 Total Tonnage:

1994 Waste Type:

1994 Total Tonnage:

1993 Waste Type:

1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 95 of 377
- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 52	DIST/DIR: 0.00 --	ELEVATION: 165	MAP ID: 11
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NAME: BAVARIAN AUTO TECH
ADDRESS: 551 SOUTH RAYMOND AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000017247
ID2:
STATUS: ACTIVE
PHONE:

Environmental FirstSearch

Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 87 **DIST/DIR:** 0.00 -- **ELEVATION:** 169 **MAP ID:** 12

NAME: TOPLINE PAINT and BODY INC
ADDRESS: 500 SOUTH RAYMOND STE AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000224609
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 11/8/2000
Inactivity Date: 6/30/2006 10:14:52 AM
Facility Mail Name:
Facility Mailing Address: 500 S RAYMOND AVE STE I, FULLERTON, CA 92831-5002
Owner Name: TOP LINE PAINT and BODY INC
Owner Address: 500 S RAYMOND AVE STE I, FULLERTON, CA 92831-5002
Contact Name: LUIS MONTELLANO, PRES
Contact Address: 500 S RAYMOND AVE STE I, FULLERTON, CA 92831-5002
Contact Phone: 7144410505

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
2009 Waste Type:
2009 Total Tonnage:
2008 Waste Type: Other organic solids
2008 Total Tonnage: 0.15
2007 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2007 Total Tonnage: 0.321
2006 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2006 Total Tonnage: 0.03
2005 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2005 Total Tonnage: 0.14

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2004 Total Tonnage: 0.26
2003 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2003 Total Tonnage: 0.28
2002 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2002 Total Tonnage: 0.28
2001 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2001 Total Tonnage: 0.44
2000 Waste Type:
2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:
1999 Total Tonnage:
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type:
1995 Total Tonnage:
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 97 of 377
- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 87	DIST/DIR: 0.00 --	ELEVATION: 169	MAP ID: 12
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NAME: TOPLINE PAINT and BODY INC
ADDRESS: 500 SOUTH RAYMOND STE AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000224609
ID2:
STATUS: INACTIVE
PHONE:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 88	DIST/DIR: 0.00 --	ELEVATION: 169	MAP ID: 12
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NAME: TOPS AUTO BODY ADDRESS: 500 SOUTH RAYMOND UNIT AVE FULLERTON CA 92831 ORANGE CONTACT: SOURCE: CA DTSC	REV: 02/19/10 ID1: CAL000291186 ID2: STATUS: ACTIVE PHONE:
--	---

DETAILS NOT AVAILABLE

Environmental FirstSearch

Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 55 **DIST/DIR:** 0.00 -- **ELEVATION:** 169 **MAP ID:** 12

NAME: BETO S PAINT and BODY INC
ADDRESS: 500 SOUTH RAYMOND STE AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000223437
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 5/22/2001
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 500 S RAYMOND AVE STE D, FULLERTON, CA 92831-0000
Owner Name: BETO CERDA
Owner Address: 500 S RAYMOND AVE STE D, FULLERTON, CA 92831-0000
Contact Name: BETO CERDA
Contact Address: 500 S RAYMOND AVE STE D, FULLERTON, CA 92831-0000
Contact Phone: 7144478371

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
2009 Waste Type:
2009 Total Tonnage:
2008 Waste Type: Other organic solids
2008 Total Tonnage: 0.15
2007 Waste Type: Other organic solids
2007 Total Tonnage: 0.05
2006 Waste Type: Other organic solids
2006 Total Tonnage:
2005 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2005 Total Tonnage: 0.22

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2004 Total Tonnage: 0.53
2003 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2003 Total Tonnage: 0.43
2002 Waste Type: Unspecified solvent mixture
2002 Total Tonnage: 0.12
2001 Waste Type:
2001 Total Tonnage:
2000 Waste Type:
2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:
1999 Total Tonnage:
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type:
1995 Total Tonnage:
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

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- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 55	DIST/DIR: 0.00 --	ELEVATION: 169	MAP ID: 12
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NAME: BETO S PAINT and BODY INC
ADDRESS: 500 SOUTH RAYMOND STE AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000223437
ID2:
STATUS: ACTIVE
PHONE:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 86 **DIST/DIR:** 0.00 -- **ELEVATION:** 169 **MAP ID:** 12

NAME: TOP AUTO REPAIR
ADDRESS: 500 SOUTH RAYMOND AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000284590
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

HWMANIFEST

SEARCH ID: 89 **DIST/DIR:** 0.00 -- **ELEVATION:** 169 **MAP ID:** 12

NAME: TURY Z CONCEPTS INC
ADDRESS: 500 SOUTH RAYMOND STE AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000277560
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

Environmental FirstSearch

Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 63 **DIST/DIR:** 0.00 -- **ELEVATION:** 165 **MAP ID:** 13

NAME: E.J. WHITNEY CO INC **REV:** 02/19/10
ADDRESS: 529 SOUTH RAYMOND AVE **ID1:** CAL000089845
FULLERTON CA 92631 **ID2:**
ORANGE **STATUS:** ACTIVE
CONTACT: **PHONE:**
SOURCE: CA DTSC

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 6/3/1993
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 529 S RAYMOND AVE, FULLERTON, CA 92831-0000
Owner Name: THOMAS E WHITNEY
Owner Address: 133 E MADISON, PLACENTIA, CA 92870-0000
Contact Name: TOM WHITNEY-OWNER
Contact Address: 133 E MADISON, PLACENTIA, CA 92870-0000
Contact Phone: 7147731611

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
2009 Waste Type:
2009 Total Tonnage:
2008 Waste Type: Off-specification, aged or surplus organics
2008 Total Tonnage: 0.0825
2007 Waste Type: Unspecified solvent mixture
2007 Total Tonnage: 0.1668
2006 Waste Type:
2006 Total Tonnage:
2005 Waste Type: Unspecified solvent mixture
2005 Total Tonnage: 0.08

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Unspecified solvent mixture
2004 Total Tonnage: 0.16
2003 Waste Type: Unspecified solvent mixture
2003 Total Tonnage: 0.16
2002 Waste Type: Unspecified solvent mixture
2002 Total Tonnage: 0.14
2001 Waste Type: Unspecified solvent mixture
2001 Total Tonnage: 0.12
2000 Waste Type: Invalid waste code
2000 Total Tonnage: 0.14

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type: Unspecified solvent mixture
1999 Total Tonnage: 0.2293
1998 Waste Type: Unspecified solvent mixture
1998 Total Tonnage: 0.2293
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type: Unspecified solvent mixture
1996 Total Tonnage: 0.1251
1995 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
1995 Total Tonnage: 0.2293
1994 Waste Type: Unspecified solvent mixture
1994 Total Tonnage: 0.2293
1993 Waste Type: Unspecified solvent mixture
1993 Total Tonnage: 0.2293

Orange County Transportation Authority

EXHIBIT K Page 103 of 377
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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 63	DIST/DIR: 0.00 --	ELEVATION: 165	MAP ID: 13
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NAME: E.J. WHITNEY CO INC
ADDRESS: 529 SOUTH RAYMOND AVE
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000089845
ID2:
STATUS: ACTIVE
PHONE:

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 65 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 14

NAME:	FULLER LABORATORIES	REV:	02/19/10
ADDRESS:	1135 EAST TRUSLOW AVE FULLERTON CA 92831 ORANGE	ID1:	CAL000224897
		ID2:	
CONTACT:		STATUS:	INACTIVE
SOURCE:	CA DTSC	PHONE:	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	7/11/2001
Inactivity Date:	6/30/2006 10:14:52 AM
Facility Mail Name:	
Facility Mailing Address:	1135 E TRUSLOW AVE, FULLERTON, CA 92831-0000
Owner Name:	FULLER LABORATORIES INC
Owner Address:	1135 E TRUSLOW AVE, FULLERTON, CA 92831-0000
Contact Name:	LYNN FULLER
Contact Address:	1135 E TRUSLOW AVE, FULLERTON, CA 92831-0000
Contact Phone:	7145257660

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
2009 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2009 Total Tonnage:	0.198
2008 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2008 Total Tonnage:	0.198
2007 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2007 Total Tonnage:	0.2502
2006 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2006 Total Tonnage:	0.12
2005 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2005 Total Tonnage:	0.12

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2004 Total Tonnage:	0.12
2003 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2003 Total Tonnage:	0.25
2002 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2002 Total Tonnage:	0.18
2001 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2001 Total Tonnage:	0.1
2000 Waste Type:	
2000 Total Tonnage:	

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:	
1999 Total Tonnage:	
1998 Waste Type:	
1998 Total Tonnage:	
1997 Waste Type:	
1997 Total Tonnage:	
1996 Waste Type:	
1996 Total Tonnage:	
1995 Waste Type:	
1995 Total Tonnage:	
1994 Waste Type:	
1994 Total Tonnage:	
1993 Waste Type:	
1993 Total Tonnage:	

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 65	DIST/DIR: 0.00 --	ELEVATION: 166	MAP ID: 14
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NAME: FULLER LABORATORIES
ADDRESS: 1135 EAST TRUSLOW AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000224897
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

Environmental FirstSearch

Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 66 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 15

NAME: GOLDEN WEST TECHNOLOGY **REV:** 02/19/10
ADDRESS: 1178 EAST VALENCIA DR **ID1:** CAL000001710
FULLERTON CA 92831 **ID2:**
ORANGE **STATUS:** ACTIVE
CONTACT: **PHONE:**
SOURCE: CA DTSC

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 8/3/1993
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 1180 E VALENCIA DR, FULLERTON, CA 92831-4627
Owner Name: DAN P RIETH
Owner Address: 1180 E VALENCIA DR, FULLERTON, CA 92631-0000
Contact Name: DAN P RIETH PRES
Contact Address: 1180 E VALENCIA, FULLERTON, CA 92631-0000
Contact Phone: 7147383775

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type: METALS RECOVERY INCLUDING RETORING, SMELTING, CHEMICALS, ECT
2009 Waste Type: Other inorganic solid waste
2009 Total Tonnage: 0.1935
2008 Waste Type:
2008 Total Tonnage:
2007 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2007 Total Tonnage: 0.2
2006 Waste Type:
2006 Total Tonnage:
2005 Waste Type: Off-specification, aged or surplus organics
2005 Total Tonnage: 0.22

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Unspecified solvent mixture
2004 Total Tonnage: 0.45
2003 Waste Type: Off-specification, aged or surplus organics
2003 Total Tonnage: 0.22
2002 Waste Type: Other inorganic solid waste
2002 Total Tonnage: 0.7
2001 Waste Type: Unspecified solvent mixture
2001 Total Tonnage: 0.22
2000 Waste Type: Unspecified solvent mixture
2000 Total Tonnage: 0.22

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type: Other inorganic solid waste
1999 Total Tonnage: 0.21
1998 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
1998 Total Tonnage: 0.2251
1997 Waste Type: Other inorganic solid waste
1997 Total Tonnage: 0.2575
1996 Waste Type: Other inorganic solid waste
1996 Total Tonnage: 0.235
1995 Waste Type: Other inorganic solid waste
1995 Total Tonnage: 0.6612
1994 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
1994 Total Tonnage: 0.2168
1993 Waste Type: Other inorganic solid waste
1993 Total Tonnage: 0.15

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 66	DIST/DIR: 0.00 --	ELEVATION: 166	MAP ID: 15
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NAME: GOLDEN WEST TECHNOLOGY
ADDRESS: 1178 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000001710
ID2:
STATUS: ACTIVE
PHONE:

Environmental FirstSearch ***Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 68 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 16

NAME:	JERRY ROSE CO	REV:	02/19/10
ADDRESS:	1125 EAST TRUSLOW AVE FULLERTON CA 92631 ORANGE	ID1:	CAL000174458
CONTACT:		ID2:	
SOURCE:	CA DTSC	STATUS:	ACTIVE
		PHONE:	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 1/31/1996

Inactivity Date:

Facility Mail Name:

Facility Mailing Address: 1125 E TRUSLOW AVE, FULLERTON, CA 92831-0000

Owner Name: JERRY ROSE/PRES

Owner Address: , ,

Contact Name: JERRY

Contact Address: , ,

Contact Phone: 7145259165

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID
2009 Waste Type:	REGENERATION, ORGANICS RECOVERY ECT
2009 Total Tonnage:	Unspecified oil-containing waste
2008 Waste Type:	0.52125
2008 Total Tonnage:	Unspecified oil-containing waste
2007 Waste Type:	0.6255
2007 Total Tonnage:	Unspecified oil-containing waste
2006 Waste Type:	0.4587
2006 Total Tonnage:	Unspecified oil-containing waste
2005 Waste Type:	0.83
2005 Total Tonnage:	Unspecified oil-containing waste
	0.77

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:	Unspecified oil-containing waste
2004 Total Tonnage:	0.6
2003 Waste Type:	Unspecified oil-containing waste
2003 Total Tonnage:	0.83
2002 Waste Type:	
2002 Total Tonnage:	
2001 Waste Type:	
2001 Total Tonnage:	
2000 Waste Type:	
2000 Total Tonnage:	

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:	
1999 Total Tonnage:	
1998 Waste Type:	
1998 Total Tonnage:	
1997 Waste Type:	
1997 Total Tonnage:	
1996 Waste Type:	Unspecified oil-containing waste
1996 Total Tonnage:	0.6672
1995 Waste Type:	
1995 Total Tonnage:	
1994 Waste Type:	
1994 Total Tonnage:	
1993 Waste Type:	
1993 Total Tonnage:	

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 68	DIST/DIR: 0.00 --	ELEVATION: 166	MAP ID: 16
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NAME: JERRY ROSE CO
ADDRESS: 1125 EAST TRUSLOW AVE
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000174458
ID2:
STATUS: ACTIVE
PHONE:

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 69 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 17

NAME: KMP ENGINEERING CONTRACTORS INC
ADDRESS: 1164 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000273888
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

HWMANIFEST

SEARCH ID: 80 **DIST/DIR:** 0.00 -- **ELEVATION:** 165 **MAP ID:** 18

NAME: SHARK ATTACK GRAPHICS
ADDRESS: 1120 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000308198
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

Environmental FirstSearch

Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 85 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 19

NAME: TIME BUSINESS FORMS INC
ADDRESS: 1146 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000182519
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 12/8/1999

Inactivity Date:

Facility Mail Name:

Facility Mailing Address:

1146 E VALENCIA DR, FULLERTON, CA 92831-4627

Owner Name:

TIME BUSINESS FORMS INC

Owner Address:

1146 E VALENCIA DR, FULLERTON, CA 92831-4627

Contact Name:

JIM THURSTON/PRESIDENT

Contact Address:

1146 E VALENCIA DR, FULLERTON, CA 92831-4627

Contact Phone:

7148711893

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY
(H010-H129) OR (H131-H135)

2009 Waste Type: Aqueous solution with total organic residues less than 10 percent

2009 Total Tonnage: 0.126

2008 Waste Type: Aqueous solution with total organic residues less than 10 percent

2008 Total Tonnage: 0.2688

2007 Waste Type: Aqueous solution with total organic residues less than 10 percent

2007 Total Tonnage: 0.23352

2006 Waste Type: Aqueous solution with total organic residues less than 10 percent

2006 Total Tonnage: 0.09

2005 Waste Type: Aqueous solution with total organic residues less than 10 percent

2005 Total Tonnage: 0.28

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:

2004 Total Tonnage:

2003 Waste Type:

2003 Total Tonnage:

2002 Waste Type:

2002 Total Tonnage:

2001 Waste Type:

Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)

2001 Total Tonnage: 0.11

2000 Waste Type:

Oil/water separation sludge

2000 Total Tonnage: 0.06

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:

1999 Total Tonnage:

1998 Waste Type:

1998 Total Tonnage:

1997 Waste Type:

1997 Total Tonnage:

1996 Waste Type:

1996 Total Tonnage:

1995 Waste Type:

1995 Total Tonnage:

1994 Waste Type:

1994 Total Tonnage:

1993 Waste Type:

1993 Total Tonnage:

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 85	DIST/DIR: 0.00 --	ELEVATION: 166	MAP ID: 19
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NAME: TIME BUSINESS FORMS INC
ADDRESS: 1146 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000182519
ID2:
STATUS: ACTIVE
PHONE:

*Environmental FirstSearch
Site Detail Report***Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

HWMANIFEST

SEARCH ID: 90 **DIST/DIR:** 0.00 -- **ELEVATION:** 166 **MAP ID:** 20**NAME:** UNIT INDUSTRIES INC
ADDRESS: 1140 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000309509
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

HWMANIFEST

SEARCH ID: 58 **DIST/DIR:** 0.01 SE **ELEVATION:** 165 **MAP ID:** 21**NAME:** CCJ CORP
ADDRESS: 602 SOUTH RAYMOND AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000260864
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

HWMANIFEST

SEARCH ID: 71 **DIST/DIR:** 0.01 SE **ELEVATION:** 165 **MAP ID:** 22**NAME:** LONE STAR TERMITE AND PEST CONTROL INC
ADDRESS: 606 SOUTH RAYMOND AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000290947
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

Environmental FirstSearch

Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 75 **DIST/DIR:** 0.01 SE **ELEVATION:** 166 **MAP ID:** 23

NAME: RAYMAC GRINDING CO **REV:** 02/19/10
ADDRESS: 1207 EAST ASH AVE **ID1:** CAL000070279
FULLERTON CA 92831 **ID2:**
ORANGE **STATUS:** ACTIVE
CONTACT: **PHONE:**
SOURCE: CA DTSC

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 3/11/1992
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 1207 E ASH AVE, FULLERTON, CA 92831-5019
Owner Name: JOHNNY MARTINEZ SR.
Owner Address: 1207 E ASH AVE, FULLERTON, CA 92831-0000
Contact Name: JOHNNY MARTINEZ SR. PRES.
Contact Address: 1207 E ASH AVE, FULLERTON, CA 92831-0000
Contact Phone: 7145257793

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type: OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID
REGENERATION, ORGANICS RECOVERY ECT
2009 Waste Type: Unspecified oil-containing waste
2009 Total Tonnage: 1.14675
2008 Waste Type: Unspecified oil-containing waste
2008 Total Tonnage: 2.60625
2007 Waste Type: Unspecified oil-containing waste
2007 Total Tonnage: 0.35445
2006 Waste Type: Unspecified oil-containing waste
2006 Total Tonnage: 1.14
2005 Waste Type: Unspecified oil-containing waste
2005 Total Tonnage: 1.35

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:
2004 Total Tonnage:
2003 Waste Type: Unspecified oil-containing waste
2003 Total Tonnage: 3.5
2002 Waste Type: Unspecified oil-containing waste
2002 Total Tonnage: 5.37
2001 Waste Type:
2001 Total Tonnage:
2000 Waste Type:
2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:
1999 Total Tonnage:
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type: Other inorganic solid waste
1995 Total Tonnage: 0.7
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type: Unspecified oil-containing waste
1993 Total Tonnage: 0.5

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 75	DIST/DIR: 0.01 SE	ELEVATION: 166	MAP ID: 23
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NAME: RAYMAC GRINDING CO
ADDRESS: 1207 EAST ASH AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000070279
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 64	DIST/DIR: 0.02 SE	ELEVATION: 170	MAP ID: 24
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NAME: FBI EXPRESS INC
ADDRESS: 1250 EAST WALNUT AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000302246
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

DETAILS NOT AVAILABLE

Environmental FirstSearch

Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 92 **DIST/DIR:** 0.02 SE **ELEVATION:** 170 **MAP ID:** 24

NAME: US DELIVERY **REV:** 02/19/10
ADDRESS: 1250 EAST WALNUT AVE **ID1:** CAL000017265
FULLERTON CA 92831 **ID2:**
ORANGE **STATUS:** INACTIVE
CONTACT: **PHONE:**
SOURCE: CA DTSC

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI)
SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 11/14/1989
Inactivity Date: 12/15/2004
Facility Mail Name: DO NOT USE, INACTIVE NUMBER
Facility Mailing Address: 1250 E WALNUT AVE, FULLERTON, CA 92831-4746
Owner Name: J WHITE INC
Owner Address: 1250 E WALNUT AVE, FULLERTON, CA 92831-4746
Contact Name: JUDY A WHITE-PRESIDENT
Contact Address: 1250 E WALNUT AVE, FULLERTON, CA 92831-4746
Contact Phone: 7147387888

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
2009 Waste Type:
2009 Total Tonnage:
2008 Waste Type:
2008 Total Tonnage:
2007 Waste Type: Oil/water separation sludge
2007 Total Tonnage: 3.1275
2006 Waste Type: Oil/water separation sludge
2006 Total Tonnage: 1.75
2005 Waste Type:
2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:
2004 Total Tonnage:
2003 Waste Type: Oil/water separation sludge
2003 Total Tonnage: 0.39
2002 Waste Type:
2002 Total Tonnage:
2001 Waste Type:
2001 Total Tonnage:
2000 Waste Type:
2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:
1999 Total Tonnage:
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type:
1995 Total Tonnage:
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 118 of 377
- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 92	DIST/DIR: 0.02 SE	ELEVATION: 170	MAP ID: 24
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NAME: US DELIVERY
ADDRESS: 1250 EAST WALNUT AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000017265
ID2:
STATUS: INACTIVE
PHONE:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRANLR

SEARCH ID: 27 **DIST/DIR:** 0.03 SE **ELEVATION:** 170 **MAP ID:** 25

NAME: MONOGRAM SYSTEMS
ADDRESS: 1300 VALENCIA DR
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: EPA

REV: 2/16/10
ID1: CAD009608894
ID2:
STATUS: NLR
PHONE:

SITE INFORMATION

UNIVERSE INFORMATION:

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA:	N - NO
SUBJCA TSD 3004:	N - NO
SUBJCA NON TSD:	N - NO
SIGNIFICANT NON-COMPLIANCE(SNC):	N - NO
BEGINNING OF THE YEAR SNC:	
PERMIT WORKLOAD:	----
CLOSURE WORKLOAD:	----
POST CLOSURE WORKLOAD:	----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:	----
CORRECTIVE ACTION WORKLOAD:	N - NO
GENERATOR STATUS:	SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000
KG/MONTH OF HAZARDOUS WASTE	
INSTITUTIONAL CONTROL:	N
HUMAN EXPOSURE:	
GW CONTROLS:	
LAND TYPE:	

NAIC INFORMATION

336413 - OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING
339992 - MUSICAL INSTRUMENT MANUFACTURING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

VIOLATION NUMBER:	5001	RESPONSIBLE:	S - STATE
DETERMINED:	93/11/1993	DETERMINED BY:	S - STATE
CITATION:		RESOLVED:	98/11/1998
TYPE:	GENERATORS - GENERAL		

HAZARDOUS WASTE INFORMATION:

D001 - IGNITABLE WASTE
D002 - CORROSIVE WASTE

Environmental FirstSearch
Site Detail Report**Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

SPILLS

SEARCH ID: 34 **DIST/DIR:** 0.03 SE **ELEVATION:** 170 **MAP ID:** 25**NAME:** WEYERHAESER COMPANY
ADDRESS: 1300 EAST VALENCIA AVE
FULLERTON CA**REV:** 06/22/10
ID1: G_SLT8R2264004
ID2:
STATUS: COMPLETED - CASE CLOSED
PHONE:**CONTACT:**
SOURCE: CA SWRCB**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD GEOTRACKER SLIC DATABASE**

Please note that some SLIC data previously provided by the State Water Resources Control Board via the Regional Boards is not currently provided by the agency in the new GEOTRACKER format. To ensure that our data is as complete as possible we have retained the original Regional Boards SLIC records as well as loaded all GEOTRACKER SLIC listings. GEOTRACKER records are distinguished by an initial G at the start of the ID.

LEAD AGENCY: SANTA ANA RWQCB (REGION 8)**REGIONAL BOARD CASE NUMBER:** SLT8R226**LOCAL AGENCY:****LOCAL CASE NUMBER:****CASE TYPE:** Cleanup Program Site**STATUS:** Completed - Case Closed**STATUS DATE:** 2003-12-02**POTENTIAL CONTAMINANTS OF CONCERN:****POTENTIAL MEDIA AFFECTED:****SITE HISTORY (blank if not reported):****ACTION TYPE (blank if not reported):** Other**DATE (blank if not reported):** 1950-01-01**ACTION (blank if not reported):** Leak Reported**CONTACT TYPE:** Regional Board Caseworker**CONTACT NAME:** MANECK G. CHICHGAR**ORGANIZATION NAME:** SANTA ANA RWQCB (REGION 8)**CONTACT ADDRESS:** 3737 MAIN STREET, Suite 500**CONTACT CITY:** RIVERSIDE**CONTACT EMAIL:** mchichgar.waterboards.ca.gov**CONTACT PHONE NUMBER:**

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

SPILLS

SEARCH ID: 31 **DIST/DIR:** 0.03 SE **ELEVATION:** 170 **MAP ID:** 25

NAME: WEBER AIRCRAFT FACILITY ADDRESS: 1300 E VALENCIA DR FULLERTON CA ORANGE CONTACT: SOURCE: CA EPA	REV: 07/01/2003 ID1: SLC8_323 ID2: STATUS: ADDITIONAL CHARACTERIZATION PHONE:
--	--

Lead Agency: Program: Case Type: Status: Substance: Comments: Thomas Brothers Guide Location:	REGIONAL BOARD SLIC SOIL AND GROUNDWATER ADDITIONAL CHARACTERIZATION PCE
--	--

SPILLS

SEARCH ID: 33 **DIST/DIR:** 0.03 SE **ELEVATION:** 170 **MAP ID:** 25

NAME: WEYERHAESER COMPANY ADDRESS: 1300 E VALENCIA AVE FULLERTON CA ORANGE CONTACT: SOURCE: CA EPA	REV: 07/01/2003 ID1: SLC8_110 ID2: STATUS: CLOSED PHONE:
---	---

Lead Agency: Program: Case Type: Status: Substance: Comments: Thomas Brothers Guide Location:	REGIONAL BOARD SLIC SOIL AND GROUNDWATER CLOSED PCE,TCE SEVERAL SITE INVESTIGATIONS COMPLETED. INVESTIGATING GROUNDWATER IMPACTS BY HYDRO-PUNCH. VACANT LOT FOR SALE. 739-A7
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***Environmental FirstSearch
Site Detail Report*****Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

RCRAGN

SEARCH ID: 15 **DIST/DIR:** 0.03 SE **ELEVATION:** 170 **MAP ID:** 25**NAME:** MONOGRAM SYSTEMS
ADDRESS: 1300 VALENCIA DR
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: EPA**REV:** 7/14/10
ID1: CAD009608894
ID2:
STATUS: SGN
PHONE:**SITE INFORMATION****CONTACT INFORMATION:** ENVIRONMENTAL MANAGER
1300 E VALENCIA DR
FULLERTON CA 92631**PHONE:****CONTACT INFORMATION:** FRED HARDINGER
P O BOX 34099
FULLERTON CA 928349402**PHONE:** 7144493104**UNIVERSE INFORMATION:****NAIC INFORMATION**336413 - OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING
336413 - OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING
336413 - OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING
339992 - MUSICAL INSTRUMENT MANUFACTURING**ENFORCEMENT INFORMATION:****VIOLATION INFORMATION:****VIOLATION NUMBER:** 0001 **RESPONSIBLE:** B - STATE CONTRACTOR
DETERMINED: 2/11/1993 **DETERMINED BY:** B - STATE CONTRACTOR
CITATION: 262.10-12.A
RESOLVED: 2/11/1998
TYPE: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)**HAZARDOUS WASTE INFORMATION:**Corrosive waste
Ignitable waste

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

SPILLS

SEARCH ID: 32 **DIST/DIR:** 0.03 SE **ELEVATION:** 170 **MAP ID:** 25

NAME: WEBER AIRCRAFT FACILITY FORMER
ADDRESS: 1300 EAST VALENCIA DR
FULLERTON CA

REV: 06/22/10
ID1: G_SL605992769
ID2:
STATUS: COMPLETED - CASE CLOSED
PHONE:

CONTACT:
SOURCE: CA SWRCB

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD GEOTRACKER SLIC DATABASE

Please note that some SLIC data previously provided by the State Water Resources Control Board via the Regional Boards is not currently provided by the agency in the new GEOTRACKER format. To ensure that our data is as complete as possible we have retained the original Regional Boards SLIC records as well as loaded all GEOTRACKER SLIC listings. GEOTRACKER records are distinguished by an initial G at the start of the ID.

LEAD AGENCY: SANTA ANA RWQCB (REGION 8)

REGIONAL BOARD CASE NUMBER:

LOCAL AGENCY:

LOCAL CASE NUMBER:

CASE TYPE: Cleanup Program Site

STATUS: Completed - Case Closed

STATUS DATE: 2003-12-02

POTENTIAL CONTAMINANTS OF CONCERN:

POTENTIAL MEDIA AFFECTED:

SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): ENFORCEMENT

DATE (blank if not reported): 2003-12-02

ACTION (blank if not reported): Closure/No Further Action Letter

ACTION TYPE (blank if not reported): ENFORCEMENT

DATE (blank if not reported): 2003-12-02

ACTION (blank if not reported): Closure/No Further Action Letter

CONTACT TYPE: Regional Board Caseworker

CONTACT NAME: KAMRON SAREMI

ORGANIZATION NAME: SANTA ANA RWQCB (REGION 8)

CONTACT ADDRESS: 3737 MAIN STREET, SUITE 500

CONTACT CITY: RIVERSIDE

CONTACT EMAIL: ksaremi.waterboards.ca.gov

CONTACT PHONE NUMBER: 9517824130

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 18 **DIST/DIR:** 0.03 SW **ELEVATION:** 162 **MAP ID:** 26

NAME: RELIANCE PLATING AND COATING INC
ADDRESS: 1151 E ASH AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAR000167874
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: KETAN CHOKSHI
1151 E ASH AVE
FULLERTON CA 92831

PHONE: 714-992-4000

UNIVERSE INFORMATION:

NAIC INFORMATION

332813 - ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

Corrosive waste

Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel;

***Environmental FirstSearch
Site Detail Report*****Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

HWMANIFEST

SEARCH ID: 54 **DIST/DIR:** 0.03 SE **ELEVATION:** 167 **MAP ID:** 27**NAME:** BC2 ENVIRONMENTAL CORPORATION
ADDRESS: 1212 EAST ASH AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000259214
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

HWMANIFEST

SEARCH ID: 91 **DIST/DIR:** 0.03 SE **ELEVATION:** 165 **MAP ID:** 28**NAME:** UNITED STATES SPRING and STAMPING CO INC
ADDRESS: 615 SOUTH RAYMOND AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000316333
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

***Environmental FirstSearch
Site Detail Report*****Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

RCRAGN

SEARCH ID: 4 **DIST/DIR:** 0.04 NW **ELEVATION:** 164 **MAP ID:** 29**NAME:** C AND C MACHINE
ADDRESS: 1101 E TRUSLOW AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA**REV:** 7/14/10
ID1: CAD983651647
ID2:
STATUS: SGN
PHONE:**SITE INFORMATION****CONTACT INFORMATION:** RICHARD CHARRON
1101 E TRUSLOW AVE
FULLERTON CA 92631**PHONE:** 7146806076**UNIVERSE INFORMATION:****NAIC INFORMATION****ENFORCEMENT INFORMATION:****VIOLATION INFORMATION:**

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 28	DIST/DIR: 0.04 SW	ELEVATION: 163	MAP ID: 30
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NAME: ARROW PRECISION (C. COSEK)
ADDRESS: ARROW PRECISION (C. COSEK)
FULLERTON CA 92631
Orange

REV: 01-04-01
ID1: 16779
ID2:
STATUS: UNKNOWN
PHONE:

CONTACT:

SOURCE: EPA

THERE ARE NO DETAILS AVAILABLE FOR THIS SITE

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 44 **DIST/DIR:** 0.05 SW **ELEVATION:** 162 **MAP ID:** 31

NAME: SUPERIOR WHOLESALE
ADDRESS: 1141 ASH
FULLERTON CA 92633
ORANGE
CONTACT:
SOURCE: CA SWRCB

REV: 06/22/10
ID1: T0605900533
ID2:
STATUS: COMPLETED - CASE CLOSED
PHONE:

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: ORANGE COUNTY LOP
REGIONAL BOARD CASE NUMBER: 083000673T
LOCAL AGENCY: ORANGE COUNTY LOP
LOCAL CASE NUMBER: 87UT187
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Other Chlorinated Hydrocarbons
POTENTIAL MEDIA AFFECTED: Under Investigation
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 1987-11-12
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 72	DIST/DIR: 0.05 SW	ELEVATION: 162	MAP ID: 32
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NAME: MAGTECH and POWER CONVERSION INC
ADDRESS: 1146 EAST ASH AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000288535
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

Environmental FirstSearch ***Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 51 **DIST/DIR:** 0.06 SE **ELEVATION:** 166 **MAP ID:** 33

NAME:	AMERICOLD LOGISTICS	REV:	02/19/10
ADDRESS:	700 SOUTH RAYMOND AVE FULLERTON CA 92831 ORANGE	ID1:	CAL000135894
		ID2:	
CONTACT:		STATUS:	ACTIVE
SOURCE:	CA DTSC	PHONE:	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 7/1/1997

Inactivity Date:

Facility Mail Name:

Facility Mailing Address: 700 S RAYMOND AVE, FULLERTON, CA 92831

Owner Name: AMERICOLD LOGISTICS INC

Owner Address: 10 GLENLAKE PARKWAY STE 800, ATLANTA, GA 32328

Contact Name: JOEL RALLO

Contact Address: 700 S RAYMOND AVE, FULLERTON, CA 92831

Contact Phone: 7144498820

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)

2009 Waste Type: Other inorganic solid waste

2009 Total Tonnage: 0.1

2008 Waste Type: Aqueous solution with total organic residues less than 10 percent

2008 Total Tonnage: 0.4116

2007 Waste Type: Aqueous solution with total organic residues less than 10 percent

2007 Total Tonnage: 0.51291

2006 Waste Type: Aqueous solution with total organic residues less than 10 percent

2006 Total Tonnage: 0.08

2005 Waste Type: Aqueous solution with total organic residues less than 10 percent

2005 Total Tonnage: 0.27

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Aqueous solution with total organic residues less than 10 percent

2004 Total Tonnage: 0.05

2003 Waste Type:

2003 Total Tonnage:

2002 Waste Type: Aqueous solution with total organic residues less than 10 percent

2002 Total Tonnage: 0.04

2001 Waste Type: Aqueous solution with total organic residues less than 10 percent

2001 Total Tonnage: 0.38

2000 Waste Type: Aqueous solution with total organic residues less than 10 percent

2000 Total Tonnage: 0.3

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type: Aqueous solution with total organic residues less than 10 percent

1999 Total Tonnage: 0.4749

1998 Waste Type: Aqueous solution with total organic residues less than 10 percent

1998 Total Tonnage: 0.0667

1997 Waste Type:

1997 Total Tonnage:

1996 Waste Type:

1996 Total Tonnage:

1995 Waste Type:

1995 Total Tonnage:

1994 Waste Type:

1994 Total Tonnage:

1993 Waste Type:

1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 131 of 377
- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 51	DIST/DIR: 0.06 SE	ELEVATION: 166	MAP ID: 33
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NAME: AMERICOLD LOGISTICS
ADDRESS: 700 SOUTH RAYMOND AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000135894
ID2:
STATUS: ACTIVE
PHONE:

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 78 **DIST/DIR:** 0.06 SE **ELEVATION:** 168 **MAP ID:** 34

NAME: SANTANA SERVICES
ADDRESS: 1224 EAST ASH AVE
 FULLERTON CA 92831
 ORANGE

REV: 02/19/10
ID1: CAL000196840
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 1/20/1999

Inactivity Date:

Facility Mail Name:

Facility Mailing Address: 1224 E ASH AVE, FULLERTON, CA 92831-0000

Owner Name: EDWARD SANTANA

Owner Address: 1224 E ASH AVE, FULLERTON, CA 92831-0000

Contact Name: EDWARD SANTANA

Contact Address: 1224 E ASH AVE, FULLERTON, CA 92831-0000

Contact Phone: 7147734700

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:

2009 Waste Type:

2009 Total Tonnage:

2008 Waste Type:

2008 Total Tonnage:

2007 Waste Type:

2007 Total Tonnage:

2006 Waste Type:

2006 Total Tonnage:

2005 Waste Type:

2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:

2004 Total Tonnage:

2003 Waste Type:

2003 Total Tonnage:

2002 Waste Type:

2002 Total Tonnage:

2001 Waste Type:

2001 Total Tonnage:

2000 Waste Type:

2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:

1999 Total Tonnage:

1998 Waste Type:

1998 Total Tonnage:

1997 Waste Type:

1997 Total Tonnage:

1996 Waste Type:

1996 Total Tonnage:

1995 Waste Type:

1995 Total Tonnage:

1994 Waste Type:

1994 Total Tonnage:

1993 Waste Type:

1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 133 of 377
 - Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 78	DIST/DIR: 0.06 SE	ELEVATION: 168	MAP ID: 34
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NAME: SANTANA SERVICES
ADDRESS: 1224 EAST ASH AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000196840
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

***Environmental FirstSearch
Site Detail Report*****Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

HWMANIFEST

SEARCH ID: 79 **DIST/DIR:** 0.06 SE **ELEVATION:** 168 **MAP ID:** 35**NAME:** SECURITY SIGNAL DEVICES INC/DBA SSD SYS
ADDRESS: 1227 EAST ASH ST
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000290149
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

RCRAGN

SEARCH ID: 7 **DIST/DIR:** 0.07 SW **ELEVATION:** 164 **MAP ID:** 36**NAME:** DONAHUE MAINT INC
ADDRESS: 1167 E ELM AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA**REV:** 7/14/10
ID1: CA0000184747
ID2:
STATUS: SGN
PHONE:**SITE INFORMATION****CONTACT INFORMATION:** WILLIAM DONAHUE
1167 E ELM AVE
FULLERTON CA 92631**PHONE:** 7144478191**UNIVERSE INFORMATION:****NAIC INFORMATION****ENFORCEMENT INFORMATION:****VIOLATION INFORMATION:**

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 8 **DIST/DIR:** 0.07 SW **ELEVATION:** 164 **MAP ID:** 37

NAME: FULLERTON CUSTOM WORKS
ADDRESS: 1163 E ELM AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAR000172403
ID2:
STATUS: LGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: MARCELLION GARCIA
1163 E ELM AVE
FULLERTON CA 92831

PHONE: 714-501-0366

UNIVERSE INFORMATION:

NAIC INFORMATION

332813 - ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

Corrosive waste

***Environmental FirstSearch
Site Detail Report*****Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

RCRAGN

SEARCH ID: 14 **DIST/DIR:** 0.08 -E **ELEVATION:** 171 **MAP ID:** 38**NAME:** MACDERMID INC
ADDRESS: 1404 E WALNUT UNIT B
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA**REV:** 7/14/10
ID1: CAR000059758
ID2:
STATUS: SGN
PHONE:**SITE INFORMATION****CONTACT INFORMATION:** GREG STRONG
245 FREIGHT ST
WATERBURY CT 06702**PHONE:** 2035755700**UNIVERSE INFORMATION:****NAIC INFORMATION**

325998 - ALL OTHER MISCELLANEOUS CHEMICAL PRODUCT AND PREPARATION MANUFACTURING

ENFORCEMENT INFORMATION:**VIOLATION INFORMATION:****HAZARDOUS WASTE INFORMATION:**Silver
Lead
D000
Corrosive waste
Chromium
Ignitable waste

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

SWL

SEARCH ID: 35 **DIST/DIR:** 0.08 S- **ELEVATION:** **MAP ID:** 39

NAME: WILLIAMS TIRE COMPANY
ADDRESS: 1164 EAST ELM AVENUE
FULLERTON CA
ORANGE

REV: 01/12/98
ID1: SWIS30-TI-0187
ID2:
STATUS: TO BE DETERMINED
PHONE:

CONTACT:
SOURCE:

Activity: *Waste Tire Location*

Accepted Waste:

Operational Status: *Closed*

Regulatory Status: *To Be Determined*

Closure Date:

Closure Type:

Permitted Throughput with Units:

Permitted Capacity with Units:

Remaining Capacity with Units (landfills only):

Permitted Total Acreage: 0

Permitted Disposal Acreage:

Last Tire Inspection Count:

Last Tire Inspection Count Date:

Original Tire Inspection Count:

Last Tire Inspection Count Date:

Inspection Frequency: *None*

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 61	DIST/DIR: 0.08 NW	ELEVATION: 166	MAP ID: 40
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NAME: DOUGLAS MACHINE COMPANY INC
ADDRESS: 1004 EAST WALNUT STE AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000315075
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

Environmental FirstSearch

Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 67 **DIST/DIR:** 0.08 SW **ELEVATION:** 161 **MAP ID:** 41

NAME: JandJ CARBURETORS AND COMPONENTS, INC. **REV:** 02/19/10
ADDRESS: 1127 EAST ASH AVE **ID1:** CAL000196372
FULLERTON CA 92831 **ID2:**
ORANGE **STATUS:** ACTIVE
CONTACT: **PHONE:**
SOURCE: CA DTSC

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 6/29/1999
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 1127 E ASH AVE, FULLERTON, CA 92831-0000
Owner Name: JandJ CARBURETORS CORP
Owner Address: 1127 E ASH AVE, FULLERTON, CA 92831-0000
Contact Name: JAIME H ALFARO
Contact Address: 1127 E ASH AVE, FULLERTON, CA 92831-0000
Contact Phone: 7144469770

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY
(H010-H129) OR (H131-H135)
2009 Waste Type: Unspecified sludge waste
2009 Total Tonnage: 0.15
2008 Waste Type: Unspecified sludge waste
2008 Total Tonnage: 0.15
2007 Waste Type: Unspecified sludge waste
2007 Total Tonnage: 0.2
2006 Waste Type: Unspecified oil-containing waste
2006 Total Tonnage: 0.1
2005 Waste Type: Unspecified oil-containing waste
2005 Total Tonnage: 0.22

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Unspecified sludge waste
2004 Total Tonnage: 0.45
2003 Waste Type: Other organic solids
2003 Total Tonnage: 0.05
2002 Waste Type: Unspecified organic liquid mixture
2002 Total Tonnage: 0.22
2001 Waste Type:
2001 Total Tonnage:
2000 Waste Type:
2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:
1999 Total Tonnage:
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type:
1995 Total Tonnage:
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 140 of 377
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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 67	DIST/DIR: 0.08 SW	ELEVATION: 161	MAP ID: 41
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NAME: JandJ CARBURETORS AND COMPONENTS, INC. ADDRESS: 1127 EAST ASH AVE FULLERTON CA 92831 ORANGE CONTACT: SOURCE: CA DTSC	REV: 02/19/10 ID1: CAL000196372 ID2: STATUS: ACTIVE PHONE:
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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 5 **DIST/DIR:** 0.09 NE **ELEVATION:** 173 **MAP ID:** 42

NAME: COMMUNITY CAR CARE
ADDRESS: 100 N RAYMOND
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983599432
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: CHARLES THROOP
100 N RAYMOND
FULLERTON CA 92631

PHONE: 7148717700

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 46 **DIST/DIR:** 0.09 NW **ELEVATION:** 172 **MAP ID:** 43

NAME: UNOCAL 4851 **REV:** 06/22/10
ADDRESS: 1133 COMMONWEALTH AVE **ID1:** T0605900337
FULLERTON CA 92631 **ID2:**
ORANGE **STATUS:** COMPLETED - CASE CLOSED
CONTACT: **PHONE:**
SOURCE: CA SWRCB

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: FULLERTON, CITY OF
REGIONAL BOARD CASE NUMBER: 083000422T
LOCAL AGENCY: FULLERTON, CITY OF
LOCAL CASE NUMBER:
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Waste Oil / Motor / Hydraulic / Lubricating
POTENTIAL MEDIA AFFECTED: Soil
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 1994-02-01
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): ENFORCEMENT
DATE (blank if not reported): 2004-08-17
ACTION (blank if not reported): * No Action

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Stopped

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Reported

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Discovery

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:

Orange County Transportation Authority

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- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 46	DIST/DIR: 0.09 NW	ELEVATION: 172	MAP ID: 43
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NAME: UNOCAL 4851
ADDRESS: 1133 COMMONWEALTH AVE
FULLERTON CA 92631
ORANGE

REV: 06/22/10
ID1: T0605900337
ID2:
STATUS: COMPLETED - CASE CLOSED
PHONE:

CONTACT:
SOURCE: CA SWRCB

MTBE CLASS:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 9	DIST/DIR: 0.09 NW	ELEVATION: 172	MAP ID: 43
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NAME: FULLERTON UNOCAL
ADDRESS: 1133 E COMMONWEALTH AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983599440
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: CHARLES THROOP
1133 E COMMONWEALTH AVE
FULLERTON CA 92631

PHONE: 7148715424

UNIVERSE INFORMATION:

NAIC INFORMATION

4471 - GASOLINE STATIONS

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 45 **DIST/DIR:** 0.09 NW **ELEVATION:** 172 **MAP ID:** 43

NAME:	TOSCO/76 STATION 4851	REV:	06/22/10
ADDRESS:	1133 COMMONWEALTH AVE	ID1:	T0605902078
	FULLERTON CA 92831	ID2:	
	ORANGE	STATUS:	COMPLETED - CASE CLOSED
CONTACT:		PHONE:	
SOURCE:	CA SWRCB		

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: FULLERTON, CITY OF
REGIONAL BOARD CASE NUMBER: 083003045T
LOCAL AGENCY: FULLERTON, CITY OF
LOCAL CASE NUMBER:
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Gasoline
POTENTIAL MEDIA AFFECTED: Soil
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 2002-04-24
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): ENFORCEMENT
DATE (blank if not reported): 2002-04-24
ACTION (blank if not reported): Closure/No Further Action Letter

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Discovery

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Reported

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

UST

SEARCH ID: 39	DIST/DIR: 0.09 NW	ELEVATION: 172	MAP ID: 43
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NAME: UNOCAL 4851
ADDRESS: 1133 E COMMONWEALTH
FULLERTON CA
ORANGE

REV: 11/22/99
ID1: FULLERTON07901
ID2:
STATUS:
PHONE:

CONTACT:
SOURCE:

FULLERTON CITY CERTIFIED TANKS LIST INFORMATION

According to the Fullerton City Fire Dept. the following information is current as of 07/03/01

Single Wall Tank Type:

Double Wall Tank Type: *TANKS and LINES*

Number of Tanks with Motor Vehicle Fuel: 3

Number of Tanks with Hazardous Materials:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 13	DIST/DIR: 0.09 NE	ELEVATION: 173	MAP ID: 44
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NAME: M AND M CLEANERS
ADDRESS: 104 N RAYMOND STE A 3
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD981620305
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: MAHENDRA BHAKTA
104 N RAYMOND STE A 3
FULLERTON CA 92831

PHONE: 7147739114

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 19 **DIST/DIR:** 0.09 SW **ELEVATION:** 163 **MAP ID:** 45

NAME: S and H RUBBER INC
ADDRESS: 1141 E ELM AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD981369564
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
1141 E ELM AVE
FULLERTON CA 92631

PHONE: 7145250277

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 21	DIST/DIR: 0.09 SE	ELEVATION: 166	MAP ID: 46
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NAME: SPACER CONNECTION INC
ADDRESS: 711 RAYMOND AVE STE A
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD982439861
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
711 RAYMOND AVE STE A
FULLERTON CA 92631

PHONE: 7145251661

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch

Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 73 **DIST/DIR:** 0.09 SE **ELEVATION:** 166 **MAP ID:** 47

NAME: PERFORMANCE ENVELOPE CO
ADDRESS: 711 SOUTH RAYMOND UNIT
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000181374
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 10/7/1998
Inactivity Date:
Facility Mail Name: JIM PENTON/PRES
Facility Mailing Address: 711 S RAYMOND UNIT B, FULLERTON, CA 92831-0000
Owner Name: PERFORMANCE ENVELOPE INC
Owner Address: 711 S RAYMOND, FULLERTON, CA 92831-0000
Contact Name: JIM PENTON/PRES
Contact Address: 711 S RAYMOND UNIT B, FULLERTON, CA 92831-0000
Contact Phone: 7147380970

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY
(H010-H129) OR (H131-H135)
2009 Waste Type: Aqueous solution with total organic residues less than 10 percent
2009 Total Tonnage: 0.1974
2008 Waste Type: Aqueous solution with total organic residues less than 10 percent
2008 Total Tonnage: 0.2646
2007 Waste Type: Aqueous solution with total organic residues less than 10 percent
2007 Total Tonnage: 0.22101
2006 Waste Type: Aqueous solution with total organic residues less than 10 percent
2006 Total Tonnage: 0.08
2005 Waste Type: Aqueous solution with total organic residues less than 10 percent
2005 Total Tonnage: 0.27

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Aqueous solution with total organic residues less than 10 percent
2004 Total Tonnage: 0.06
2003 Waste Type:
2003 Total Tonnage:
2002 Waste Type: Liquids with halogenated organic compounds \geq 1,000 Mg./L
2002 Total Tonnage: 0.07
2001 Waste Type: Liquids with halogenated organic compounds \geq 1,000 Mg./L
2001 Total Tonnage: 0.15
2000 Waste Type: Liquids with halogenated organic compounds \geq 1,000 Mg./L
2000 Total Tonnage: 0.03

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:
1999 Total Tonnage:
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type: Oil/water separation sludge
1997 Total Tonnage: 8.34
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type:
1995 Total Tonnage:
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 151 of 377
- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 73	DIST/DIR: 0.09 SE	ELEVATION: 166	MAP ID: 47
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NAME: PERFORMANCE ENVELOPE CO
ADDRESS: 711 SOUTH RAYMOND UNIT
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000181374
ID2:
STATUS: ACTIVE
PHONE:

***Environmental FirstSearch
Site Detail Report*****Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001**HWMANIFEST****SEARCH ID:** 81 **DIST/DIR:** 0.09 SE **ELEVATION:** 169 **MAP ID:** 48**NAME:** SOUTHERN CALIFORNIA TRUCKING INC .
ADDRESS: 1234 EAST ASH UNIT AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000319351
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

RCRAGN**SEARCH ID:** 10 **DIST/DIR:** 0.10 SW **ELEVATION:** 163 **MAP ID:** 49**NAME:** GILL KANEL CORP
ADDRESS: 1142 E ELM ST
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA**REV:** 7/14/10
ID1: CAD983598301
ID2:
STATUS: SGN
PHONE:**SITE INFORMATION****CONTACT INFORMATION:** GILL KANEL
1142 E ELM ST
FULLERTON CA 92631**PHONE:** 7145330424**UNIVERSE INFORMATION:****NAIC INFORMATION****ENFORCEMENT INFORMATION:****VIOLATION INFORMATION:**

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 24 **DIST/DIR:** 0.10 NW **ELEVATION:** 165 **MAP ID:** 50

NAME: WEST COAST CLASSIC
ADDRESS: 1002 E WALNUT AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983605155
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: LEONARD COPP
1002 E WALNUT
FULLERTON CA 92631

PHONE: 7148711322

UNIVERSE INFORMATION:

NAIC INFORMATION

81142 - REUPHOLSTERY AND FURNITURE REPAIR

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 42 **DIST/DIR:** 0.10 NE **ELEVATION:** 173 **MAP ID:** 51

NAME:	MOBIL 18-JP5	REV:	06/22/10
ADDRESS:	100 RAYMOND AVE	ID1:	T0605900182
	FULLERTON CA 92631	ID2:	
	ORANGE	STATUS:	COMPLETED - CASE CLOSED
CONTACT:		PHONE:	
SOURCE:	CA SWRCB		

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: SANTA ANA RWQCB (REGION 8)
REGIONAL BOARD CASE NUMBER: 083000237T
LOCAL AGENCY: FULLERTON, CITY OF
LOCAL CASE NUMBER:
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Gasoline
POTENTIAL MEDIA AFFECTED: Aquifer used for drinking water supply
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 2001-12-31
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Stopped

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Discovery

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Reported

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

UST

SEARCH ID: 38 **DIST/DIR:** 0.10 NE **ELEVATION:** 173 **MAP ID:** 51

NAME: MOBIL STATION (18-JP5)
ADDRESS: 100 RAYMOND
FULLERTON CA 91505
Los Angeles

REV: 01/01/94
ID1: TISID-STATE34434
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by us. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 43 **DIST/DIR:** 0.10 NE **ELEVATION:** 173 **MAP ID:** 51

NAME:	MOBIL OIL	REV:	06/22/10
ADDRESS:	100 RAYMOND	ID1:	T0605923079
	FULLERTON CA 92631	ID2:	
	ORANGE	STATUS:	COMPLETED - CASE CLOSED
CONTACT:		PHONE:	
SOURCE:	CA SWRCB		

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: ORANGE COUNTY LOP
REGIONAL BOARD CASE NUMBER:
LOCAL AGENCY: ORANGE COUNTY LOP
LOCAL CASE NUMBER: 87UT191
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Waste Oil / Motor / Hydraulic / Lubricating, Gasoline
POTENTIAL MEDIA AFFECTED: Soil
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 1988-11-19
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Discovery

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Reported

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE(Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 60	DIST/DIR: 0.10 NW	ELEVATION: 172	MAP ID: 52
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NAME: CONOCO PHILLIPS 254851
ADDRESS: 1133 EAST COMMON WEALTH
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000277202
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

DETAILS NOT AVAILABLE

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 56 **DIST/DIR:** 0.10 NW **ELEVATION:** 172 **MAP ID:** 52

NAME: BOB S 76 SERVICES ADDRESS: 1133 EAST COMMONWEALTH FULLERTON CA 92631 ORANGE CONTACT: SOURCE: CA DTSC	REV: 02/19/10 ID1: CAL000127392 ID2: STATUS: ACTIVE PHONE:
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THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 8/16/1994
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 8803 PAINTER AVE, WHITTIER, CA 90602-3343
Owner Name: NABIL WANISS/ROBERT WANISS
Owner Address: 1030 ENCANADA DR, LA HABRA HEIGHTS, CA 90631-7746
Contact Name: ROBERT WANISS
Contact Address: 8803 PAINTER AVE, WHITTIER, CA 90602-3343
Contact Phone: 5626917535

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
 2009 Waste Type:
 2009 Total Tonnage:
 2008 Waste Type:
 2008 Total Tonnage:
 2007 Waste Type:
 2007 Total Tonnage:
 2006 Waste Type:
 2006 Total Tonnage:
 2005 Waste Type:
 2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:
 2004 Total Tonnage:
 2003 Waste Type:
 2003 Total Tonnage:
 2002 Waste Type:
 2002 Total Tonnage:
 2001 Waste Type:
 2001 Total Tonnage:
 2000 Waste Type:
 2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:	Aqueous solution with total organic residues less than 10 percent
1999 Total Tonnage:	0.6879
1998 Waste Type:	Aqueous solution with total organic residues less than 10 percent
1998 Total Tonnage:	0.2293
1997 Waste Type:	Organic monomer waste (includes unreacted resins)
1997 Total Tonnage:	1.251
1996 Waste Type:	
1996 Total Tonnage:	
1995 Waste Type:	
1995 Total Tonnage:	
1994 Waste Type:	
1994 Total Tonnage:	
1993 Waste Type:	
1993 Total Tonnage:	

Orange County Transportation Authority

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 - Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 56	DIST/DIR: 0.10 NW	ELEVATION: 172	MAP ID: 52
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NAME: BOB S 76 SERVICES
ADDRESS: 1133 EAST COMMONWEALTH
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000127392
ID2:
STATUS: ACTIVE
PHONE:

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 76	DIST/DIR: 0.10 SE	ELEVATION: 166	MAP ID: 53
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NAME: ROY S TRANSMISSION SERVICE
ADDRESS: 715 SOUTH RAYMOND
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000279460
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

DETAILS NOT AVAILABLE

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 77 **DIST/DIR:** 0.10 SE **ELEVATION:** 166 **MAP ID:** 53

NAME: ROYS TRANSMISSION SERVICE
ADDRESS: 715 SO RAYMOND AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000014707
ID2:
STATUS: INACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWM) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 11/14/1989
Inactivity Date: 3/23/2004
Facility Mail Name:
Facility Mailing Address: 715 SO RAYMOND AVE, FULLERTON, CA 92831
Owner Name: ROY LIGHT
Owner Address: 715 S RAYMOND AVE, FULLERTON, CA 92831
Contact Name: ROY LIGHT
Contact Address: 715 SO RAYMOND AVE, FULLERTON, CA 92831
Contact Phone: 7148713423

HWM WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
2009 Waste Type:
2009 Total Tonnage:
2008 Waste Type:
2008 Total Tonnage:
2007 Waste Type: Oil/water separation sludge
2007 Total Tonnage: 0.3753
2006 Waste Type:
2006 Total Tonnage:
2005 Waste Type:
2005 Total Tonnage:

HWM WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:
2004 Total Tonnage:
2003 Waste Type:
2003 Total Tonnage:
2002 Waste Type: Waste oil and mixed oil
2002 Total Tonnage: 1.04
2001 Waste Type:
2001 Total Tonnage:
2000 Waste Type:
2000 Total Tonnage:

HWM WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:
1999 Total Tonnage:
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type: Oil/water separation sludge
1997 Total Tonnage: 0.321
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type:
1995 Total Tonnage:
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 77	DIST/DIR: 0.10 SE	ELEVATION: 166	MAP ID: 53
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NAME: ROYS TRANSMISSION SERVICE
ADDRESS: 715 SO RAYMOND AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000014707
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 17 **DIST/DIR:** 0.11 SW **ELEVATION:** 161 **MAP ID:** 54

NAME: RATTLESNAKE MOTORSPORTS LOUIE UNSER ENG
ADDRESS: 1100 E ASH AVE STE C
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983642182
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: RUSSELL EWING
1100 E ASH AVE STE C
FULLERTON CA 92631

PHONE: 7148798440

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 22 **DIST/DIR:** 0.11 SW **ELEVATION:** 161 **MAP ID:** 55

NAME: STRICTLY FOREIGN
ADDRESS: 1120 E ASH AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983638446
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: MARK WOLTER
1120 E ASH AVE
FULLERTON CA 92631

PHONE: 7144499894

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 47 **DIST/DIR:** 0.11 NW **ELEVATION:** 170 **MAP ID:** 56

NAME: UNOCAL/76 SERVICE NO. 4851
ADDRESS: 1133 E. COMMONWEALTH AVE
FULLERTON CA 92631
Orange

REV: 06/22/10
ID1: T10000001948
ID2:
STATUS: OPEN - REOPEN CASE
PHONE:

CONTACT:
SOURCE: CA SWRCB

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: SANTA ANA RWQCB (REGION 8)
REGIONAL BOARD CASE NUMBER: 083004078T
LOCAL AGENCY:
LOCAL CASE NUMBER:
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN:
POTENTIAL MEDIA AFFECTED:
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Open - Reopen Case
STATUS DATE: 2010-04-14
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): ENFORCEMENT
DATE (blank if not reported): 2009-05-11
ACTION (blank if not reported): Staff Letter

ACTION TYPE (blank if not reported): ENFORCEMENT
DATE (blank if not reported): 2010-04-14
ACTION (blank if not reported): Staff Letter

ACTION TYPE (blank if not reported): ENFORCEMENT
DATE (blank if not reported): 2010-04-14
ACTION (blank if not reported): Staff Letter

ACTION TYPE (blank if not reported): RESPONSE
DATE (blank if not reported): 2010-03-08
ACTION (blank if not reported): Fullerton Fire Department Requested That Regional Board Assume Oversight Lead

ACTION TYPE (blank if not reported): RESPONSE
DATE (blank if not reported): 2009-11-06
ACTION (blank if not reported): Site Assessment Report

ACTION TYPE (blank if not reported): RESPONSE
DATE (blank if not reported): 2010-06-07
ACTION (blank if not reported): Site Assessment Report

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 47 **DIST/DIR:** 0.11 NW **ELEVATION:** 170 **MAP ID:** 56

NAME: UNOCAL/76 SERVICE NO. 4851
ADDRESS: 1133 E. COMMONWEALTH AVE
FULLERTON CA 92631
Orange

REV: 06/22/10
ID1: T10000001948
ID2:
STATUS: OPEN - REOPEN CASE
PHONE:

CONTACT:
SOURCE: CA SWRCB

ACTION TYPE (blank if not reported): *RESPONSE*

DATE (blank if not reported): 2010-03-03

ACTION (blank if not reported): *Call From Consultant Re. Review of Site Assessment Report*

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):

MTBE GROUNDWATER CONCENTRATION (parts per billion):

MTBE SOIL CONCENTRATION (parts per million):

MTBE CNTS:

MTBE FUEL:

MTBE TESTED:

MTBE CLASS:

Environmental FirstSearch
*Site Detail Report***Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

HWMANIFEST

SEARCH ID: 83 **DIST/DIR:** 0.11 SW **ELEVATION:** 161 **MAP ID:** 57**NAME:** TIKAL AUTO BODY
ADDRESS: 1100 EAST ASH STE AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000313462
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

HWMANIFEST

SEARCH ID: 62 **DIST/DIR:** 0.11 SW **ELEVATION:** 161 **MAP ID:** 57**NAME:** DURIAN POLISH
ADDRESS: 1100 EAST ASH STE AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000330160
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

HWMANIFEST

SEARCH ID: 84 **DIST/DIR:** 0.11 SW **ELEVATION:** 161 **MAP ID:** 57**NAME:** TILZA POLISHING SHOP
ADDRESS: 1100 EAST ASH STE AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000328725
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 82	DIST/DIR: 0.11 SW	ELEVATION: 161	MAP ID: 57
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NAME: TIKAL AUTO BODY ADDRESS: 1100 EAST ASH STE AVE FULLERTON CA 92831 ORANGE CONTACT: SOURCE: CA DTSC	REV: 02/19/10 ID1: CAL000281758 ID2: STATUS: INACTIVE PHONE:
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DETAILS NOT AVAILABLE

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 50 **DIST/DIR:** 0.11 SW **ELEVATION:** 161 **MAP ID:** 57

NAME: AMERICAN INDIAN SPECIALISTS
ADDRESS: 1101 EAST ASH STE AVE
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000003976
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 11/14/1989
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 1101 E ASH AVE STE H, FULLERTON, CA 92831-5030
Owner Name: WILSON B PLANK
Owner Address: 1101 E ASH AVE STE H, FULLERTON, CA 92831-5030
Contact Name: WILSON PLANK-OWNER
Contact Address: 1101 E ASH AVE STE H, FULLERTON, CA 92831-5030
Contact Phone: 7144474636

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
2009 Waste Type:
2009 Total Tonnage:
2008 Waste Type:
2008 Total Tonnage:
2007 Waste Type:
2007 Total Tonnage:
2006 Waste Type:
2006 Total Tonnage:
2005 Waste Type:
2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:
2004 Total Tonnage:
2003 Waste Type:
2003 Total Tonnage:
2002 Waste Type:
2002 Total Tonnage:
2001 Waste Type:
2001 Total Tonnage:
2000 Waste Type:
2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type: Waste oil and mixed oil
1999 Total Tonnage: 6.5052
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type:
1995 Total Tonnage:
1994 Waste Type: Unspecified organic liquid mixture
1994 Total Tonnage: 0.1245
1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 50	DIST/DIR: 0.11 SW	ELEVATION: 161	MAP ID: 57
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NAME: AMERICAN INDIAN SPECIALISTS
ADDRESS: 1101 EAST ASH STE AVE
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000003976
ID2:
STATUS: ACTIVE
PHONE:

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 57 **DIST/DIR:** 0.11 SW **ELEVATION:** 162 **MAP ID:** 58

NAME: CASEYS AUTOMOTIVE INC
ADDRESS: 1126 EAST ELM STE AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000325447
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

HWMANIFEST

SEARCH ID: 74 **DIST/DIR:** 0.11 SW **ELEVATION:** 162 **MAP ID:** 58

NAME: R H SERVICES
ADDRESS: 1130 EAST ELM AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000312616
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 70 **DIST/DIR:** 0.11 SW **ELEVATION:** 162 **MAP ID:** 58

NAME: LOMELI AUTO REPAIR
ADDRESS: 1126 ELM UNIT AVE
 FULLERTON CA 92831
 ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000153849
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 11/7/2001
Inactivity Date:
Facility Mail Name: JESUS LOMELI
Facility Mailing Address: 1126 ELM AVE UNIT C, FULLERTON, CA 92831-0000
Owner Name: JESUS LOMELI
Owner Address: 1126 ELM AVE UNIT C, FULLERTON, CA 92831-0000
Contact Name: JESUS LOMELI/OWNER
Contact Address: 1126 ELM AVE UNIT C, FULLERTON, CA 92831-0000
Contact Phone: 7145258353

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
 2009 Waste Type:
 2009 Total Tonnage:
 2008 Waste Type:
 2008 Total Tonnage:
 2007 Waste Type:
 2007 Total Tonnage:
 2006 Waste Type:
 2006 Total Tonnage:
 2005 Waste Type:
 2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:
 2004 Total Tonnage:
 2003 Waste Type:
 2003 Total Tonnage:
 2002 Waste Type:
 2002 Total Tonnage:
 2001 Waste Type:
 2001 Total Tonnage:
 2000 Waste Type:
 2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:
 1999 Total Tonnage:
 1998 Waste Type:
 1998 Total Tonnage:
 1997 Waste Type:
 1997 Total Tonnage:
 1996 Waste Type:
 1996 Total Tonnage:
 1995 Waste Type:
 1995 Total Tonnage:
 1994 Waste Type:
 1994 Total Tonnage:
 1993 Waste Type:
 1993 Total Tonnage:

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 70	DIST/DIR: 0.11 SW	ELEVATION: 162	MAP ID: 58
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NAME: LOMELI AUTO REPAIR
ADDRESS: 1126 ELM UNIT AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000153849
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 59 **DIST/DIR:** 0.11 SW **ELEVATION:** 160 **MAP ID:** 59

NAME: COMPLETE TRUCK AND AUTO REPAIR
ADDRESS: 1101 EAST ASH STE AVE
 FULLERTON CA 92831
 ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000202795
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 5/18/1999

Inactivity Date:

Facility Mail Name:

Facility Mailing Address: 1101 E ASH AVE STE I, FULLERTON, CA 92831-5030

Owner Name: JUSTIN GELLING

Owner Address: 1101 E ASH AVE STE I, FULLERTON, CA 92831-5030

Contact Name: JUSTIN GELLING

Contact Address: 1101 E ASH UNIT I, FULLERTON, CA 92831-5030

Contact Phone: 7148707812

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:

2009 Waste Type:

2009 Total Tonnage:

2008 Waste Type:

2008 Total Tonnage:

2007 Waste Type:

2007 Total Tonnage:

2006 Waste Type:

2006 Total Tonnage:

2005 Waste Type:

2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:

2004 Total Tonnage:

2003 Waste Type:

2003 Total Tonnage:

2002 Waste Type:

2002 Total Tonnage:

2001 Waste Type:

2001 Total Tonnage:

2000 Waste Type: Aqueous solution with total organic residues less than 10 percent

2000 Total Tonnage: 0.15

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:

1999 Total Tonnage:

1998 Waste Type:

1998 Total Tonnage:

1997 Waste Type:

1997 Total Tonnage:

1996 Waste Type:

1996 Total Tonnage:

1995 Waste Type:

1995 Total Tonnage:

1994 Waste Type:

1994 Total Tonnage:

1993 Waste Type:

1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 175 of 377
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***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 59	DIST/DIR: 0.11 SW	ELEVATION: 160	MAP ID: 59
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NAME: COMPLETE TRUCK AND AUTO REPAIR
ADDRESS: 1101 EAST ASH STE AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000202795
ID2:
STATUS: ACTIVE
PHONE:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 3 **DIST/DIR:** 0.12 SW **ELEVATION:** 162 **MAP ID:** 60

NAME: BRITALIA IMPORT AUTO SERVICE
ADDRESS: 1121 E ELM AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CA0000180927
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: WALTER KELLEY
1121 E ELM AVE
FULLERTON CA 92631

PHONE: 7148797531

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 16	DIST/DIR: 0.12 SW	ELEVATION: 161	MAP ID: 61
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NAME: PICNIC SANDWICHES
ADDRESS: 1121 E ASH AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD982442527
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
1121 E ASH
FULLERTON CA 92631

PHONE: 7149920551

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 29 **DIST/DIR:** 0.12 SW **ELEVATION:** 163 **MAP ID:** 62

NAME: UNKNOWN
ADDRESS: 1122 EAST ELM
FULLERTON CA 92631
Orange
CONTACT:
SOURCE: EPA

REV: 3/2/91
ID1: 209966
ID2:
STATUS: UNKNOWN (NRC)
PHONE:

SPILL INFORMATION

DATE OF SPILL: 3/2/1991 **TIME OF SPILL:** 0755

PRODUCT RELEASED (1): POTASH
QUANTITY (1): 1
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	GROUNDWATER:	NO
LAND:	YES	FIXED FACILITY:	NO
WATER:	NO	OTHER:	NO
WATERBODY AFFECTED BY RELEASE:		NONE	

SPILL INFORMATION

DATE OF SPILL: 3/2/1991 **TIME OF SPILL:** 0755

PRODUCT RELEASED (1): POTASH
QUANTITY (1): 1
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	GROUNDWATER:	NO
LAND:	YES	FIXED FACILITY:	NO
WATER:	NO	OTHER:	NO
WATERBODY AFFECTED BY RELEASE:		NONE	

CAUSE OF RELEASE

DUMPING:	YES	EQUIPMENT FAILURE:	NO
NATURAL PHENOMENON:	NO	OPERATOR ERROR:	NO
OTHER CAUSE:	NO	TRANSP. ACCIDENT:	NO
UNKNOWN:	NO		

ACTIONS TAKEN: CLEANUP BY FULLERTON FIRE DEPT

RELEASE DETECTION: ABANDONED

Orange County Transportation Authority

EXHIBIT K Page 179 of 377

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 29 **DIST/DIR:** 0.12 SW **ELEVATION:** 163 **MAP ID:** 62

NAME: UNKNOWN
ADDRESS: 1122 EAST ELM
FULLERTON CA 92631
Orange

REV: 3/2/91
ID1: 209966
ID2:
STATUS: UNKNOWN (NRC)
PHONE:

CONTACT:
SOURCE: EPA

MISC. NOTES:

DISCHARGER INFORMATION

DISCHARGER ID: 209966
TYPE OF DISCHARGER:
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

DUN and BRADSTREET :

CAUSE OF RELEASE

DUMPING:	YES	EQUIPMENT FAILURE:	NO
NATURAL PHENOMENON:	NO	OPERATOR ERROR:	NO
OTHER CAUSE:	NO	TRANSP. ACCIDENT:	NO
UNKNOWN:	NO		

ACTIONS TAKEN: CLEANUP BY FULLERTON FIRE DEPT

RELEASE DETECTION: ABANDONED

MISC. NOTES:

DISCHARGER INFORMATION

DISCHARGER ID: 209966
TYPE OF DISCHARGER:
NAME OF DISCHARGER: UNKNOWN
ADDRESS:

DUN and BRADSTREET :

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

UST

SEARCH ID: 37 **DIST/DIR:** 0.12 NW **ELEVATION:** 169 **MAP ID:** 63

NAME: FULLERTON UNOCAL 4851
ADDRESS: 1133 COMMONWEALTH
FULLERTON CA 92631
Orange

REV: 01/01/94
ID1: TISID-STATE34437
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by us. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 106 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME: EXPRESS LAWNMOWER SHOP
ADDRESS: 1811 N RAYMOND AVE
ANAHEIM CA 92801
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000303689
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

TRIBALLAND

SEARCH ID: 105 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME: BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION
ADDRESS: UNKNOWN
CA 92832
ORANGE
CONTACT:
SOURCE: BIA

REV: 01/15/08
ID1: BIA-92832
ID2:
STATUS:
PHONE:

BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION

OFFICE: Pacific Regional Office
CONTACT: CLAY GREGORY, REGIONAL DIRECTOR

ADDRESS: 2800 Cottage Way
Sacramento CA 95825
PHONE: Phone: 916-978-6000
FAX: Fax: 916-978-6099

The Native American Consultation Database (NACD) is a tool for identifying consultation contacts for Indian tribes, Alaska Native villages and corporations, and Native Hawaiian organizations. The database is not a comprehensive source of information, but it does provide a starting point for the consultation process by identifying tribal leaders and NAGPRA contacts. This database can be accessed online at the following web address
<http://home.nps.gov/nacd/>

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TRIBALLAND

SEARCH ID: 104 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME: BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION ADDRESS: UNKNOWN CA 92801 ORANGE CONTACT: SOURCE: BIA	REV: 01/15/08 ID1: BIA-92801 ID2: STATUS: PHONE:
---	---

BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION

OFFICE:	Pacific Regional Office
CONTACT:	CLAY GREGORY, REGIONAL DIRECTOR
ADDRESS:	2800 Cottage Way Sacramento CA 95825
PHONE:	Phone: 916-978-6000
FAX:	Fax: 916-978-6099

The Native American Consultation Database (NACD) is a tool for identifying consultation contacts for Indian tribes, Alaska Native villages and corporations, and Native Hawaiian organizations. The database is not a comprehensive source of information, but it does provide a starting point for the consultation process by identifying tribal leaders and NAGPRA contacts. This database can be accessed online at the following web address <http://home.nps.gov/nacd/>

TRIBALLAND

SEARCH ID: 103 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME: BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION ADDRESS: UNKNOWN CA 92831 ORANGE CONTACT: SOURCE: BIA	REV: 01/15/08 ID1: BIA-92831 ID2: STATUS: PHONE:
---	---

BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION

OFFICE:	Pacific Regional Office
CONTACT:	CLAY GREGORY, REGIONAL DIRECTOR
ADDRESS:	2800 Cottage Way Sacramento CA 95825
PHONE:	Phone: 916-978-6000
FAX:	Fax: 916-978-6099

The Native American Consultation Database (NACD) is a tool for identifying consultation contacts for Indian tribes, Alaska Native villages and corporations, and Native Hawaiian organizations. The database is not a comprehensive source of information, but it does provide a starting point for the consultation process by identifying tribal leaders and NAGPRA contacts. This database can be accessed online at the following web address <http://home.nps.gov/nacd/>

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 102 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:	MS ALICE PITCHER	REV:	06/22/10
ADDRESS:	116 ELM	ID1:	T0605900879
	FULLERTON CA 92632	ID2:	
	ORANGE	STATUS:	COMPLETED - CASE CLOSED
CONTACT:		PHONE:	
SOURCE:	CA SWRCB		

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: ORANGE COUNTY LOP
REGIONAL BOARD CASE NUMBER: 083001115T
LOCAL AGENCY: ORANGE COUNTY LOP
LOCAL CASE NUMBER: 88UT182
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Gasoline
POTENTIAL MEDIA AFFECTED: Soil
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 1989-01-06
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Reported

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Discovery

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 101 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME: S AND H RUBBER INC. ADDRESS: 1133/1137 ELM ST FULLERTON CA 92631 ORANGE CONTACT: SOURCE: CA SWRCB	REV: 06/22/10 ID1: T0605900881 ID2: STATUS: COMPLETED - CASE CLOSED PHONE:
--	---

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: FULLERTON, CITY OF
REGIONAL BOARD CASE NUMBER: 083001118T
LOCAL AGENCY: FULLERTON, CITY OF
LOCAL CASE NUMBER:
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Waste Oil / Motor / Hydraulic / Lubricating
POTENTIAL MEDIA AFFECTED: Soil
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 1991-10-30
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): ENFORCEMENT
DATE (blank if not reported): 1991-10-30
ACTION (blank if not reported): Closure/No Further Action Letter

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Reported

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Discovery

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 100 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:	COVE DEVELOPMENT	REV:	06/22/10
ADDRESS:	2401 COMMONWEALTH	ID1:	T0605928765
	FULLERTON CA 92633	ID2:	
	ORANGE	STATUS:	COMPLETED - CASE CLOSED
CONTACT:		PHONE:	
SOURCE:	CA SWRCB		

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: ORANGE COUNTY LOP
REGIONAL BOARD CASE NUMBER:
LOCAL AGENCY: ORANGE COUNTY LOP
LOCAL CASE NUMBER: 85UT001
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Diesel
POTENTIAL MEDIA AFFECTED: Soil
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 1985-12-23
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

UST

SEARCH ID: 99	DIST/DIR: NON GC	ELEVATION:	MAP ID:
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NAME: WESTERN MARKETING COMPANY
ADDRESS: 210 WALNUT
FULLERTON CA 92632
ORANGE

REV: 01/01/94
ID1: TISID-STATE7240
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:
SOURCE:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by us. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 93 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME: WASTE WATER DISPOSAL ADDRESS: NEAR CORNER OF COMMONWEALTH AND STATE COLLEGE BLVD FULLERTON CA 92631 Orange CONTACT: SOURCE: EPA	REV: 2/20/96 ID1: 493184 ID2: STATUS: FIXED FACILITY PHONE:
--	--

SPILL INFORMATION

DATE OF SPILL: 2/20/1996 **TIME OF SPILL:** 1030

PRODUCT RELEASED (1): WASTE WATER 200 PPM OIL AND
QUANTITY (1): 75
UNITS (1): BBL

PRODUCT RELEASED (2): IRON SULFIDE
QUANTITY (2): 75
UNITS (2): BBL

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	GROUNDWATER:	NO
LAND:	YES	FIXED FACILITY:	NO
WATER:	YES	OTHER:	NO
WATERBODY AFFECTED BY RELEASE:		STORM DRAIN	

CAUSE OF RELEASE

DUMPING:	NO	EQUIPMENT FAILURE:	NO
NATURAL PHENOMENON:	YES	OPERATOR ERROR:	NO
OTHER CAUSE:	NO	TRANSP. ACCIDENT:	NO
UNKNOWN:	NO		

ACTIONS TAKEN: UNION OIL TO C/U

RELEASE DETECTION: DUE TO HEAVY RAINS WASTE WATER GRAVITY LINE IS OVERFLOWING

MISC. NOTES:

DISCHARGER INFORMATION

DISCHARGER ID: 493184 TYPE OF DISCHARGER: PRIVATE ENTERPRISE NAME OF DISCHARGER: WASTE WATER DISPOSAL ADDRESS:	DUN and BRADSTREET :
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Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

STATE

SEARCH ID: 97 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:	FULLERTON UNION PACIFIC PARK	REV:	08/04/10
ADDRESS:	TRUSLOW AND HARBOR BLVD	ID1:	CAL60000511
	FULLERTON CA 92832	ID2:	STATE RESPONSE
	ORANGE	STATUS:	ACTIVE
CONTACT:		PHONE:	
SOURCE:	CA DTSC		

GENERAL SITE INFORMATION

Site Type:	State Response
Status:	Active
Status Date:	2006-12-14
NPL Site:	NO
Funding:	Responsible Party
Regulatory Agencies Involved:	SMBRP
Lead Agency:	SMBRP
Project Manager:	RANIA ZABANEH
Supervisor:	Shelia Lowe
Branch:	Cypress
Acres:	1.3
Assessor s Parcel Number:	NONE SPECIFIED
Past Uses:	HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, RAILROAD RIGHT OF WAY
Potential Contaminants:	Polynuclear aromatic hydrocarbons (PAHs)
Confirmed Contaminants:	Polynuclear aromatic hydrocarbons (PAHs)
Potential Media Affected:	SOIL
Restricted Use:	NO
Site Management Required:	NONE SPECIFIED
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

110033615620

401331

60000511

INFORMATION ON SCHEDULED ACTIVITIES FOR THIS SITE (blank below = not reported by agency)

Area Name:	PROJECT WIDE
Sub-Area Name:	
Document Type:	Fact Sheets
Completion Due Date:	2011-05-06 00:00:00
Revised Completion Due Date:	

Area Name:	PROJECT WIDE
Sub-Area Name:	
Document Type:	CEQA - Initial Study/ Neg. Declaration
Completion Due Date:	2011-06-05 00:00:00
Revised Completion Due Date:	

FUTURE ACTIVITIES (blank below = not reported by agency)

Area Name:	PROJECT WIDE
Sub-Area Name:	
Document Type:	Removal Action Completion Report
Completion Due Date:	2012

Area Name:	PROJECT WIDE
Sub-Area Name:	

Orange County Transportation Authority

EXHIBIT K Page 189 of 377
- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

STATE

SEARCH ID: 97 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME: FULLERTON UNION PACIFIC PARK **REV:** 08/04/10
ADDRESS: TRUSLOW AND HARBOR BLVD **ID1:** CAL60000511
FULLERTON CA 92832 **ID2:** STATE RESPONSE
ORANGE **STATUS:** ACTIVE
CONTACT: **PHONE:**
SOURCE: CA DTSC

Document Type: Removal Action Workplan
Completion Due Date: 2011

Area Name: PROJECT WIDE
Sub-Area Name:
Document Type: Certification
Completion Due Date: 2013

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completion Date: 2007-10-02 00:00:00
Comments: An Amended Remedial Action Order was completed and sent by certified mail to all responsible parties.

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Inspection Warrant
Completion Date: 2008-01-25 00:00:00
Comments:

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completion Date: 2007-06-05 00:00:00
Comments: Remedial Action Order issued to responsible parties

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Removal Action Workplan
Completion Date: 2004-09-10 00:00:00
Comments: DTSC issued an approval letter for the Removal Action Workplan.

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Remedial Investigation Workplan
Completion Date: 2008-01-25 00:00:00
Comments: The RI Workplan dated 1/18/08 has been approved by DTSC on 1/23/08 and fieldwork will commence on 1/28/08.

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Feasibility Study Report
Completion Date: 2010-05-24 00:00:00
Comments:

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Remedial Investigation Report
Completion Date: 2008-09-22 00:00:00
Comments: RI Report submitted by ENSR on behalf of SoCalGas and Union Pacific Railroad and Road

Orange County Transportation Authority

EXHIBIT K Page 190 of 377

- Continued on next page -

***Environmental FirstSearch
Site Detail Report*****Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

STATE

SEARCH ID: 97 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:****NAME:** FULLERTON UNION PACIFIC PARK
ADDRESS: TRUSLOW AND HARBOR BLVD
FULLERTON CA 92832
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 08/04/10
ID1: CAL60000511
ID2: STATE RESPONSE
STATUS: ACTIVE
PHONE:*August 2008, has been approved by DTSC. See uploaded approval letter.***Area Name:** *PROJECT WIDE*
Sub- Area Name:
Document Type: *Human Health Risk Assessment Report*
Completion Date: *2009-10-19 00:00:00*
Comments: *BHERA approved by DTSC.*

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 96 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:	COMMONWEALTH AVENUE and LEMON STREET	REV:	12/31/04
ADDRESS:	COMMONWEALTH AVENUE AND LEMON ST FULLERTON CA ORANGE	ID1:	NRC-711926
CONTACT:	STAN MARSH	ID2:	
SOURCE:	NRC	STATUS:	FIXED
		PHONE:	9099870875

SITE INFORMATION

THIS INFORMATION WAS OBTAINED FROM THE NATIONAL RESPONSE CENTER

DATE RECEIVED:	1/29/2004 10:42:00 PM	DATE COMPLETE:	
1/29/2004 10:47:12 PM			
CALL TAKER:	VSW9534	CALL TYPE:	INC
RESPONSIBLE PARTY:	STAN MARSH		
PHONE 1:	9099870875 PRIMARY		
PHONE 2:	6263029711 ALTERNATE		
PHONE 3:	OTHER		
RESPONSIBLE COMPANY:	SOUTHERN CA EDISON		
ORGANIZATION TYPE:	PRIVATE ENTERPRISE		
ADDRESS:	2244 WALNUT GROVE AVENUE ROSEMEAD CA 91770		
SOURCE:	TELEPHONE		

INCIDENT INFORMATION

INCIDENT DESCRIPTION: CALLER STATED THAT A UTILITY POLE BROKE, CAUSING THREE POLE-MOUNTED TRANSFORMERS TO FALL TO THE GROUND, RESULTING IN A RELEASE OF MINERAL OIL ONTO THE GROUND AND INTO A STORM DRAIN. IT IS UNKNOWN IF ANY PCB S WERE CONTAINED IN THIS MATERIAL.

INCIDENT TYPE:	FIXED	INCIDENT CAUSE:	EQUIPMENT FAILURE
INCIDENT DATE:	1/29/2004 6:30:00 PM	INCIDENT DATE DESC:	
OCCURRED			
DISTANCE FROM CITY:		DISTANCE UNITS:	
DIRECTION FROM CITY:		LOCATION SECTION:	
LOCATION TOWNSHIP:		LOCATION RANGE:	
AIRCRAFT TYPE:		AIRCRAFT MODEL:	
AIRCRAFT ID:		AIRCRAFT FUEL CAPACITY:	
AIRCRAFT FUEL CAPACITY UNITS:		AIRCRAFT FUEL ON BOARD:	
AIRCRAFT FUEL ON BOARD UNITS:		AIRCRAFT SPOT NUMBER:	
AIRCRAFT HANGER:		AIRCRAFT RUNWAY NUM:	
ROAD MILE MARKER:		BUILDING ID:	
TYPE OF FIXED OBJECT:	TRANSFORMER	POWER GEN FACILITY:	NO
GENERATING CAPACITY:		TYPE OF FUEL:	
NPDES:		NPDES COMPLIANCE:	UNKNOWN
PIPELINE TYPE:		DOT REGULATED:	UNKNOWN
PIPELINE ABOVE GROUND:	ABOVE	EXPOSED UNDERWATER:	NO
PIPELINE COVERED:	UNKNOWN	GRADE CROSSING:	NO
LOCATION SUBDIVISION:		RAILROAD MILEPOST:	
TYPE VEHICLE INVOLVED:		CROSSING DEVICE TYPE:	
DEVICE OPERATIONAL:	YES		

Orange County Transportation Authority

EXHIBIT K Page 192 of 377
- Continued on next page -

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID:	DIST/DIR:	ELEVATION:	MAP ID:
96	NON GC		
NAME: COMMONWEALTH AVENUE and LEMON STREET ADDRESS: COMMONWEALTH AVENUE AND LEMON ST FULLERTON CA ORANGE CONTACT: STAN MARSH SOURCE: NRC		REV: 12/31/04 ID1: NRC-711926 ID2: STATUS: FIXED PHONE: 9099870875	
DOT CROSSING NUMBER: TANK ABOVE GROUND: ABOVE TANK REGULATED: UNKNOWN TANK ID: CAPACITY OF TANK UNITS: ACTUAL AMOUNT UNITS: PLATFORM LETTER: LOCATION BLOCK ID:		BRAKE FAILURE: NO TRANSPORTABLE CONTAINER: UNKNOWN TANK REGULATED BY: CAPACITY OF TANK: ACTUAL AMOUNT: PLATFORM RIG NAME: LOCATION AREA ID:	
DESCRIPTION OF TANK:			
OCSG NUMBER: STATE LEASE NUMBER: BERTH SLIP NUMBER: INITIAL CONT RELEASE NUM: ALLISION: NO STRUCTURE NAME: AIRBAG DEPLOYED: SERVICE DISRUPT TIME: TRANSIT BUS FLAG: CR END DATE:		OCSP NUMBER: PIER DOCK NUMBER: CONTIN RELEASE TYPE: CONT RELEASE PERMIT: TYPE OF STRUCTURE: STRUCT OPERATIONAL: UNKNOWN DATE NORMAL SERVICE: SERVICE DISRUPT UNITS: CR BEGIN DATE: CR CHANGE DATE:	
FIRE INVOLVED: YES ANY EVACUATIONS: NO WHO EVACUATED: ANY INJURIES: UNKNOWN NUMBER HOSPITALIZED: NUMBER FATALITIES: DAMAGE AMOUNT: AIR CORRIDOR DESC: WATERWAY CLOSED: NO WATERWAY CLOSURE TIME: ROAD DESC: CLOSURE DIRECTION:		FIRE EXTINGUISHED: YES NUMBER EVACUATED: RADIUS OF EVACUATION: NUMBER INJURED: ANY FATALITIES: NO ANY DAMAGES: NO AIR CORRIDOR CLOSED: NO AIR CLOSURE TIME: WATERWAY DESC: ROAD CLOSED: NO ROAD CLOSURE TIME: MAJOR ARTERY: NO	
TRACK CLOSED: NO TRACK CLOSURE TIME: MEDIUM DESC: WATER BODY OF WATER: STORM DRAIN NEAREST RIVER MILE MARK: EST DUR OF RELEASE: TRACK CLOSE DIR: ST AGENCY RPT NUM: 04-0523/OES WEATHER CONDITIONS: CLEAR WIND SPEED: 5 WATER SUPPLY CONTAM: NO SHEEN COLOR: SHEEN ODOR DESCRIPTION: CURRENT SPEED: WATER TEMPERATURE:		TRACK DESC: MEDIA INTEREST: NONE ADDTL MEDIUM INFO: STORM DRAIN>SANTA ANA RIVER TRIBUTARY OF: SANTA ANA RELEASE SECURED: YES RELEASE RATE: ST AGENCY ON SCENE: OTHER AGENCY NOTIFIED: AIR TEMPERATURE: 55 WIND DIRECTION: E SHEEN SIZE: DIR OF SHEEN TRAVEL: WAVE CONDITION: CURRENT DIRECTION:	

DESC OF REMEDIAL ACTION: CLEAN UP CREW ON-SITE, CLEAN UP UNDERWAY, CONTRACTOR HAS BEEN HIRED

Orange County Transportation Authority

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- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 96 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME: COMMONWEALTH AVENUE and LEMON STREET
ADDRESS: COMMONWEALTH AVENUE AND LEMON ST
FULLERTON CA
ORANGE
CONTACT: STAN MARSH
SOURCE: NRC

REV: 12/31/04
ID1: NRC-711926
ID2:
STATUS: FIXED
PHONE: 9099870875

EMPL FATALITY:		PASS FATALITY:	
COMMUNITY IMPACT:	NO	WIND SPEED UNITS:	MPH
EMPLOYEE INJURIES:		PASSENGER INJURIES:	
OCCUPANT FATALITY:		CURRENT SPEED UNITS:	
ROAD CLOSURE UNITS:		TRACK CLOSURE UNITS:	
SHEEN SIZE UNITS:		STATE AGENCY NOTIFIED:	OES; FIRE DEPARTMENT
FED AGENCY NOTIFIED:		NEAREST RIVER MILE MARK:	
SHEEN SIZE LENGTH:		SHEEN SIZE LENGTH UNITS:	
SHEEN SIZE WIDTH:		SHEEN SIZE WIDTH UNITS:	
OFFSHORE:	N	DURATION UNIT:	
RELEASE RATE UNIT:		RELEASE RATE RATE:	

ADDITIONAL INFO: CALLER HAD NO ADDITIONAL INFORMATION.

MATERIAL INFORMATION

CHRIS CODE:	OMN	CASE NUMBER:	000000-00-0
UN NUMBER:		REACHED WATER:	YES

NAME OF MATERIAL:	OIL, MISC: MINERAL
AMOUNT OF MATERIAL:	100 GALLON(S)
AMOUNT IN WATER:	0 UNKNOWN AMOUNT

OTHER MATERIAL INFORMATION

MOBILE DETAILS INFORMATION

TRAIN INFORMATION

VESSEL INFORMATION

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 95 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:		REV:	12/31/00
ADDRESS:	1501 RAYMOND	ID1:	NRC-547160
	ANAHEIM CA	ID2:	
	ORANGE	STATUS:	FIXED
CONTACT:		PHONE:	
SOURCE:	EPA		

SITE INFORMATION

THIS INFORMATION WAS OBTAINED FROM THE NATIONAL RESPONSE CENTER

DATE RECEIVED:	11/3/2000 10:58:41 AM	DATE COMPLETE:	
11/3/2000 11:03:05 AM			
CALL TAKER:	CALL TYPE:		INC

RESPONSIBLE PARTY:

PHONE 1:
PHONE 2:
PHONE 3:

RESPONSIBLE COMPANY: COMMERCE CENTER
ORGANIZATION TYPE: PRIVATE ENTERPRISE

ADDRESS:
ANAHEIM CA

SOURCE: UNAVAILABLE

INCIDENT INFORMATION

INCIDENT DESCRIPTION: THE CALLER STATED THAT THERE IS A LEAKING ABANDONED DRUM IN THE DRIVE WAY BEHIND THE BUILDING. CARS HAVE BEEN DRIVING THROUGH THE MATERIAL SINCE LAST NIGHT.

INCIDENT TYPE:	FIXED	INCIDENT CAUSE:	DUMPING
INCIDENT DATE:	11/2/2000 7:45:00 PM	INCIDENT DATE DESC:	
DISCOVERED			

DISTANCE FROM CITY:	DISTANCE UNITS:
DIRECTION FROM CITY:	LOCATION SECTION:
LOCATION TOWNSHIP:	LOCATION RANGE:

AIRCRAFT TYPE:	UNKNOWN	AIRCRAFT MODEL:	
AIRCRAFT ID:		AIRCRAFT FUEL CAPACITY:	
AIRCRAFT FUEL CAPACITY UNITS:		AIRCRAFT FUEL ON BOARD:	
AIRCRAFT FUEL ON BOARD UNITS:		AIRCRAFT SPOT NUMBER:	
AIRCRAFT HANGER:		AIRCRAFT RUNWAY NUM:	
ROAD MILE MARKER:		BUILDING ID:	
TYPE OF FIXED OBJECT:	UNKNOWN	POWER GEN FACILITY:	NO
GENERATING CAPACITY:		TYPE OF FUEL:	
NPDES:		NPDES COMPLIANCE:	YES
PIPELINE TYPE:		DOT REGULATED:	UNKNOWN
PIPELINE ABOVE GROUND:	ABOVE	EXPOSED UNDERWATER:	NO
PIPELINE COVERED:	UNKNOWN	GRADE CROSSING:	NO
LOCATION SUBDIVISION:		RAILROAD MILEPOST:	
TYPE VEHICLE INVOLVED:		CROSSING DEVICE TYPE:	
DEVICE OPERATIONAL:	YES		

DOT CROSSING NUMBER: **BRAKE FAILURE:**

NO

Orange County Transportation Authority

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Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 95

DIST/DIR: NON GC

ELEVATION:

MAP ID:

NAME:

ADDRESS: 1501 RAYMOND
ANAHEIM CA
ORANGE

REV: 12/31/00

ID1: NRC-547160

ID2:

STATUS: FIXED

PHONE:

CONTACT:

SOURCE: EPA

TANK ABOVE GROUND:

ABOVE

TRANSPORTABLE CONTAINER: UNKNOWN

TANK REGULATED:

UNKNOWN

TANK REGULATED BY:

TANK ID:

CAPACITY OF TANK:

CAPACITY OF TANK UNITS:

ACTUAL AMOUNT:

ACTUAL AMOUNT UNITS:

PLATFORM RIG NAME:

PLATFORM LETTER:

LOCATION AREA ID:

LOCATION BLOCK ID:

DESCRIPTION OF TANK:

OCSG NUMBER:

OCSF NUMBER:

STATE LEASE NUMBER:

PIER DOCK NUMBER:

BERTH SLIP NUMBER:

CONTIN RELEASE TYPE:

INITIAL CONT RELEASE NUM:

CONT RELEASE PERMIT:

ALLISION:

NO

TYPE OF STRUCTURE:

STRUCTURE NAME:

STRUCT OPERATIONAL: UNKNOWN

AIRBAG DEPLOYED:

DATE NORMAL SERVICE:

SERVICE DISRUPT TIME:

SERVICE DISRUPT UNITS:

TRANSIT BUS FLAG:

CR BEGIN DATE:

CR END DATE:

CR CHANGE DATE:

FIRE INVOLVED:

NO

FIRE EXTINGUISHED:

UNKNOWN

ANY EVACUATIONS:

NO

NUMBER EVACUATED:

WHO EVACUATED:

RADIUS OF EVACUATION:

ANY INJURIES:

NO

NUMBER INJURED:

NUMBER HOSPITALIZED:

ANY FATALITIES: NO

NUMBER FATALITIES:

ANY DAMAGES: NO

DAMAGE AMOUNT:

AIR CORRIDOR CLOSED: NO

AIR CORRIDOR DESC:

AIR CLOSURE TIME:

WATERWAY CLOSED:

NO

WATERWAY DESC:

WATERWAY CLOSURE TIME:

ROAD CLOSED: NO

ROAD DESC:

ROAD CLOSURE TIME:

CLOSURE DIRECTION:

MAJOR ARTERY: NO

TRACK CLOSED:

NO

TRACK DESC:

TRACK CLOSURE TIME:

MEDIA INTEREST: NONE

MEDIUM DESC:

WATER

ADDTL MEDIUM INFO:

BODY OF WATER:

RAIN GUTTER / ROADWAY

TRIBUTARY OF:

NEAREST RIVER MILE MARK:

RELEASE SECURED: UNKNOWN

EST DUR OF RELEASE:

RELEASE RATE:

TRACK CLOSE DIR:

ST AGENCY ON SCENE:

ST AGENCY RPT NUM:

OTHER AGENCY NOTIFIED:

WEATHER CONDITIONS:

AIR TEMPERATURE:

WIND SPEED:

WIND DIRECTION:

WATER SUPPLY CONTAM:

UNKNOWN

SHEEN SIZE:

SHEEN COLOR:

DIR OF SHEEN TRAVEL:

SHEEN ODOR DESCRIPTION:

WAVE CONDITION:

CURRENT SPEED:

CURRENT DIRECTION:

WATER TEMPERATURE:

DESC OF REMEDIAL ACTION:

NONE

EMPL FATALITY:

Orange County Transportation Authority

PASS FATALITY:

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***Environmental FirstSearch
Site Detail Report*****Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

ERNS

SEARCH ID: 95 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:		REV:	12/31/00
ADDRESS:	1501 RAYMOND	ID1:	NRC-547160
	ANAHEIM CA	ID2:	
	ORANGE	STATUS:	FIXED
CONTACT:		PHONE:	
SOURCE:	EPA		

COMMUNITY IMPACT:	NO	WIND SPEED UNITS:	
EMPLOYEE INJURIES:		PASSENGER INJURIES:	
OCCUPANT FATALITY:		CURRENT SPEED UNITS:	
ROAD CLOSURE UNITS:		TRACK CLOSURE UNITS:	
SHEEN SIZE UNITS:		STATE AGENCY NOTIFIED:	
FED AGENCY NOTIFIED:		NEAREST RIVER MILE MARK:	
SHEEN SIZE LENGTH:		SHEEN SIZE LENGTH UNITS:	
SHEEN SIZE WIDTH:		SHEEN SIZE WIDTH UNITS:	
OFFSHORE:	N	DURATION UNIT:	
RELEASE RATE UNIT:		RELEASE RATE RATE:	

ADDITIONAL INFO: THE MATERIAL IS CLEAR AND HAS A STRANGE ODOR.**MATERIAL INFORMATION**

CHRIS CODE:	UNK	CASE NUMBER:	000000-00-0
UN NUMBER:		REACHED WATER:	YES
NAME OF MATERIAL:	UNKNOWN MATERIAL		
AMOUNT OF MATERIAL:	0 UNKNOWN AMOUNT		
AMOUNT IN WATER:	0 UNKNOWN AMOUNT		

OTHER MATERIAL INFORMATION**MOBILE DETAILS INFORMATION****TRAIN INFORMATION****VESSEL INFORMATION**

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 94 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:		REV:	12/31/05
ADDRESS:	700 S RAYMOND	ID1:	NRC-762018
	FULLERTON CA 92832	ID2:	
	ORANGE	STATUS:	FIXED
CONTACT:	UNKNOWN	PHONE:	
SOURCE:	NRC		

SITE INFORMATION

THIS INFORMATION WAS OBTAINED FROM THE NATIONAL RESPONSE CENTER

DATE RECEIVED:	6/14/2005 7:42:14 AM	DATE COMPLETE:	
6/14/2005 7:46:06 AM			
CALL TAKER:	MAJ4739	CALL TYPE:	INC
RESPONSIBLE PARTY:	UNKNOWN		
PHONE 1:			
PHONE 2:			
PHONE 3:			
RESPONSIBLE COMPANY:	FROVSUN		
ORGANIZATION TYPE:	PRIVATE ENTERPRISE		
ADDRESS:	700 SOUTH RAYMOND		
	FULLERTON CA 92832		
SOURCE:	TELEPHONE		

INCIDENT INFORMATION

INCIDENT DESCRIPTION: THE CALLER STATED THAT AN AMMONIA SYSTEM HAS LEAKED MATERIAL.

INCIDENT TYPE:	FIXED	INCIDENT CAUSE:	UNKNOWN
INCIDENT DATE:	6/14/2005 4:35:00 AM	INCIDENT DATE DESC:	
OCCURRED			
DISTANCE FROM CITY:		DISTANCE UNITS:	
DIRECTION FROM CITY:		LOCATION SECTION:	
LOCATION TOWNSHIP:		LOCATION RANGE:	
AIRCRAFT TYPE:		AIRCRAFT MODEL:	
AIRCRAFT ID:		AIRCRAFT FUEL CAPACITY:	
AIRCRAFT FUEL CAPACITY UNITS:		AIRCRAFT FUEL ON BOARD:	
AIRCRAFT FUEL ON BOARD UNITS:		AIRCRAFT SPOT NUMBER:	
AIRCRAFT HANGER:		AIRCRAFT RUNWAY NUM:	
ROAD MILE MARKER:		BUILDING ID:	
TYPE OF FIXED OBJECT:	OTHER	POWER GEN FACILITY:	NO
GENERATING CAPACITY:		TYPE OF FUEL:	
NPDES:		NPDES COMPLIANCE:	UNKNOWN
PIPELINE TYPE:		DOT REGULATED:	UNKNOWN
PIPELINE ABOVE GROUND:	ABOVE	EXPOSED UNDERWATER:	NO
PIPELINE COVERED:	UNKNOWN	GRADE CROSSING:	NO
LOCATION SUBDIVISION:		RAILROAD MILEPOST:	
TYPE VEHICLE INVOLVED:		CROSSING DEVICE TYPE:	
DEVICE OPERATIONAL:	YES		
DOT CROSSING NUMBER:		BRAKE FAILURE:	NO
TANK ABOVE GROUND:	ABOVE	TRANSPORTABLE CONTAINER:	UNKNOWN

Environmental FirstSearch *Site Detail Report*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 94 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:		REV:	12/31/05
ADDRESS:	700 S RAYMOND	ID1:	NRC-762018
	FULLERTON CA 92832	ID2:	
	ORANGE	STATUS:	FIXED
CONTACT:	UNKNOWN	PHONE:	
SOURCE:	NRC		

TANK REGULATED:	UNKNOWN	TANK REGULATED BY:	
TANK ID:		CAPACITY OF TANK:	
CAPACITY OF TANK UNITS:		ACTUAL AMOUNT:	
ACTUAL AMOUNT UNITS:		PLATFORM RIG NAME:	
PLATFORM LETTER:		LOCATION AREA ID:	
LOCATION BLOCK ID:			

DESCRIPTION OF TANK:

OCSG NUMBER:		OCSP NUMBER:	
STATE LEASE NUMBER:		PIER DOCK NUMBER:	
BERTH SLIP NUMBER:		CONTIN RELEASE TYPE:	
INITIAL CONT RELEASE NUM:		CONT RELEASE PERMIT:	
ALLISION:	NO	TYPE OF STRUCTURE:	
STRUCTURE NAME:		STRUCT OPERATIONAL:	UNKNOWN
AIRBAG DEPLOYED:		DATE NORMAL SERVICE:	
SERVICE DISRUPT TIME:		SERVICE DISRUPT UNITS:	
TRANSIT BUS FLAG:		CR BEGIN DATE:	
CR END DATE:		CR CHANGE DATE:	

FIRE INVOLVED:	NO	FIRE EXTINGUISHED:	UNKNOWN
ANY EVACUATIONS:	NO	NUMBER EVACUATED:	
WHO EVACUATED:		RADIUS OF EVACUATION:	
ANY INJURIES:	NO	NUMBER INJURED:	
NUMBER HOSPITALIZED:		ANY FATALITIES:	NO
NUMBER FATALITIES:		ANY DAMAGES:	NO
DAMAGE AMOUNT:		AIR CORRIDOR CLOSED:	NO
AIR CORRIDOR DESC:		AIR CLOSURE TIME:	
WATERWAY CLOSED:	NO	WATERWAY DESC:	
WATERWAY CLOSURE TIME:		ROAD CLOSED:	NO
ROAD DESC:		ROAD CLOSURE TIME:	
CLOSURE DIRECTION:		MAJOR ARTERY:	NO

TRACK CLOSED:	NO	TRACK DESC:	
TRACK CLOSURE TIME:		MEDIA INTEREST:	NONE
MEDIUM DESC:	AIR	ADDTL MEDIUM INFO:	AIR
BODY OF WATER:		TRIBUTARY OF:	
NEAREST RIVER MILE MARK:		RELEASE SECURED:	UNKNOWN
EST DUR OF RELEASE:		RELEASE RATE:	
TRACK CLOSE DIR:		ST AGENCY ON SCENE:	
ST AGENCY RPT NUM:		OTHER AGENCY NOTIFIED:	
WEATHER CONDITIONS:	CLEAR	AIR TEMPERATURE:	50
WIND SPEED:		WIND DIRECTION:	
WATER SUPPLY CONTAM:	UNKNOWN	SHEEN SIZE:	
SHEEN COLOR:		DIR OF SHEEN TRAVEL:	
SHEEN ODOR DESCRIPTION:		WAVE CONDITION:	
CURRENT SPEED:		CURRENT DIRECTION:	
WATER TEMPERATURE:			

DESC OF REMEDIAL ACTION: FIRE DEPT WAS NOTIFIED / EMERGENCY TEAM ON THE SCENE

EMPL FATALITY:		PASS FATALITY:	
COMMUNITY IMPACT:	NO	WIND SPEED UNITS:	

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report*****Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

ERNS

SEARCH ID: 94 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:		REV:	12/31/05
ADDRESS:	700 S RAYMOND	ID1:	NRC-762018
	FULLERTON CA 92832	ID2:	
	ORANGE	STATUS:	FIXED
CONTACT:	UNKNOWN	PHONE:	
SOURCE:	NRC		

EMPLOYEE INJURIES:		PASSENGER INJURIES:	
OCCUPANT FATALITY:		CURRENT SPEED UNITS:	
ROAD CLOSURE UNITS:		TRACK CLOSURE UNITS:	
SHEEN SIZE UNITS:		STATE AGENCY NOTIFIED:	
FED AGENCY NOTIFIED:		NEAREST RIVER MILE MARK:	
SHEEN SIZE LENGTH:		SHEEN SIZE LENGTH UNITS:	
SHEEN SIZE WIDTH:		SHEEN SIZE WIDTH UNITS:	
OFFSHORE:	N	DURATION UNIT:	
RELEASE RATE UNIT:		RELEASE RATE RATE:	

ADDITIONAL INFO: THE CALLER HAD NO ADDITIONAL INFORMATION**MATERIAL INFORMATION**

CHRIS CODE:	AMA	CASE NUMBER:	007664-41-7
UN NUMBER:		REACHED WATER:	NO

NAME OF MATERIAL:	AMMONIA, ANHYDROUS
AMOUNT OF MATERIAL:	0 UNKNOWN AMOUNT
AMOUNT IN WATER:	

OTHER MATERIAL INFORMATION**MOBILE DETAILS INFORMATION****TRAIN INFORMATION****VESSEL INFORMATION**

***Environmental FirstSearch
Site Detail Report*****Target Property:** S RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

HWMANIFEST

SEARCH ID: 107 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:****NAME:** VERSACOLD
ADDRESS: 1415 N RAYMOND AVE
ANAHEIM CA 92801
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000305806
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

OTHER

SEARCH ID: 98 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:****NAME:**
ADDRESS: 641 COMMONWEALTH AVE
FULLERTON CA
ORANGE
CONTACT:
SOURCE: US DEA**REV:** 03/01/09
ID1: NCLRCA649
ID2:
STATUS: NOT REPORTED
PHONE:**NATIONAL CLANDESTINE LABORATORY REGISTER INFORMATION FOR THE STATE OF CALIFORNIA:****Seizure Date:** 12/7/2007

Environmental FirstSearch Descriptions

NPL: EPA NATIONAL PRIORITY LIST - The National Priorities List is a list of the worst hazardous waste sites that have been identified by Superfund. Sites are only put on the list after they have been scored using the Hazard Ranking System (HRS), and have been subjected to public comment. Any site on the NPL is eligible for cleanup using Superfund Trust money.

A Superfund site is any land in the United States that has been contaminated by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

FINAL - Currently on the Final NPL

PROPOSED - Proposed for NPL

NPL DELISTED: EPA NATIONAL PRIORITY LIST Subset - Database of delisted NPL sites. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

DELISTED - Deleted from the Final NPL

CERCLIS: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)- CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.

PART OF NPL- Site is part of NPL site

DELETED - Deleted from the Final NPL

FINAL - Currently on the Final NPL

NOT PROPOSED - Not on the NPL

NOT VALID - Not Valid Site or Incident

PROPOSED - Proposed for NPL

REMOVED - Removed from Proposed NPL

SCAN PLAN - Pre-proposal Site

WITHDRAWN - Withdrawn

NFRAP: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

NFRAP – No Further Remedial Action Plan

P - Site is part of NPL site

D - Deleted from the Final NPL

F - Currently on the Final NPL

N - Not on the NPL

O - Not Valid Site or Incident

P - Proposed for NPL

R - Removed from Proposed NPL

S - Pre-proposal Site

W – Withdrawn

RCRA COR ACT: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

RCRAInfo facilities that have reported violations and subject to corrective actions

RCRA TSD: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that treat, store, dispose, or incinerate hazardous waste.

RCRA GEN: EPA/MA DEP/CT DEP RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM GENERATORS - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that generate or transport hazardous waste or meet other RCRA requirements.

LGN - Large Quantity Generators

SGN - Small Quantity Generators

VGN – Conditionally Exempt Generator.

Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

CONNECTICUT HAZARDOUS WASTE MANIFEST – Database of all shipments of hazardous waste within, into or from Connecticut. The data includes date of shipment, transporter and TSD info, and material shipped and quantity. This data is appended to the details of existing generator records.

MASSACHUSETTES HAZARDOUS WASTE GENERATOR – database of generators that are regulated under the MA DEP.

VQN-MA = generates less than 220 pounds or 27 gallons per month of hazardous waste or waste oil.

SQN-MA = generates 220 to 2,200 pounds or 27 to 270 gallons per month of waste oil.

LQG-MA = generates greater than 2,200 lbs of hazardous waste or waste oil per month.

RCRA NLR: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities not currently classified by the EPA but are still included in the RCRAInfo database. Reasons for non classification:

Failure to report in a timely matter.

No longer in business.

No longer in business at the listed address.

No longer generating hazardous waste materials in quantities which require reporting.

ERNS: EPA/NRC EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) - Database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

Tribal Lands: DOI/BIA INDIAN LANDS OF THE UNITED STATES - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United

Federally-administered lands within a reservation which may or may not be considered part of the reservation.
BUREAU OF INDIAN AFFAIRS CONTACT - Regional contact information for the Bureau of Indian Affairs offices.

State/Tribal Sites: *CA EPA* SMBRPD / CAL SITES- The California Department of Toxic Substances Control (DTSC) has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems. The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), also known as CalSites, is used primarily by DTSC's staff as an informational tool to evaluate and track activities at properties that may have been affected by the release of hazardous substances.

The SMBRPD displays information in six categories. The categories are:

1. CalSites Properties (CS)
2. School Property Evaluation Program Properties (SCH)
3. Voluntary Cleanup Program Properties (VCP)
4. Unconfirmed Properties Needing Further Evaluation (RFE)
- Please Note: FirstSearch Reports list the above sites as DB Type (STATE).
5. Unconfirmed Properties Referred to Another Local or State Agency (REF)
6. Properties where a No Further Action Determination has been made (NFA)
- Please Note: FirstSearch Reports list the above sites as DB Type (OTHER).

Each Category contains information on properties based upon the type of work taking place at the site. For example, the CalSites database is now one of the six categories within SMPBRD and contains only confirmed sites considered as posing the greatest threat to the public and/or the potential public school sites will be found within the School Property Evaluation Program, and those properties undergoing voluntary investigation and/or cleanup are in the Voluntary Cleanup Program.

CORTESE LIST-Pursuant to Government Code Section 65962.5, the Hazardous Waste and Substances Sites List has been compiled by Cal/EPA, Hazardous Materials Data Management Program. The CAL EPA Dept. of Toxic Substances Control compiles information from subsets of the following databases to make up the CORTESE list:

1. The Dept. of Toxic Substances Control; contaminated or potentially contaminated hazardous waste sites listed in the CAL Sites database. Formerly known as ASPIS are included (CALSITES formerly known as ASPIS).
2. The California State Water Resources Control Board; listing of Leaking Underground Storage Tanks are included (LTANK)
3. The California Integrated Waste Management Board; Sanitary Landfills which have evidence of groundwater contamination or known migration of hazardous materials (formerly WB-LF, now AB 3750).

Note: Track Info Services collects each of the above data sets individually and lists them separately in the following First Search categories in order to provide more current and comprehensive information: CALSITES: SPL, LTANK: LUST, WB-LF: SWL

State Spills 90: *CA EPA* SLIC REGIONS 1 - 9- The California Regional Water Quality Control Boards maintain report of sites that have records of spills, leaks, investigation, and cleanups.

State/Tribal SWL: *CA IWMB/SWRCB/COUNTY* SWIS SOLID WASTE INFORMATION SYSTEM-The California Integrated Waste Management Board maintains a database on solid waste facilities, operations, and disposal sites throughout the state of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites. For more information on individual sites call the number listed in the source field..

Please Note: This database contains poor site location information for many sites in the First Search reports; therefore, it may not be possible to locate or plot some sites in First Search reports.

WMUDS-The State Water Resources Control Board maintained the Waste Management Unit Database System (WMUDS). It is no longer updated. It tracked management units for several regulatory programs related to waste management and its potential impact on groundwater. Two of these programs (SWAT & TPCA) are no longer on-going regulatory programs as described below. Chapter 15 (SC15) is still an on-going regulatory program and information is updated periodically but not to the WMUDS database. The WMUDS System contains information from the following agency databases: Facility, Waste Management Unit (WMU), Waste Discharger System (WDS), SWAT, Chapter 15, TPCA, RCRA, Inspections, Violations, and Enforcement's.

Note: This database contains poor site location information for many sites in the First Search reports; therefore, it may not be possible to locate or plot some sites in First Search reports.

ORANGE COUNTY LANDFILLS LIST- A list maintained by the Orange County Health Department.

database of sites with confirmed or unconfirmed leaking underground storage tanks. Information for this database is collected from the states regional boards quarterly and integrated with this database.

SAN DIEGO COUNTY LEAKING TANKS- The San Diego County Department of Environmental Health maintains a database of sites with confirmed or unconfirmed leaking underground storage tanks within its HE17/58 database. For more information on a specific file call the HazMat Duty Specialist at phone number listed in the source information field.

State/Tribal UST/AST: CA EPA/COUNTY/CITY ABOVEGROUND STORAGE TANKS LISTING-The Above Ground Petroleum Storage Act became State Law effective January 1, 1990. In general, the law requires owners or operators of AST's with petroleum products to file a storage statement and pay a fee by July 1, 1990 and every two years thereafter, take specific action to prevent spills, and in certain instances implement a groundwater monitoring program. This law does not apply to that portion of a tank facility associated with the production oil and regulated by the State Division of Oil and Gas of the Dept. of Conservation.

SWEEPS / FIDS STATE REGISTERED UNDEGROUND STORAGE TANKS- Until 1994 the State Water Resources Control Board maintained a database of registered underground storage tanks statewide referred to as the SWEEPS System. The SWEEPS UST information was integrated with the CAL EPA's Facility Index System database (FIDS) which is a master index of information from numerous California agency environmental databases. That was last updated in 1994. Track Info Services included the UST information from the FIDS database in its First Search reports for historical purposes to help its clients identify where tanks may possibly have existed. For more information on specific sites from individual paper files archived at the State Water Resources Control Board call the number listed with the source information.

INDIAN LANDS UNDERGROUND STORAGE TANKS LIST- A listing of underground storage tanks currently on Indian Lands under federal jurisdiction. California Indian Land USTS are administered by US EPA Region 9.

CUPA DATABASES & SOURCES- Definition of a CUPA: A Certified Unified Program Agency (CUPA) is a local agency that has been certified by the CAL EPA to implement six state environmental programs within the local agency's jurisdiction. These can be a county, city, or JPA (Joint Powers Authority). This program was established under the amendments to the California Health and Safety Code made by SB 1082 in 1994.

A Participating Agency (PA) is a local agency that has been designated by the local CUPA to administer one or more Unified Programs within their jurisdiction on behalf of the CUPA. A Designated Agency (DA) is an agency that has not been certified by the CUPA but is the responsible local agency that would implement the six unified programs until they are certified.

Please Note: Track Info Services, LLC collects and maintains information regarding Underground Storage Tanks from majority of the CUPAS and Participating Agencies in the State of California. These agencies typically do not maintain nor release such information on a uniform or consistent schedule; therefor, currency of the data may vary. Please look at the details on a specific site with a UST record in the First Search Report to determine the actual currency date of the record as provided by the relevant agency. Numerous efforts are made on a regular basis to obtain updated records.

State/Tribal IC: CA EPA DEED-RESTRICTED SITES LISTING- The California EPA's Department of Toxic Substances Control Board maintains a list of deed-restricted sites, properties where the DTSC has placed limits or requirements on the future use of the property due to varying levels of cleanup possible, practical or necessary at the site.

State/Tribal VCP: CA EPA SMBRPD / CAL SITES- The California Department of Toxic Substances Control (DTSC) has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems. The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), also known as CalSites, is used primarily by DTSC's staff as an informational tool to evaluate and track activities at properties that may have been affected by the release of hazardous substances. The Voluntary Cleanup Program (VCP) category contains only those properties undergoing voluntary investigation and/or cleanup and which are listed in the Voluntary Cleanup Program.

Please Note: FirstSearch Reports list the above sites as DB Type VC.

RADON: NTIS NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

State Permits: CA EPA/COUNTY SAN DIEGO COUNTY HE17 PERMITS- The HE17/58 database tracks establishments issued permits and the status of their permits in relation to compliance with federal, state, and local laws. The database also tracks if a site is a hazardous waste generator.

underground tanks, violations, or unauthorized releases. For more information on a specific file call the HazMat Duty Specialist at the phone number listed in the source information field.

SAN BERNARDINO COUNTY HAZARDOUS MATERIALS PERMITS- Handlers and Generators Permit Information Maintained by the Hazardous Materials Division.

DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY-Records maintained by the CA DTSC of Hazardous Waste Manifests used to track and document the transport of hazardous waste from a generator's site to the site of its final disposition.

State Other: *US DOJ* NATIONAL CLANDESTINE LABORATORY REGISTER - Database of addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the U.S. Department of Justice ("the Department"), and the Department has not verified the entry and does not guarantee its accuracy. All sites that are included in this data set will have an id that starts with NCLR.

State Other: *CA EPA/COUNTY* SMBRPD / CAL SITES- The California Department of Toxic Substances Control (DTSC) has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems. The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), also known as CalSites, is used primarily by DTSC's staff as an informational tool to evaluate and track activities at properties that may have been affected by the release of hazardous substances.

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Each Category contains information on properties based upon the type of work taking place at the site. For example, the CalSites database is now one of the six categories within SMPBRD and contains only confirmed sites considered as posing the greatest threat to the public and/or the potential public school sites will be found within the School Property Evaluation Program, and those properties undergoing voluntary investigation and/or cleanup are in the Voluntary Cleanup Program. LA COUNTY SITE MITIGATION COMPLAINT CONTROL LOG- The County of Los Angeles Public Health Investigation Compliant Control Log.

ORANGE COUNTY INDUSTRIAL SITE CLEANUPS- List maintained by the Orange County Environmental Health Agency.

RIVERSIDE COUNTY WASTE GENERATORS-A list of facilities in Riverside County which generate hazardous waste.

SACRAMENTO COUNTY MASTER HAZMAT LIST-Master list of facilities within Sacramento County with potentially hazardous materials.

SACRAMENTO COUNTY TOXIC SITE CLEANUPS-A list of sites where unauthorized releases of potentially hazardous materials have occurred.

Environmental FirstSearch Database Sources

NPL: *EPA* Environmental Protection Agency

Updated quarterly

NPL DELISTED: *EPA* Environmental Protection Agency

Updated quarterly

CERCLIS: *EPA* Environmental Protection Agency

Updated quarterly

NFRAP: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA COR ACT: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA TSD: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA GEN: *EPA/MA DEP/CT DEP* Environmental Protection Agency, Massachusetts Department of Environmental Protection, Connecticut Department of Environmental Protection

Updated quarterly

RCRA NLR: *EPA* Environmental Protection Agency

Updated quarterly

ERNS: *EPA/NRC* Environmental Protection Agency

Updated annually

Tribal Lands: *DOI/BIA* United States Department of the Interior

Updated annually

State/Tribal Sites: *CA EPA* The CAL EPA, Depart. Of Toxic Substances Control
Phone: (916) 323-3400

*Updated quarterly/when available***State Spills 90: CA EPA** The California State Water Resources Control Board*Updated when available***State/Tribal SWL: CA IWMB/SWRCB/COUNTY** The California Integrated Waste Management Board

Phone:(916) 255-2331

The State Water Resources Control Board

Phone:(916) 227-4365

Orange County Health Department

*Updated quarterly/when available***State/Tribal LUST: CA SWRCB/COUNTY** The California State Water Resources Control Board

Phone:(916) 227-4416

San Diego County Department of Environmental Health

*Updated quarterly/when available***State/Tribal UST/AST: CA EPA/COUNTY/CITY** The State Water Resources Control Board

Phone:(916) 227-4364

CAL EPA Department of Toxic Substances Control

Phone:(916)227-4404

US EPA Region 9 Underground Storage Tank Program

Phone: (415) 972-3372

ALAMEDA COUNTY CUPA:

* County of Alameda Department of Environmental Health

* Cities of Berkeley, Fremont, Hayward, Livermore / Pleasanton, Newark, Oakland, San Leandro, Union

ALPINE COUNTY CUPA:

* Health Department (Only updated by agency sporadically)

AMADOR COUNTY CUPA:

* County of Amador Environmental Health Department

BUTTE COUNTY CUPA

* County of Butte Environmental Health Division (Only updated by agency biannually)

CALAVERAS COUNTY CUPA:

* County of Calaveras Environmental Health Department

COLUSA COUNTY CUPA:

* Environmental Health Dept.

CONTRA COSTA COUNTY CUPA:

* Hazardous Materials Program

DEL NORTE COUNTY CUPA:

* Department of Health and Social Services

EL DORADO COUNTY CUPAS:

* County of El Dorado Environmental Health - Solid Waste Div (Only updated by agency annually)

* County of El Dorado EMD Tahoe Division (Only updated by agency annually)

FRESNO COUNTY CUPA:

* Haz. Mat and Solid Waste Programs

GLENN COUNTY CUPA:

* Air Pollution Control District

HUMBOLDT COUNTY CUPA:

* Environmental Health Division

IMPERIAL COUNTY CUPA:

* Department of Planning and Building

INYO COUNTY CUPA:

KERN COUNTY CUPA:

- * County of Kern Environmental Health Department
- * City of Bakersfield Fire Department

KINGS COUNTY CUPA:

- * Environmental Health Services

LAKE COUNTY CUPA:

- * Division of Environmental Health

LASSEN COUNTY CUPA:

- * Department of Agriculture

LOS ANGELES COUNTY CUPAS:

- * County of Los Angeles Fire Department CUPA Data as maintained by the Los Angeles County Department of Public Works
- * County of Los Angeles Environmental Programs Division
- * Cities of Burbank, El Segundo, Glendale, Long Beach/Signal Hill, Los Angeles, Pasadena, Santa Fe Springs, Santa Monica, Torrance, Vernon

MADERA COUNTY CUPA:

- * Environmental Health Department

MARIN COUNTY CUPA:

- * County of Marin Office of Waste Management
- * City of San Rafael Fire Department

MARIPOSA COUNTY CUPA:

- * Health Department

MENDOCINO COUNTY CUPA:

- * Environmental Health Department

MERCED COUNTY CUPA:

- * Division of Environmental Health

MODOC COUNTY CUPA:

- * Department of Agriculture

MONO COUNTY CUPA:

- * Health Department

MONTEREY COUNTY CUPA:

- * Environmental Health Division

NAPA COUNTY CUPA:

- * Hazardous Materials Section

NEVADA COUNTY CUPA:

- * Environmental Health Department

ORANGE COUNTY CUPAS:

- * County of Orange Environmental Health Department
- * Cities of Anaheim, Fullerton, Orange, Santa Ana
- * County of Orange Environmental Health Department

PLACER COUNTY CUPAS:

- * County of Placer Division of Environmental Health Field Office
- * Tahoe City
- * City of Roseville Roseville Fire Department

PLUMAS COUNTY CUPA:

- * Environmental Health Department

RIVERSIDE COUNTY CUPA:

- * Environmental Health Department

SACRAMENTO COUNTY CUPA:

- * County Environmental Mgmt Dept, Haz. Mat. Div.

SAN BENITO COUNTY CUPA:

- * City of Hollister Environmental Service Department

SAN BERNARDINO COUNTY CUPAS:

- * County of San Bernardino Fire Department, Haz. Mat. Div.
- * City of Hesperia Hesperia Fire Prevention Department
- * City of Victorville Victorville Fire Department

SAN DIEGO COUNTY CUPA:

- * The San Diego County Dept. of Environmental Health HE 17/58

SAN FRANCISCO COUNTY CUPA:

Orange County Transportation Authority

SAN JOAQUIN COUNTY CUPA:

- * Environmental Health Division

SAN LUIS OBISPO COUNTY CUPAS:

- * County of San Luis Obispo Environmental Health Division
- * City of San Luis Obispo City Fire Department

SAN MATEO COUNTY CUPA:

- * Environmental Health Department

SANTA BARBARA COUNTY CUPA:

- * County Fire Dept Protective Services Division

SANTA CLARA COUNTY CUPAS:

- * County of Santa Clara Hazardous Materials Compliance Division
- * Santa Clara County Central Fire Protection District (Covers Campbell, Cupertino, Los Gatos, & Morgan Hill)
- * Cities of Gilroy, Milpitas, Mountain View, Palo Alto, San Jose Fire, Santa Clara, Sunnyvale

SANTA CRUZ COUNTY CUPA:

- * Environmental Health Department

SHASTA COUNTY CUPA:

- * Environmental Health Department

SIERRA COUNTY CUPA:

- * Health Department

SISKIYOU COUNTY CUPA:

- * Environmental Health Department

SONOMA COUNTY CUPAS:

- * County of Sonoma Department Of Environmental Health
- * Cities of Healdsburg / Sebastopol, Petaluma, Santa Rosa

STANISLAUS COUNTY CUPA:

- * Department of Environmental Resources Haz. Mat. Division

SUTTER COUNTY CUPA:

- * Department of Agriculture

TEHAMA COUNTY CUPA:

- * Department of Environmental Health

TRINITY COUNTY CUPA:

- * Department of Health

TULARE COUNTY CUPA:

- * Environmental Health Department

TUOLUMNE COUNTY CUPA:

- * Environmental Health

VENTURA COUNTY CUPAS:

- * County of Ventura Environmental Health Division
- * Cities of Oxnard, Ventura

YOLO COUNTY CUPA:

- * Environmental Health Department

YUBA COUNTY CUPA:

Updated quarterly/annually/when available

State/Tribal IC: CA EPA The California EPA Department of Toxic Substances Control.

Updated Updated quarterly/annually/when available

State/Tribal VCP: CA EPA The California EPA Department of Toxic Substances Control.

Updated Updated quarterly/annually/when available

RADON: NTIS Environmental Protection Agency, National Technical Information Services

Updated periodically

State Permits: *CA EPA/COUNTY* The San Diego County Depart. Of Environmental Health
Phone:(619) 338-2211
San Bernardino County Fire Department
Phone:(909) 387-3080
CAL EPA, Department of Toxic Substances Control

Updated quarterly/when available

State Other: *US DOJ* U.S. Department of Justice

Updated when available

State Other: *CA EPA/COUNTY* The CAL EPA, Depart. Of Toxic Substances Control
Phone: (916) 323-3400
The Los Angeles County Hazardous Materials Division
Phone: (323) 890-7806
Orange County Environmental Health Agency
Phone: (714) 834-3536
Riverside County Department of Environmental Health, Hazardous Materials Management Division
Phone:(951) 358-5055
Sacramento County Environmental Management Department

Updated quarterly/when available

*Environmental FirstSearch**Street Name Report for Streets within .25 Mile(s) of Target Property*

Target Property: S RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

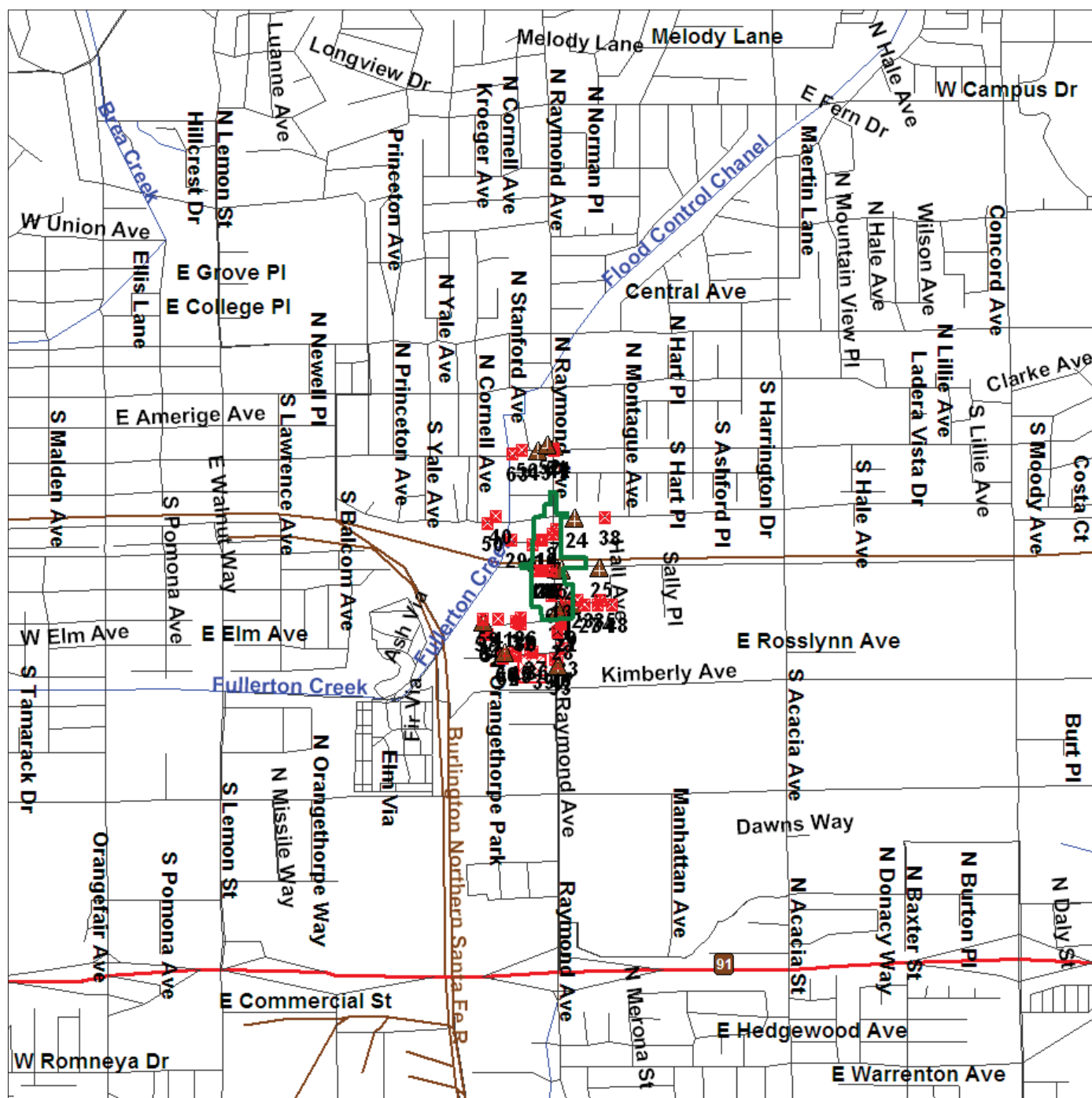
Street Name	Dist/Dir	Street Name	Dist/Dir
E Ash Ave	0.00 --		
E Commonwealth Ave	0.09 NW		
E Elm Ave	0.07 SW		
E Kimberly Ave	0.16 SW		
E Raymond Way	0.23 SW		
E Santa Fe Ave	0.04 NW		
E Sudene Ave	0.04 N-		
E Truslow Ave	0.00 --		
E Valencia Dr	0.00 --		
E Walnut Ave	0.00 --		
E Wilshire Ave	0.23 NW		
Hall Ave	0.02 SE		
Kimberly Ave	0.15 SE		
Linwood Pl	0.20 NW		
N Cornell Ave	0.22 NW		
N Hart Pl	0.23 NE		
N Janet Pl	0.20 NE		
N Lincoln Ave	0.25 NW		
N Montague Ave	0.14 NE		
N Orangethorpe Park	0.25 SW		
N Raymond Ave	0.10 NW		
N Stanford Ave	0.13 NW		
Revere Ave	0.22 NE		
S Annin Ave	0.22 NE		
S Cornell Ave	0.17 NW		
S Edgar Ave	0.00 --		
S Hart Pl	0.18 NE		
S Janet Pl	0.13 NE		
S Lincoln Ave	0.21 NW		
S Montague Ave	0.08 NE		
S Norman Ave	0.03 NE		
S Raymond Ave	0.00 --		
Sally Pl	0.12 -E		



Environmental FirstSearch
1 Mile Radius from Area
Single Map:



S RAYMOND AVE, FULLERTON CA 92831

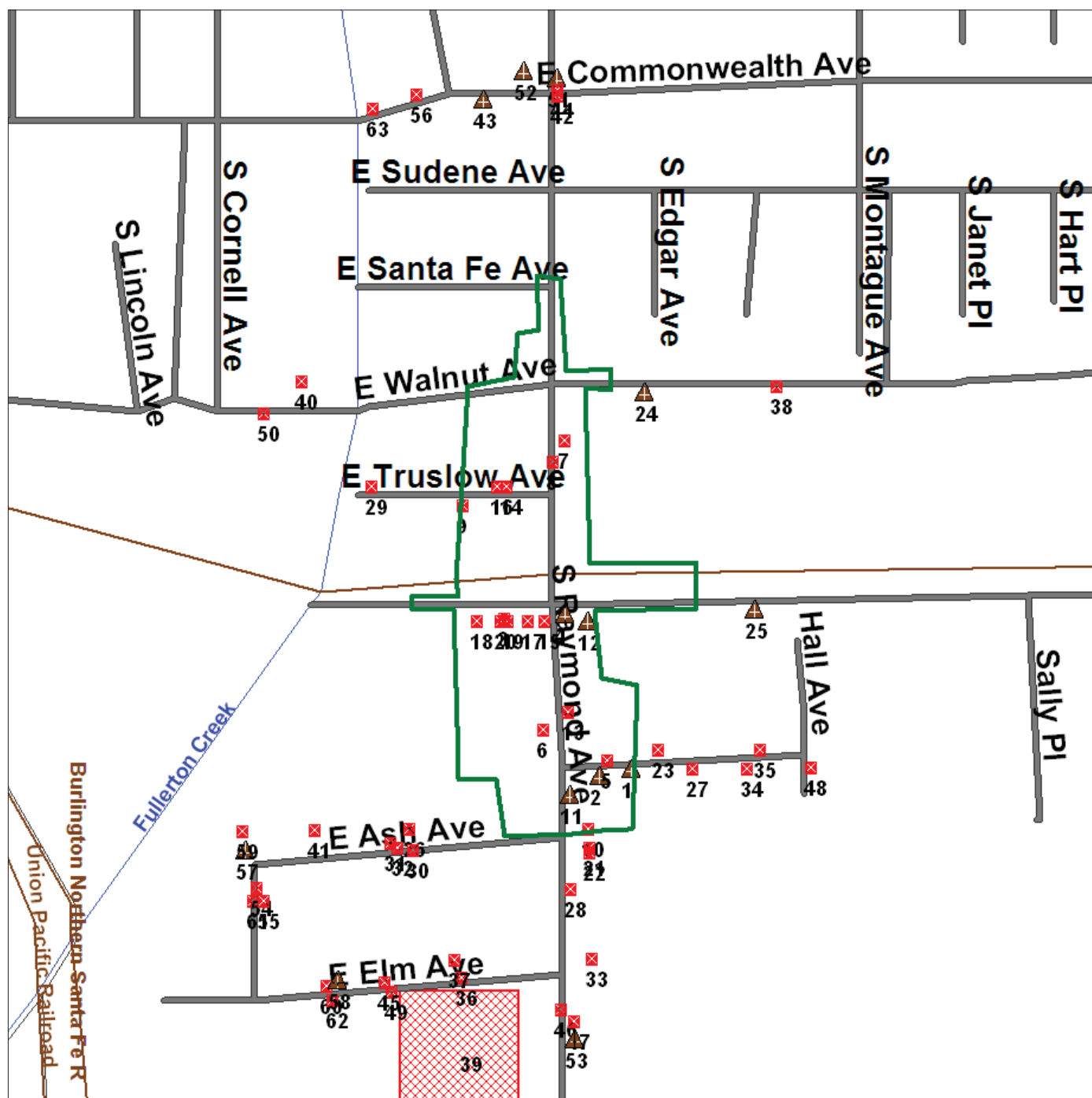


Source: U.S. Census TIGER Files

Area Polygon	
Identified Site, Multiple Sites, Receptor	
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	
Triballand.....	
Railroads	
Orange County Transportation Authority	



S RAYMOND AVE, FULLERTON CA 92831



Source: U.S. Census TIGER Files

Area Polygon	
Identified Site, Multiple Sites, Receptor	
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	
Triballand.....	
Railroads	

Orange County Transportation Authority

TRACK ► INFO SERVICES, LLC

Environmental FirstSearch™ Report

Target Property:

**RAYMOND AVE
FULLERTON CA 92831**

Job Number: 208109001

PREPARED FOR:

Ninyo and Moore
475 Goddard, Suite 200
Irvine, CA 92618

10-11-10



Tel: (866) 664-9981
Orange County Transportation Authority

Fax: (818) 249-4227
EXHIBIT K Page 215 of 377

Search Summary Report

Target Site: RAYMOND AVE
FULLERTON CA 92831

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	08-01-10	0.12	0	0	-	-	-	0	0
NPL Delisted	Y	08-02-10	0.12	0	0	-	-	-	0	0
CERCLIS	Y	08-31-10	0.12	0	0	-	-	-	0	0
NFRAP	Y	08-31-10	0.12	0	1	-	-	-	0	1
RCRA COR ACT	Y	07-14-10	0.12	0	0	-	-	-	0	0
RCRA TSD	Y	07-14-10	0.12	0	0	-	-	-	0	0
RCRA GEN	Y	07-14-10	0.12	0	20	-	-	-	0	20
RCRA NLR	Y	07-14-10	0.12	0	1	-	-	-	0	1
Federal Brownfield	Y	10-01-10	0.12	0	0	-	-	-	0	0
ERNS	Y	07-23-10	0.12	0	1	-	-	-	1	2
Tribal Lands	Y	12-01-05	0.12	0	0	-	-	-	2	2
State/Tribal Sites	Y	08-04-10	0.12	0	1	-	-	-	1	2
State Spills 90	Y	06-22-10	0.12	0	6	-	-	-	0	6
State/Tribal SWL	Y	09-29-10	0.12	0	0	-	-	-	0	0
State/Tribal LUST	Y	06-22-10	0.12	0	6	-	-	-	0	6
State/Tribal UST/AST	Y	09-22-10	0.12	0	3	-	-	-	2	5
State/Tribal EC	Y	NA	0.12	0	0	-	-	-	0	0
State/Tribal IC	Y	08-04-10	0.12	0	0	-	-	-	0	0
State/Tribal VCP	Y	08-04-10	0.12	0	0	-	-	-	0	0
State/Tribal Brownfields	Y	NA	0.12	0	0	-	-	-	0	0
State Permits	Y	06-22-10	0.12	0	0	-	-	-	0	0
State Other	Y	08-04-10	0.12	0	0	-	-	-	0	0
Federal IC/EC	Y	08-26-10	0.12	0	0	-	-	-	0	0
HW Manifest	Y	08-02-10	0.12	0	36	-	-	-	0	36
- TOTALS -				0	75	0	0	0	6	81

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services's services proceeding are signifying an understanding of TRACK Info Services's searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

***Environmental FirstSearch
Site Information Report***

Request Date: 10-11-10
Requestor Name: beth padgett
Standard: ASTM-05

Search Type: LINEAR
 0.83 mile(s)
Job Number: 208109001
Filtered Report

Target Site: RAYMOND AVE
 FULLERTON CA 92831

Demographics

Sites: 81	Non-Geocoded: 6	Population: NA
Radon: NA		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
Longitude:	-117.899933	-117:53:60	Easting:	416760.677
Latitude:	33.867013	33:52:1	Northing:	3747581.091
Elevation:	N/A		Zone:	11

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)

Services:

ZIP Code	City Name	ST	Dist/Dir	Sel
92801	ANAHEIM	CA	0.26 SW	Y
92805	ANAHEIM	CA	0.73 SE	Y
92806	ANAHEIM	CA	0.63 SE	Y
92832	FULLERTON	CA	0.12 NW	Y
92870	PLACENTIA	CA	0.65 SE	Y

	Requested?	Date
Fire Insurance Maps	No	
Aerial Photographs	Yes	10-11-10
Historical Topos	No	
City Directories	No	
Title Search/Env Liens	No	
Municipal Reports	No	
Online Topos	No	

Environmental FirstSearch
Target Site Summary Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 81 **GEOCODED:** 75 **NON GEOCODED:** 6 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
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***Environmental FirstSearch
Sites Summary Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 81 **GEOCODED:** 75 **NON GEOCODED:** 6 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
1	RCRAGN	AMERICAN ELECTRONICS, INC CAD981390909/SGN	1600 E VALENCIA DR FULLERTON CA 92631	0.02 SE	N/A	1
1	UST	AMERICAN ELECTRONICS INC TISID-STATE34426/ACTIVE	1600 VALENCIA FULLERTON CA 92631	0.02 SE	N/A	2
1	SPILLS	AMERICAN ELECTRONICS SLC8_111/POST INVESTIGATION-R	1600 E VALENCIA DR FULLERTON CA	0.02 SE	N/A	2
1	LUST	AMERICAN ELECTRONICS INC T0605901825/COMPLETED - CASE CLO	1600 VALENCIA DR FULLERTON CA 92631	0.02 SE	N/A	3
2	RCRAGN	TERRYS AUTOMOTIVE INC CAR000080614/SGN	500 S RAYMOND UNIT D FULLERTON CA 92831	0.02 SE	N/A	4
2	RCRAGN	WHEELS AUTO BODY and PAINT SHO CAD982413536/SGN	500 S RAYMOND AVE I FULLERTON CA 92631	0.02 SE	N/A	5
2	RCRAGN	HONDA CAR SPECIAITY CAD983584459/SGN	500 S RAYMOND C FULLERTON CA 92631	0.02 SE	N/A	6
3	SPILLS	WEBER AIRCRAFT FACILITY FORMER G_SL605992769/COMPLETED - CASE CLO	1300 EAST VALENCIA DR FULLERTON CA	0.02 S-	N/A	7
3	SPILLS	WEBER AIRCRAFT FACILITY SLC8_323/ADDITIONAL CHARACTER	1300 E VALENCIA DR FULLERTON CA	0.02 S-	N/A	8
3	RCRAGN	MONOGRAM SYSTEMS CAD009608894/SGN	1300 VALENCIA DR FULLERTON CA 92631	0.02 S-	N/A	9
3	SPILLS	WEYERHAESER COMPANY SLC8_110/CLOSED	1300 E VALENCIA AVE FULLERTON CA	0.02 S-	N/A	10
3	SPILLS	WEYERHAESER COMPANY G_SLT8R2264004/COMPLETED - CASE CL	1300 EAST VALENCIA AVE FULLERTON CA	0.02 S-	N/A	11
3	RCRANLR	MONOGRAM SYSTEMS CAD009608894/NLR	1300 VALENCIA DR FULLERTON CA 92631	0.02 S-	N/A	12
4	RCRAGN	OMNI OPTICAL CAP000040006/SGN	360 S ACACIA AVE FULLERTON CA 92831	0.02 N-	N/A	13
5	SPILLS	AMERICAN ELECTRONICS G_SLT8R2274005/COMPLETED - CASE CL	1600 EAST VALENCIA AVE FULLERTON CA	0.02 SE	N/A	14
6	LUST	NUTRI FOODS T0605972032/COMPLETED - CASE CLO	360 ACACIA FULLERTON CA 92831	0.02 N-	N/A	15
7	HWMANIFEST	TOPLINE PAINT and BODY INC CAL000224609/INACTIVE	500 SOUTH RAYMOND STE AVE FULLERTON CA 92831	0.02 SE	N/A	17
7	HWMANIFEST	TOP AUTO REPAIR CAL000284590/ACTIVE	500 SOUTH RAYMOND AVE FULLERTON CA 92831	0.02 SE	N/A	18
7	HWMANIFEST	TURY Z CONCEPTS INC CAL000277560/ACTIVE	500 SOUTH RAYMOND STE AVE FULLERTON CA 92831	0.02 SE	N/A	18
7	HWMANIFEST	BETO S PAINT and BODY INC CAL000223437/ACTIVE	500 SOUTH RAYMOND STE AVE FULLERTON CA 92831	0.02 SE	N/A	20
7	HWMANIFEST	TOPS AUTO BODY CAL000291186/ACTIVE	500 SOUTH RAYMOND UNIT AVE FULLERTON CA 92831	0.02 SE	N/A	21

***Environmental FirstSearch
Sites Summary Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 81 **GEOCODED:** 75 **NON GEOCODED:** 6 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
8	HWMANIFEST	GOLDEN WEST TECHNOLOGY CAL000001710/ACTIVE	1178 EAST VALENCIA DR FULLERTON CA 92831	0.02 SW	N/A	23
9	HWMANIFEST	GRAPHICS 2000 CAL000170819/ACTIVE	1600 EAST VALENCIA DR FULLERTON CA 92831	0.02 SE	N/A	25
9	HWMANIFEST	GRAPHIC TECH, LLC CAL000172479/ACTIVE	1600 EAST VALENCIA DR FULLERTON CA 92831	0.02 SE	N/A	27
10	HWMANIFEST	NATIONAL TECHNICAL SYSTEMS CAD982013625/ACTIVE	1536 EAST VALENCIA DR FULLERTON CA 92831	0.02 SE	N/A	29
11	HWMANIFEST	VEG-LAND CAL000222981/ACTIVE	1518 EAST VALENCIA DR FULLERTON CA 92831	0.02 SE	N/A	31
12	HWMANIFEST	THE RIGHT CONNECTION SPORTSWEA CAL000318919/ACTIVE	371 SOUTH ACACIA AVE FULLERTON CA 92831	0.02 N-	N/A	32
13	HWMANIFEST	COR-O-VAN MOVING and STORAGE CAL000297842/ACTIVE	2100 EAST VALENCIA DR FULLERTON CA 92831	0.02 SE	N/A	32
14	RCRAGN	CREATIVE SIGNS CAD083154039/SGN	1158 E VALENCIA DR FULLERTON CA 92631	0.03 SW	N/A	33
15	RCRAGN	S C PRECISION MOLDS INC CAD982506040/SGN	419 S ACACIA AVE FULLERTON CA 92631	0.03 S-	N/A	34
16	RCRAGN	WHITNON GMN CAD983668088/SGN	369 S ACACIA AVE FULLERTON CA 92631	0.03 N-	N/A	35
17	HWMANIFEST	KMP ENGINEERING CONTRACTORS IN CAL000273888/ACTIVE	1164 EAST VALENCIA DR FULLERTON CA 92831	0.03 SW	N/A	36
18	HWMANIFEST	TIME BUSINESS FORMS INC CAL000182519/ACTIVE	1146 EAST VALENCIA DR FULLERTON CA 92831	0.03 SW	N/A	38
19	HWMANIFEST	UNIT INDUSTRIES INC CAL000309509/ACTIVE	1140 EAST VALENCIA DR FULLERTON CA 92831	0.03 SW	N/A	39
20	UST	KHYBER FOODS INC TISID-STATE34506/ACTIVE	500 ACACIA FULLERTON CA 92831	0.04 S-	N/A	39
21	HWMANIFEST	SHARK ATTACK GRAPHICS CAL000308198/ACTIVE	1120 EAST VALENCIA DR FULLERTON CA 92831	0.04 SW	N/A	40
22	HWMANIFEST	A-1 SAW and TOOL INC CAL000163516/ACTIVE	1110 TRUSLOW FULLERTON CA 92831	0.05 NW	N/A	42
23	HWMANIFEST	FULLER LABORATORIES CAL000224897/INACTIVE	1135 EAST TRUSLOW AVE FULLERTON CA 92831	0.05 NW	N/A	44
24	HWMANIFEST	JERRY ROSE CO CAL000174458/ACTIVE	1125 EAST TRUSLOW AVE FULLERTON CA 92831	0.05 NW	N/A	46
25	HWMANIFEST	WD and J MACHINE and ENGINEERI CAL000257443/ACTIVE	443 SOUTH ACACIA AVE FULLERTON CA 92831	0.05 S-	N/A	47
26	LUST	CLASSIC MARBLE T0605901605/COMPLETED - CASE CLO	371 RAYMOND AVE FULLERTON CA 92831	0.06 NW	N/A	48

***Environmental FirstSearch
Sites Summary Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 81 **GEOCODED:** 75 **NON GEOCODED:** 6 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
27	STATE	CHICAGO MUSICAL INSTRUMENTS (F CAL60001251/ACTIVE	350 S RAYMOND AVE FULLERTON CA 92831	0.07 NW	N/A	49
28	HWMANIFEST	E.J. WHITNEY CO INC CAL000089845/ACTIVE	529 SOUTH RAYMOND AVE FULLERTON CA 92831	0.07 SE	N/A	51
29	RCRAGN	SEMAAN PRINTING CO INC CAD983652686/SGN	535 S RAYMOND AVE FULLERTON CA 92631	0.08 SW	N/A	52
30	RCRAGN	CANNING GUMM INC WESTERN DIV CAP000043307/SGN	1404 E WALNUT AVE STE B FULLERTON CA 92631	0.09 NW	N/A	53
31	RCRAGN	RECKITT BENCKISER INC CAP000067801/LGN	701 S SALLY PL UNIT A FULLERTON CA 92831	0.09 SE	N/A	53
31	RCRAGN	CAROLINA LOGISTICS SERVICES LL CAR000175257/LGN	701 S SALLY PL FULLERTON CA 92831	0.09 SE	N/A	54
32	RCRAGN	MACDERMID INC CAR000059758/SGN	1404 E WALNUT UNIT B FULLERTON CA 92831	0.09 N-	N/A	55
33	LUST	ALL-ROADS MOVING AND STORAGE T0605900546/COMPLETED - CASE CLO	1400 WALNUT AVE FULLERTON CA 92631	0.09 NW	N/A	56
34	LUST	ALLERGAN T0605901018/COMPLETED - CASE CLO	1410 WALNUT FULLERTON CA 92631	0.09 NW	N/A	57
35	HWMANIFEST	US DELIVERY CAL000017265/INACTIVE	1250 EAST WALNUT AVE FULLERTON CA 92831	0.09 NW	N/A	59
35	HWMANIFEST	FBI EXPRESS INC CAL000302246/ACTIVE	1250 EAST WALNUT AVE FULLERTON CA 92831	0.09 NW	N/A	60
36	HWMANIFEST	KRAFT FOODS INC CAL000050746/ACTIVE	1500 EAST WALNUT FULLERTON CA 92831	0.09 NW	N/A	62
37	HWMANIFEST	MIHM S TRUCK REPAIR CAL000263610/ACTIVE	1526 EAST WALNUT AVE FULLERTON CA 92831	0.09 NW	N/A	63
38	HWMANIFEST	RAYMAC GRINDING CO CAL000070279/ACTIVE	1207 EAST ASH AVE FULLERTON CA 92831	0.09 SE	N/A	65
39	HWMANIFEST	SECURITY SIGNAL DEVICES INC/DB CAL000290149/ACTIVE	1227 EAST ASH ST FULLERTON CA 92831	0.09 S-	N/A	66
40	HWMANIFEST	JACO ENVIRONMENTAL INC CAL000300124/ACTIVE	331 SOUTH HALE STE AandB AV FULLERTON CA 92831	0.09 N-	N/A	66
41	NFRAP	WESTERN ROTO ENGRAVERS INC CAT080025018/NFRAP-N	1224 E ASH ST FULLERTON CA 92631	0.10 SE	N/A	66
41	RCRAGN	WESTERN ROTO ENGRAVERS CAT080025018/SGN	1224 E ASH ST FULLERTON CA 92631	0.10 SE	N/A	67
42	UST	ATLAS COPCO RENTAL INC TISID-STATE34507/ACTIVE	1212 ASH FULLERTON CA 92631	0.10 SE	N/A	68
42	RCRAGN	ATLAS COPCO INC CAD983616699/SGN	1212 E ASH AVE FULLERTON CA 92631	0.10 SE	N/A	69

***Environmental FirstSearch
Sites Summary Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 81 **GEOCODED:** 75 **NON GEOCODED:** 6 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
42	LUST	ATLAS COPCO RENTAL INC. T0605902049/COMPLETED - CASE CLO	1212 ASH ST FULLERTON CA 92831	0.10 SE	N/A	70
43	RCRAGN	C AND C MACHINE CAD983651647/SGN	1101 E TRUSLOW AVE FULLERTON CA 92631	0.10 NW	N/A	71
44	RCRAGN	KRYLER CORP. CAD981452915/LGN	1217 E ASH FULLERTON CA 92631	0.10 SE	N/A	72
45	RCRAGN	CALIFORNIA ALMOND GROWERS CAD981369622/SGN	325 S HALE AVE FULLERTON CA 92631	0.10 N-	N/A	73
46	ERNS	CAT TRUCK LINE 259788/UNKNOWN (EPA REGIONS)	1522 E. WALNUT FULLERTON CA 92631	0.10 NW	N/A	75
47	HWMANIFEST	BC2 ENVIRONMENTAL CORPORATION CAL000259214/ACTIVE	1212 EAST ASH AVE FULLERTON CA 92831	0.10 S-	N/A	76
48	HWMANIFEST	SANTANA SERVICES CAL000196840/ACTIVE	1224 EAST ASH AVE FULLERTON CA 92831	0.10 S-	N/A	78
49	HWMANIFEST	SOUTHERN CALILFORIA TRUCKING I CAL000319351/ACTIVE	1234 EAST ASH UNIT AVE FULLERTON CA 92831	0.10 SE	N/A	79
50	HWMANIFEST	WILSONS ART STUDIO INC CAL000194220/ACTIVE	501 SOUTH ACACIA AVE FULLERTON CA 92831	0.10 S-	N/A	81
51	RCRAGN	GLENAIR FULLERTON CAR000161802/SGN	2300 E VALENCIA DR FULLERTON CA 92831	0.11 SE	N/A	82
52	HWMANIFEST	BAVARIAN AUTOTECH S CAL000021788/INACTIVE	551 SOUTH RAYMOND FULLERTON CA 92831	0.11 SE	N/A	84
52	HWMANIFEST	BAVARIAN AUTO TECH CAL000017247/ACTIVE	551 SOUTH RAYMOND AVE FULLERTON CA 92831	0.11 SE	N/A	86
53	HWMANIFEST	NORDSTROM INC 391 CAL000064266/ACTIVE	2200 EAST WALNUT AVE FULLERTON CA 92831	0.11 NE	N/A	88
54	HWMANIFEST	SOUTHERN CA PRECISION MACHININ CAL000325313/ACTIVE	2300 EAST VALENCIA DR FULLERTON CA 92831	0.11 SE	N/A	89

***Environmental FirstSearch
Sites Summary Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TOTAL: 81 **GEOCODED:** 75 **NON GEOCODED:** 6 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-92832	UNKNOWN CA 92832	NON GC	N/A	90
	STATE	FULLERTON UNION PACIFIC PARK CAL60000511/ACTIVE	TRUSLOW AND HARBOR BLVD FULLERTON CA 92832	NON GC	N/A	92
	UST	WESTERN MARKETING COMPANY TISID-STATE7240/INACTIVE	210 WALNUT FULLERTON CA 92832	NON GC	N/A	94
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-92831	UNKNOWN CA 92831	NON GC	N/A	94
	ERNS	NRC-762018/FIXED	700 S RAYMOND FULLERTON CA 92831	NON GC	N/A	96
	UST	SOUTHLAND BEVERAGE DIST INC TISID-STATE34479/ACTIVE	1425 ACACIA FULLERTON CA 92831	NON GC	N/A	98

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 2 **DIST/DIR:** 0.02 SE **ELEVATION:** 180 **MAP ID:** 1

NAME: AMERICAN ELECTRONICS, INC
ADDRESS: 1600 E VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD981390909
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
1600 E VALENCIA DR
FULLERTON CA 92631

PHONE: 7148713020

UNIVERSE INFORMATION:

NAIC INFORMATION

335312 - MOTOR AND GENERATOR MANUFACTURING
334419 - OTHER ELECTRONIC COMPONENT MANUFACTURING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch ***Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

UST

SEARCH ID: 31 **DIST/DIR:** 0.02 SE **ELEVATION:** 180 **MAP ID:** 1

NAME: AMERICAN ELECTRONICS INC
ADDRESS: 1600 VALENCIA
FULLERTON CA 92631
Orange
CONTACT:
SOURCE:

REV: 01/01/94
ID1: TISID-STATE34426
ID2:
STATUS: ACTIVE
PHONE:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by us. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

SPILLS

SEARCH ID: 26 **DIST/DIR:** 0.02 SE **ELEVATION:** 180 **MAP ID:** 1

NAME: AMERICAN ELECTRONICS
ADDRESS: 1600 E VALENCIA DR
FULLERTON CA
ORANGE
CONTACT:
SOURCE: CA EPA

REV: 07/01/2003
ID1: SLC8_111
ID2:
STATUS: POST INVESTIGATION-REMEDIAL MO
PHONE:

Lead Agency: REGIONAL BOARD
Program: SLIC
Case Type: SOIL AND GROUNDWATER
Status: POST INVESTIGATION-REMEDIAL MONITORING
Substance: TCE, PCE
Comments: SOIL CONTAMINATION FOUND IN SW CORNER.SOIL REMEDIATION REQUESTED. 2 MORE DOWN-GRADIENT WELLS INSTALLED (OFF-SITE).
Thomas Brothers Guide Location: 739-B7

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 36 **DIST/DIR:** 0.02 SE **ELEVATION:** 180 **MAP ID:** 1

NAME: AMERICAN ELECTRONICS INC ADDRESS: 1600 VALENCIA DR FULLERTON CA 92631 ORANGE CONTACT: SOURCE: CA SWRCB	REV: 06/22/10 ID1: T0605901825 ID2: STATUS: COMPLETED - CASE CLOSED PHONE:
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RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: FULLERTON, CITY OF
REGIONAL BOARD CASE NUMBER: 083002617T
LOCAL AGENCY: FULLERTON, CITY OF
LOCAL CASE NUMBER:
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Gasoline
POTENTIAL MEDIA AFFECTED: Soil
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 1995-01-20
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Discovery

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Reported

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Stopped

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

***Environmental FirstSearch
Site Detail Report*****Target Property:** RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

RCRAGN

SEARCH ID: 14 **DIST/DIR:** 0.02 SE **ELEVATION:** 167 **MAP ID:** 2**NAME:** TERRY'S AUTOMOTIVE INC
ADDRESS: 500 S RAYMOND UNIT D
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA**REV:** 7/14/10
ID1: CAR000080614
ID2:
STATUS: SGN
PHONE:**SITE INFORMATION****CONTACT INFORMATION:** TERRY THOMPSON
500 S RAYMOND UNIT D
FULLERTON CA 92831**PHONE:** 7145264628**UNIVERSE INFORMATION:****NAIC INFORMATION****ENFORCEMENT INFORMATION:****VIOLATION INFORMATION:****HAZARDOUS WASTE INFORMATION:**Ignitable waste
Tetrachloroethylene

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 16	DIST/DIR: 0.02 SE	ELEVATION: 167	MAP ID: 2
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NAME: WHEELS AUTO BODY and PAINT SHOP
ADDRESS: 500 S RAYMOND AVE I
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD982413536
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
500 S RAYMOND AVE I
FULLERTON CA 92631

PHONE: 7147387247

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 8 **DIST/DIR:** 0.02 SE **ELEVATION:** 167 **MAP ID:** 2

NAME: HONDA CAR SPECIAITY
ADDRESS: 500 S RAYMOND C
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983584459
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: RONALD FROST
500 S RAYMOND C
FULLERTON CA 92631

PHONE: 7145263131

UNIVERSE INFORMATION:

NAIC INFORMATION

811111 - GENERAL AUTOMOTIVE REPAIR

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

SPILLS

SEARCH ID: 28 **DIST/DIR:** 0.02 S- **ELEVATION:** 170 **MAP ID:** 3

NAME: WEBER AIRCRAFT FACILITY FORMER
ADDRESS: 1300 EAST VALENCIA DR
FULLERTON CA

REV: 06/22/10
ID1: G_SL605992769
ID2:
STATUS: COMPLETED - CASE CLOSED
PHONE:

CONTACT:
SOURCE: CA SWRCB

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD GEOTRACKER SLIC DATABASE

Please note that some SLIC data previously provided by the State Water Resources Control Board via the Regional Boards is not currently provided by the agency in the new GEOTRACKER format. To ensure that our data is as complete as possible we have retained the original Regional Boards SLIC records as well as loaded all GEOTRACKER SLIC listings. GEOTRACKER records are distinguished by an initial G at the start of the ID.

LEAD AGENCY: SANTA ANA RWQCB (REGION 8)

REGIONAL BOARD CASE NUMBER:

LOCAL AGENCY:

LOCAL CASE NUMBER:

CASE TYPE: Cleanup Program Site

STATUS: Completed - Case Closed

STATUS DATE: 2003-12-02

POTENTIAL CONTAMINANTS OF CONCERN:

POTENTIAL MEDIA AFFECTED:

SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): ENFORCEMENT

DATE (blank if not reported): 2003-12-02

ACTION (blank if not reported): Closure/No Further Action Letter

ACTION TYPE (blank if not reported): ENFORCEMENT

DATE (blank if not reported): 2003-12-02

ACTION (blank if not reported): Closure/No Further Action Letter

CONTACT TYPE: Regional Board Caseworker

CONTACT NAME: KAMRON SAREMI

ORGANIZATION NAME: SANTA ANA RWQCB (REGION 8)

CONTACT ADDRESS: 3737 MAIN STREET, SUITE 500

CONTACT CITY: RIVERSIDE

CONTACT EMAIL: ksaremi.waterboards.ca.gov

CONTACT PHONE NUMBER: 9517824130

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

SPILLS

SEARCH ID: 27	DIST/DIR: 0.02 S-	ELEVATION: 170	MAP ID: 3
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NAME: WEBER AIRCRAFT FACILITY
ADDRESS: 1300 E VALENCIA DR
FULLERTON CA
ORANGE

REV: 07/01/2003
ID1: SLC8_323
ID2:
STATUS: ADDITIONAL CHARACTERIZATION
PHONE:

CONTACT:
SOURCE: CA EPA

Lead Agency:	<i>REGIONAL BOARD</i>
Program:	<i>SLIC</i>
Case Type:	<i>SOIL AND GROUNDWATER</i>
Status:	<i>ADDITIONAL CHARACTERIZATION</i>
Substance:	<i>PCE</i>
Comments:	
Thomas Brothers Guide Location:	

***Environmental FirstSearch
Site Detail Report*****Target Property:** RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

RCRAGN

SEARCH ID: 11 **DIST/DIR:** 0.02 S- **ELEVATION:** 170 **MAP ID:** 3**NAME:** MONOGRAM SYSTEMS
ADDRESS: 1300 VALENCIA DR
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: EPA**REV:** 7/14/10
ID1: CAD009608894
ID2:
STATUS: SGN
PHONE:**SITE INFORMATION****CONTACT INFORMATION:** ENVIRONMENTAL MANAGER
1300 E VALENCIA DR
FULLERTON CA 92631**PHONE:****CONTACT INFORMATION:** FRED HARDINGER
P O BOX 34099
FULLERTON CA 928349402**PHONE:** 7144493104**UNIVERSE INFORMATION:****NAIC INFORMATION**336413 - OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING
336413 - OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING
336413 - OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING
339992 - MUSICAL INSTRUMENT MANUFACTURING**ENFORCEMENT INFORMATION:****VIOLATION INFORMATION:****VIOLATION NUMBER:** 0001 **RESPONSIBLE:** B - STATE CONTRACTOR
DETERMINED: 2/11/1993 **DETERMINED BY:** B - STATE CONTRACTOR
CITATION: 262.10-12.A
RESOLVED: 2/11/1998
TYPE: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)**HAZARDOUS WASTE INFORMATION:**Corrosive waste
Ignitable waste

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

SPILLS

SEARCH ID: 29	DIST/DIR: 0.02 S-	ELEVATION: 170	MAP ID: 3
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NAME: WEYERHAESER COMPANY
ADDRESS: 1300 E VALENCIA AVE
FULLERTON CA
ORANGE
CONTACT:
SOURCE: CA EPA

REV: 07/01/2003
ID1: SLC8_110
ID2:
STATUS: CLOSED
PHONE:

Lead Agency:	REGIONAL BOARD
Program:	SLIC
Case Type:	SOIL AND GROUNDWATER
Status:	CLOSED
Substance:	PCE,TCE
Comments:	SEVERAL SITE INVESTIGATIONS COMPLETED. INVESTIGATING GROUNDWATER
IMPACTS BY HYDRO-PUNCH. VACANT LOT FOR SALE.	
Thomas Brothers Guide Location:	739-A7

***Environmental FirstSearch
Site Detail Report*****Target Property:** RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001**SPILLS****SEARCH ID:** 30 **DIST/DIR:** 0.02 S- **ELEVATION:** 170 **MAP ID:** 3**NAME:** WEYERHAESER COMPANY
ADDRESS: 1300 EAST VALENCIA AVE
FULLERTON CA**REV:** 06/22/10
ID1: G_SLT8R2264004
ID2:
STATUS: COMPLETED - CASE CLOSED
PHONE:**CONTACT:**
SOURCE: CA SWRCB**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD GEOTRACKER SLIC DATABASE**

Please note that some SLIC data previously provided by the State Water Resources Control Board via the Regional Boards is not currently provided by the agency in the new GEOTRACKER format. To ensure that our data is as complete as possible we have retained the original Regional Boards SLIC records as well as loaded all GEOTRACKER SLIC listings. GEOTRACKER records are distinguished by an initial *G* at the start of the ID.

LEAD AGENCY: SANTA ANA RWQCB (REGION 8)**REGIONAL BOARD CASE NUMBER:** SLT8R226**LOCAL AGENCY:****LOCAL CASE NUMBER:****CASE TYPE:** Cleanup Program Site**STATUS:** Completed - Case Closed**STATUS DATE:** 2003-12-02**POTENTIAL CONTAMINANTS OF CONCERN:****POTENTIAL MEDIA AFFECTED:****SITE HISTORY (blank if not reported):****ACTION TYPE (blank if not reported):** Other**DATE (blank if not reported):** 1950-01-01**ACTION (blank if not reported):** Leak Reported**CONTACT TYPE:** Regional Board Caseworker**CONTACT NAME:** MANECK G. CHICHGAR**ORGANIZATION NAME:** SANTA ANA RWQCB (REGION 8)**CONTACT ADDRESS:** 3737 MAIN STREET, Suite 500**CONTACT CITY:** RIVERSIDE**CONTACT EMAIL:** mchichgar.waterboards.ca.gov**CONTACT PHONE NUMBER:**

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRANLR

SEARCH ID: 22 **DIST/DIR:** 0.02 S- **ELEVATION:** 170 **MAP ID:** 3

NAME: MONOGRAM SYSTEMS
ADDRESS: 1300 VALENCIA DR
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: EPA

REV: 2/16/10
ID1: CAD009608894
ID2:
STATUS: NLR
PHONE:

SITE INFORMATION

UNIVERSE INFORMATION:

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA:	N - NO
SUBJCA TSD 3004:	N - NO
SUBJCA NON TSD:	N - NO
SIGNIFICANT NON-COMPLIANCE(SNC):	N - NO
BEGINNING OF THE YEAR SNC:	
PERMIT WORKLOAD:	----
CLOSURE WORKLOAD:	----
POST CLOSURE WORKLOAD:	----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:	----
CORRECTIVE ACTION WORKLOAD:	N - NO
GENERATOR STATUS:	SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000
KG/MONTH OF HAZARDOUS WASTE	
INSTITUTIONAL CONTROL:	N
HUMAN EXPOSURE:	
GW CONTROLS:	
LAND TYPE:	

NAIC INFORMATION

336413 - OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING
339992 - MUSICAL INSTRUMENT MANUFACTURING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

VIOLATION NUMBER:	5001	RESPONSIBLE:	S - STATE
DETERMINED:	93/11/1993	DETERMINED BY:	S - STATE
CITATION:		RESOLVED:	98/11/1998
TYPE:	GENERATORS - GENERAL		

HAZARDOUS WASTE INFORMATION:

D001 - IGNITABLE WASTE
D002 - CORROSIVE WASTE

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 17	DIST/DIR: 0.02 N-	ELEVATION: 185	MAP ID: 4
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NAME: OMNI OPTICAL
ADDRESS: 360 S ACACIA AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 12/9/02
ID1: CAP000040006
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

UNIVERSE TYPE:

SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

SIC INFORMATION:

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch

Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

SPILLS

SEARCH ID: 25 **DIST/DIR:** 0.02 SE **ELEVATION:** 177 **MAP ID:** 5

NAME: AMERICAN ELECTRONICS
ADDRESS: 1600 EAST VALENCIA AVE
FULLERTON CA

REV: 06/22/10
ID1: G_SLT8R2274005
ID2:
STATUS: COMPLETED - CASE CLOSED
PHONE:

CONTACT:
SOURCE: CA SWRCB

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD GEOTRACKER SLIC DATABASE

Please note that some SLIC data previously provided by the State Water Resources Control Board via the Regional Boards is not currently provided by the agency in the new GEOTRACKER format. To ensure that our data is as complete as possible we have retained the original Regional Boards SLIC records as well as loaded all GEOTRACKER SLIC listings. GEOTRACKER records are distinguished by an initial G at the start of the ID.

LEAD AGENCY: SANTA ANA RWQCB (REGION 8)
REGIONAL BOARD CASE NUMBER: SLT8R227

LOCAL AGENCY:
LOCAL CASE NUMBER:

CASE TYPE: Cleanup Program Site
STATUS: Completed - Case Closed
STATUS DATE: 2003-10-30

POTENTIAL CONTAMINANTS OF CONCERN: Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE)

POTENTIAL MEDIA AFFECTED: Aquifer used for drinking water supply

SITE HISTORY (blank if not reported): 3/24/87 a chemical use questionnaire was sent to RP under AB 1803. RP response indicated potential SGW contamination. 10/26/88 a request for subsurface investigation was issued and was conducted. 2/2/90 a Plan of Action was received from the RP that includes vapor and water extraction wells and a treatment process. Plan was approved with modifications to include additional monitoring wells and other specifics. 1/7/97 Annual monitoring was required by Board for 2 years. Results to be analyzed to determine if additional monitoring or action is necessary. Subsurface investigation conducted. Plan of Action implemented including monitoring wells, vapor and water extraction wells, and a treatment process. 1/7/97 Annual monitoring was required by Board for 2 years. Results to be analyzed to determine if additional monitoring or action is necessary.

ACTION TYPE (blank if not reported): Other

DATE (blank if not reported): 1950-01-01

ACTION (blank if not reported): Leak Reported

ACTION TYPE (blank if not reported): ENFORCEMENT

DATE (blank if not reported): 2003-10-30

ACTION (blank if not reported): Closure/No Further Action Letter

ACTION TYPE (blank if not reported): ENFORCEMENT

DATE (blank if not reported): 1996-04-19

ACTION (blank if not reported): Technical Correspondence / Assistance / Other

CONTACT TYPE: Regional Board Caseworker
CONTACT NAME: MANECK G. CHICHGAR
ORGANIZATION NAME: SANTA ANA RWQCB (REGION 8)
CONTACT ADDRESS: 3737 MAIN STREET, Suite 500
CONTACT CITY: RIVERSIDE
CONTACT EMAIL: mchichgar.waterboards.ca.gov
CONTACT PHONE NUMBER:

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 39 **DIST/DIR:** 0.02 N- **ELEVATION:** 185 **MAP ID:** 6

NAME: NUTRI FOODS
ADDRESS: 360 ACACIA
FULLERTON CA 92631
ORANGE

REV: 06/22/10
ID1: T0605972032
ID2:
STATUS: COMPLETED - CASE CLOSED
PHONE:

CONTACT:
SOURCE: CA SWRCB

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: ORANGE COUNTY LOP
REGIONAL BOARD CASE NUMBER:
LOCAL AGENCY: ORANGE COUNTY LOP
LOCAL CASE NUMBER: 86UT184
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Diesel, Waste Oil / Motor / Hydraulic / Lubricating, Gasoline
POTENTIAL MEDIA AFFECTED: Soil
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 1987-07-13
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 63 **DIST/DIR:** 0.02 SE **ELEVATION:** 169 **MAP ID:** 7

NAME: TOPLINE PAINT and BODY INC
ADDRESS: 500 SOUTH RAYMOND STE AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000224609
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 11/8/2000
Inactivity Date: 6/30/2006 10:14:52 AM
Facility Mail Name:
Facility Mailing Address: 500 S RAYMOND AVE STE I, FULLERTON, CA 92831-5002
Owner Name: TOP LINE PAINT and BODY INC
Owner Address: 500 S RAYMOND AVE STE I, FULLERTON, CA 92831-5002
Contact Name: LUIS MONTELLANO, PRES
Contact Address: 500 S RAYMOND AVE STE I, FULLERTON, CA 92831-5002
Contact Phone: 7144410505

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
2009 Waste Type:
2009 Total Tonnage:
2008 Waste Type: Other organic solids
2008 Total Tonnage: 0.15
2007 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2007 Total Tonnage: 0.321
2006 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2006 Total Tonnage: 0.03
2005 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2005 Total Tonnage: 0.14

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2004 Total Tonnage: 0.26
2003 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2003 Total Tonnage: 0.28
2002 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2002 Total Tonnage: 0.28
2001 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2001 Total Tonnage: 0.44
2000 Waste Type:
2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:
1999 Total Tonnage:
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type:
1995 Total Tonnage:
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 63	DIST/DIR: 0.02 SE	ELEVATION: 169	MAP ID: 7
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NAME: TOPLINE PAINT and BODY INC
ADDRESS: 500 SOUTH RAYMOND STE AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000224609
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 62 **DIST/DIR:** 0.02 SE **ELEVATION:** 169 **MAP ID:** 7

NAME: TOP AUTO REPAIR
ADDRESS: 500 SOUTH RAYMOND AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000284590
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

HWMANIFEST

SEARCH ID: 65 **DIST/DIR:** 0.02 SE **ELEVATION:** 169 **MAP ID:** 7

NAME: TURY Z CONCEPTS INC
ADDRESS: 500 SOUTH RAYMOND STE AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000277560
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 44 **DIST/DIR:** 0.02 SE **ELEVATION:** 169 **MAP ID:** 7

NAME:	BETO S PAINT and BODY INC	REV:	02/19/10
ADDRESS:	500 SOUTH RAYMOND STE AVE	ID1:	CAL000223437
	FULLERTON CA 92831	ID2:	
	ORANGE	STATUS:	ACTIVE
CONTACT:		PHONE:	
SOURCE:	CA DTSC		

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWM) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 5/22/2001

Inactivity Date:

Facility Mail Name:

Facility Mailing Address: 500 S RAYMOND AVE STE D, FULLERTON, CA 92831-0000

Owner Name: BETO CERDA

Owner Address: 500 S RAYMOND AVE STE D, FULLERTON, CA 92831-0000

Contact Name: BETO CERDA

Contact Address: 500 S RAYMOND AVE STE D, FULLERTON, CA 92831-0000

Contact Phone: 7144478371

HWM WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:

2009 Waste Type:

2009 Total Tonnage:

2008 Waste Type: Other organic solids

2008 Total Tonnage: 0.15

2007 Waste Type: Other organic solids

2007 Total Tonnage: 0.05

2006 Waste Type: Other organic solids

2006 Total Tonnage:

2005 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

2005 Total Tonnage: 0.22

HWM WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

2004 Total Tonnage: 0.53

2003 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

2003 Total Tonnage: 0.43

2002 Waste Type: Unspecified solvent mixture

2002 Total Tonnage: 0.12

2001 Waste Type:

2001 Total Tonnage:

2000 Waste Type:

2000 Total Tonnage:

HWM WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:

1999 Total Tonnage:

1998 Waste Type:

1998 Total Tonnage:

1997 Waste Type:

1997 Total Tonnage:

1996 Waste Type:

1996 Total Tonnage:

1995 Waste Type:

1995 Total Tonnage:

1994 Waste Type:

1994 Total Tonnage:

1993 Waste Type:

1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 242 of 377
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***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 44	DIST/DIR: 0.02 SE	ELEVATION: 169	MAP ID: 7
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NAME: BETO S PAINT and BODY INC
ADDRESS: 500 SOUTH RAYMOND STE AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000223437
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 64	DIST/DIR: 0.02 SE	ELEVATION: 169	MAP ID: 7
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NAME: TOPS AUTO BODY ADDRESS: 500 SOUTH RAYMOND UNIT AVE FULLERTON CA 92831 ORANGE CONTACT: SOURCE: CA DTSC	REV: 02/19/10 ID1: CAL000291186 ID2: STATUS: ACTIVE PHONE:
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DETAILS NOT AVAILABLE

Environmental FirstSearch ***Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 48 **DIST/DIR:** 0.02 SW **ELEVATION:** 166 **MAP ID:** 8

NAME:	GOLDEN WEST TECHNOLOGY	REV:	02/19/10
ADDRESS:	1178 EAST VALENCIA DR FULLERTON CA 92831 ORANGE	ID1:	CAL000001710
CONTACT:		ID2:	
SOURCE:	CA DTSC	STATUS:	ACTIVE
		PHONE:	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 8/3/1993

Inactivity Date:

Facility Mail Name:

Facility Mailing Address: 1180 E VALENCIA DR, FULLERTON, CA 92831-4627

Owner Name: DAN P RIETH

Owner Address: 1180 E VALENCIA DR, FULLERTON, CA 92631-0000

Contact Name: DAN P RIETH PRES

Contact Address: 1180 E VALENCIA, FULLERTON, CA 92631-0000

Contact Phone: 7147383775

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type: METALS RECOVERY INCLUDING RETORING, SMELTING, CHEMICALS, ECT

2009 Waste Type: Other inorganic solid waste

2009 Total Tonnage: 0.1935

2008 Waste Type:

2008 Total Tonnage:

2007 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

2007 Total Tonnage: 0.2

2006 Waste Type:

2006 Total Tonnage:

2005 Waste Type: Off-specification, aged or surplus organics

2005 Total Tonnage: 0.22

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Unspecified solvent mixture

2004 Total Tonnage: 0.45

2003 Waste Type: Off-specification, aged or surplus organics

2003 Total Tonnage: 0.22

2002 Waste Type: Other inorganic solid waste

2002 Total Tonnage: 0.7

2001 Waste Type: Unspecified solvent mixture

2001 Total Tonnage: 0.22

2000 Waste Type: Unspecified solvent mixture

2000 Total Tonnage: 0.22

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type: Other inorganic solid waste

1999 Total Tonnage: 0.21

1998 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

1998 Total Tonnage: 0.2251

1997 Waste Type: Other inorganic solid waste

1997 Total Tonnage: 0.2575

1996 Waste Type: Other inorganic solid waste

1996 Total Tonnage: 0.235

1995 Waste Type: Other inorganic solid waste

1995 Total Tonnage: 0.6612

1994 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

1994 Total Tonnage: 0.2168

1993 Waste Type: Other inorganic solid waste

1993 Total Tonnage: 0.15

Orange County Transportation Authority

EXHIBIT K Page 245 of 377
- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 48	DIST/DIR: 0.02 SW	ELEVATION: 166	MAP ID: 8
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NAME: GOLDEN WEST TECHNOLOGY
ADDRESS: 1178 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000001710
ID2:
STATUS: ACTIVE
PHONE:

Environmental FirstSearch

Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 50 **DIST/DIR:** 0.02 SE **ELEVATION:** 182 **MAP ID:** 9

NAME: GRAPHICS 2000 **REV:** 02/19/10
ADDRESS: 1600 EAST VALENCIA DR **ID1:** CAL000170819
FULLERTON CA 92831 **ID2:**
ORANGE **STATUS:** ACTIVE
CONTACT: **PHONE:**
SOURCE: CA DTSC

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 3/12/1999
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 1600 E VALENCIA DR, FULLERTON, CA 92831-0000
Owner Name: GRAPHICS 2000
Owner Address: 1600 E VALENCIA DR, FULLERTON, CA 92831-0000
Contact Name: JAMES P BLEE - VP
Contact Address: 1600 E VALENCIA DR, FULLERTON, CA 92831-0000
Contact Phone: 7148791188

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
2009 Waste Type: Unspecified organic liquid mixture
2009 Total Tonnage: 0.748
2008 Waste Type: Waste oil and mixed oil
2008 Total Tonnage: 0.209
2007 Waste Type: Unspecified organic liquid mixture
2007 Total Tonnage: 1.8348
2006 Waste Type: Unspecified organic liquid mixture
2006 Total Tonnage: 0.45
2005 Waste Type: Unspecified organic liquid mixture
2005 Total Tonnage: 0.45

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Unspecified organic liquid mixture
2004 Total Tonnage: 1.14
2003 Waste Type: Waste oil and mixed oil
2003 Total Tonnage: 0.22
2002 Waste Type: Unspecified organic liquid mixture
2002 Total Tonnage: 1.6
2001 Waste Type: Unspecified organic liquid mixture
2001 Total Tonnage: 0.22
2000 Waste Type: Unspecified organic liquid mixture
2000 Total Tonnage: 0.22

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type: Unspecified organic liquid mixture
1999 Total Tonnage: 0.2293
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type:
1995 Total Tonnage:
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 247 of 377
- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 50	DIST/DIR: 0.02 SE	ELEVATION: 182	MAP ID: 9
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NAME: GRAPHICS 2000
ADDRESS: 1600 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000170819
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 49 **DIST/DIR:** 0.02 SE **ELEVATION:** 182 **MAP ID:** 9

NAME:	GRAPHIC TECH, LLC	REV:	02/19/10
ADDRESS:	1600 EAST VALENCIA DR FULLERTON CA 92831 ORANGE	ID1:	CAL000172479
CONTACT:		ID2:	
SOURCE:	CA DTSC	STATUS:	ACTIVE
		PHONE:	

**THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI)
SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :**

Date Record was Created: 12/22/1998

Inactivity Date:

Facility Mail Name: GRAPHIC TECH, LLC

Facility Mailing Address: 1600 E VALENCIA DR, FULLERTON, CA 92831-0000

Owner Name: GRAPHIC TECH, LLC

Owner Address: 1600 E VALENCIA DR, FULLERTON, CA 92831-0000

Contact Name: R A WILLIAMS DIR OF PRE-PRESS

Contact Address: 1600 E VALENCIA DR, FULLERTON, CA 92831-0000

Contact Phone: 7148792400

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:

2009 Waste Type:

2009 Total Tonnage:

2008 Waste Type:

2008 Total Tonnage:

2007 Waste Type:

2007 Total Tonnage:

2006 Waste Type:

2006 Total Tonnage:

2005 Waste Type:

2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:

2004 Total Tonnage:

2003 Waste Type:

2003 Total Tonnage:

2002 Waste Type:

2002 Total Tonnage:

2001 Waste Type:

2001 Total Tonnage:

2000 Waste Type:

2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:

1999 Total Tonnage:

1998 Waste Type:

1998 Total Tonnage:

1997 Waste Type:

1997 Total Tonnage:

1996 Waste Type:

1996 Total Tonnage:

1995 Waste Type:

1995 Total Tonnage:

1994 Waste Type:

1994 Total Tonnage:

1993 Waste Type:

1993 Total Tonnage:

Orange County Transportation Authority

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- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 49	DIST/DIR: 0.02 SE	ELEVATION: 182	MAP ID: 9
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NAME: GRAPHIC TECH, LLC
ADDRESS: 1600 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000172479
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

Environmental FirstSearch ***Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 55 **DIST/DIR:** 0.02 SE **ELEVATION:** 180 **MAP ID:** 10

NAME: NATIONAL TECHNICAL SYSTEMS
ADDRESS: 1536 EAST VALENCIA DR
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAD982013625
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 6/17/1988

Inactivity Date:

Facility Mail Name:

Facility Mailing Address:

1536 E VALENCIA DR, FULLERTON, CA 92831-4734

Owner Name:

NATIONAL TECHNICAL SYSTEM

Owner Address:

1536 E VALENCIA DR, FULLERTON, CA 92631-0000

Contact Name:

DOUG BRISKIE/DIV MGR

Contact Address:

1536 E VALENCIA DR, FULLERTON, CA 92631-0000

Contact Phone:

7148796110

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY
(H010-H129) OR (H131-H135)

2009 Waste Type: Liquids with halogenated organic compounds >= 1,000 Mg./L
2009 Total Tonnage: 0.34611

2008 Waste Type: Liquids with halogenated organic compounds >= 1,000 Mg./L
2008 Total Tonnage: 0.3753

2007 Waste Type: Liquids with pH <= 2
2007 Total Tonnage: 0.006

2006 Waste Type: Unspecified oil-containing waste
2006 Total Tonnage: 0.22

2005 Waste Type: Other organic solids
2005 Total Tonnage: 0.92

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Unspecified oil-containing waste
2004 Total Tonnage: 1.66

2003 Waste Type: Unspecified oil-containing waste
2003 Total Tonnage: 1.08

2002 Waste Type:
2002 Total Tonnage:

2001 Waste Type: Waste oil and mixed oil
2001 Total Tonnage: 0.12

2000 Waste Type: Aqueous solution with total organic residues less than 10 percent
2000 Total Tonnage: 1.59

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type: Aqueous solution with total organic residues less than 10 percent
1999 Total Tonnage: 0.7338

1998 Waste Type: Aqueous solution with total organic residues less than 10 percent
1998 Total Tonnage: 0.3793

1997 Waste Type: Other organic solids
1997 Total Tonnage: 1.425

1996 Waste Type: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
1996 Total Tonnage: 3.9406

1995 Waste Type:
1995 Total Tonnage:

1994 Waste Type:
1994 Total Tonnage:

1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 251 of 377
- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 55	DIST/DIR: 0.02 SE	ELEVATION: 180	MAP ID: 10
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NAME: NATIONAL TECHNICAL SYSTEMS
ADDRESS: 1536 EAST VALENCIA DR
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAD982013625
ID2:
STATUS: ACTIVE
PHONE:

Environmental FirstSearch
Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 68 **DIST/DIR:** 0.02 SE **ELEVATION:** 177 **MAP ID:** 11

NAME: VEG-LAND ADDRESS: 1518 EAST VALENCIA DR FULLERTON CA 92831 ORANGE CONTACT: SOURCE: CA DTSC	REV: 02/19/10 ID1: CAL000222981 ID2: STATUS: ACTIVE PHONE:
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THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 4/27/2001

Inactivity Date:

Facility Mail Name:

Facility Mailing Address: 1518 E VALENCIA DR, FULLERTON, CA 92836-0000

Owner Name: VEG LAND INC/JIM MATTASEVICH

Owner Address: 1518 E VALENCIA DR, FULLERTON, CA 92836-0000

Contact Name: JIMMY MATTASEVICH

Contact Address: 1518 E VALENCIA DR, FULLERTON, CA 92381-0000

Contact Phone: 7148716712

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:

2009 Waste Type:

2009 Total Tonnage:

2008 Waste Type:

2008 Total Tonnage:

2007 Waste Type: Waste oil and mixed oil

2007 Total Tonnage: 1.0842

2006 Waste Type:

2006 Total Tonnage:

2005 Waste Type:

2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:

2004 Total Tonnage:

2003 Waste Type:

2003 Total Tonnage:

2002 Waste Type:

2002 Total Tonnage:

2001 Waste Type:

2001 Total Tonnage:

2000 Waste Type:

2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:

1999 Total Tonnage:

1998 Waste Type:

1998 Total Tonnage:

1997 Waste Type:

1997 Total Tonnage:

1996 Waste Type:

1996 Total Tonnage:

1995 Waste Type:

1995 Total Tonnage:

1994 Waste Type:

1994 Total Tonnage:

1993 Waste Type:

1993 Total Tonnage:

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 68	DIST/DIR: 0.02 SE	ELEVATION: 177	MAP ID: 11
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NAME: VEG-LAND
ADDRESS: 1518 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000222981
ID2:
STATUS: ACTIVE
PHONE:

***Environmental FirstSearch
Site Detail Report*****Target Property:** RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

HWMANIFEST

SEARCH ID: 69 **DIST/DIR:** 0.02 N- **ELEVATION:** 184 **MAP ID:** 12**NAME:** THE RIGHT CONNECTION SPORTSWEAR CO
ADDRESS: 371 SOUTH ACACIA AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000318919
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

HWMANIFEST

SEARCH ID: 73 **DIST/DIR:** 0.02 SE **ELEVATION:** 192 **MAP ID:** 13**NAME:** COR-O-VAN MOVING and STORAGE
ADDRESS: 2100 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 02/19/10
ID1: CAL000297842
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 7	DIST/DIR: 0.03 SW	ELEVATION: 166	MAP ID: 14
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NAME: CREATIVE SIGNS
ADDRESS: 1158 E VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD083154039
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
1158 E VALENCIA DR
FULLERTON CA 92631

PHONE: 7148712041

UNIVERSE INFORMATION:

NAIC INFORMATION

54143 - GRAPHIC DESIGN SERVICES

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 18 **DIST/DIR:** 0.03 S- **ELEVATION:** 183 **MAP ID:** 15

NAME: S C PRECISION MOLDS INC
ADDRESS: 419 S ACACIA AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD982506040
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
419 S ACACIA AVE
FULLERTON CA 92631

PHONE: 7144410351

UNIVERSE INFORMATION:

NAIC INFORMATION

333514 - SPECIAL DIE AND TOOL, DIE SET, JIG, AND FIXTURE MANUFACTURING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 19	DIST/DIR: 0.03 N-	ELEVATION: 184	MAP ID: 16
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NAME: WHITNON GMN
ADDRESS: 369 S ACACIA AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983668088
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: JIM PAXSON
369 S ACACIA ST
FULLERTON CA 92631

PHONE: 7145781111

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 52	DIST/DIR: 0.03 SW	ELEVATION: 166	MAP ID: 17
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NAME: KMP ENGINEERING CONTRACTORS INC ADDRESS: 1164 EAST VALENCIA DR FULLERTON CA 92831 ORANGE CONTACT: SOURCE: CA DTSC	REV: 02/19/10 ID1: CAL000273888 ID2: STATUS: ACTIVE PHONE:
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DETAILS NOT AVAILABLE

Environmental FirstSearch ***Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 61 **DIST/DIR:** 0.03 SW **ELEVATION:** 166 **MAP ID:** 18

NAME: TIME BUSINESS FORMS INC
ADDRESS: 1146 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000182519
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 12/8/1999

Inactivity Date:

Facility Mail Name:

Facility Mailing Address:

1146 E VALENCIA DR, FULLERTON, CA 92831-4627

Owner Name:

TIME BUSINESS FORMS INC

Owner Address:

1146 E VALENCIA DR, FULLERTON, CA 92831-4627

Contact Name:

JIM THURSTON/PRESIDENT

Contact Address:

1146 E VALENCIA DR, FULLERTON, CA 92831-4627

Contact Phone:

7148711893

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY
(H010-H129) OR (H131-H135)

2009 Waste Type: Aqueous solution with total organic residues less than 10 percent

2009 Total Tonnage: 0.126

2008 Waste Type: Aqueous solution with total organic residues less than 10 percent

2008 Total Tonnage: 0.2688

2007 Waste Type: Aqueous solution with total organic residues less than 10 percent

2007 Total Tonnage: 0.23352

2006 Waste Type: Aqueous solution with total organic residues less than 10 percent

2006 Total Tonnage: 0.09

2005 Waste Type: Aqueous solution with total organic residues less than 10 percent

2005 Total Tonnage: 0.28

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:

2004 Total Tonnage:

2003 Waste Type:

2003 Total Tonnage:

2002 Waste Type:

2002 Total Tonnage:

2001 Waste Type:

Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)

2001 Total Tonnage: 0.11

2000 Waste Type:

Oil/water separation sludge

2000 Total Tonnage: 0.06

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:

1999 Total Tonnage:

1998 Waste Type:

1998 Total Tonnage:

1997 Waste Type:

1997 Total Tonnage:

1996 Waste Type:

1996 Total Tonnage:

1995 Waste Type:

1995 Total Tonnage:

1994 Waste Type:

1994 Total Tonnage:

1993 Waste Type:

1993 Total Tonnage:

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 61	DIST/DIR: 0.03 SW	ELEVATION: 166	MAP ID: 18
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NAME: TIME BUSINESS FORMS INC
ADDRESS: 1146 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000182519
ID2:
STATUS: ACTIVE
PHONE:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 66 **DIST/DIR:** 0.03 SW **ELEVATION:** 166 **MAP ID:** 19

NAME: UNIT INDUSTRIES INC
ADDRESS: 1140 EAST VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000309509
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

UST

SEARCH ID: 33 **DIST/DIR:** 0.04 S- **ELEVATION:** 183 **MAP ID:** 20

NAME: KHYBER FOODS INC
ADDRESS: 500 ACACIA
FULLERTON CA 92631
Orange
CONTACT:
SOURCE:

REV: 01/01/94
ID1: TISID-STATE34506
ID2:
STATUS: ACTIVE
PHONE:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database.

The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by us. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

Environmental FirstSearch
Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 59	DIST/DIR: 0.04 SW	ELEVATION: 165	MAP ID: 21
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NAME: SHARK ATTACK GRAPHICS ADDRESS: 1120 EAST VALENCIA DR FULLERTON CA 92831 ORANGE CONTACT: SOURCE: CA DTSC	REV: 02/19/10 ID1: CAL000308198 ID2: STATUS: ACTIVE PHONE:
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DETAILS NOT AVAILABLE

Environmental FirstSearch
Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 40 **DIST/DIR:** 0.05 NW **ELEVATION:** 166 **MAP ID:** 22

NAME: A-1 SAW and TOOL INC
ADDRESS: 1110 TRUSLOW
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000163516
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 5/21/1996

Inactivity Date:

Facility Mail Name:

Facility Mailing Address:

PO BOX 548, PLACENTIA, CA 92871-4626

Owner Name:

DAVID BEARD

Owner Address:

1110 E TRUSLOW AVE, FULLERTON, CA 92831-4626

Contact Name:

MIKE TROUT

Contact Address:

1110 E TRUSLOW AVE, FULLERTON, CA 92831-4626

Contact Phone:

7149921166

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:

2009 Waste Type:

2009 Total Tonnage:

2008 Waste Type:

2008 Total Tonnage:

2007 Waste Type:

2007 Total Tonnage:

2006 Waste Type:

2006 Total Tonnage:

2005 Waste Type:

2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:

2004 Total Tonnage:

2003 Waste Type:

2003 Total Tonnage:

2002 Waste Type:

Other inorganic solid waste

2002 Total Tonnage:

0.23

2001 Waste Type:

2001 Total Tonnage:

2000 Waste Type:

2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:

1999 Total Tonnage:

1998 Waste Type:

1998 Total Tonnage:

1997 Waste Type:

1997 Total Tonnage:

1996 Waste Type:

1996 Total Tonnage:

1995 Waste Type:

1995 Total Tonnage:

1994 Waste Type:

1994 Total Tonnage:

1993 Waste Type:

1993 Total Tonnage:

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 40	DIST/DIR: 0.05 NW	ELEVATION: 166	MAP ID: 22
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NAME: A-1 SAW and TOOL INC
ADDRESS: 1110 TRUSLOW
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000163516
ID2:
STATUS: ACTIVE
PHONE:

Environmental FirstSearch ***Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 47 **DIST/DIR:** 0.05 NW **ELEVATION:** 166 **MAP ID:** 23

NAME:	FULLER LABORATORIES	REV:	02/19/10
ADDRESS:	1135 EAST TRUSLOW AVE FULLERTON CA 92831 ORANGE	ID1:	CAL000224897
		ID2:	
CONTACT:		STATUS:	INACTIVE
SOURCE:	CA DTSC	PHONE:	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	7/11/2001
Inactivity Date:	6/30/2006 10:14:52 AM
Facility Mail Name:	
Facility Mailing Address:	1135 E TRUSLOW AVE, FULLERTON, CA 92831-0000
Owner Name:	FULLER LABORATORIES INC
Owner Address:	1135 E TRUSLOW AVE, FULLERTON, CA 92831-0000
Contact Name:	LYNN FULLER
Contact Address:	1135 E TRUSLOW AVE, FULLERTON, CA 92831-0000
Contact Phone:	7145257660

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
2009 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2009 Total Tonnage:	0.198
2008 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2008 Total Tonnage:	0.198
2007 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2007 Total Tonnage:	0.2502
2006 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2006 Total Tonnage:	0.12
2005 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2005 Total Tonnage:	0.12

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2004 Total Tonnage:	0.12
2003 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2003 Total Tonnage:	0.25
2002 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2002 Total Tonnage:	0.18
2001 Waste Type:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
2001 Total Tonnage:	0.1
2000 Waste Type:	
2000 Total Tonnage:	

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:	
1999 Total Tonnage:	
1998 Waste Type:	
1998 Total Tonnage:	
1997 Waste Type:	
1997 Total Tonnage:	
1996 Waste Type:	
1996 Total Tonnage:	
1995 Waste Type:	
1995 Total Tonnage:	
1994 Waste Type:	
1994 Total Tonnage:	
1993 Waste Type:	
1993 Total Tonnage:	

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 47	DIST/DIR: 0.05 NW	ELEVATION: 166	MAP ID: 23
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NAME: FULLER LABORATORIES
ADDRESS: 1135 EAST TRUSLOW AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000224897
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

Environmental FirstSearch ***Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 51 **DIST/DIR:** 0.05 NW **ELEVATION:** 166 **MAP ID:** 24

NAME:	JERRY ROSE CO	REV:	02/19/10
ADDRESS:	1125 EAST TRUSLOW AVE	ID1:	CAL000174458
	FULLERTON CA 92631	ID2:	
	ORANGE	STATUS:	ACTIVE
CONTACT:		PHONE:	
SOURCE:	CA DTSC		

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 1/31/1996

Inactivity Date:

Facility Mail Name:

Facility Mailing Address: 1125 E TRUSLOW AVE, FULLERTON, CA 92831-0000

Owner Name: JERRY ROSE/PRES

Owner Address: , ,

Contact Name: JERRY

Contact Address: , ,

Contact Phone: 7145259165

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID
2009 Waste Type:	REGENERATION, ORGANICS RECOVERY ECT
2009 Total Tonnage:	Unspecified oil-containing waste
2008 Waste Type:	0.52125
2008 Total Tonnage:	Unspecified oil-containing waste
2007 Waste Type:	0.6255
2007 Total Tonnage:	Unspecified oil-containing waste
2006 Waste Type:	0.4587
2006 Total Tonnage:	Unspecified oil-containing waste
2005 Waste Type:	0.83
2005 Total Tonnage:	Unspecified oil-containing waste
	0.77

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:	Unspecified oil-containing waste
2004 Total Tonnage:	0.6
2003 Waste Type:	Unspecified oil-containing waste
2003 Total Tonnage:	0.83
2002 Waste Type:	
2002 Total Tonnage:	
2001 Waste Type:	
2001 Total Tonnage:	
2000 Waste Type:	
2000 Total Tonnage:	

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:	
1999 Total Tonnage:	
1998 Waste Type:	
1998 Total Tonnage:	
1997 Waste Type:	
1997 Total Tonnage:	
1996 Waste Type:	Unspecified oil-containing waste
1996 Total Tonnage:	0.6672
1995 Waste Type:	
1995 Total Tonnage:	
1994 Waste Type:	
1994 Total Tonnage:	
1993 Waste Type:	
1993 Total Tonnage:	

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 51	DIST/DIR: 0.05 NW	ELEVATION: 166	MAP ID: 24
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NAME: JERRY ROSE CO
ADDRESS: 1125 EAST TRUSLOW AVE
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000174458
ID2:
STATUS: ACTIVE
PHONE:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 70	DIST/DIR: 0.05 S-	ELEVATION: 182	MAP ID: 25
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NAME: WD and J MACHINE and ENGINEERING INC ADDRESS: 443 SOUTH ACACIA AVE FULLERTON CA 92831 ORANGE CONTACT: SOURCE: CA DTSC	REV: 02/19/10 ID1: CAL000257443 ID2: STATUS: ACTIVE PHONE:
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DETAILS NOT AVAILABLE

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 38 **DIST/DIR:** 0.06 NW **ELEVATION:** 167 **MAP ID:** 26

NAME: CLASSIC MARBLE	REV: 06/22/10
ADDRESS: 371 RAYMOND AVE	ID1: T0605901605
FULLERTON CA 92831	ID2:
ORANGE	STATUS: COMPLETED - CASE CLOSED
CONTACT:	PHONE:
SOURCE: CA SWRCB	

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: FULLERTON, CITY OF
REGIONAL BOARD CASE NUMBER: 083002166T
LOCAL AGENCY: FULLERTON, CITY OF
LOCAL CASE NUMBER:
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Gasoline
POTENTIAL MEDIA AFFECTED: Soil
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 1997-05-05
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Stopped

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Reported

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Discovery

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

STATE

SEARCH ID: 24 **DIST/DIR:** 0.07 NW **ELEVATION:** 168 **MAP ID:** 27

NAME:	CHICAGO MUSICAL INSTRUMENTS (FORMER)	REV:	08/04/10
ADDRESS:	350 S RAYMOND AVE	ID1:	CAL60001251
	FULLERTON CA 92831	ID2:	STATE RESPONSE
	ORANGE	STATUS:	ACTIVE
CONTACT:		PHONE:	
SOURCE:	CA DTSC		

GENERAL SITE INFORMATION

Site Type:	State Response
Status:	Active
Status Date:	2010-02-16
NPL Site:	NO
Funding:	Orphan Funds
Regulatory Agencies Involved:	SMBRP
Lead Agency:	SMBRP
Project Manager:	EILEEN KHACHATOURIANS
Supervisor:	Emad Yemut
Branch:	Cypress
Acres:	7.51
Assessor s Parcel Number:	NONE SPECIFIED
Past Uses:	DEGREASING FACILITY
Potential Contaminants:	Tetrachloroethylene (PCE) Trichloroethylene (TCE) 1,1-Dichloroethane
Confirmed Contaminants:	Tetrachloroethylene (PCE) 1,1-Dichloroethane Trichloroethylene (TCE)
Potential Media Affected:	OTH, SOIL, SV
Restricted Use:	NO
Site Management Required:	NONE SPECIFIED
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

401489

60001251

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name:	PROJECT WIDE
Sub- Area Name:	
Document Type:	Imminent and/or Substantial Endangerment Order
Completion Date:	2010-02-16 00:00:00
Comments:	ISE Order complete and sent to RP.

Area Name:	PROJECT WIDE
Sub- Area Name:	
Document Type:	State/Federal Funded Site Contract Fiscal Approval (CFA)
Completion Date:	2010-03-08 00:00:00
Comments:	CFA signed and approved

Environmental FirstSearch

Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 45 **DIST/DIR:** 0.07 SE **ELEVATION:** 165 **MAP ID:** 28

NAME: E.J. WHITNEY CO INC **REV:** 02/19/10
ADDRESS: 529 SOUTH RAYMOND AVE **ID1:** CAL000089845
FULLERTON CA 92631 **ID2:**
ORANGE **STATUS:** ACTIVE
CONTACT: **PHONE:**
SOURCE: CA DTSC

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 6/3/1993
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 529 S RAYMOND AVE, FULLERTON, CA 92831-0000
Owner Name: THOMAS E WHITNEY
Owner Address: 133 E MADISON, PLACENTIA, CA 92870-0000
Contact Name: TOM WHITNEY-OWNER
Contact Address: 133 E MADISON, PLACENTIA, CA 92870-0000
Contact Phone: 7147731611

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
2009 Waste Type:
2009 Total Tonnage:
2008 Waste Type: Off-specification, aged or surplus organics
2008 Total Tonnage: 0.0825
2007 Waste Type: Unspecified solvent mixture
2007 Total Tonnage: 0.1668
2006 Waste Type:
2006 Total Tonnage:
2005 Waste Type: Unspecified solvent mixture
2005 Total Tonnage: 0.08

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Unspecified solvent mixture
2004 Total Tonnage: 0.16
2003 Waste Type: Unspecified solvent mixture
2003 Total Tonnage: 0.16
2002 Waste Type: Unspecified solvent mixture
2002 Total Tonnage: 0.14
2001 Waste Type: Unspecified solvent mixture
2001 Total Tonnage: 0.12
2000 Waste Type: Invalid waste code
2000 Total Tonnage: 0.14

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type: Unspecified solvent mixture
1999 Total Tonnage: 0.2293
1998 Waste Type: Unspecified solvent mixture
1998 Total Tonnage: 0.2293
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type: Unspecified solvent mixture
1996 Total Tonnage: 0.1251
1995 Waste Type: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
1995 Total Tonnage: 0.2293
1994 Waste Type: Unspecified solvent mixture
1994 Total Tonnage: 0.2293
1993 Waste Type: Unspecified solvent mixture
1993 Total Tonnage: 0.2293

Orange County Transportation Authority

EXHIBIT K Page 273 of 377
- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 45	DIST/DIR: 0.07 SE	ELEVATION: 165	MAP ID: 28
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NAME: E.J. WHITNEY CO INC
ADDRESS: 529 SOUTH RAYMOND AVE
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000089845
ID2:
STATUS: ACTIVE
PHONE:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 13 **DIST/DIR:** 0.08 SW **ELEVATION:** 164 **MAP ID:** 29

NAME: SEMAAN PRINTING CO INC
ADDRESS: 535 S RAYMOND AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983652686
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: SIMON SEMANN
535 S RAYMOND AVE
FULLERTON CA 92631

PHONE: 7148708188

UNIVERSE INFORMATION:

NAIC INFORMATION

323110 - COMMERCIAL LITHOGRAPHIC PRINTING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 5 **DIST/DIR:** 0.09 NW **ELEVATION:** 174 **MAP ID:** 30

NAME: CANNING GUMM INC WESTERN DIV
ADDRESS: 1404 E WALNUT AVE STE B
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: EPA

REV: 12/9/02
ID1: CAP000043307
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

UNIVERSE TYPE:

SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

SIC INFORMATION:

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

RCRAGN

SEARCH ID: 12 **DIST/DIR:** 0.09 SE **ELEVATION:** 172 **MAP ID:** 31

NAME: RECKITT BENCKISER INC
ADDRESS: 701 S SALLY PL UNIT A
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 12/9/02
ID1: CAP000067801
ID2:
STATUS: LGN
PHONE:

SITE INFORMATION

UNIVERSE TYPE:

LQG - LARGE QUANTITY GENERATORS: GENERATES MORE THAN 1000 KG/MONTH OF HAZARDOUS WASTE

SIC INFORMATION:

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 6 **DIST/DIR:** 0.09 SE **ELEVATION:** 172 **MAP ID:** 31

NAME: CAROLINA LOGISTICS SERVICES LLC
ADDRESS: 701 S SALLY PL
FULLERTON CA 92831

REV: 7/14/10
ID1: CAR000175257
ID2:
STATUS: LGN
PHONE:

CONTACT:
SOURCE: EPA

CONTACT INFORMATION:

SUSIE OUELLETTE
336-631-7741
SUSIE.OUELLETTE INMAR.COM

UNIVERSE INFORMATION:

GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA CA BASELINE UNIVERSE: NO

GPRA CA 2008: NO

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA: NO

SUBJCA TSD 3004: NO

SUBJCA NON TSD: NO

SUBJCA TSD DISCRETION: NO

PERMIT WORKLOAD: ----

CLOSURE WORKLOAD: ----

POST CLOSURE WORKLOAD: ----

PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: ----

CORRECTIVE ACTION WORKLOAD: NO

GENERATOR STATUS: LQG

TRANSPORTER: NO

UNIVERSAL WASTE: NO

RECYCLER: NO

USED OIL: NO

IMPORTER: NO

MIXED WASTE GENERATOR: NO

ONSITE BURNER EXEMPT: NO

FURNACE EXEMPTION: NO

UNDERGROUND INJECTION: NO

NAIC 1: Other Grocery and Related Products Merchant Wholesalers

NAIC 2:

NAIC 3:

NAIC 4:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 10 **DIST/DIR:** 0.09 N- **ELEVATION:** 171 **MAP ID:** 32

NAME: MACDERMID INC
ADDRESS: 1404 E WALNUT UNIT B
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAR000059758
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: GREG STRONG
245 FREIGHT ST
WATERBURY CT 06702

PHONE: 2035755700

UNIVERSE INFORMATION:

NAIC INFORMATION

325998 - ALL OTHER MISCELLANEOUS CHEMICAL PRODUCT AND PREPARATION MANUFACTURING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

Silver
Lead
D000
Corrosive waste
Chromium
Ignitable waste

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 34 **DIST/DIR:** 0.09 NW **ELEVATION:** 172 **MAP ID:** 33

NAME: ALL-ROADS MOVING AND STORAGE
ADDRESS: 1400 WALNUT AVE
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA SWRCB

REV: 06/22/10
ID1: T0605900546
ID2:
STATUS: COMPLETED - CASE CLOSED
PHONE:

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

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LEAD AGENCY: FULLERTON, CITY OF
REGIONAL BOARD CASE NUMBER: 083000690T
LOCAL AGENCY: FULLERTON, CITY OF
LOCAL CASE NUMBER:
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN: Gasoline
POTENTIAL MEDIA AFFECTED: Soil
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: Completed - Case Closed
STATUS DATE: 1991-10-01
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Reported

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Discovery

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 35 **DIST/DIR:** 0.09 NW **ELEVATION:** 173 **MAP ID:** 34

NAME: ALLERGAN
ADDRESS: 1410 WALNUT
FULLERTON CA 92631
ORANGE

REV: 06/22/10
ID1: T0605901018
ID2:
STATUS: COMPLETED - CASE CLOSED
PHONE:

CONTACT:
SOURCE: CA SWRCB

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: ORANGE COUNTY LOP
REGIONAL BOARD CASE NUMBER: 083001333T
LOCAL AGENCY: ORANGE COUNTY LOP
LOCAL CASE NUMBER: 89UT179
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE TYPE: LUST Cleanup Site
POTENTIAL CONTAMINANTS OF CONCERN:
POTENTIAL MEDIA AFFECTED: Soil
LEAK CAUSE:
LEAK SOURCE:

HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):

STATUS: Completed - Case Closed
STATUS DATE: 1990-02-14

ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):
SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Discovery

ACTION TYPE (blank if not reported): Other
DATE (blank if not reported): 1950-01-01
ACTION (blank if not reported): Leak Reported

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION (parts per billion):
MTBE SOIL CONCENTRATION (parts per million):
MTBE CNTS:
MTBE FUEL:
MTBE TESTED:
MTBE CLASS:

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 67 **DIST/DIR:** 0.09 NW **ELEVATION:** 170 **MAP ID:** 35

NAME:	US DELIVERY	REV:	02/19/10
ADDRESS:	1250 EAST WALNUT AVE FULLERTON CA 92831 ORANGE	ID1:	CAL000017265
		ID2:	
CONTACT:		STATUS:	INACTIVE
SOURCE:	CA DTSC	PHONE:	

**THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI)
SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :**

Date Record was Created:	11/14/1989
Inactivity Date:	12/15/2004
Facility Mail Name:	DO NOT USE, INACTIVE NUMBER
Facility Mailing Address:	1250 E WALNUT AVE, FULLERTON, CA 92831-4746
Owner Name:	J WHITE INC
Owner Address:	1250 E WALNUT AVE, FULLERTON, CA 92831-4746
Contact Name:	JUDY A WHITE-PRESIDENT
Contact Address:	1250 E WALNUT AVE, FULLERTON, CA 92831-4746
Contact Phone:	7147387888

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:	
2009 Waste Type:	
2009 Total Tonnage:	
2008 Waste Type:	
2008 Total Tonnage:	
2007 Waste Type:	Oil/water separation sludge
2007 Total Tonnage:	3.1275
2006 Waste Type:	Oil/water separation sludge
2006 Total Tonnage:	1.75
2005 Waste Type:	
2005 Total Tonnage:	

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:	
2004 Total Tonnage:	
2003 Waste Type:	Oil/water separation sludge
2003 Total Tonnage:	0.39
2002 Waste Type:	
2002 Total Tonnage:	
2001 Waste Type:	
2001 Total Tonnage:	
2000 Waste Type:	
2000 Total Tonnage:	

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:	
1999 Total Tonnage:	
1998 Waste Type:	
1998 Total Tonnage:	
1997 Waste Type:	
1997 Total Tonnage:	
1996 Waste Type:	
1996 Total Tonnage:	
1995 Waste Type:	
1995 Total Tonnage:	
1994 Waste Type:	
1994 Total Tonnage:	
1993 Waste Type:	
1993 Total Tonnage:	

Orange County Transportation Authority

EXHIBIT K Page 281 of 377
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***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 67	DIST/DIR: 0.09 NW	ELEVATION: 170	MAP ID: 35
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NAME: US DELIVERY
ADDRESS: 1250 EAST WALNUT AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000017265
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 46	DIST/DIR: 0.09 NW	ELEVATION: 170	MAP ID: 35
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NAME: FBI EXPRESS INC
ADDRESS: 1250 EAST WALNUT AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000302246
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

DETAILS NOT AVAILABLE

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 53 **DIST/DIR:** 0.09 NW **ELEVATION:** 178 **MAP ID:** 36

NAME:	KRAFT FOODS INC	REV:	02/19/10
ADDRESS:	1500 EAST WALNUT FULLERTON CA 90631 ORANGE	ID1:	CAL000050746
CONTACT:		ID2:	
SOURCE:	CA DTSC	STATUS:	ACTIVE
		PHONE:	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWM) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 10/18/1994

Inactivity Date:

Facility Mail Name:

Facility Mailing Address: 3 LAKES DR NF335, NORTHFIELD, IL 60093-2753

Owner Name: KRAFT FOODS INC

Owner Address: ONE KRAFT CT (GV759), GLENVIEW, IL 60025-0000

Contact Name: TOM ANDERS-MGR ENV AFFRS

Contact Address: PO BOX 580390, MODESTO, CA 95358-2753

Contact Phone: 2095413472

HWM WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
2009 Waste Type:	Other organic solids
2009 Total Tonnage:	0.04
2008 Waste Type:	Other organic solids
2008 Total Tonnage:	0.45
2007 Waste Type:	Other organic solids
2007 Total Tonnage:	0.16
2006 Waste Type:	Waste oil and mixed oil
2006 Total Tonnage:	0.4
2005 Waste Type:	Aqueous solution with total organic residues less than 10 percent
2005 Total Tonnage:	0.33

HWM WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:	Other organic solids
2004 Total Tonnage:	0.17
2003 Waste Type:	Oil/water separation sludge
2003 Total Tonnage:	201.32
2002 Waste Type:	Oil/water separation sludge
2002 Total Tonnage:	17.38
2001 Waste Type:	Aqueous solution with total organic residues less than 10 percent
2001 Total Tonnage:	0.42
2000 Waste Type:	Aqueous solution with total organic residues less than 10 percent
2000 Total Tonnage:	0.4

HWM WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:	
1999 Total Tonnage:	0.05
1998 Waste Type:	Polychlorinated biphenyls and material containing PCBs
1998 Total Tonnage:	0.0077
1997 Waste Type:	
1997 Total Tonnage:	
1996 Waste Type:	
1996 Total Tonnage:	
1995 Waste Type:	
1995 Total Tonnage:	
1994 Waste Type:	
1994 Total Tonnage:	
1993 Waste Type:	
1993 Total Tonnage:	

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 53	DIST/DIR: 0.09 NW	ELEVATION: 178	MAP ID: 36
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NAME: KRAFT FOODS INC
ADDRESS: 1500 EAST WALNUT
FULLERTON CA 90631
ORANGE

REV: 02/19/10
ID1: CAL000050746
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

Environmental FirstSearch
Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 54	DIST/DIR: 0.09 NW	ELEVATION: 181	MAP ID: 37
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NAME: MIHM S TRUCK REPAIR
ADDRESS: 1526 EAST WALNUT AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000263610
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

DETAILS NOT AVAILABLE

Environmental FirstSearch

Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 56 **DIST/DIR:** 0.09 SE **ELEVATION:** 166 **MAP ID:** 38

NAME: RAYMAC GRINDING CO **REV:** 02/19/10
ADDRESS: 1207 EAST ASH AVE **ID1:** CAL000070279
FULLERTON CA 92831 **ID2:**
ORANGE **STATUS:** ACTIVE
CONTACT: **PHONE:**
SOURCE: CA DTSC

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 3/11/1992
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 1207 E ASH AVE, FULLERTON, CA 92831-5019
Owner Name: JOHNNY MARTINEZ SR.
Owner Address: 1207 E ASH AVE, FULLERTON, CA 92831-0000
Contact Name: JOHNNY MARTINEZ SR. PRES.
Contact Address: 1207 E ASH AVE, FULLERTON, CA 92831-0000
Contact Phone: 7145257793

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type: OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID
REGENERATION, ORGANICS RECOVERY ECT
2009 Waste Type: Unspecified oil-containing waste
2009 Total Tonnage: 1.14675
2008 Waste Type: Unspecified oil-containing waste
2008 Total Tonnage: 2.60625
2007 Waste Type: Unspecified oil-containing waste
2007 Total Tonnage: 0.35445
2006 Waste Type: Unspecified oil-containing waste
2006 Total Tonnage: 1.14
2005 Waste Type: Unspecified oil-containing waste
2005 Total Tonnage: 1.35

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:
2004 Total Tonnage:
2003 Waste Type: Unspecified oil-containing waste
2003 Total Tonnage: 3.5
2002 Waste Type: Unspecified oil-containing waste
2002 Total Tonnage: 5.37
2001 Waste Type:
2001 Total Tonnage:
2000 Waste Type:
2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:
1999 Total Tonnage:
1998 Waste Type:
1998 Total Tonnage:
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type: Other inorganic solid waste
1995 Total Tonnage: 0.7
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type: Unspecified oil-containing waste
1993 Total Tonnage: 0.5

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 56	DIST/DIR: 0.09 SE	ELEVATION: 166	MAP ID: 38
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NAME: RAYMAC GRINDING CO
ADDRESS: 1207 EAST ASH AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000070279
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

Environmental FirstSearch
Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 58 **DIST/DIR:** 0.09 S- **ELEVATION:** 168 **MAP ID:** 39

NAME: SECURITY SIGNAL DEVICES INC/DBA SSD SYS
ADDRESS: 1227 EAST ASH ST
 FULLERTON CA 92831
 ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000290149
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

HWMANIFEST

SEARCH ID: 72 **DIST/DIR:** 0.09 N- **ELEVATION:** 194 **MAP ID:** 40

NAME: JACO ENVIRONMENTAL INC
ADDRESS: 331 SOUTH HALE STE AandB AVE
 FULLERTON CA 92831
 ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000300124
ID2:
STATUS: ACTIVE
PHONE:

DETAILS NOT AVAILABLE

NFRAP

SEARCH ID: 1 **DIST/DIR:** 0.10 SE **ELEVATION:** 166 **MAP ID:** 41

NAME: WESTERN ROTO ENGRAVERS INC
ADDRESS: 1224 E ASH ST
 FULLERTON CA 92631
 ORANGE
CONTACT:
SOURCE: EPA

REV: 8/31/10
ID1: CAT080025018
ID2: 0902695
STATUS: NFRAP-N
PHONE:

DESCRIPTION:

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
ARCHIVE SITE	EPA In-House		8/1/1985
DISCOVERY	EPA Fund-Financed		1/1/1981
PRELIMINARY ASSESSMENT NFRAP: NO FURTHER REMEDIAL ACTION PLANNED	State, Fund Financed	19-85-3/1/	8/1/1985

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 15	DIST/DIR: 0.10 SE	ELEVATION: 166	MAP ID: 41
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NAME: WESTERN ROTO ENGRAVERS
ADDRESS: 1224 E ASH ST
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAT080025018
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
1224 EAST ASH STREET
FULLERTON CA 92631

PHONE:

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

UST

SEARCH ID: 32 **DIST/DIR:** 0.10 SE **ELEVATION:** 166 **MAP ID:** 42

NAME: ATLAS COPCO RENTAL INC
ADDRESS: 1212 ASH
FULLERTON CA 92631
Orange

REV: 01/01/94
ID1: TISID-STATE34507
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by us. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 3	DIST/DIR: 0.10 SE	ELEVATION: 166	MAP ID: 42
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NAME: ATLAS COPCO INC
ADDRESS: 1212 E ASH AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983616699
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: R L HOSSLER
1212 E ASH AVE
FULLERTON CA 92631

PHONE: 7146391502

UNIVERSE INFORMATION:

NAIC INFORMATION

53231 - GENERAL RENTAL CENTERS

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

LUST

SEARCH ID: 37 **DIST/DIR:** 0.10 SE **ELEVATION:** 166 **MAP ID:** 42

NAME: ATLAS COPCO RENTAL INC.

REV: 06/22/10

ADDRESS: 1212 ASH ST
FULLERTON CA 92831
ORANGE

ID1: T0605902049

ID2:

STATUS: COMPLETED - CASE CLOSED

CONTACT:

PHONE:

SOURCE: CA SWRCB

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: FULLERTON, CITY OF

REGIONAL BOARD CASE NUMBER: 083002996T

LOCAL AGENCY: FULLERTON, CITY OF

LOCAL CASE NUMBER:

RESPONSIBLE PARTY:

ADDRESS OF RESPONSIBLE PARTY:

SITE OPERATOR:

WATER SYSTEM:

CASE TYPE: LUST Cleanup Site

POTENTIAL CONTAMINANTS OF CONCERN: Gasoline

POTENTIAL MEDIA AFFECTED: Soil

LEAK CAUSE:

LEAK SOURCE:

HOW LEAK WAS DISCOVERED:

DATE DISCOVERED (blank if not reported):

HOW LEAK WAS STOPPED:

STOP DATE (blank if not reported):

STATUS: Completed - Case Closed

STATUS DATE: 2004-09-20

ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):

ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):

DATE OF ENFORCEMENT (blank if not reported):

SITE HISTORY (blank if not reported):

ACTION TYPE (blank if not reported): Other

DATE (blank if not reported): 1950-01-01

ACTION (blank if not reported): Leak Stopped

ACTION TYPE (blank if not reported): Other

DATE (blank if not reported): 1950-01-01

ACTION (blank if not reported): Leak Reported

ACTION TYPE (blank if not reported): Other

DATE (blank if not reported): 1950-01-01

ACTION (blank if not reported): Leak Discovery

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE (Date of historical maximum MTBE concentration):

MTBE GROUNDWATER CONCENTRATION (parts per billion):

MTBE SOIL CONCENTRATION (parts per million):

MTBE CNTS:

MTBE FUEL:

MTBE TESTED:

MTBE CLASS:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 4	DIST/DIR: 0.10 NW	ELEVATION: 164	MAP ID: 43
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NAME: C AND C MACHINE
ADDRESS: 1101 E TRUSLOW AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD983651647
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: RICHARD CHARRON
1101 E TRUSLOW AVE
FULLERTON CA 92631

PHONE: 7146806076

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report*****Target Property:** RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

RCRAGN

SEARCH ID: 9 **DIST/DIR:** 0.10 SE **ELEVATION:** 166 **MAP ID:** 44**NAME:** KRYLER CORP.
ADDRESS: 1217 E ASH
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA**REV:** 7/14/10
ID1: CAD981452915
ID2:
STATUS: LGN
PHONE:**SITE INFORMATION****CONTACT INFORMATION:** CHET KRYGLER
1217 E ASH AVE
FULLERTON CA 92831**PHONE:** 7148719611**UNIVERSE INFORMATION:****NAIC INFORMATION**

332813 - ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

ENFORCEMENT INFORMATION:**VIOLATION INFORMATION:****HAZARDOUS WASTE INFORMATION:**Reactive waste
Corrosive waste
Chromium
Cadmium
Ignitable waste

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 20 **DIST/DIR:** 0.10 N- **ELEVATION:** 191 **MAP ID:** 45

NAME: CALIFORNIA ALMOND GROWERS
ADDRESS: 325 S HALE AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAD981369622
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: ENVIRONMENTAL MANAGER
325 S HALE AVE
FULLERTON CA 92531

PHONE: 7146800800

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 23 **DIST/DIR:** 0.10 NW **ELEVATION:** 181 **MAP ID:** 46

NAME:	CAT TRUCK LINE	REV:	3/11/92
ADDRESS:	1522 E. WALNUT FULLERTON CA 92631 ORANGE	ID1:	259788
CONTACT:		ID2:	
SOURCE:	EPA	STATUS:	UNKNOWN (EPA REGIONS)
		PHONE:	

SPILL INFORMATION

DATE OF SPILL: 3/11/1992 **TIME OF SPILL:** 1342

PRODUCT RELEASED (1): WASTE OIL
QUANTITY (1): 7
UNITS (1): DRU

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	GROUNDWATER:	NO
LAND:	NO	FIXED FACILITY:	NO
WATER:	NO	OTHER:	NO
WATERBODY AFFECTED BY RELEASE:			

SPILL INFORMATION

DATE OF SPILL: 3/11/1992 **TIME OF SPILL:** 1342

PRODUCT RELEASED (1): WASTE OIL
QUANTITY (1): 7
UNITS (1): DRU

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	GROUNDWATER:	NO
LAND:	NO	FIXED FACILITY:	NO
WATER:	NO	OTHER:	NO
WATERBODY AFFECTED BY RELEASE:			

CAUSE OF RELEASE

DUMPING:	YES	EQUIPMENT FAILURE:	NO
NATURAL PHENOMENON:	NO	OPERATOR ERROR:	NO
OTHER CAUSE:	NO	TRANSP. ACCIDENT:	NO
UNKNOWN:	NO		

ACTIONS TAKEN: CLEANUP TO BE ARRANGED BY FULLERTON FD

RELEASE DETECTION: NO RELEASE/7 ABANDONED DRUMS

Orange County Transportation Authority

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- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 23 **DIST/DIR:** 0.10 NW **ELEVATION:** 181 **MAP ID:** 46

NAME: CAT TRUCK LINE
ADDRESS: 1522 E. WALNUT
FULLERTON CA 92631
ORANGE

REV: 3/11/92
ID1: 259788
ID2:
STATUS: UNKNOWN (EPA REGIONS)
PHONE:

CONTACT:
SOURCE: EPA

MISC. NOTES:

DISCHARGER INFORMATION

DISCHARGER ID: 259788
TYPE OF DISCHARGER: PRIVATE CITIZEN
NAME OF DISCHARGER: CAT TRUCK LINE
ADDRESS: 1522 E. WALNUT
FULLERTON CA 92631-

DUN and BRADSTREET :

CAUSE OF RELEASE

DUMPING:	YES	EQUIPMENT FAILURE:	NO
NATURAL PHENOMENON:	NO	OPERATOR ERROR:	NO
OTHER CAUSE:	NO	TRANSP. ACCIDENT:	NO
UNKNOWN:	NO		

ACTIONS TAKEN: CLEANUP TO BE ARRANGED BY FULLERTON FD

RELEASE DETECTION: NO RELEASE/ 7 ABANDONED DRUMS

MISC. NOTES:

DISCHARGER INFORMATION

DISCHARGER ID: 259788
TYPE OF DISCHARGER: PRIVATE CITIZEN
NAME OF DISCHARGER: CAT TRUCK LINE
ADDRESS: 1522 E. WALNUT
FULLERTON CA 92631-

DUN and BRADSTREET :

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 43	DIST/DIR: 0.10 S-	ELEVATION: 167	MAP ID: 47
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NAME: BC2 ENVIRONMENTAL CORPORATION ADDRESS: 1212 EAST ASH AVE FULLERTON CA 92831 ORANGE CONTACT: SOURCE: CA DTSC	REV: 02/19/10 ID1: CAL000259214 ID2: STATUS: ACTIVE PHONE:
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DETAILS NOT AVAILABLE

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 57 **DIST/DIR:** 0.10 S- **ELEVATION:** 168 **MAP ID:** 48

NAME: SANTANA SERVICES
ADDRESS: 1224 EAST ASH AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000196840
ID2:
STATUS: ACTIVE
PHONE:

**THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI)
SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :**

Date Record was Created: 1/20/1999

Inactivity Date:

Facility Mail Name:

Facility Mailing Address: 1224 E ASH AVE, FULLERTON, CA 92831-0000

Owner Name: EDWARD SANTANA

Owner Address: 1224 E ASH AVE, FULLERTON, CA 92831-0000

Contact Name: EDWARD SANTANA

Contact Address: 1224 E ASH AVE, FULLERTON, CA 92831-0000

Contact Phone: 7147734700

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:

2009 Waste Type:

2009 Total Tonnage:

2008 Waste Type:

2008 Total Tonnage:

2007 Waste Type:

2007 Total Tonnage:

2006 Waste Type:

2006 Total Tonnage:

2005 Waste Type:

2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:

2004 Total Tonnage:

2003 Waste Type:

2003 Total Tonnage:

2002 Waste Type:

2002 Total Tonnage:

2001 Waste Type:

2001 Total Tonnage:

2000 Waste Type:

2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:

1999 Total Tonnage:

1998 Waste Type:

1998 Total Tonnage:

1997 Waste Type:

1997 Total Tonnage:

1996 Waste Type:

1996 Total Tonnage:

1995 Waste Type:

1995 Total Tonnage:

1994 Waste Type:

1994 Total Tonnage:

1993 Waste Type:

1993 Total Tonnage:

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 57	DIST/DIR: 0.10 S-	ELEVATION: 168	MAP ID: 48
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NAME: SANTANA SERVICES
ADDRESS: 1224 EAST ASH AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000196840
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

Environmental FirstSearch
Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 60	DIST/DIR: 0.10 SE	ELEVATION: 169	MAP ID: 49
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NAME: SOUTHERN CALILFORIA TRUCKING INC . ADDRESS: 1234 EAST ASH UNIT AVE FULLERTON CA 92831 ORANGE CONTACT: SOURCE: CA DTSC	REV: 02/19/10 ID1: CAL000319351 ID2: STATUS: ACTIVE PHONE:
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DETAILS NOT AVAILABLE

Environmental FirstSearch

Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 71 **DIST/DIR:** 0.10 S- **ELEVATION:** 181 **MAP ID:** 50

NAME: WILSONS ART STUDIO INC **REV:** 02/19/10
ADDRESS: 501 SOUTH ACACIA AVE **ID1:** CAL000194220
 FULLERTON CA 92831 **ID2:**
 ORANGE **STATUS:** ACTIVE
CONTACT: **PHONE:**
SOURCE: CA DTSC

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 4/29/1998
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 501 S ACACIA AVE, FULLERTON, CA 92831-5101
Owner Name: WILLIAM L GOETSCH
Owner Address: 501 S ACACIA AVE, FULLERTON, CA 92831-5101
Contact Name: NORMAN GOETSCH
Contact Address: 501 S ACACIA AVE, FULLERTON, CA 92831-5101
Contact Phone: 7148707030

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:
2009 Waste Type:
2009 Total Tonnage:
2008 Waste Type: Unspecified organic liquid mixture
2008 Total Tonnage: 0.561
2007 Waste Type: Unspecified organic liquid mixture
2007 Total Tonnage: 1.14675
2006 Waste Type: Unspecified organic liquid mixture
2006 Total Tonnage: 0.68
2005 Waste Type: Unspecified organic liquid mixture
2005 Total Tonnage: 1.37

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Unspecified organic liquid mixture
2004 Total Tonnage: 1.14
2003 Waste Type: Unspecified organic liquid mixture
2003 Total Tonnage: 0.45
2002 Waste Type: Unspecified organic liquid mixture
2002 Total Tonnage: 0.68
2001 Waste Type: Unspecified organic liquid mixture
2001 Total Tonnage: 0.91
2000 Waste Type: Off-specification, aged or surplus organics
2000 Total Tonnage: 0.68

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type: Polychlorinated biphenyls and material containing PCBs
1999 Total Tonnage: 1
1998 Waste Type: Photochemicals/photoprocessing waste
1998 Total Tonnage: 0.2293
1997 Waste Type:
1997 Total Tonnage:
1996 Waste Type:
1996 Total Tonnage:
1995 Waste Type:
1995 Total Tonnage:
1994 Waste Type:
1994 Total Tonnage:
1993 Waste Type:
1993 Total Tonnage:

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 71	DIST/DIR: 0.10 S-	ELEVATION: 181	MAP ID: 50
----------------------	--------------------------	-----------------------	-------------------

NAME: WILSONS ART STUDIO INC
ADDRESS: 501 SOUTH ACACIA AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000194220
ID2:
STATUS: ACTIVE
PHONE:

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

RCRAGN

SEARCH ID: 21 **DIST/DIR:** 0.11 SE **ELEVATION:** 200 **MAP ID:** 51

NAME: GLENAIR FULLERTON
ADDRESS: 2300 E VALENCIA DR
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: EPA

REV: 7/14/10
ID1: CAR000161802
ID2:
STATUS: SGN
PHONE:

SITE INFORMATION

CONTACT INFORMATION: JUAN FIGUERAS
1211 AIR WAY
GLENDALE CA 91201

PHONE: 818-247-6000

UNIVERSE INFORMATION:

NAIC INFORMATION

334417 - ELECTRONIC CONNECTOR MANUFACTURING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

Chromium

Environmental FirstSearch ***Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 42 **DIST/DIR:** 0.11 SE **ELEVATION:** 165 **MAP ID:** 52

NAME:	BAVARIAN AUTOTECH S	REV:	02/19/10
ADDRESS:	551 SOUTH RAYMOND FULLERTON CA 92631 ORANGE	ID1:	CAL000021788
		ID2:	
CONTACT:		STATUS:	INACTIVE
SOURCE:	CA DTSC	PHONE:	

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created:	11/14/1989
Inactivity Date:	10/2/2006
Facility Mail Name:	
Facility Mailing Address:	551 S RAYMOND AVE, FULLERTON, CA 92831-5026
Owner Name:	MANFRED SEGGER
Owner Address:	551 S RAYMOND AVE, FULLERTON, CA 92831-5026
Contact Name:	MANFRED SEGGER
Contact Address:	, FULLERTON, CA 92831-5026
Contact Phone:	7148704450

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:	
2009 Waste Type:	
2009 Total Tonnage:	
2008 Waste Type:	
2008 Total Tonnage:	
2007 Waste Type:	Unspecified organic liquid mixture
2007 Total Tonnage:	0.47955
2006 Waste Type:	Unspecified organic liquid mixture
2006 Total Tonnage:	0.16
2005 Waste Type:	Unspecified organic liquid mixture
2005 Total Tonnage:	1.1

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:	Unspecified organic liquid mixture
2004 Total Tonnage:	1.16
2003 Waste Type:	Unspecified organic liquid mixture
2003 Total Tonnage:	1.12
2002 Waste Type:	Unspecified organic liquid mixture
2002 Total Tonnage:	0.93
2001 Waste Type:	Unspecified organic liquid mixture
2001 Total Tonnage:	1
2000 Waste Type:	Unspecified organic liquid mixture
2000 Total Tonnage:	0.91

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:	Unspecified organic liquid mixture
1999 Total Tonnage:	0.8339
1998 Waste Type:	Unspecified organic liquid mixture
1998 Total Tonnage:	1.1675
1997 Waste Type:	Unspecified organic liquid mixture
1997 Total Tonnage:	1.1259
1996 Waste Type:	Unspecified organic liquid mixture
1996 Total Tonnage:	0.9799
1995 Waste Type:	Unspecified organic liquid mixture
1995 Total Tonnage:	0.859
1994 Waste Type:	Unspecified aqueous solution
1994 Total Tonnage:	0.4587
1993 Waste Type:	Unspecified aqueous solution
1993 Total Tonnage:	0.2293

Orange County Transportation Authority

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***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 42	DIST/DIR: 0.11 SE	ELEVATION: 165	MAP ID: 52
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NAME: BAVARIAN AUTOTECH S
ADDRESS: 551 SOUTH RAYMOND
FULLERTON CA 92631
ORANGE

REV: 02/19/10
ID1: CAL000021788
ID2:
STATUS: INACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 41 **DIST/DIR:** 0.11 SE **ELEVATION:** 165 **MAP ID:** 52

NAME: BAVARIAN AUTO TECH
ADDRESS: 551 SOUTH RAYMOND AVE
FULLERTON CA 92831
ORANGE

REV: 02/19/10
ID1: CAL000017247
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

**THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI)
SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :**

Date Record was Created: 11/14/1989

Inactivity Date:

Facility Mail Name:

Facility Mailing Address:

551 S RAYMOND AVE, FULLERTON, CA 92831-5026

Owner Name:

SEGGER M OR NIKITSCHKE

Owner Address:

551 S RAYMOND AVE, FULLERTON, CA 92831-5026

Contact Name:

JOHANN NIKITSCHER

Contact Address:

5465 LOS MONTEROS, YORBA LINDA, CA 92887-5110

Contact Phone:

7148704450

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type:

2009 Waste Type:

2009 Total Tonnage:

2008 Waste Type:

2008 Total Tonnage:

2007 Waste Type:

2007 Total Tonnage:

2006 Waste Type:

2006 Total Tonnage:

2005 Waste Type:

2005 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type:

2004 Total Tonnage:

2003 Waste Type:

2003 Total Tonnage:

2002 Waste Type:

2002 Total Tonnage:

2001 Waste Type:

2001 Total Tonnage:

2000 Waste Type:

2000 Total Tonnage:

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type:

1999 Total Tonnage:

1998 Waste Type:

1998 Total Tonnage:

1997 Waste Type:

1997 Total Tonnage:

1996 Waste Type:

1996 Total Tonnage:

1995 Waste Type:

1995 Total Tonnage:

1994 Waste Type:

1994 Total Tonnage:

1993 Waste Type:

1993 Total Tonnage:

Orange County Transportation Authority

EXHIBIT K Page 308 of 377
- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 41	DIST/DIR: 0.11 SE	ELEVATION: 165	MAP ID: 52
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NAME: BAVARIAN AUTO TECH
ADDRESS: 551 SOUTH RAYMOND AVE
FULLERTON CA 92831
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000017247
ID2:
STATUS: ACTIVE
PHONE:

Environmental FirstSearch

Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 74 **DIST/DIR:** 0.11 NE **ELEVATION:** 199 **MAP ID:** 53

NAME: NORDSTROM INC 391
ADDRESS: 2200 EAST WALNUT AVE
FULLERTON CA 92631
ORANGE
CONTACT:
SOURCE: CA DTSC

REV: 02/19/10
ID1: CAL000064266
ID2:
STATUS: ACTIVE
PHONE:

THE CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY (HWMI) SITE INFORMATION FROM THE CA EPA AND DTSC HAZARDOUS WASTE TRACKING SYSTEM (HWTS) :

Date Record was Created: 2/24/1992
Inactivity Date:
Facility Mail Name:
Facility Mailing Address: 2200 E WALNUT AVE, FULLERTON, CA 92831-4910
Owner Name: NORDSTROM INC
Owner Address: 500 PINE ST STE 500, SEATTLE, WA 98101-1603
Contact Name: CHRIS MOUNTAIN
Contact Address: 2200 E WALNUT AVE, FULLERTON, CA 92831-4910
Contact Phone: 7144494019

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2005-2009:

2009 Method Type: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY
(H010-H129) OR (H131-H135)
2009 Waste Type: Other organic solids
2009 Total Tonnage: 0.8428
2008 Waste Type: Other inorganic solid waste
2008 Total Tonnage: 0.0225
2007 Waste Type: Other organic solids
2007 Total Tonnage: 0.1
2006 Waste Type: Other organic solids
2006 Total Tonnage: 0.05
2005 Waste Type: Other organic solids
2005 Total Tonnage: 0.15

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 2000-2004:

2004 Waste Type: Other inorganic solid waste
2004 Total Tonnage: 0.02
2003 Waste Type: Other organic solids
2003 Total Tonnage: 0.12
2002 Waste Type: Other organic solids
2002 Total Tonnage: 0.3
2001 Waste Type: Other organic solids
2001 Total Tonnage: 0.1
2000 Waste Type: Other organic solids
2000 Total Tonnage: 0.17

HWMI WASTE TYPE AND TONNAGE INFORMATION BY YEAR 1993-1999:

1999 Waste Type: Unspecified solvent mixture
1999 Total Tonnage: 0.05
1998 Waste Type: Unspecified solvent mixture
1998 Total Tonnage: 0.07
1997 Waste Type: Other organic solids
1997 Total Tonnage: 0.15
1996 Waste Type: Other organic solids
1996 Total Tonnage: 0.4
1995 Waste Type: Other organic solids
1995 Total Tonnage: 0.28
1994 Waste Type: Unspecified solvent mixture
1994 Total Tonnage: 0.2085
1993 Waste Type: Unspecified solvent mixture
1993 Total Tonnage: 0.2293

Orange County Transportation Authority

EXHIBIT K Page 310 of 377
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***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 74	DIST/DIR: 0.11 NE	ELEVATION: 199	MAP ID: 53
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NAME: NORDSTROM INC 391
ADDRESS: 2200 EAST WALNUT AVE
FULLERTON CA 92631
ORANGE

REV: 02/19/10
ID1: CAL000064266
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE: CA DTSC

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

HWMANIFEST

SEARCH ID: 75	DIST/DIR: 0.11 SE	ELEVATION: 200	MAP ID: 54
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NAME: SOUTHERN CA PRECISION MACHINING INC ADDRESS: 2300 EAST VALENCIA DR FULLERTON CA 92831 ORANGE CONTACT: SOURCE: CA DTSC	REV: 02/19/10 ID1: CAL000325313 ID2: STATUS: ACTIVE PHONE:
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DETAILS NOT AVAILABLE

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

TRIBALLAND

SEARCH ID: 81	DIST/DIR: NON GC	ELEVATION:	MAP ID:
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NAME: BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION
ADDRESS: UNKNOWN
 CA 92832
 ORANGE
CONTACT:
SOURCE: BIA

REV: 01/15/08
ID1: BIA-92832
ID2:
STATUS:
PHONE:

BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION

OFFICE: Pacific Regional Office
CONTACT: CLAY GREGORY, REGIONAL DIRECTOR

ADDRESS: 2800 Cottage Way
 Sacramento CA 95825
PHONE: Phone: 916-978-6000
FAX: Fax: 916-978-6099

The Native American Consultation Database (NACD) is a tool for identifying consultation contacts for Indian tribes, Alaska Native villages and corporations, and Native Hawaiian organizations. The database is not a comprehensive source of information, but it does provide a starting point for the consultation process by identifying tribal leaders and NAGPRA contacts. This database can be accessed online at the following web address
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Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

STATE

SEARCH ID: 77 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:	FULLERTON UNION PACIFIC PARK	REV:	08/04/10
ADDRESS:	TRUSLOW AND HARBOR BLVD	ID1:	CAL60000511
	FULLERTON CA 92832	ID2:	STATE RESPONSE
	ORANGE	STATUS:	ACTIVE
CONTACT:		PHONE:	
SOURCE:	CA DTSC		

GENERAL SITE INFORMATION

Site Type:	State Response
Status:	Active
Status Date:	2006-12-14
NPL Site:	NO
Funding:	Responsible Party
Regulatory Agencies Involved:	SMBRP
Lead Agency:	SMBRP
Project Manager:	RANIA ZABANEH
Supervisor:	Shelia Lowe
Branch:	Cypress
Acres:	1.3
Assessor s Parcel Number:	NONE SPECIFIED
Past Uses:	HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, RAILROAD RIGHT OF WAY
Potential Contaminants:	Polynuclear aromatic hydrocarbons (PAHs)
Confirmed Contaminants:	Polynuclear aromatic hydrocarbons (PAHs)
Potential Media Affected:	SOIL
Restricted Use:	NO
Site Management Required:	NONE SPECIFIED
Special Programs Associated with this Site:	

OTHER SITE NAMES (blank below = not reported by agency)

110033615620

401331

60000511

INFORMATION ON SCHEDULED ACTIVITIES FOR THIS SITE (blank below = not reported by agency)

Area Name:	PROJECT WIDE
Sub-Area Name:	
Document Type:	Fact Sheets
Completion Due Date:	2011-05-06 00:00:00
Revised Completion Due Date:	

Area Name:	PROJECT WIDE
Sub-Area Name:	
Document Type:	CEQA - Initial Study/ Neg. Declaration
Completion Due Date:	2011-06-05 00:00:00
Revised Completion Due Date:	

FUTURE ACTIVITIES (blank below = not reported by agency)

Area Name:	PROJECT WIDE
Sub-Area Name:	
Document Type:	Removal Action Completion Report
Completion Due Date:	2012

Area Name:	PROJECT WIDE
Sub-Area Name:	

Orange County Transportation Authority

EXHIBIT K Page 314 of 377
- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

STATE

SEARCH ID: 77 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME: FULLERTON UNION PACIFIC PARK **REV:** 08/04/10
ADDRESS: TRUSLOW AND HARBOR BLVD **ID1:** CAL60000511
FULLERTON CA 92832 **ID2:** STATE RESPONSE
ORANGE **STATUS:** ACTIVE
CONTACT: **PHONE:**
SOURCE: CA DTSC

Document Type: Removal Action Workplan
Completion Due Date: 2011

Area Name: PROJECT WIDE
Sub-Area Name:
Document Type: Certification
Completion Due Date: 2013

COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completion Date: 2007-10-02 00:00:00
Comments: An Amended Remedial Action Order was completed and sent by certified mail to all responsible parties.

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Inspection Warrant
Completion Date: 2008-01-25 00:00:00
Comments:

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completion Date: 2007-06-05 00:00:00
Comments: Remedial Action Order issued to responsible parties

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Removal Action Workplan
Completion Date: 2004-09-10 00:00:00
Comments: DTSC issued an approval letter for the Removal Action Workplan.

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Remedial Investigation Workplan
Completion Date: 2008-01-25 00:00:00
Comments: The RI Workplan dated 1/18/08 has been approved by DTSC on 1/23/08 and fieldwork will commence on 1/28/08.

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Feasibility Study Report
Completion Date: 2010-05-24 00:00:00
Comments:

Area Name: PROJECT WIDE
Sub- Area Name:
Document Type: Remedial Investigation Report
Completion Date: 2008-09-22 00:00:00
Comments: RI Report submitted by ENSR on behalf of SoCalGas and Union Pacific Railroad and dated

Orange County Transportation Authority

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- Continued on next page -

***Environmental FirstSearch
Site Detail Report*****Target Property:** RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

STATE

SEARCH ID: 77 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:****NAME:** FULLERTON UNION PACIFIC PARK
ADDRESS: TRUSLOW AND HARBOR BLVD
FULLERTON CA 92832
ORANGE
CONTACT:
SOURCE: CA DTSC**REV:** 08/04/10
ID1: CAL60000511
ID2: STATE RESPONSE
STATUS: ACTIVE
PHONE:*August 2008, has been approved by DTSC. See uploaded approval letter.***Area Name:** *PROJECT WIDE*
Sub- Area Name:
Document Type: *Human Health Risk Assessment Report*
Completion Date: *2009-10-19 00:00:00*
Comments: *BHERA approved by DTSC.*

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

UST

SEARCH ID: 79 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME: WESTERN MARKETING COMPANY
ADDRESS: 210 WALNUT
FULLERTON CA 92632
ORANGE
CONTACT:
SOURCE:

REV: 01/01/94
ID1: TISID-STATE7240
ID2:
STATUS: INACTIVE
PHONE:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by us. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

TRIBALLAND

SEARCH ID: 80 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME: BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION
ADDRESS: UNKNOWN
CA 92831
ORANGE
CONTACT:
SOURCE: BIA

REV: 01/15/08
ID1: BIA-92831
ID2:
STATUS:
PHONE:

BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION

OFFICE: Pacific Regional Office
CONTACT: CLAY GREGORY, REGIONAL DIRECTOR

ADDRESS: 2800 Cottage Way
Sacramento CA 95825

PHONE: Phone: 916-978-6000
FAX: Fax: 916-978-6099

The Native American Consultation Database (NACD) is a tool for identifying consultation contacts for Indian tribes, Alaska Native villages and corporations, and Native Hawaiian organizations. The database is not a comprehensive source of information, but it does provide a starting point for the consultation process by identifying tribal leaders and NAGPRA contacts. This database can be accessed online at the following web address
<http://home.nps.gov/nacd/>

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 76 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:		REV:	12/31/05
ADDRESS:	700 S RAYMOND	ID1:	NRC-762018
	FULLERTON CA 92832	ID2:	
	ORANGE	STATUS:	FIXED
CONTACT:	UNKNOWN	PHONE:	
SOURCE:	NRC		

SITE INFORMATION

THIS INFORMATION WAS OBTAINED FROM THE NATIONAL RESPONSE CENTER

DATE RECEIVED:	6/14/2005 7:42:14 AM	DATE COMPLETE:	
6/14/2005 7:46:06 AM			
CALL TAKER:	MAJ4739	CALL TYPE:	INC
RESPONSIBLE PARTY:	UNKNOWN		
PHONE 1:			
PHONE 2:			
PHONE 3:			
RESPONSIBLE COMPANY:	FROVSUN		
ORGANIZATION TYPE:	PRIVATE ENTERPRISE		
ADDRESS:	700 SOUTH RAYMOND		
	FULLERTON CA 92832		
SOURCE:	TELEPHONE		

INCIDENT INFORMATION

INCIDENT DESCRIPTION: THE CALLER STATED THAT AN AMMONIA SYSTEM HAS LEAKED MATERIAL.

INCIDENT TYPE:	FIXED	INCIDENT CAUSE:	UNKNOWN
INCIDENT DATE:	6/14/2005 4:35:00 AM	INCIDENT DATE DESC:	
OCCURRED			
DISTANCE FROM CITY:		DISTANCE UNITS:	
DIRECTION FROM CITY:		LOCATION SECTION:	
LOCATION TOWNSHIP:		LOCATION RANGE:	
AIRCRAFT TYPE:		AIRCRAFT MODEL:	
AIRCRAFT ID:		AIRCRAFT FUEL CAPACITY:	
AIRCRAFT FUEL CAPACITY UNITS:		AIRCRAFT FUEL ON BOARD:	
AIRCRAFT FUEL ON BOARD UNITS:		AIRCRAFT SPOT NUMBER:	
AIRCRAFT HANGER:		AIRCRAFT RUNWAY NUM:	
ROAD MILE MARKER:		BUILDING ID:	
TYPE OF FIXED OBJECT:	OTHER	POWER GEN FACILITY:	NO
GENERATING CAPACITY:		TYPE OF FUEL:	
NPDES:		NPDES COMPLIANCE:	UNKNOWN
PIPELINE TYPE:		DOT REGULATED:	UNKNOWN
PIPELINE ABOVE GROUND:	ABOVE	EXPOSED UNDERWATER:	NO
PIPELINE COVERED:	UNKNOWN	GRADE CROSSING:	NO
LOCATION SUBDIVISION:		RAILROAD MILEPOST:	
TYPE VEHICLE INVOLVED:		CROSSING DEVICE TYPE:	
DEVICE OPERATIONAL:	YES		

DOT CROSSING NUMBER:		BRAKE FAILURE:	NO
TANK ABOVE GROUND:	ABOVE	TRANSPORTABLE CONTAINER:	UNKNOWN

Environmental FirstSearch *Site Detail Report*

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

ERNS

SEARCH ID: 76 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:		REV:	12/31/05
ADDRESS:	700 S RAYMOND	ID1:	NRC-762018
	FULLERTON CA 92832	ID2:	
	ORANGE	STATUS:	FIXED
CONTACT:	UNKNOWN	PHONE:	
SOURCE:	NRC		

TANK REGULATED:	UNKNOWN	TANK REGULATED BY:	
TANK ID:		CAPACITY OF TANK:	
CAPACITY OF TANK UNITS:		ACTUAL AMOUNT:	
ACTUAL AMOUNT UNITS:		PLATFORM RIG NAME:	
PLATFORM LETTER:		LOCATION AREA ID:	
LOCATION BLOCK ID:			

DESCRIPTION OF TANK:

OCSG NUMBER:		OCSF NUMBER:	
STATE LEASE NUMBER:		PIER DOCK NUMBER:	
BERTH SLIP NUMBER:		CONTIN RELEASE TYPE:	
INITIAL CONT RELEASE NUM:		CONT RELEASE PERMIT:	
ALLISION:	NO	TYPE OF STRUCTURE:	
STRUCTURE NAME:		STRUCT OPERATIONAL:	UNKNOWN
AIRBAG DEPLOYED:		DATE NORMAL SERVICE:	
SERVICE DISRUPT TIME:		SERVICE DISRUPT UNITS:	
TRANSIT BUS FLAG:		CR BEGIN DATE:	
CR END DATE:		CR CHANGE DATE:	

FIRE INVOLVED:	NO	FIRE EXTINGUISHED:	UNKNOWN
ANY EVACUATIONS:	NO	NUMBER EVACUATED:	
WHO EVACUATED:		RADIUS OF EVACUATION:	
ANY INJURIES:	NO	NUMBER INJURED:	
NUMBER HOSPITALIZED:		ANY FATALITIES:	NO
NUMBER FATALITIES:		ANY DAMAGES:	NO
DAMAGE AMOUNT:		AIR CORRIDOR CLOSED:	NO
AIR CORRIDOR DESC:		AIR CLOSURE TIME:	
WATERWAY CLOSED:	NO	WATERWAY DESC:	
WATERWAY CLOSURE TIME:		ROAD CLOSED:	NO
ROAD DESC:		ROAD CLOSURE TIME:	
CLOSURE DIRECTION:		MAJOR ARTERY:	NO

TRACK CLOSED:	NO	TRACK DESC:	
TRACK CLOSURE TIME:		MEDIA INTEREST:	NONE
MEDIUM DESC:	AIR	ADDTL MEDIUM INFO:	AIR
BODY OF WATER:		TRIBUTARY OF:	
NEAREST RIVER MILE MARK:		RELEASE SECURED:	UNKNOWN
EST DUR OF RELEASE:		RELEASE RATE:	
TRACK CLOSE DIR:		ST AGENCY ON SCENE:	
ST AGENCY RPT NUM:		OTHER AGENCY NOTIFIED:	
WEATHER CONDITIONS:	CLEAR	AIR TEMPERATURE:	50
WIND SPEED:		WIND DIRECTION:	
WATER SUPPLY CONTAM:	UNKNOWN	SHEEN SIZE:	
SHEEN COLOR:		DIR OF SHEEN TRAVEL:	
SHEEN ODOR DESCRIPTION:		WAVE CONDITION:	
CURRENT SPEED:		CURRENT DIRECTION:	
WATER TEMPERATURE:			

DESC OF REMEDIAL ACTION: FIRE DEPT WAS NOTIFIED / EMERGENCY TEAM ON THE SCENE

EMPL FATALITY:		PASS FATALITY:	
COMMUNITY IMPACT:	NO	WIND SPEED UNITS:	

Orange County Transportation Authority

EXHIBIT K Page 319 of 377
- Continued on next page -

***Environmental FirstSearch
Site Detail Report*****Target Property:** RAYMOND AVE
FULLERTON CA 92831**JOB:** 208109001

ERNS

SEARCH ID: 76 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

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ADDRESS:	700 S RAYMOND	ID1:	NRC-762018
	FULLERTON CA 92832	ID2:	
	ORANGE	STATUS:	FIXED
CONTACT:	UNKNOWN	PHONE:	
SOURCE:	NRC		

EMPLOYEE INJURIES:		PASSENGER INJURIES:	
OCCUPANT FATALITY:		CURRENT SPEED UNITS:	
ROAD CLOSURE UNITS:		TRACK CLOSURE UNITS:	
SHEEN SIZE UNITS:		STATE AGENCY NOTIFIED:	
FED AGENCY NOTIFIED:		NEAREST RIVER MILE MARK:	
SHEEN SIZE LENGTH:		SHEEN SIZE LENGTH UNITS:	
SHEEN SIZE WIDTH:		SHEEN SIZE WIDTH UNITS:	
OFFSHORE:	N	DURATION UNIT:	
RELEASE RATE UNIT:		RELEASE RATE RATE:	

ADDITIONAL INFO: THE CALLER HAD NO ADDITIONAL INFORMATION**MATERIAL INFORMATION**

CHRIS CODE:	AMA	CASE NUMBER:	007664-41-7
UN NUMBER:		REACHED WATER:	NO

NAME OF MATERIAL:	AMMONIA, ANHYDROUS
AMOUNT OF MATERIAL:	0 UNKNOWN AMOUNT
AMOUNT IN WATER:	

OTHER MATERIAL INFORMATION**MOBILE DETAILS INFORMATION****TRAIN INFORMATION****VESSEL INFORMATION**

***Environmental FirstSearch
Site Detail Report***

Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

UST

SEARCH ID: 78	DIST/DIR: NON GC	ELEVATION:	MAP ID:
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NAME: SOUTHLAND BEVERAGE DIST INC
ADDRESS: 1425 ACACIA
FULLERTON CA 92631
Orange

REV: 01/01/94
ID1: TISID-STATE34479
ID2:
STATUS: ACTIVE
PHONE:

CONTACT:
SOURCE:

UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

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Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by us. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

Environmental FirstSearch Descriptions

NPL: EPA NATIONAL PRIORITY LIST - The National Priorities List is a list of the worst hazardous waste sites that have been identified by Superfund. Sites are only put on the list after they have been scored using the Hazard Ranking System (HRS), and have been subjected to public comment. Any site on the NPL is eligible for cleanup using Superfund Trust money.

A Superfund site is any land in the United States that has been contaminated by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

FINAL - Currently on the Final NPL

PROPOSED - Proposed for NPL

NPL DELISTED: EPA NATIONAL PRIORITY LIST Subset - Database of delisted NPL sites. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

DELISTED - Deleted from the Final NPL

CERCLIS: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)- CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.

PART OF NPL- Site is part of NPL site

DELETED - Deleted from the Final NPL

FINAL - Currently on the Final NPL

NOT PROPOSED - Not on the NPL

NOT VALID - Not Valid Site or Incident

PROPOSED - Proposed for NPL

REMOVED - Removed from Proposed NPL

SCAN PLAN - Pre-proposal Site

WITHDRAWN - Withdrawn

NFRAP: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

NFRAP – No Further Remedial Action Plan

P - Site is part of NPL site

D - Deleted from the Final NPL

F - Currently on the Final NPL

N - Not on the NPL

O - Not Valid Site or Incident

P - Proposed for NPL

R - Removed from Proposed NPL

S - Pre-proposal Site

W – Withdrawn

RCRA COR ACT: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

RCRAInfo facilities that have reported violations and subject to corrective actions

RCRA TSD: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that treat, store, dispose, or incinerate hazardous waste.

RCRA GEN: EPA/MA DEP/CT DEP RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM GENERATORS - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that generate or transport hazardous waste or meet other RCRA requirements.

LGN - Large Quantity Generators

SGN - Small Quantity Generators

VGN – Conditionally Exempt Generator.

Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

CONNECTICUT HAZARDOUS WASTE MANIFEST – Database of all shipments of hazardous waste within, into or from Connecticut. The data includes date of shipment, transporter and TSD info, and material shipped and quantity. This data is appended to the details of existing generator records.

MASSACHUSETTES HAZARDOUS WASTE GENERATOR – database of generators that are regulated under the MA DEP.

VQN-MA = generates less than 220 pounds or 27 gallons per month of hazardous waste or waste oil.

SQN-MA = generates 220 to 2,200 pounds or 27 to 270 gallons per month of waste oil.

LQG-MA = generates greater than 2,200 lbs of hazardous waste or waste oil per month.

RCRA NLR: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities not currently classified by the EPA but are still included in the RCRAInfo database. Reasons for non classification:

Failure to report in a timely matter.

No longer in business.

No longer in business at the listed address.

No longer generating hazardous waste materials in quantities which require reporting.

ERNS: EPA/NRC EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) - Database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

Tribal Lands: DOI/BIA INDIAN LANDS OF THE UNITED STATES - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United

Federally-administered lands within a reservation which may or may not be considered part of the reservation.
BUREAU OF INDIAN AFFAIRS CONTACT - Regional contact information for the Bureau of Indian Affairs offices.

State/Tribal Sites: *CA EPA* SMBRPD / CAL SITES- The California Department of Toxic Substances Control (DTSC) has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems. The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), also known as CalSites, is used primarily by DTSC's staff as an informational tool to evaluate and track activities at properties that may have been affected by the release of hazardous substances.

The SMBRPD displays information in six categories. The categories are:

1. CalSites Properties (CS)
2. School Property Evaluation Program Properties (SCH)
3. Voluntary Cleanup Program Properties (VCP)
4. Unconfirmed Properties Needing Further Evaluation (RFE)
- Please Note: FirstSearch Reports list the above sites as DB Type (STATE).
5. Unconfirmed Properties Referred to Another Local or State Agency (REF)
6. Properties where a No Further Action Determination has been made (NFA)
- Please Note: FirstSearch Reports list the above sites as DB Type (OTHER).

Each Category contains information on properties based upon the type of work taking place at the site. For example, the CalSites database is now one of the six categories within SMPBRD and contains only confirmed sites considered as posing the greatest threat to the public and/or the potential public school sites will be found within the School Property Evaluation Program, and those properties undergoing voluntary investigation and/or cleanup are in the Voluntary Cleanup Program.

CORTESE LIST-Pursuant to Government Code Section 65962.5, the Hazardous Waste and Substances Sites List has been compiled by Cal/EPA, Hazardous Materials Data Management Program. The CAL EPA Dept. of Toxic Substances Control compiles information from subsets of the following databases to make up the CORTESE list:

1. The Dept. of Toxic Substances Control; contaminated or potentially contaminated hazardous waste sites listed in the CAL Sites database. Formerly known as ASPIS are included (CALSITES formerly known as ASPIS).
2. The California State Water Resources Control Board; listing of Leaking Underground Storage Tanks are included (LTANK)
3. The California Integrated Waste Management Board; Sanitary Landfills which have evidence of groundwater contamination or known migration of hazardous materials (formerly WB-LF, now AB 3750).

Note: Track Info Services collects each of the above data sets individually and lists them separately in the following First Search categories in order to provide more current and comprehensive information: CALSITES: SPL, LTANK: LUST, WB-LF: SWL

State Spills 90: *CA EPA* SLIC REGIONS 1 - 9- The California Regional Water Quality Control Boards maintain report of sites that have records of spills, leaks, investigation, and cleanups.

State/Tribal SWL: *CA IWMB/SWRCB/COUNTY* SWIS SOLID WASTE INFORMATION SYSTEM-The California Integrated Waste Management Board maintains a database on solid waste facilities, operations, and disposal sites throughout the state of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites. For more information on individual sites call the number listed in the source field..

Please Note: This database contains poor site location information for many sites in the First Search reports; therefore, it may not be possible to locate or plot some sites in First Search reports.

WMUDS-The State Water Resources Control Board maintained the Waste Management Unit Database System (WMUDS). It is no longer updated. It tracked management units for several regulatory programs related to waste management and its potential impact on groundwater. Two of these programs (SWAT & TPCA) are no longer on-going regulatory programs as described below. Chapter 15 (SC15) is still an on-going regulatory program and information is updated periodically but not to the WMUDS database. The WMUDS System contains information from the following agency databases: Facility, Waste Management Unit (WMU), Waste Discharger System (WDS), SWAT, Chapter 15, TPCA, RCRA, Inspections, Violations, and Enforcement's.

Note: This database contains poor site location information for many sites in the First Search reports; therefore, it may not be possible to locate or plot some sites in First Search reports.

ORANGE COUNTY LANDFILLS LIST- A list maintained by the Orange County Health Department.

database of sites with confirmed or unconfirmed leaking underground storage tanks. Information for this database is collected from the states regional boards quarterly and integrated with this database.

SAN DIEGO COUNTY LEAKING TANKS- The San Diego County Department of Environmental Health maintains a database of sites with confirmed or unconfirmed leaking underground storage tanks within its HE17/58 database. For more information on a specific file call the HazMat Duty Specialist at phone number listed in the source information field.

State/Tribal UST/AST: CA EPA/COUNTY/CITY ABOVEGROUND STORAGE TANKS LISTING-The Above Ground Petroleum Storage Act became State Law effective January 1, 1990. In general, the law requires owners or operators of AST's with petroleum products to file a storage statement and pay a fee by July 1, 1990 and every two years thereafter, take specific action to prevent spills, and in certain instances implement a groundwater monitoring program. This law does not apply to that portion of a tank facility associated with the production oil and regulated by the State Division of Oil and Gas of the Dept. of Conservation.

SWEEPS / FIDS STATE REGISTERED UNDEGROUND STORAGE TANKS- Until 1994 the State Water Resources Control Board maintained a database of registered underground storage tanks statewide referred to as the SWEEPS System. The SWEEPS UST information was integrated with the CAL EPA's Facility Index System database (FIDS) which is a master index of information from numerous California agency environmental databases. That was last updated in 1994. Track Info Services included the UST information from the FIDS database in its First Search reports for historical purposes to help its clients identify where tanks may possibly have existed. For more information on specific sites from individual paper files archived at the State Water Resources Control Board call the number listed with the source information.

INDIAN LANDS UNDERGROUND STORAGE TANKS LIST- A listing of underground storage tanks currently on Indian Lands under federal jurisdiction. California Indian Land USTS are administered by US EPA Region 9.

CUPA DATABASES & SOURCES- Definition of a CUPA: A Certified Unified Program Agency (CUPA) is a local agency that has been certified by the CAL EPA to implement six state environmental programs within the local agency's jurisdiction. These can be a county, city, or JPA (Joint Powers Authority). This program was established under the amendments to the California Health and Safety Code made by SB 1082 in 1994.

A Participating Agency (PA) is a local agency that has been designated by the local CUPA to administer one or more Unified Programs within their jurisdiction on behalf of the CUPA. A Designated Agency (DA) is an agency that has not been certified by the CUPA but is the responsible local agency that would implement the six unified programs until they are certified.

Please Note: Track Info Services, LLC collects and maintains information regarding Underground Storage Tanks from majority of the CUPAS and Participating Agencies in the State of California. These agencies typically do not maintain nor release such information on a uniform or consistent schedule; therefor, currency of the data may vary. Please look at the details on a specific site with a UST record in the First Search Report to determine the actual currency date of the record as provided by the relevant agency. Numerous efforts are made on a regular basis to obtain updated records.

State/Tribal IC: CA EPA DEED-RESTRICTED SITES LISTING- The California EPA's Department of Toxic Substances Control Board maintains a list of deed-restricted sites, properties where the DTSC has placed limits or requirements on the future use of the property due to varying levels of cleanup possible, practical or necessary at the site.

State/Tribal VCP: CA EPA SMBRPD / CAL SITES- The California Department of Toxic Substances Control (DTSC) has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems. The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), also known as CalSites, is used primarily by DTSC's staff as an informational tool to evaluate and track activities at properties that may have been affected by the release of hazardous substances. The Voluntary Cleanup Program (VCP) category contains only those properties undergoing voluntary investigation and/or cleanup and which are listed in the Voluntary Cleanup Program.

Please Note: FirstSearch Reports list the above sites as DB Type VC.

RADON: NTIS NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

State Permits: CA EPA/COUNTY SAN DIEGO COUNTY HE17 PERMITS- The HE17/58 database tracks establishments issued permits and the status of their permits in relation to compliance with federal, state, and local laws. The database also tracks if a site is a hazardous waste generator.

underground tanks, violations, or unauthorized releases. For more information on a specific file call the HazMat Duty Specialist at the phone number listed in the source information field.

SAN BERNARDINO COUNTY HAZARDOUS MATERIALS PERMITS- Handlers and Generators Permit Information Maintained by the Hazardous Materials Division.

DEPARTMENT OF TOXIC SUBSTANCES CONTROL HAZARDOUS WASTE MANIFEST INVENTORY-Records maintained by the CA DTSC of Hazardous Waste Manifests used to track and document the transport of hazardous waste from a generator's site to the site of its final disposition.

State Other: *US DOJ* NATIONAL CLANDESTINE LABORATORY REGISTER - Database of addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the U.S. Department of Justice ("the Department"), and the Department has not verified the entry and does not guarantee its accuracy. All sites that are included in this data set will have an id that starts with NCLR.

State Other: *CA EPA/COUNTY* SMBRPD / CAL SITES- The California Department of Toxic Substances Control (DTSC) has developed an electronic database system with information about sites that are known to be contaminated with hazardous substances as well as information on uncharacterized properties where further studies may reveal problems. The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), also known as CalSites, is used primarily by DTSC's staff as an informational tool to evaluate and track activities at properties that may have been affected by the release of hazardous substances.

The SMBRPD displays information in six categories. The categories are:

1. CalSites Properties (CS)
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3. Voluntary Cleanup Program Properties (VCP)
4. Unconfirmed Properties Needing Further Evaluation (RFE)

Please Note: FirstSearch Reports list the above sites as DB Type (STATE).

5. Unconfirmed Properties Referred to Another Local or State Agency (REF)
6. Properties where a No Further Action Determination has been made (NFA)

Please Note: FirstSearch Reports list the above sites as DB Type (OTHER).

Each Category contains information on properties based upon the type of work taking place at the site. For example, the CalSites database is now one of the six categories within SMPBRD and contains only confirmed sites considered as posing the greatest threat to the public and/or the potential public school sites will be found within the School Property Evaluation Program, and those properties undergoing voluntary investigation and/or cleanup are in the Voluntary Cleanup Program. LA COUNTY SITE MITIGATION COMPLAINT CONTROL LOG- The County of Los Angeles Public Health Investigation Compliant Control Log.

ORANGE COUNTY INDUSTRIAL SITE CLEANUPS- List maintained by the Orange County Environmental Health Agency.

RIVERSIDE COUNTY WASTE GENERATORS-A list of facilities in Riverside County which generate hazardous waste.

SACRAMENTO COUNTY MASTER HAZMAT LIST-Master list of facilities within Sacramento County with potentially hazardous materials.

SACRAMENTO COUNTY TOXIC SITE CLEANUPS-A list of sites where unauthorized releases of potentially hazardous materials have occurred.

Environmental FirstSearch Database Sources

NPL: *EPA* Environmental Protection Agency

Updated quarterly

NPL DELISTED: *EPA* Environmental Protection Agency

Updated quarterly

CERCLIS: *EPA* Environmental Protection Agency

Updated quarterly

NFRAP: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA COR ACT: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA TSD: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA GEN: *EPA/MA DEP/CT DEP* Environmental Protection Agency, Massachusetts Department of Environmental Protection, Connecticut Department of Environmental Protection

Updated quarterly

RCRA NLR: *EPA* Environmental Protection Agency

Updated quarterly

ERNS: *EPA/NRC* Environmental Protection Agency

Updated annually

Tribal Lands: *DOI/BIA* United States Department of the Interior

Updated annually

State/Tribal Sites: *CA EPA* The CAL EPA, Depart. Of Toxic Substances Control
Phone: (916) 323-3400

*Updated quarterly/when available***State Spills 90: CA EPA** The California State Water Resources Control Board*Updated when available***State/Tribal SWL: CA IWMB/SWRCB/COUNTY** The California Integrated Waste Management Board

Phone:(916) 255-2331

The State Water Resources Control Board

Phone:(916) 227-4365

Orange County Health Department

*Updated quarterly/when available***State/Tribal LUST: CA SWRCB/COUNTY** The California State Water Resources Control Board

Phone:(916) 227-4416

San Diego County Department of Environmental Health

*Updated quarterly/when available***State/Tribal UST/AST: CA EPA/COUNTY/CITY** The State Water Resources Control Board

Phone:(916) 227-4364

CAL EPA Department of Toxic Substances Control

Phone:(916)227-4404

US EPA Region 9 Underground Storage Tank Program

Phone: (415) 972-3372

ALAMEDA COUNTY CUPA:

* County of Alameda Department of Environmental Health

* Cities of Berkeley, Fremont, Hayward, Livermore / Pleasanton, Newark, Oakland, San Leandro, Union

ALPINE COUNTY CUPA:

* Health Department (Only updated by agency sporadically)

AMADOR COUNTY CUPA:

* County of Amador Environmental Health Department

BUTTE COUNTY CUPA

* County of Butte Environmental Health Division (Only updated by agency biannually)

CALAVERAS COUNTY CUPA:

* County of Calaveras Environmental Health Department

COLUSA COUNTY CUPA:

* Environmental Health Dept.

CONTRA COSTA COUNTY CUPA:

* Hazardous Materials Program

DEL NORTE COUNTY CUPA:

* Department of Health and Social Services

EL DORADO COUNTY CUPAS:

* County of El Dorado Environmental Health - Solid Waste Div (Only updated by agency annually)

* County of El Dorado EMD Tahoe Division (Only updated by agency annually)

FRESNO COUNTY CUPA:

* Haz. Mat and Solid Waste Programs

GLENN COUNTY CUPA:

* Air Pollution Control District

HUMBOLDT COUNTY CUPA:

* Environmental Health Division

IMPERIAL COUNTY CUPA:

* Department of Planning and Building

INYO COUNTY CUPA:

KERN COUNTY CUPA:

- * County of Kern Environmental Health Department
- * City of Bakersfield Fire Department

KINGS COUNTY CUPA:

- * Environmental Health Services

LAKE COUNTY CUPA:

- * Division of Environmental Health

LASSEN COUNTY CUPA:

- * Department of Agriculture

LOS ANGELES COUNTY CUPAS:

- * County of Los Angeles Fire Department CUPA Data as maintained by the Los Angeles County Department of Public Works
- * County of Los Angeles Environmental Programs Division
- * Cities of Burbank, El Segundo, Glendale, Long Beach/Signal Hill, Los Angeles, Pasadena, Santa Fe Springs, Santa Monica, Torrance, Vernon

MADERA COUNTY CUPA:

- * Environmental Health Department

MARIN COUNTY CUPA:

- * County of Marin Office of Waste Management
- * City of San Rafael Fire Department

MARIPOSA COUNTY CUPA:

- * Health Department

MENDOCINO COUNTY CUPA:

- * Environmental Health Department

MERCED COUNTY CUPA:

- * Division of Environmental Health

MODOC COUNTY CUPA:

- * Department of Agriculture

MONO COUNTY CUPA:

- * Health Department

MONTEREY COUNTY CUPA:

- * Environmental Health Division

NAPA COUNTY CUPA:

- * Hazardous Materials Section

NEVADA COUNTY CUPA:

- * Environmental Health Department

ORANGE COUNTY CUPAS:

- * County of Orange Environmental Health Department
- * Cities of Anaheim, Fullerton, Orange, Santa Ana
- * County of Orange Environmental Health Department

PLACER COUNTY CUPAS:

- * County of Placer Division of Environmental Health Field Office
- * Tahoe City
- * City of Roseville Roseville Fire Department

PLUMAS COUNTY CUPA:

- * Environmental Health Department

RIVERSIDE COUNTY CUPA:

- * Environmental Health Department

SACRAMENTO COUNTY CUPA:

- * County Environmental Mgmt Dept, Haz. Mat. Div.

SAN BENITO COUNTY CUPA:

- * City of Hollister Environmental Service Department

SAN BERNARDINO COUNTY CUPAS:

- * County of San Bernardino Fire Department, Haz. Mat. Div.
- * City of Hesperia Hesperia Fire Prevention Department
- * City of Victorville Victorville Fire Department

SAN DIEGO COUNTY CUPA:

- * The San Diego County Dept. of Environmental Health HE 17/58

SAN FRANCISCO COUNTY CUPA:

SAN JOAQUIN COUNTY CUPA:

- * Environmental Health Division

SAN LUIS OBISPO COUNTY CUPAS:

- * County of San Luis Obispo Environmental Health Division
- * City of San Luis Obispo City Fire Department

SAN MATEO COUNTY CUPA:

- * Environmental Health Department

SANTA BARBARA COUNTY CUPA:

- * County Fire Dept Protective Services Division

SANTA CLARA COUNTY CUPAS:

- * County of Santa Clara Hazardous Materials Compliance Division
- * Santa Clara County Central Fire Protection District (Covers Campbell, Cupertino, Los Gatos, & Morgan Hill)
- * Cities of Gilroy, Milpitas, Mountain View, Palo Alto, San Jose Fire, Santa Clara, Sunnyvale

SANTA CRUZ COUNTY CUPA:

- * Environmental Health Department

SHASTA COUNTY CUPA:

- * Environmental Health Department

SIERRA COUNTY CUPA:

- * Health Department

SISKIYOU COUNTY CUPA:

- * Environmental Health Department

SONOMA COUNTY CUPAS:

- * County of Sonoma Department Of Environmental Health
- * Cities of Healdsburg / Sebastopol, Petaluma, Santa Rosa

STANISLAUS COUNTY CUPA:

- * Department of Environmental Resources Haz. Mat. Division

SUTTER COUNTY CUPA:

- * Department of Agriculture

TEHAMA COUNTY CUPA:

- * Department of Environmental Health

TRINITY COUNTY CUPA:

- * Department of Health

TULARE COUNTY CUPA:

- * Environmental Health Department

TUOLUMNE COUNTY CUPA:

- * Environmental Health

VENTURA COUNTY CUPAS:

- * County of Ventura Environmental Health Division
- * Cities of Oxnard, Ventura

YOLO COUNTY CUPA:

- * Environmental Health Department

YUBA COUNTY CUPA:

Updated quarterly/annually/when available

State/Tribal IC: CA EPA The California EPA Department of Toxic Substances Control.

Updated Updated quarterly/annually/when available

State/Tribal VCP: CA EPA The California EPA Department of Toxic Substances Control.

Updated Updated quarterly/annually/when available

RADON: NTIS Environmental Protection Agency, National Technical Information Services

Updated periodically

State Permits: *CA EPA/COUNTY* The San Diego County Depart. Of Environmental Health
Phone:(619) 338-2211
San Bernardino County Fire Department
Phone:(909) 387-3080
CAL EPA, Department of Toxic Substances Control

Updated quarterly/when available

State Other: *US DOJ* U.S. Department of Justice

Updated when available

State Other: *CA EPA/COUNTY* The CAL EPA, Depart. Of Toxic Substances Control
Phone: (916) 323-3400
The Los Angeles County Hazardous Materials Division
Phone: (323) 890-7806
Orange County Environmental Health Agency
Phone: (714) 834-3536
Riverside County Department of Environmental Health, Hazardous Materials Management Division
Phone:(951) 358-5055
Sacramento County Environmental Management Department

Updated quarterly/when available

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

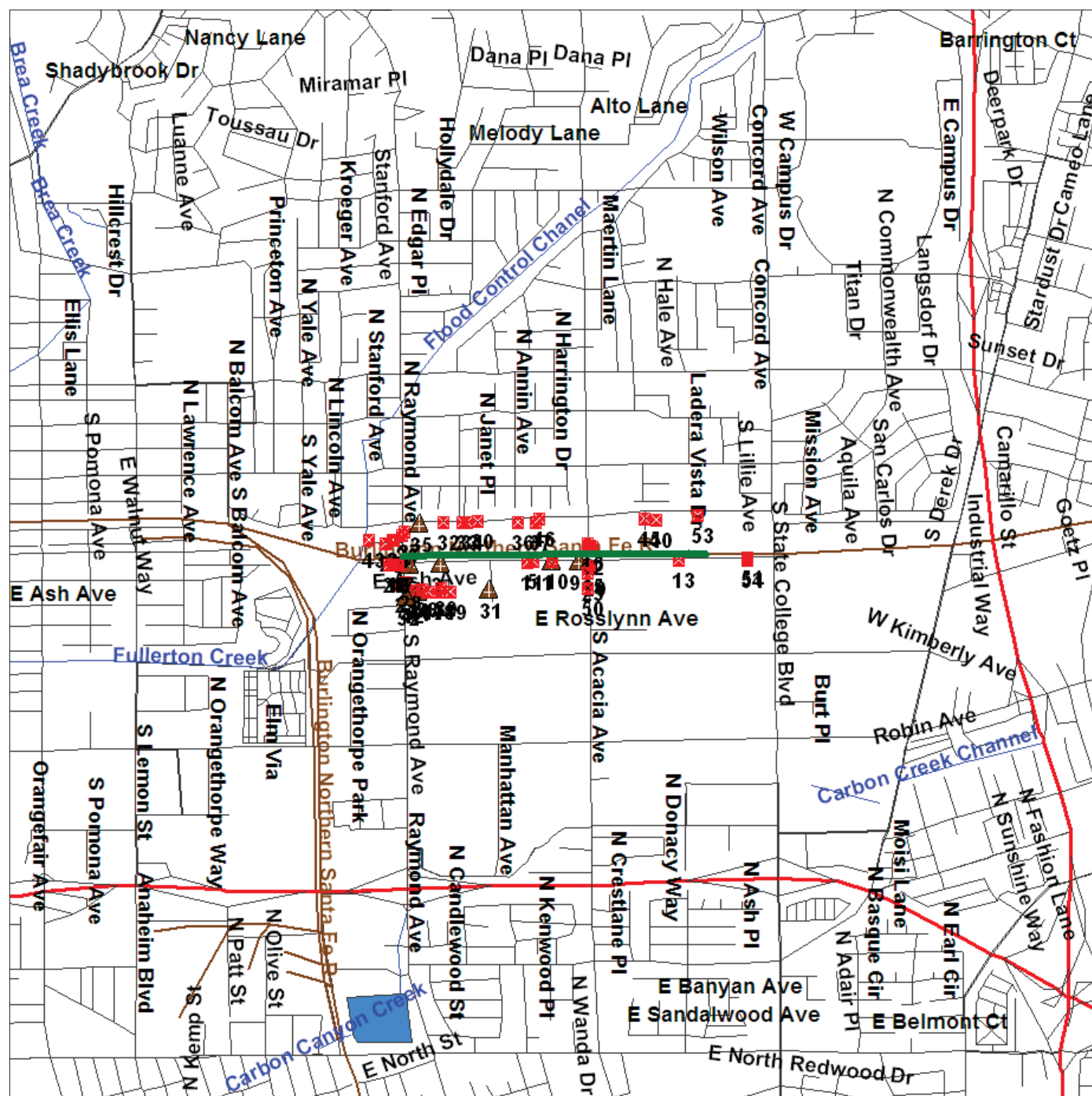
Target Property: RAYMOND AVE
FULLERTON CA 92831

JOB: 208109001

Street Name	Dist/Dir	Street Name	Dist/Dir
E Ash Ave	0.09 S-		
E Commonwealth Ave	0.24 NW		
E Elm Ave	0.21 SW		
E Rosslynn Ave	0.21 SE		
E Santa Fe Ave	0.14 N-		
E Sudene Ave	0.19 N-		
E Truslow Ave	0.06 NW		
E Valencia Dr	0.01 S-		
E Walnut Ave	0.09 N-		
Fender Ave	0.16 NE		
Hall Ave	0.04 S-		
Ladera Vista Dr	0.25 NW		
Linwood Pl	0.25 NW		
Marigold Ave	0.12 NW		
Mission Dr	0.24 NE		
N Acacia Ave	0.24 NW		
N Annin Ave	0.24 NW		
N Lillie Ave	0.25 NE		
N Montague Ave	0.25 N-		
N Raymond Ave	0.24 NW		
S Acacia Ave	0.00 --		
S Annin Ave	0.13 NW		
S Ashford Pl	0.13 NW		
S Cornell Ave	0.23 NW		
S Edgar Ave	0.13 NW		
S Hale Ave	0.07 N-		
S Harrington Dr	0.13 NW		
S Hart Pl	0.13 NW		
S Janet Pl	0.13 NW		
S Lillie Ave	0.17 NE		
S Montague Ave	0.11 N-		
S Moody Ave	0.20 NE		
S Mountain View Pl	0.14 N-		
S Norman Ave	0.13 NW		
S Raymond Ave	0.05 SW		
S State College Blvd	0.13 -E		
Sally Pl	0.01 SE		
Santa Clara Ave	0.20 NE		
Santa Ysabel Ave	0.25 NE		
Sudene Ave	0.19 N-		

1 Mile Radius from Line
Single Map:

RAYMOND AVE, FULLERTON CA 92831



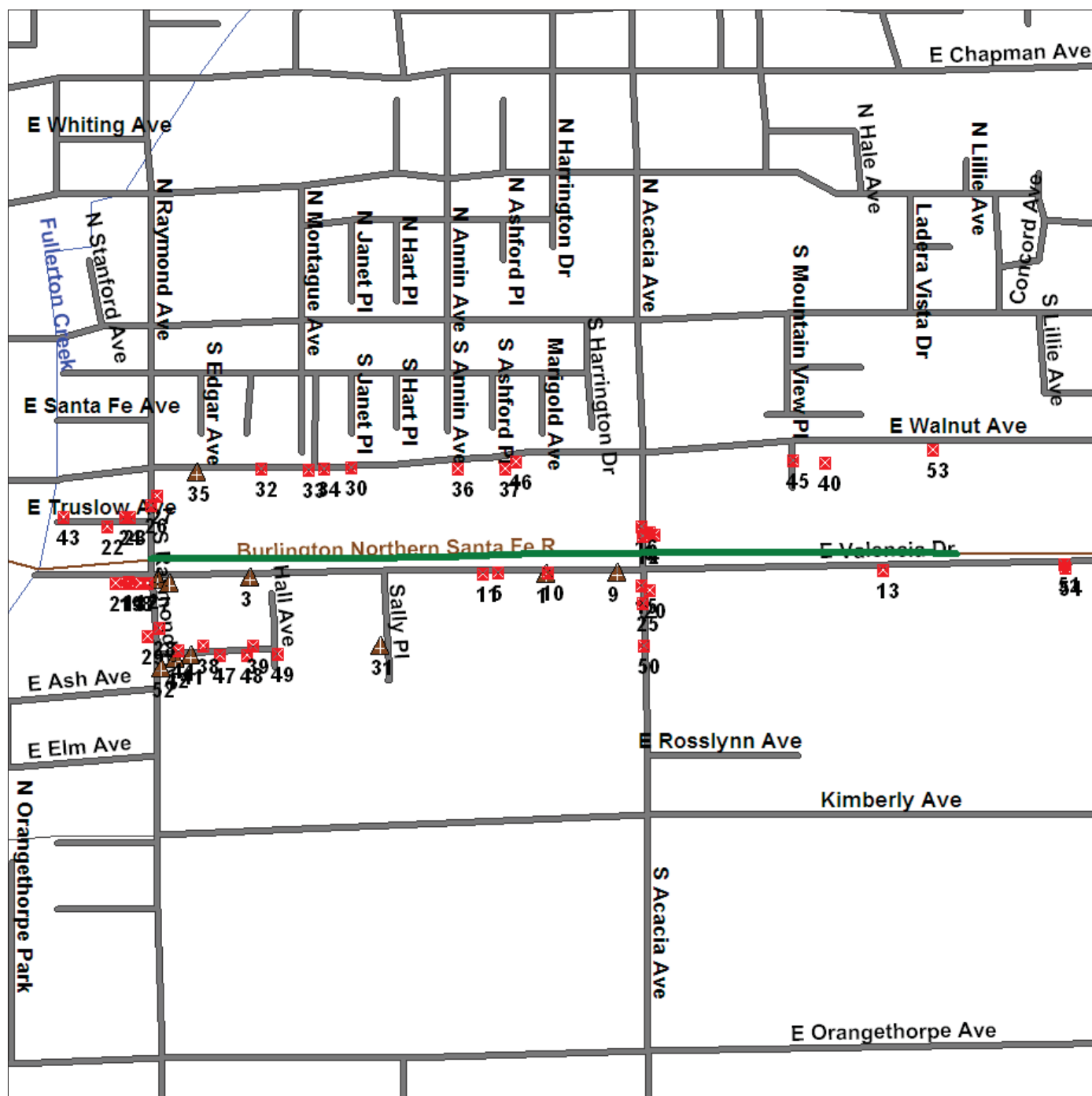
Source: U.S. Census TIGER Files

Linear Search Line
Identified Site, Multiple Sites, Receptor
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
Triballand.....
RailroadsOrange County Transportation Authority





RAYMOND AVE, FULLERTON CA 92831



Source: U.S. Census TIGER Files

Linear Search Line
Identified Site, Multiple Sites, Receptor
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
Triballand.....
RailroadsOrange County Transportation Authority

APPENDIX C

HISTORICAL AND REGULATORY DOCUMENTATION

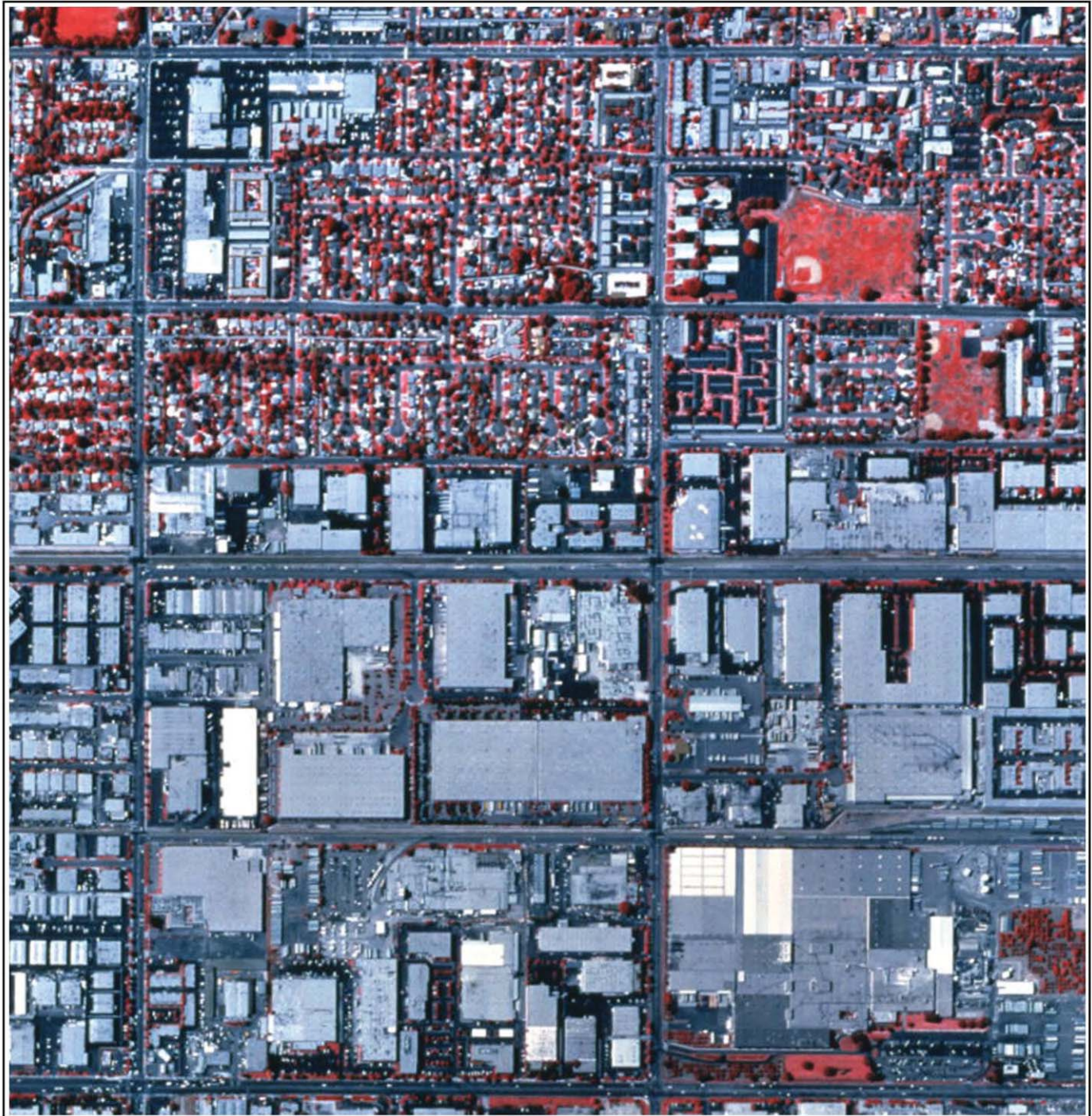


Environmental FirstSearch

Historical Aerial Photo

2002

Raymond Ave, Fullerton, CA 92831



Job Number: 208109001
Target Site: 33.867013, -117.899933

Approximate Scale: 1 in equals 750 ft

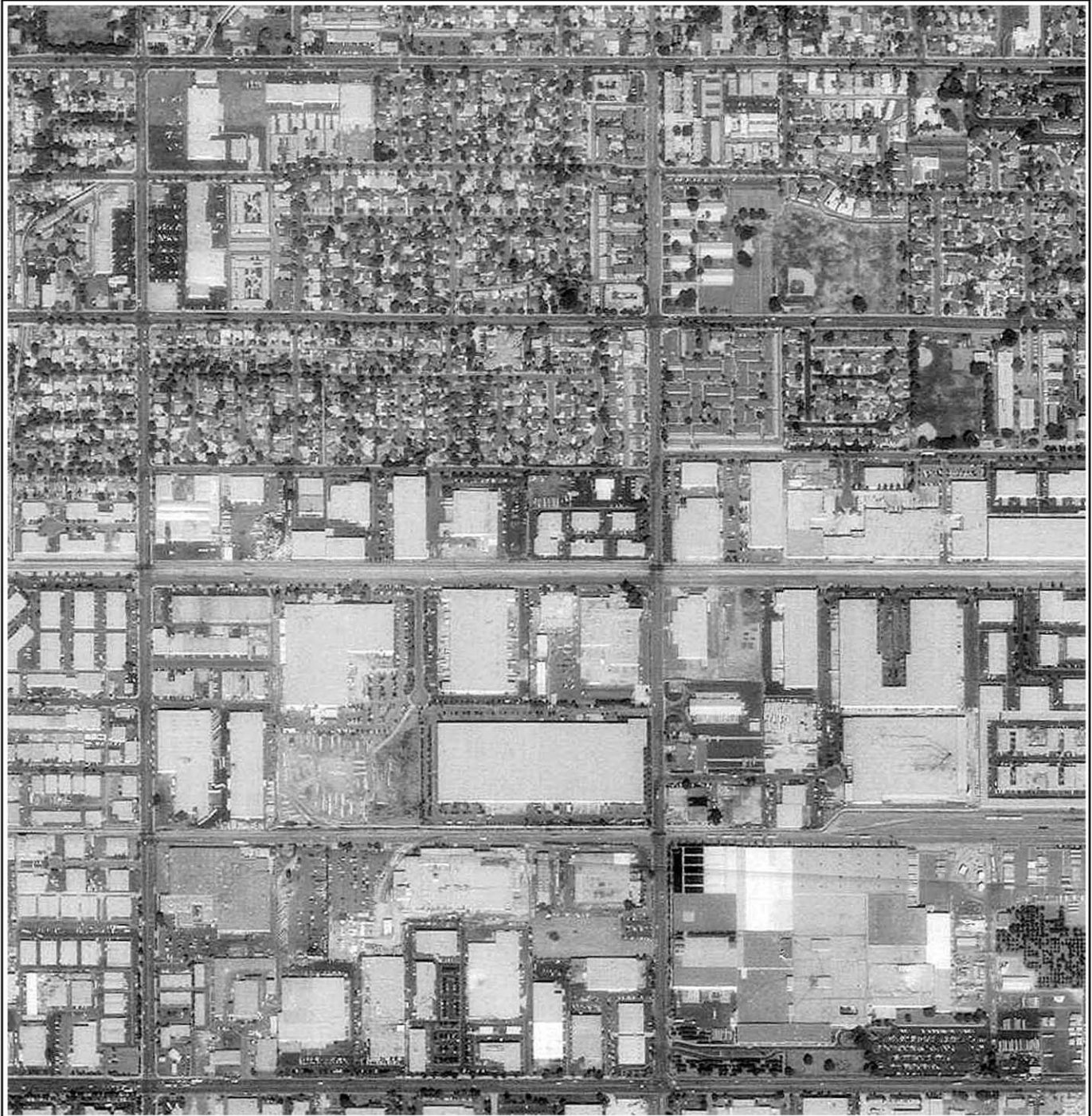


Environmental FirstSearch

Historical Aerial Photo

1995

Raymond Ave, Fullerton, CA 92831



Job Number: 208109001
Target Site: 33.867013, -117.899933

Approximate Scale: 1 in equals 750 ft



Environmental FirstSearch

Historical Aerial Photo

1983

Raymond Ave, Fullerton, CA 92831



Job Number: 208109001
Target Site: 33.867013, -117.899933

Approximate Scale: 1 in equals 750 ft

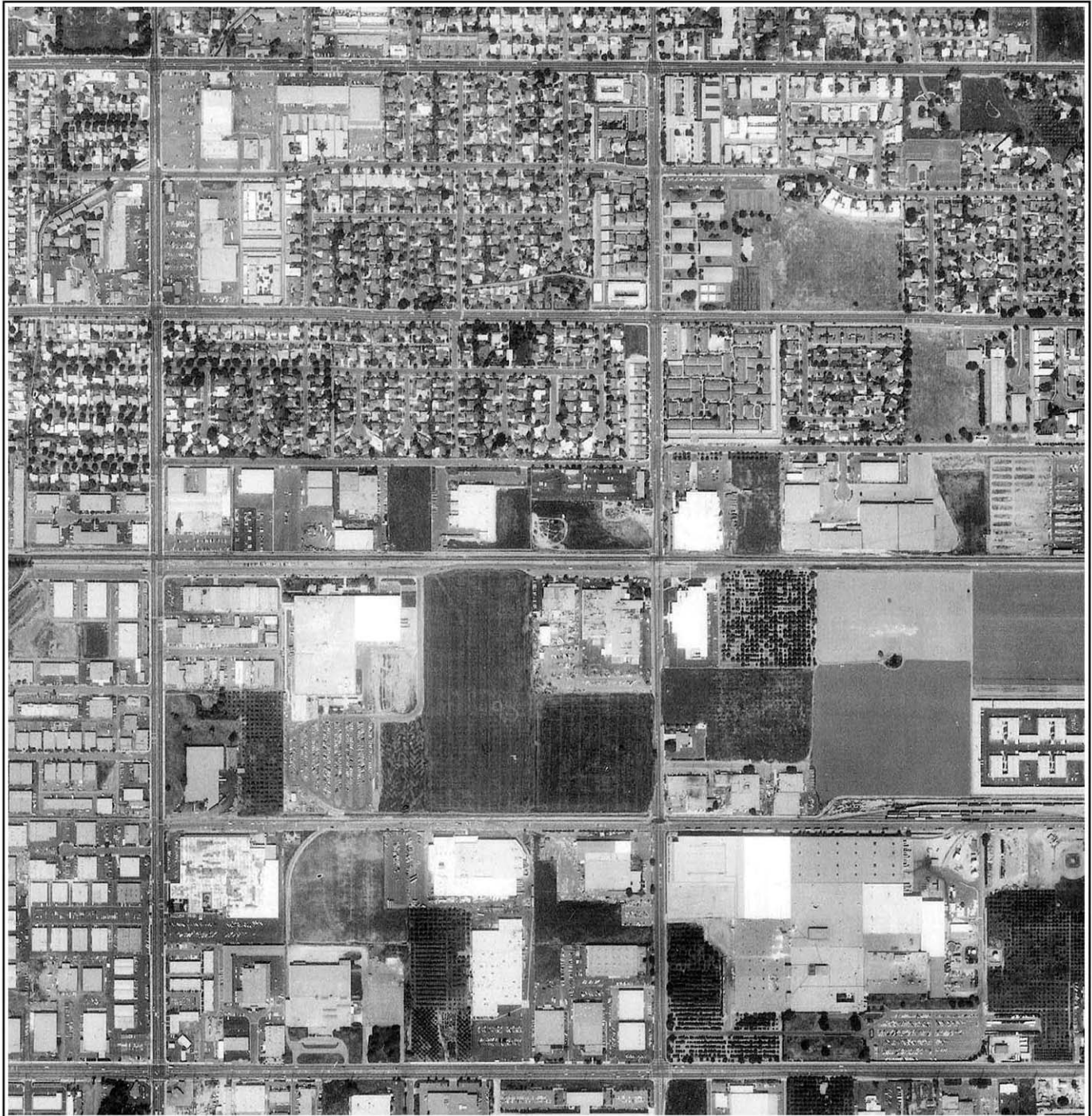


Environmental FirstSearch

Historical Aerial Photo

1976

Raymond Ave, Fullerton, CA 92831



Job Number: 208109001
Target Site: 33.867013, -117.899933

Approximate Scale: 1 in equals 750 ft



Environmental FirstSearch

Historical Aerial Photo

1968

Raymond Ave, Fullerton, CA 92831



Job Number: 208109001
Target Site: 33.867013, -117.899933

Approximate Scale: 1 in equals 750 ft



Environmental FirstSearch

Historical Aerial Photo

1953

Raymond Ave, Fullerton, CA 92831



Job Number: 208109001
Target Site: 33.867013, -117.899933

Approximate Scale: 1 in equals 750 ft

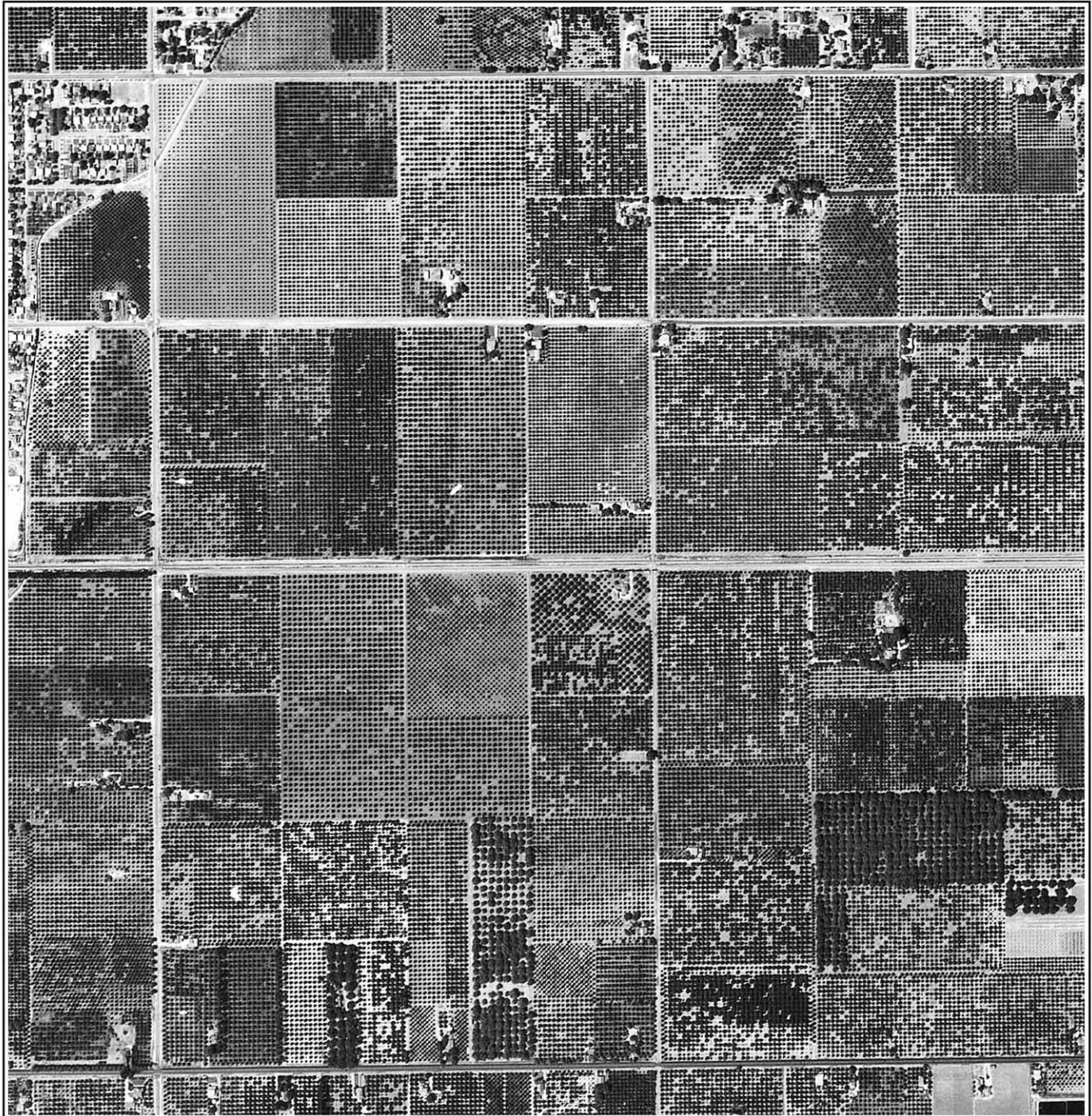


Environmental FirstSearch

Historical Aerial Photo

1947

Raymond Ave, Fullerton, CA 92831



Job Number: 208109001
Target Site: 33.867013, -117.899933

Approximate Scale: 1 in equals 750 ft



Environmental FirstSearch

Historical Aerial Photo

1938

Raymond Ave, Fullerton, CA 92831



Job Number: 208109001
Target Site: 33.867013, -117.899933

Approximate Scale: 1 in equals 750 ft



APPENDIX D

WORK PLAN FOR 350 SOUTH RAYMOND AVENUE



WORK PLAN FOR SOIL GAS, SOIL, AND GROUNDWATER INVESTIGATION

Former Chicago Musical Instruments

Fullerton, California

Prepared for:

California Department of Toxic Substances Control

5796 Corporate Avenue
Cypress, California 90630

Prepared by:

AMEC Geomatrix, Inc.

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August 12, 2010

Project No. 0130240080



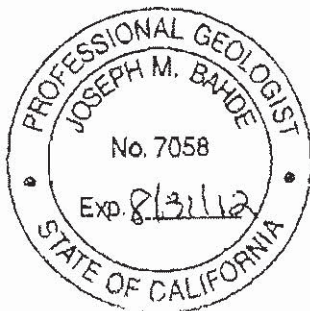
**WORK PLAN FOR
SOIL GAS, SOIL, AND GROUNDWATER
INVESTIGATION**

Former Chicago Musical Instruments
Fullerton, California

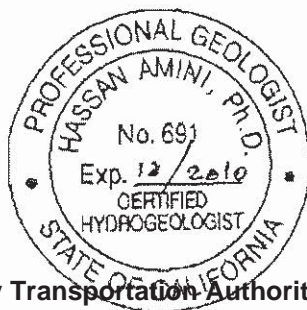
August 12, 2010
Project No. 0130240080

This work plan was prepared by the staff of AMEC Geomatrix, Inc., under the supervision of the Engineer(s) and/or Geologist(s) whose seal(s) and signature(s) appear hereon.

The findings, recommendations, specifications, or professional opinions are presented within the limits described by the client, in accordance with generally accepted professional engineering and geologic practice. No warranty is expressed or implied.



Joseph M. Bahde, PG
Senior Hydrogeologist



Hassan Amini, Ph.D., CHG
Principal Hydrogeologist



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APPENDIXES

Appendix A	Environmental Data Resources, Inc. Reports
Appendix B	Site-Specific Health and Safety/Contingency Plan
Appendix C	InterPhase Environmental, Inc., Standard Operating Procedures



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ACRONYMS

AMEC	AMEC Geomatrix, Inc.
ASTM	ASTM International
bgs	below ground surface
BNSF	Burlington Northern and Santa Fe Railway Company
Calscience	Calscience Environmental Laboratories
CCR	California Code of Regulations
CMI	Chicago Musical Instruments
COC	chain-of-custody
°C	degrees Celsius
1,1-DCE	1,1-dichloroethene
DTSC	Department of Toxic Substances Control
EDR	Environmental Data Resources, Inc.
FE	FE Olds and Son, Inc.
FFD	Fullerton Fire Department
HASCP	health and safety/contingency plan
IDW	investigation derived waste
InterPhase	InterPhase Environmental, Inc.
µg/L	micrograms per liter
mL	milliliter
Microbac	Microbac Laboratories, Inc.
NBGPP	North Basin Groundwater Protection Project
ND	non-detect
OCWD	Orange County Water District
OVM	organic vapor meter
±	plus or minus
PCE	tetrachloroethene
PID	photoionization detector
PPE	personal protective equipment
PVC	polyvinyl chloride
QA/QC	quality assurance/quality control
RPD	relative percent difference
RWQCB	Regional Water Quality Control Board
SAP	sampling and analysis plan
SVE	soil vapor extraction
SVM	soil vapor monitoring
TCE	trichloroethene
Twining	Moore Twining Associates, Inc.
UDP	United Duralume Products, Inc.
USA	Underground Services Alert
U.S. EPA	United States Environmental Protection Agency
USGS	United States Geological Survey
VOC	volatile organic compound
Work Plan	Draft Work Plan for Soil Gas, Soil, and Groundwater Investigation



WORK PLAN
FOR SOIL GAS, SOIL, AND GROUNDWATER INVESTIGATION
Former Chicago Musical Instruments
Fullerton, California

1.0 INTRODUCTION

This document presents the soil gas, soil, and groundwater investigation work plan (Work Plan) for the former Chicago Musical Instruments (CMI) project site located at 350 South Raymond Avenue, Fullerton, California (Figure 1). This property is currently owned and occupied by United Duralume Products, Inc. (UDP). This Work Plan was prepared by AMEC Geomatrix, Inc. (AMEC), for the California Department of Toxic Substances Control (DTSC). The general scope of this Work Plan was provided by the DTSC in Contract Agreement No. 09-T9097. Figure 2 shows the site, which is located between East Walnut Avenue and the Burlington Northern and Santa Fe Railway Company (BNSF) railroad tracks, and east of South Raymond Avenue.

Regional groundwater in the site area has been impacted by volatile organic compounds (VOCs) that are constituents of industrial degreasing solvents. In 2009, the Orange County Water District (OCWD) conducted a limited soil gas investigation at the site during which several VOCs were detected (Section 2.3). The commonly detect VOCs included tetrachloroethene (PCE), trichloroethene (TCE), and 1,1-dichloroethene (1,1-DCE). The highest concentrations of VOCs were detected in the southeastern portion of the former CMI manufacturing building (Figure 2). Based on previous site operations history, the source of VOCs was attributed to past operations conducted by CMI and not current operations conducted by UDP.

To prepare this Work Plan, AMEC conducted a review of available environmental reports prepared for the UDP/CMI property and, where available, adjacent properties. AMEC also completed an Environmental Data Resources, Inc. (EDR) records search, and reviewed City Directory Abstracts and aerial photographs. Sanborn Fire maps were also requested but they did not include coverage of the site. On June 17, 2010, AMEC staff also interviewed the current site operator, Mr. Mike Adams (President, UDP) and conducted a tour of the CMI facility. Results of the background studies and site visit are summarized in this Work Plan.



1.1 OBJECTIVES AND SCOPE

The objectives of the Work Plan are to (1) further characterize the extent of VOCs in soil gas at the site, and (2) assess potential VOC and metal impacts to soil and groundwater beneath the site. The investigation results will be used to evaluate whether or not previous site operations have contributed to VOC impacts to regional groundwater in the site area.

The results of the soil gas, soil, and groundwater investigation will be used to design and implement a soil vapor extraction (SVE) pilot study (a supplemental work plan will be prepared for the SVE pilot study). To meet these objectives, the Work Plan and field sampling and analysis plan (SAP) presented herein will be implemented to evaluate the concentration and distribution of VOCs in soil gas and VOCs and metals in soil and groundwater beneath the site.

1.2 WORK PLAN ORGANIZATION

This Work Plan is organized as follows:

Section 1.0	Introduction
Section 2.0	Site Background
Section 3.0	Sampling and Analysis Plan
Section 4.0	Sample Analysis, Handling, and Custody
Section 5.0	Health and Safety Plan
Section 6.0	Report Preparation
Section 7.0	References

Additional supporting information is presented in tables, figures, and appendixes.

1.3 RELIANCE ON INFORMATION PROVIDED BY OTHERS

AMEC has relied upon information provided by others to summarize the extent of environmental site conditions reported herein. AMEC did not attempt to independently verify the accuracy or completeness of that information. To the extent that the opinions and conclusions in this Work Plan, and future reports and documents, are based in whole or in part on such information, those conclusions are contingent on its accuracy and validity. AMEC assumes no responsibility for any consequence arising from any information or condition that was inaccurate, concealed, withheld, misrepresented, or otherwise not fully disclosed or not available to AMEC.



2.0 SITE BACKGROUND

A summary of the site setting and pertinent background information is presented in the following subsections. The background information was summarized from various sources/documents referenced herein.

2.1 PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS

As shown on Figure 2, the site is approximately 720 feet long by 440 feet wide and is bounded by BNSF railroad tracks to the north, East Walnut Avenue to the north, South Raymond Avenue to the west, and an industrial/commercial property to the east. The manufacturing building is located on the western portion of the site. A warehouse and outbuilding are located on the eastern portion of the site. The eastern portion of the site is also used for truck parking.

EDR aerial photographs were reviewed for the site and its vicinity. EDR (2010) provided 10 photographs that covered the area between 1927 and 2005. Key findings include.

- Before 1927 and through at least 1953, the site and its vicinity were used primarily for farming/agriculture (orchards) with residential development northwest of the site.
- The 1968 photograph shows the CMI manufacturing building and parking lots to the east and south of the manufacturing building. The area north of East Walnut Avenue is primarily residential, while the area to the south of the site appears to be used primarily for light industrial/manufacturing.
- The 1976 photograph shows the warehouse building on the north side of the eastern portion of the site. The 1990 photograph shows the outbuilding near the center of the southern property boundary.
- No other significant changes can be observed in photographs after 1990.

The EDR reports are included in Appendix A.

2.1.1 Topography and Surface Water Flow

The general setting and topographic features of the site and its vicinity are shown on the United States Geological Survey (USGS) Anaheim 7.5-minute topographic quadrangle map; dated 1981 within Orange County, California. According to this USGS topographic map, ground surface elevation at the site is approximately 170 feet above mean sea level and the regional topography slopes slightly toward the west-southwest.

Surface water flow at the site is generally toward the center of the site (eastern side of CMI manufacturing building) where storm water swales direct the surface water either north toward East Walnut Avenue or south toward the BNSF railroad tracks.



2.1.2 Regional and Geologic Setting

The property is located within the northern portion of the Peninsular Range Geomorphic Province and in the southern portion of the Los Angeles Basin on the Southern California Coastal Plain. The Coastal Plain of Orange County is underlain by a deep depression of sedimentary strata. Surficial sediments consist of recent deposits of unconsolidated sand, silt, clay, and gravel. A fine-grained layer occurs at about 200 to 250 feet. This layer separates the Upper aquifer system into a shallow and deep zone (OCWD, 2005). The materials of the Upper aquifer are composed of unconsolidated, medium- to coarse-grained sands and gravels with interbedded thin layers of fine-grained, low-permeability silts and clays (OCWD, 2005).

Previous subsurface geologic investigations at a nearby property located approximately ¾-mile southwest of the site indicate that sediments above a depth of approximately 70 feet consist predominantly of poorly-graded sand interbedded with thin beds of silts, silty sand, and clayey sands. The sandy soil is underlain by an interbedded transition zone of silts, clays, and fine sands that is approximately 25 feet thick and is underlain by a 15- to 30-foot thick clay horizon. The sediments below the clay interval are characterized by poorly-graded, saturated sands to a depth of approximately 175 feet (Equipoise, 2010).

2.1.3 Regional and Hydrogeologic Setting

The site is located within the Orange County Ground Water Basin (basin), which is part of the 360-square-mile Coastal Plain of Orange County. The Santa Ana River, the primary surface water drainage feature in the area, is located east and southeast of the site. The northern portion of the basin that includes the cities of Fullerton and Anaheim falls within the region known as the Forebay, which is the predominant area of basin recharge (OCWD, 2005). The approximately 11-acre Forebay area was named the North Basin Groundwater Protection Project (NBGPP). Groundwater in the NBGPP occurs in younger alluvium at a depth of approximately 110 to 120 feet below ground surface (bgs) in the area and is considered to be of beneficial use for irrigation, municipal, and industrial purposes. The basin contains two aquifers that are separated by a fine-grained layer at a depth of approximately 200 to 250 feet.

According to documents obtained from the OCWD website, the site is located in the NBGPP and overlies an area of regional VOC-impacted groundwater.

"In the northern section of OCWD's groundwater basin (under Fullerton and Anaheim), portions of the shallow aquifer are contaminated with volatile organic compounds, or VOCs. From the late 1950s through early 1980s, VOCs were used for industrial degreasing in metals and electronics manufacturing. VOCs were released into the environment and impacted the shallow aquifer, which is generally less than 200 feet deep. Although the shallow aquifer is not directly being used for drinking water supplies, groundwater in this aquifer eventually flows into the deeper principal aquifer, which is used for potable water supplies. To date, two City of Fullerton production



wells have been removed from service and destroyed due to VOC contamination in that area. Fullerton's drinking water supplies are tested regularly and meet all state and federal drinking water standards.

In accordance with OCWD's groundwater protection policy, OCWD implemented the NBGPP to protect drinking water supplies in the principal aquifer. OCWD is constructing five to seven wells specifically to remove and contain contaminated groundwater in the shallow aquifer. OCWD also will construct pipelines to bring the contaminated groundwater to a future treatment facility where the contaminants will be removed. The purified water will then be re-injected back into the shallow aquifer. OCWD is suing the parties responsible for contamination to seek cost recovery so that the public does not have to pay for this project (OCWD, 2005)."

Groundwater contamination in the NBGPP is primarily found in the upper aquifer, which is generally less than 200 feet deep and not directly used for drinking water supply (OCWD, 2005). Clay layers have limited vertical migration of most of the contamination, but in the eastern and southwestern project area, there are gaps in the clay layers and VOC-impacted groundwater has migrated downward into the underlying aquifer used for drinking water.

Based on water level measurements collected from OCWD monitoring wells in August 2005, the depth to groundwater in the upper aquifer system ranges from approximately 80 to 120 feet bgs. The groundwater flow direction is from east to west beneath the site (OCWD, 2005).

2.2 SITE HISTORY

The site was previously used for agricultural purposes from at least 1927 to 1953. From 1954 to 1979, the site was occupied by F E Olds and Son, Inc. (FE), a musical instrument manufacturer well known for its legendary trombones. In 1954, FE constructed a new industrial building at the site and moved its manufacturing facility from Los Angeles to the site. Sometime during this period, CMI merged with FE and eventually took over the ownership of FE. In 1979, UDP purchased the property and continues to occupy the site. According the OCWD records, CMI was purchased by Norlin Industries, Inc., which is now defunct.

2.2.1 CMI Historic Operations

CMI manufactured musical instruments and brass parts at the site. To support these operations, a plating room was located in the southeastern corner of the manufacturing building. According to Mr. Adams, plating operations were also conducted by CMI in the southeastern exterior corner of the building in an area covered by an awning. CMI reportedly conducted nickel, silver, and gold plating in this area of the site. Other portions of the manufacturing building were used for lacquer painting, finishing, polishing, lathing, and warehousing. Based on a plot plan dated 1965 obtained from the City of Fullerton Community Development, a foundry area was located in the northeastern corner of the building



(Mr. Adams was not aware of a foundry being operated at the site). Figure 3 shows the former building operations based on the 1965 drawing.

CMI constructed several concrete sumps within the manufacturing building. Some of these sumps appear to have been used for degreasing operations. In addition, the plating room floor was located about 3 feet below current surface. A three-stage clarifier was also located outside the southeast corner of the building. The use and purpose of this clarifier is unknown.

According to Fullerton Fire Department (FFD) Permit dated March 16, 1976, FE was permitted to use 16 carboys (approximate 5 to 15 gallon containers) of nitrate acid, 18 carboys of sulfuric acid, 40 gallons of kerosene, 60 gallons of lacquer, and 60 gallons of lacquer thinner.

Potassium cyanide was stored and used in a plating department located on the southeastern corner of the building. According to FFD Permit dated November 27, 1968, FE was permitted to store, handle, and transport 150 gallons of kerosene, 220 gallons of epoxy lacquer, 220 gallons of lacquer thinner, 500 gallons of trichloroethene, and 10 carboys of muriatic acid.

2.2.2 UDP Operations

In 1979, UDP purchased the site and subsequently filled the sumps and plating room floor with concrete so they would not interfere with their operations. UDP conducts metal fabrication and manufactures aluminum siding and patio covers. To produce these products, UDP receives pre-painted aluminum coils which are then textured, rolled out, then cut and shaped at the site. This process does not use any chemicals other than common machinery lubricants.

According to Mr. Adams, UDP does not use, nor have they ever has used solvents during their operations of the site. As noted on a 1987 Fullerton Fire Department Hazardous Materials Disclosure Form, no reportable chemical(s) are at the site.

2.3 PREVIOUS SOIL GAS SAMPLE RESULTS

As part of the OCWD's plan to protect groundwater resources in the NBGPP, they have installed numerous groundwater monitoring wells in the study area. Based in part on VOC concentrations observed in monitoring well FM-12A located approximately 600 feet down-gradient of the site, OCWD identified the site as a potential source of groundwater contamination.

In 2009, UDP granted permission to OCWD to conduct a soil gas survey at the site. A total of 11 soil gas probes, identified as UDP-SG1 through UDP-SG11, were installed at a depth of 10 feet and sampled for VOCs. In general, relatively low VOC concentrations were detected in soil gas samples collected from soil gas probes located in the northern portion of the site outside the manufacturing building (probes UDP-SG5 through UDP-SG11) and in the



southwestern portion of the site outside the manufacturing building (probe UDP-SG1).

VOC results included:

- TCE at concentrations ranging between non-detect (ND) and 20 micrograms per liter ($\mu\text{g/L}$);
- PCE at concentrations ranging between 1.8 and 37 $\mu\text{g/L}$; and
- 1,1-DCE at concentrations ranging between ND and 12 $\mu\text{g/L}$.

Relatively high concentrations of TCE, PCE, and 1,1-DCE were detected in probes UDP-SG2 through UDP-SG4 located in the southeastern portion of the manufacturing building.

Probe UDP-SG2 was placed inside the manufacturing building within approximately 10 feet of a former degreaser sump. VOC results included:

- TCE at concentrations ranging between 520 and 1,300 $\mu\text{g/L}$;
- PCE at concentrations ranging between 1,300 and 47,000 $\mu\text{g/L}$; and
- 1,1-DCE at concentrations ranging between 1,200 and 1,700 $\mu\text{g/L}$.

Soil gas concentrations for TCE, PCE, and 1,1-DCE are shown on Figure 4.

3.0 SAMPLING AND ANALYSIS PLAN

A SAP will be conducted to evaluate the potential presence of chemical constituents in soil gas, soil, and groundwater at the site. This SAP will consist of soil gas, soil, and groundwater (grab) sampling and analysis to obtain data necessary to further assess environmental conditions at suspect portions of the site identified during the preparation of this Work Plan. United States Environmental Protection Agency (U.S. EPA)-approved methods will be used for sampling and analysis, wherever possible.

The following subsections describe the sampling strategy, rationale, investigative methods and procedures, sample analysis program, sample handling, decontamination procedures, and management of investigation-derived wastes.

3.1 SAMPLING STRATEGY, RATIONALE, AND APPROACH

The field activities will consist of a soil gas survey; nested soil gas probe installation; and sampling of soil gas, soil, and groundwater (grab) to further assess the potential source areas and extent of VOCs at the site. The geologic work will be performed by an AMEC geologist under the supervision of a professional geologist in compliance with the requirements of the Geologist and Geophysicists Act (Business and Professions Code, Sections 7800-7887).



The field work will be performed in accordance with the site-specific Health and Safety Plan/Contingency Plan (HASCP) presented in Appendix B (Section 5.0).

InterPhase Environmental, Inc. (InterPhase), of Los Angeles, California, will be retained to conduct a soil gas survey and collect shallow soil samples. BC² Environmental Corporation of Orange, California, will be retained to conduct drilling, continuous coring, soil and grab groundwater sampling, nested soil gas probe installation, and SVE well and monitoring point installation. Soil gas samples will be analyzed by an on-site mobile laboratory. Confirmation soil gas samples will be analyzed by a fixed-base laboratory. Microbac Laboratories, Inc. (Microbac), a State-certified mobile laboratory, will be retained to analyze soil gas samples on site. Calscience Environmental Laboratories (Calscience), a State-certified laboratory, will be retained to analyze confirmation soil gas samples and soil samples collected during this investigation. Moore Twining Associates, Inc. (Twining), a State-certified laboratory, will be retained to analyze groundwater samples. Twining is a disabled veteran business enterprise.

AMEC, with the assistance of the DTSC, will arrange for utility clearance and obtain any required permit(s) before the subsurface investigation activities commence.

The rationale and approach for the soil gas and soil sampling program are described in the following sections. Sample designations are listed in Table 1.

3.1.1 Soil Gas Survey

The purpose of the soil gas survey is to further assess potential source areas and extent of VOCs in the shallow soil gas at the site. The soil gas survey will be conducted in accordance with the DTSC Advisory – Active Soil Gas Investigations (Advisory), dated January 13, 2003 (DTSC, 2003), and updated March 2010, that incorporates the California Regional Water Quality Control Board (RWQCB), Los Angeles Region Interim Guidance for Active Soil Gas Investigation, dated February 25, 1997 (RWQCB, 1997).

Soil gas samples will be collected from nine locations in the southeastern portion of the site and one location in the courtyard outside the office (Figure 5). The shallow soil gas probes will be placed inside and outside the manufacturing building near suspect VOC source areas (former plating area and clarifier) and in the area of the planned future SVE pilot study. Each soil gas probe will be completed as a semi-permanent/permanent probe for use as soil gas monitoring points during the subsequent SVE pilot study.



Soil gas samples will be collected at each location from a depth of approximately 10 feet. For quality control/quality assurance (QA/QC) purposes, two field duplicate/replicate soil gas samples will be collected at sample locations showing “moderate” concentrations of VOCs. The soil gas samples will be analyzed on site by the mobile laboratory (Microbac) for the target VOCs (Table 1). Depending on the results, additional soil gas probes may be installed at the direction of DTSC staff to define the extent of VOCs in soil gas in this area of the site.

As required by the Advisory (DTSC, 2003), a purge-volume test will be conducted at the first sampling location using 1, 3, and 7 purge volumes. The soil gas survey will not be conducted during rain events or within 48 hours after significant rainfall ($\frac{1}{2}$ -inch or greater). At two sample locations, confirmation soil gas samples will be collected in Summa canisters and will be submitted to a fixed-base laboratory (Calscience) for analysis (Section 3.2.2).

The soil gas sampling protocols and analytical methods are discussed in Section 3.2.2. The field QA/QC samples are discussed in Section and 3.2.7.

3.1.2 Nested Soil Gas Probe Clusters

Nested soil gas probe clusters will be used to assess the vertical extent of VOCs beneath the site and to provide preliminary data for the planned future SVE pilot study. Based on the soil gas survey results, two nested soil gas probes will be installed outside the southeast corner of the manufacturing building, in the area of the planned future SVE pilot study (Figure 5). Each probe cluster will consist of up to five probes in a single borehole with screen intervals placed at depths of approximately 20, 40, 60, 80, and 100 feet. The actual probe placement depths will be based on lithology and depth to groundwater encountered at time of drilling. Soil borings for the nested soil gas probe clusters will be continuously cored using hollow stem auger drilling methods to a depth of approximately 5 feet below water table to facilitate grab groundwater sampling (Section 3.1.4). Lithologic logs will be prepared for both of these continuous core borings. Based on the results of these first two nested soil gas probes, a third nested probe may be installed to provide information on downgradient environmental conditions.

A minimum of 48 hours after installation, each soil gas probe from the nested soil gas probe clusters will be purged and sampled in accordance with the Advisory (DTSC, 2003) as described in Section 3.1.1. Additional purge volume tests may be performed if different soil types are encountered during continuous coring. As described previously, soil gas sampling will not be conducted during rain events or within 48 hours after significant rainfall ($\frac{1}{2}$ -inch or greater). The soil gas samples will be analyzed on site by the mobile laboratory (Microbac) for the target VOCs (Table 1). For QA/QC purposes, up to three field duplicate/replicate samples will be collected from probes showing “moderate” concentrations of VOCs. In addition, two



confirmation soil gas samples will be collected in Summa canisters and will be submitted to a fixed-base laboratory (Calscience) for analysis. The protocols for nested soil gas probe cluster installation, soil gas sampling, and laboratory analysis are discussed in Section 3.2.3. Field QA/QC samples are discussed in Section 3.2.7.

3.1.3 Soil Sampling

Soil sampling and analysis will be conducted to assess the extent of VOC and metal impacts in soil beneath the site. Soil borings for the nested soil gas probe clusters will be continuously cored to the total depth. Soil samples will be collected at depths of approximately 10, 20, 40, 60, 80, and 100 feet. The actual soil sample depths will be based on the lithologic conditions and depth to groundwater encountered at time of drilling. Soil samples will be analyzed for VOCs and metals (including hexavalent chromium). Soil samples collected from a depth of 10 feet will also be analyzed for cyanide. In addition, two soil samples selected from different lithologies will also be analyzed for physical properties (section 3.2.4). Additional soil samples may be collected at the direction of DTSC staff.

The soil sampling methods and procedures and analytical methods are discussed in Section 3.2.4. Field QA/QC samples are discussed in Section 3.2.7.

3.1.4 Grab Groundwater Sampling

The soil borings for the nested soil gas probe clusters will extend into the water table and will be used to grab groundwater samples. A grab groundwater sample will be collected from each boring and analyzed for VOCs and metals. If non-dedicated sampling equipment is used to collect the grab groundwater samples, a field duplicate groundwater sample and an equipment blank sample will be collected for QA/QC purposes.

The protocols for grab groundwater sampling and analytical methods are described in Section 3.2.5. Field QA/QC samples are discussed in Section 3.2.7.

3.1.5 SVE Pilot Study Network

To facilitate conducting the proposed SVE pilot study, one SVE well and up to three soil vapor monitoring (SVM) points will be installed. Location and design of the SVE well and SVM points will be determined based on the soil gas analytical results from the nested soil gas probe clusters and lithology observed in the continuous soil cores. The SVE well will be installed in an area with elevated concentrations of VOCs in soil gas. To evaluate the radius of influence, the SVM points will be installed approximately at 10, 20, and 30 feet from the SVE well. The locations of the SVM points will be modified based on the lithology observed during the continuous coring. The depth of the SVM probe will be based on the final screen interval of the SVE well. The procedures for installation of the SVE well and SVM points and the



proposed SVE system are briefly discussed in Section 3.2.6. A separate work plan will be prepared for the SVE pilot study methods and detail procedures.

3.2 SAMPLING METHODS AND PROCEDURES

This section describes the methods and procedures that will be used to conduct a utility clearance and to collect soil gas, soil, and groundwater samples.

3.2.1 Utility Clearance

AMEC will contact Underground Services Alert (USA) before commencement of field activities to locate subsurface utilities. The proposed drilling locations will be clearly marked with white paint or surveyor's flagging as required by USA. USA will contact the utility owners of record within the site vicinity and notify them of AMEC's intention to conduct a subsurface investigation. The utility owners of record, or their designated agents, will be expected to clearly mark the position of their utilities on the ground surface throughout the area designated for subsurface investigation.

AMEC will retain Subsurface Surveys & Associates, Inc. to conduct a geophysical survey at the proposed sample locations. The purpose of the survey will be to locate and delineate any privately-owned utilities, pipelines, or other buried structures that may exist in the study area. If any suspect buried structures or pipelines are delineated by the geophysical survey, sample locations may be moved accordingly to avoid the delineated or suspected subsurface features.

3.2.2 Soil Gas Survey

The soil gas survey will be conducted using a direct-push Geoprobe-type rig and an on-site mobile laboratory (Microbac). Probes placed inside the building may be installed using limited access equipment. As described in Section 3.1.1, soil gas sampling will not occur during a rain event or within 48 hours following a significant rain event (½-inch or greater). A general description of the probe installation and soil gas sampling is presented in the following paragraphs. Any requirement of the DTSC and the RWQCB that is not specifically described below is incorporated by reference to the DTSC Advisory (2003) and the RWQCB Interim Guidance (1997).

The soil gas probes will be installed following the method described in Section 3.1.5 of the DTSC Advisory (2003). The soil gas probes will be installed using permanent/semi-permanent emplacement methods. Hollow steel drive rods will be hydraulically pushed to the sampling depth of approximately 10 feet. Before advancement, borings will be hand-augered to a depth of 5 feet to clear underground utilities and other potential obstructions that may be present. Each soil gas probe will be constructed with new, ¼-inch outside diameter nyloflow tubing with a 6-inch stainless steel screen. Filter pack will consist of approximately 1-foot thick #2/12



sand placed around the screen. The sand pack will be topped with approximately 1-foot thick dry granular bentonite, followed by bentonite chips hydrated in place. As materials are placed in the boring around the vapor implant and tubing, the hollow steel rod will be incrementally removed. Each soil gas probe will be completed at the surface with concrete and secured in place with a flush-mounted, 5-inch diameter well box. The soil gas probes will be used as soil gas monitoring points during the subsequent SVE pilot study.

The completed soil gas probes will be left undisturbed for a minimum of 30 minutes (depending on the probe installation method used) before sampling to allow the soil gas to equilibrate. For probes located inside the building with limited access, hand tools (jack hammer) or other limited access equipment may be used to push the hollow steel drive rods to the desired depths.

The sample tubing will be connected to an electric vacuum pump, which will pump the appropriate purge volume before sampling (based on results of the purging test described in Section 3.1.1). The soil gas samples will be collected in a gas-tight syringe by puncturing the tubing that connects the sampling probe to the vacuum pump or in a glass bulb wrapped in aluminum foil. The air flow rate during soil gas purging and sampling will be between 100 and 200 milliliters (mL) per minute and vacuum will be maintained at less than 100 inches of water, in accordance with the DTSC advisory (2003) to obtain representative samples. A vacuum gauge or similar device will be used to monitor vacuum. A gas tight syringe may be used to qualitatively determine the vacuum condition. Details of the sampling procedures are described in the subcontractor's standard operating procedures included as Appendix C.

During soil gas sampling, a leak test will be conducted with a tracer gas such as isobutane or isopropanol placed near the surface seal to check for potential intrusion of ambient air. Soil gas samples will be analyzed on site by Microbac for the target VOCs (Table 1) using U.S. EPA Method 8260B. In addition, two confirmation soil gas samples will be collected for fixed-base laboratory analysis (Calscience) using U.S. EPA Method TO-15. The confirmation soil gas samples will be collected in laboratory-supplied 1.0-liter Summa canisters, which will be evacuated by the laboratory to more than 25 inches of mercury gauge pressure. A dedicated regulator will be used to allow each canister to fill within 8 to 35 minutes. The vacuum pressure will be recorded before the regulator valve is opened. The valve will be left open until the vacuum gauge pressure is between 1 and 3 inches of mercury.



3.2.3 Nested Soil Gas Probe Cluster Installation and Sampling

Soil borings for soil gas probe clusters will be advanced using hollow stem auger drilling methods. Before drilling commences, each boring will be hand-augered to approximately 5 feet bgs. Soil borings will be continuously cored and lithology encountered will be described by an AMEC field geologist using ASTM International (ASTM) Standard D2488 visual-manual procedures, which is based on the Unified Soil Classification System. Color, moisture content, visual grain size distribution, and other pertinent characteristics will be noted. Soil will be screened in the field for potential presence of organic vapor using an organic vapor meter (OVM) such as a photoionization detector (PID). Soil boring logs will be prepared and the following information will be recorded: boring number and location; sample identification numbers; date and time; sample depth; lithologic descriptions; sample recovery; description of any evidence of soil contamination (i.e., odor, staining) or subsurface obstructions; and OVM readings. Soil borings will be continuously cored to a depth approximately 5 feet below the water table to facilitate groundwater sampling. Groundwater is anticipated to encounter at a depth of approximately 135 feet bgs. After grab groundwater sampling is completed, borings will be backfilled with bentonite grout to approximately 96 feet bgs. Bentonite grout will be topped with dry bentonite chips to approximately 98 feet bgs to absorb moisture for installation of the nested soil gas probes.

Each nested soil gas probe cluster will consist of up to five probes within a single borehole at depths of approximately 20, 40, 60, 80, and 100 feet. The actual probe depths will be determined based on lithology and depth to groundwater encountered at time of drilling. Each probe will be constructed of 1/4-inch outside diameter nyloflow tubing with a 6-inch stainless steel screen. The probes will be attached to 1-inch diameter, Schedule 40 polyvinyl chloride (PVC) standpipe using plastic zip-ties for stability. Probe assemblage will be conducted at the surface. The filter pack will consist of #2/12 sand and will extend from approximately 2 feet below the bottom of the screen to approximately 2 feet above the screen interval. The annular seal between the probes will consist of approximately 1-foot thick dry granular bentonite placed above the filter sand pack, followed by bentonite chips or granular bentonite hydrated in place. Approximately 1-foot thick dry granular bentonite will be placed beneath the filter sand pack for the probe above. As materials are placed in the boring around the vapor implant and tubing, auger will be incrementally removed. The PVC standpipe will be filled with grout after the probe cluster is installed as well as capped and sealed at each end to prevent it from being a pathway for contaminant migration. Each soil gas probe cluster will be completed at the surface with a flush-mounted well box.



A minimum of 48 hours after installation, each soil gas probe will be purged and sampled as described for the soil gas survey in Section 3.2.2. Higher flow rates (greater than 200 mL per minute) may be used to purge the deeper soil gas probes. Vacuum will be maintained at 100 inches of water or less using a vacuum gauge or similar device to minimize stripping during purging and sampling of the deeper probes. Soil gas samples will be analyzed on site by the mobile laboratory (Microbac) for the target VOCs (Table 1) using U.S. EPA Method 8260B. One to two field duplicate soil gas samples will be collected for QA/QC purposes. In addition, a confirmation soil gas sample will be collected in a laboratory-supplied 1.0-liter Summa canister in accordance with the procedures previously described in Section 3.2.2.

3.2.4 Soil Sampling

Soil samples will be collected from the two continuous core borings for the nested soil vapor probe clusters at depths of 10, 20, 40, 60, 80, and 100 feet, as described in Section 3.1.3. Soil samples for laboratory analysis will be collected using California-modified split spoon sampler. Additional soil samples may be collected at depths with elevated vapor readings or at contacts between lithologic intervals and /or at the direction of DTSC staff.

Soil samples for VOCs analysis will be collected using a Terra Core sampler (or equivalent), following U.S. EPA Method 5035 protocols. Each sampler kit consists of two vials containing sodium bisulfate and one vial containing methanol. If the sodium bisulfate effervesces during sample preservation, it will be replaced by laboratory grade deionized water.

One to two field duplicate soil samples will be collected for QA/QC purposes. One equipment blank per non-dedicated sampling device will be collected. A trip blank will accompany each shuttle containing samples for VOCs analysis, and will be analyzed for VOCs only.

Soil samples and QA/QC samples will be analyzed for the following, as appropriate:

- Cyanide using U.S. EPA Method 9010C/9014 (samples collected at approximately 10 feet only).
- VOCs using U.S. EPA Method 8260B.
- California Code of Regulations (CCR) Title 22 metals using U.S. EPA Method 6010B/7471A.
- Hexavalent chromium using U.S. EPA Method 7196.

In addition, two selected soil samples will analyzed for the following physical parameters:

- Grain size distribution using ASTM Standard D4464,
- Moisture content using ASTM Standard D2216,



- Effective permeability by American Petroleum Institute Recommended Practice (API RP) 40,
- Effective soil porosity by ASTM Standard D425M,
- Bulk dry density ASTM Standard D2937, and
- Fraction organic carbon using Walkley-Black Method.

3.2.5 Grab Groundwater Sampling

A grab groundwater sample will be collected from each soil boring drilled to install the nested soil gas probe clusters. A grab groundwater sample will be collected from each boring using a temporary well constructed with a 5-foot long, 0.010-inch slotted PVC well screen and blank casing riser. Groundwater samples will be collected in a new disposable bailer.

A field duplicate groundwater sample will be collected for QA/QC purposes. If non-dedicated sampling equipment is used, one equipment blank will also be collected per sampling day. A trip blank will accompany each shuttle containing samples for VOCs analysis, and will be analyzed for VOCs only. Groundwater samples and the QA/QC samples will be analyzed for the following:

- VOCs using U.S. EPA Method 8260B,
- CCR Title 22 metals using U.S. EPA Method 6010B/7471A, and
- Hexavalent chromium using U.S. EPA Method 7199.

3.2.6 SVE Pilot Study Network

Soil borings for the SVE well and SVM points will be drilled using hollow stem auger drilling methods. Before drilling, each boring will be hand-augered to a depth of approximately 5 feet to clear underground utilities and obstructions. Soil borings will be advanced to the desired depth based on the lithology and soil gas data from the nested soil gas probe clusters. Soil will be sampled in 5-foot intervals for lithologic logging purposes and confirmation of screen depth intervals.

The preliminary SVE well design includes 4-inch diameter, Schedule 40 PVC casing and 0.020-inch slotted well screen. The final design of the SVE well will be based on the lithology observed during the continuous coring and soil gas data from the nested soil gas probes. Filter pack will consist of #3 sand and will extend from approximately 1-foot below the bottom of the well screen to 1 to 2 feet above the well screen. The filter sand pack will be topped with approximately 2- to 3-foot thick bentonite chips hydrated in place, followed by bentonite grout. Surface will be completed with a 12-inch diameter traffic-rated well box set in concrete.



The SVM points will be installed approximately at 10, 20, and 30 feet linearly from the SVE well to evaluate the radius of influence. The distances of the SVM points from the SVE well may be modified based on the lithology observed during continuous coring. The depth of each probe will be based on the actual SVE well design. Each SVM probe will be constructed using new, 1/4-inch outside diameter nylaflo tubing with a 6-inch stainless steel screen. Filter pack will consist of #2/12 sand and will extend from approximately 1-foot below the bottom of the screen to approximately 1-foot above the screen interval. The annular seal will consist of approximately 1-foot thick dry granular bentonite placed above the filter sand pack, followed by bentonite chips or granular bentonite hydrated in place. As materials are placed in the boring around the vapor implant and tubing, the hollow steel rod will be incrementally removed. Each SVM point will be completed at the surface with concrete and flush-mounted well box.

After the installation of the SVE well and SVM points, AMEC will coordinate the delivery of a temporary SVE system to conduct the SVE pilot study. Above ground Schedule 40 PVC pipe or flexible hosing will be used to connect the SVE system to the extraction well. The SVE system will consist of a trailer-mounted low vacuum pump, knockout tank, and dual 2,000-pound carbon vessels. A diesel generator will be used to convey electrical power. Alternatively, electricity from the facility may be used to power the SVE system. The vacuum pump will be capable of extracting soil gas at a flow rate of up to 250 standard cubic feet per minute at 12 inches of mercury vacuum. Operation of the SVE system will be authorized by a "various-locations" permit issued by the South Coast Air Quality Management District.

Details of the SVE system operation and maintenance and monitoring procedures will be discussed in a separate work plan.

3.2.7 Field Quality Control Samples

Three types of field quality control samples are planned for this investigation. These include:

- field duplicates (soil gas, soil, and groundwater samples),
- equipment blanks, and
- trip blanks (soil and groundwater samples).

The field QC sampling procedures are discussed in the following subsections.

3.2.7.1 Field Duplicates

A field duplicate is a sample that is collected and analyzed in the same manner, and at the same time and location, as a primary sample. Field duplicate samples will be collected and analyzed to evaluate sampling and analytical precision (reproducibility). Agreement between primary and duplicate sample results will indicate good sampling and analytical precision.



The precision goal for groundwater field duplicate results will be plus or minus (\pm) 30 percent relative percent difference (RPD) compared to the primary results. The precision goal for soil gas and soil field duplicate results will be \pm 50 percent RPD compared to the primary results.

For soil samples submitted for VOC analysis, a field duplicate soil sample will be collected by obtaining a second volume (i.e., separate Terra Core [or equivalent] soil sampler) near the first sample location. The field duplicate soil sample will be collected immediately after the initial sample is collected. For soil samples submitted for metals analysis, a field duplicate sample will be collected by thoroughly mixing soil from the sample interval in a plastic bag and then dividing and placing the soil into two glass sample containers.

Field duplicate samples will be collected from one soil sample location, two soil gas sample locations during soil gas survey, two soil gas probes from the nested probe clusters, and one grab groundwater sampling location. The field duplicate soil sample will be submitted to the laboratory "blind" (i.e., given a fictitious name so that the laboratory will not recognize them as duplicates). The soil gas field duplicates will be selected in the field from a location showing "moderate" levels of VOCs.

3.2.7.2 Equipment Blanks

An equipment blank is a sample that is prepared in the field by pouring reagent grade deionized water provided by the laboratory through and over cleaned sampling equipment. The water is then collected and analyzed as a sample. The equipment blank provides an indication of contamination from field procedures (e.g., improperly cleaned sampling equipment or cross-contamination).

Equipment blanks will be collected during soil and groundwater sampling activities at a minimum frequency of one per set of sampling equipment per sample matrix per day that non-dedicated sampling equipment is used. The equipment blanks will be submitted to the laboratory "blind" (i.e., given a fictitious name so that the laboratory will not recognize them as blanks). The equipment blanks will be analyzed by the same laboratory method(s), and for the same analytes, as the samples collected with the sampling equipment. The analytical goal for equipment blanks is to have no detectable analytes.

3.2.7.3 Trip Blanks

A trip blank is a sample that is prepared by the analytical laboratory using laboratory grade deionized water and shipped with the sample cooler to the office for delivery to the project site. The trip blank is used to assess the potential for contamination during transport of the sample shuttle from the laboratory to the field, through the sampling program and its return to the



laboratory. One trip blank will be submitted with each sample cooler containing soil and groundwater samples to be analyzed for VOCs.

3.2.8 Field Equipment and Calibration

Field equipment includes air monitoring pumps, organic vapor meters, and other similar equipment. Routine preventative maintenance of field equipment is performed according to manufacturer's recommendations. All field equipment will be examined and serviced as needed before job start-up. Sufficient numbers of back-up equipment and spare parts will be available to minimize down time. In addition, sufficient quantities of field equipment supplies (e.g., soil gas tubing, sample containers, field materials/consumables) including back-up supplies, will be available at the site. Any repairs and maintenance completed on equipment during the investigation will be recorded on the daily field records.

Field equipment will be calibrated before its first daily use and daily, according to the manufacturer's recommendations. The date, method, and results of field equipment calibration will be recorded on a field instrument calibration sheet.

4.0 SAMPLE ANALYSIS, HANDLING, AND CUSTODY

All samples will be handled in accordance with approved procedures specified herein. The U.S. EPA-approved analytical methods will be used to produce definitive-level data for use in the investigation. Screening-level data will be obtained from field instruments such as PID readings.

Soil gas samples obtained during the soil gas survey will be analyzed using an on-site mobile laboratory contracted by the soil gas survey company (InterPhase).

4.1 SAMPLE CONTAINERS AND PRESERVATIVES

The laboratory will provide sample containers before each sampling event. The containers will be pre-cleaned to meet U.S. EPA standards and will not be rinsed in the field before sample collection. Before delivery, the laboratory will add preservatives, as required, to the containers for aqueous samples.

All sample containers will be labeled, placed in resealable plastic bags, placed in an ice chest, and delivered to the Environmental Laboratory Accreditation Program certified laboratory. If any water sample container (other than volatile organic analysis vials) is not filled completely, the sample volume level will be marked on the outside of the container with indelible ink.



4.2 SAMPLE PACKAGING AND SHIPMENT

A sample label will be affixed to each sample container for proper identification in the field and for tracking in the laboratory. The sample labels will include the following information:

- Job number;
- Sample identification number;
- Sampler's initials;
- Date and time of collection; and
- Preservative, if any.

Following collection and labeling, samples will be immediately placed in a sample cooler for temporary storage. The following protocol will be followed for sample packaging.

- Sample containers will be placed in clear, plastic, leak-resistant bags before placement in the ice chest. Sample sleeve liner caps or container screw caps will be checked for tightness and sealed before placing the sample in the bag.
- Samples to be shipped will be placed in a sturdy cooler lined with a large plastic trash bag before placing samples therein. The bottom of the cooler will be lined with bubble wrap. Glass sample containers (e.g., trip blanks, equipment blanks) will be wrapped in bubble wrap. Empty space in the cooler will be filled with bubble wrap or Styrofoam peanuts to prevent movement and breakage of samples during shipment. Vermiculite may also be placed in the cooler to absorb spills.
- Ice packs will be contained in double leak-resistant plastic bags and placed in the coolers to keep samples at a chilled temperature of 4 degrees Celsius ($^{\circ}\text{C}$) \pm 2 $^{\circ}\text{C}$ during transport to the analytical laboratory. When ice is used, the drain plug of the cooler will be secured with glass fiber tape to prevent melting ice from leaking out of the cooler.
- The chain-of-custody (COC) form will be placed in a water-resistant plastic bag taped to the inside of the cooler lid.
- Strapping tape (or equivalent) may be placed around each cooler to secure the lid before transport to the laboratory.
- A self-adhesive custody seal will be placed across the front closure of the cooler any time it is not in someone's possession or view before shipping. Just before shipping, custody seals will be affixed to the front, right, and back of the cooler. All custody seals will be signed and dated.



A temperature blank will be enclosed in each sample-shipping container when samples that require preservation by chilling are transported to the laboratory. The temperature blank will consist of a 40-mL vial filled with distilled or potable tap water, which will be clearly marked to indicate its purpose to the laboratory. The temperature blank will be placed next to the investigation samples during packaging. The temperature of the water in the temperature blanks will be recorded upon arrival at the laboratory. The target sample temperature is 4°C, $\pm 2^\circ\text{C}$.

Every effort will be made to transport the samples to the analytical laboratory at the end of each sampling day. However, for sampling days that continue after operating hours of the laboratory, the samples will be stored overnight in a secured location (e.g., in the AMEC office) under appropriate COC procedures, and the samples will be shipped to the laboratory the next day. During overnight storage, the cooler(s) will be replenished with new ice to maintain the samples in a chilled state of 4°C, $\pm 2^\circ\text{C}$. Alternately, samples may be shipped to the laboratory by overnight courier under COC requirements specified herein.

4.3 SAMPLE DOCUMENTATION

Because of the relatively short duration of field activities, daily field records will be used to document where, when, how, and from whom any vital project information was obtained. Daily entries will be complete and accurate enough to permit reconstruction of field activities. Each daily field record will be dated and the time of entry noted in military time. All entries will be legible, written in black ink, and signed by the individual making the entries. Language will be factual, objective, and free of personal opinions or other terminology, which might prove inappropriate. If an error is made, corrections will be made by striking a line through the error and entering the correct information. Corrections will be dated and initialed. No entries will be obliterated or rendered unreadable.

Entries in the daily field record will include at a minimum the following for each day:

- Site name and address,
- Recorder's name,
- Team members and their responsibilities,
- Time of site arrival/entry on site and time of site departure,
- Other personnel on-site,
- Weather conditions including approximate air temperature precipitation, or high wind conditions,
- A summary of any on-site meetings,



- Deviations from the sampling plan or the site-specific HASCP,
- Changes in personnel and responsibilities as well as reasons for the changes,
- Levels of safety protection, and
- Calibration readings for any equipment used and equipment model and serial number.

At a minimum, the following information will be recorded during the collection of each sample:

- Sample identification number,
- Sample location and description,
- Site sketch showing sample location and measured distances to physical reference points,
- Sampler name(s),
- Date and time of sample collection,
- Designation of sample as composite or grab,
- Type of sample (i.e., matrix),
- Type of preservation,
- Type of sampling equipment used,
- Lot numbers of vendor-supplied sample containers or specialty-grade water,
- Field observations and details important to analysis or integrity of samples (e.g., heavy rains, odors, colors),
- Instrument readings (e.g., PID),
- COC form numbers,
- Shipping arrangements (by overnight courier delivery company including air bill number, or laboratory pickup including name of personnel and time of departure), and
- Recipient laboratory(ies).



4.4 CHAIN OF CUSTODY RECORDS

COC records are used to document sample collection and shipment to the laboratory for analysis. A COC record will accompany each sample shipment to identify the contents of each shipment and maintain the custodial integrity of the samples. A sample is considered to be in someone's custody if it is either in someone's physical possession, in someone's view, locked up, or kept in a secured area that is restricted to authorized personnel. Until received by the laboratory, the custody of the samples will be the responsibility of the sample collector or courier.

After placement of each sample in its protective plastic bag, the bag will be sealed. The shipping containers in which samples are stored (usually a sturdy picnic cooler or ice chest) may also be sealed with custody tape any time the containers are not in someone's possession or view and during shipment to the laboratory. These seals will be signed and dated by the sample collector.

4.5 DECONTAMINATION PROCEDURES

All equipment that comes into contact with potentially contaminated soil will be decontaminated consistently to assure the quality of samples collected. Disposable equipment intended for one time use will not be decontaminated, but will be packaged for appropriate disposal. Before initial use and between sampling locations, reusable sampling equipment or containers will be properly decontaminated. The sampling equipment and devices used will be decontaminated using the following procedures:

- Non-phosphate detergent and tap water wash, using a brush if necessary;
- Tap-water rinse;
- Initial deionized/distilled water rinse;
- Final deionized/distilled water rinse; and
- Set on clean plastic sheeting to air dry.

Equipment will be decontaminated in a pre-designated area on pallets or plastic sheeting, and clean bulky equipment will be stored on plastic sheeting in uncontaminated areas. When not in use, decontaminated sampling equipment will be wrapped in or covered with clean plastic.



4.6 INVESTIGATIVE WASTE MANAGEMENT

In the process of drilling and collecting environmental samples, different types of potentially contaminated investigation-derived wastes (IDW) may be generated. These IDW may include the following.

- used personal protective equipment (PPE);
- disposable sampling equipment;
- decontamination fluids; and
- soil cuttings.

The U.S. EPA's National Contingency Plan requires that management of IDW generated during such investigations comply with all applicable or relevant and appropriate requirements to the extent practicable. Listed below are the procedures that will be followed for handling any IDW. These procedures have enough flexibility to allow the site investigation team to use its professional judgment for the proper disposal method for each type of IDW generated at each sampling location. Any waste storage containers such as 55-gallon drums will be sealed and labeled (including date) and placed in a secure area of the site.

- Unless there is contact with apparently contaminated material, used PPE and disposable equipment such as acetate liners will be double bagged and placed in a municipal refuse dumpster. These wastes are not considered hazardous due to the limited amount of site media that may adhere to this solid material and can be sent to any acceptable municipal landfill. Any PPE and disposable equipment that is to be disposed of that can still be reused will be rendered inoperable before disposal in the refuse dumpster. If field personnel are uncertain as to the level of contamination remaining on the PPE or solid material, this material will be contained in sealed 55-gallon drums for eventual disposal based on the results of sample analysis. The associated sample location and date that is the source of the apparently contaminated material will be indicated on the 55-gallon drum to aid in this determination.
- Decontamination fluids that may be generated during these sampling activities include deionized water and water with non-phosphate detergent. The fluids will be poured into 55-gallon drums and labeled as "decontamination water." The drums will be sealed upon completion of the field activities.
- Soil cuttings will be placed into 55-gallon drums that will be labeled with the source material sample locations and sealed. While soil from various borings may be placed in the same container, soil that is apparently contaminated will be sequestered, if possible, and identified by boring location and sample interval.



Containers filled with PPE/solid waste, decontamination water, and soil will be stored in a secure location pending analytical results. After review of the analytical results, and any additional analyses required for waste handling and disposal, the containers will be transported to an appropriate off-site disposal facility. AMEC will not sign waste manifests; DTSC will identify the person(s) authorized to sign the manifests.

5.0 HEALTH AND SAFETY PLAN

A site-specific HASCP has been prepared for the field work described herein. This HASCP is presented in Appendix B. All AMEC personnel will be required to follow the procedures set forth in the HASCP. Subcontractors will have access to a copy of the HASCP; however, they are responsible to provide proper safety procedures and monitoring for their own personnel.

6.0 REPORT PREPARATION

This soil gas, soil, and groundwater sampling program described herein is designed to provide appropriate and relevant information about the existing on-site conditions to support the planned SVE pilot study. Based on the results of the investigation described herein, a work plan for the planned SVE pilot study will be submitted and implemented. Once the planned SVE pilot study has been completed, a comprehensive final report will be prepared that summarizes the investigation results and findings from the planned SVE pilot study. The final report will include site background and environmental setting information, field documentation and observations, summaries of the analytical data obtained from the soil gas, soil, and groundwater sampling programs, and results of the SVE pilot study. Supporting documentation (e.g. soil boring logs, laboratory reports, data review results, and pilot study results) will be included as appendices to the final report. If any deviations from this Work Plan and other work plans arise, DTSC will be consulted and necessary steps will be taken to adapt to the situation. All activities that deviate from the original work plan will be documented and included in the final report.

Based on the investigation findings, recommendations will be made, as appropriate, for any additional actions to further assess conditions at the site. If further action is recommended, the report will identify remaining data gaps and/or investigative needs/strategies. The draft report will be provided to DTSC within 45 days of receipt of final analytical data. Subsequently, a final report will be submitted following receipt and resolution of DTSC comments to the draft report.



7.0 REFERENCES

Department of Toxic Substances Control (DTSC), 2003, Advisory – Active Soil Gas Investigations, January 13.

Environmental Data Resources Inc. (EDR), 2010, 350 South Raymond Avenue, Fullerton, California 92831, Inquiry Number: 2760992.5, May 6.

Equipoise Corporation, 2010, Fourth Quarter 2009 Remediation Progress Report, Former Y-12 Site, 301 E. Orangethorpe Avenue, Anaheim, California, February.

Orange County Water District (OCWD), 2005, Geologist's/Engineer's Report, North Basin Groundwater Protection Project, October.

Regional Water Quality Control Board (RWQCB) – Los Angeles Region, 1997, Interim Guidance for Active Soil Gas Investigation (Reissued), February 25.



TABLES

TABLE 1

SOIL GAS, SOIL, AND GROUNDWATER SAMPLES AND ANALYSES

Former Chicago Musical Instruments
Fullerton, California

Sample Designation	Sample Type/Location ^{1,2}	Sample Depth (feet)	Sample Analy
Soil Gas			
SG12 through SG21	shallow soil gas survey probes	10	VOCs (EPA Method
SG26 and SG27	nested soil gas probes	20, 40, 60, 80, 100	VOCs (EPA Method
Soil			
SB01	continuous core boring	10, 20, 40, 60, 80, 100	Cyanide (EPA Method 9 samples collected at VOCs (EPA Method 82 Metals (EPA Method 60 Hexavalent chromium (EP/
SB02	continuous core boring	10, 20, 40, 60, 80, 100	Cyanide (EPA Method 9 samples collected at VOCs (EPA Method 82 Metals (EPA Method 60 Hexavalent chromium (EP/
Groundwater			
SB01	grab groundwater	to be determined	VOCs (EPA Method 82 Metals (EPA Method 60 Hexavalent chromium (EP/
SB02	grab groundwater	to be determined	VOCs (EPA Method 82 Metals (EPA Method 60 Hexavalent chromium (EP/

Notes:

1. Proposed sample locations shown on Figure 5.
2. Field duplicates will be collected from two soil gas survey locations, two soil gas probes from the nested probe cluster one soil sample location, and one grab groundwater sample location.
3. Two confirmation soil gas samples will be collected into 1-liter Summa canisters and analyzed by a fixed-base laboratory for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency Method TO-15.

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BID BOOKLET INVITATION FOR BID (IFB) 3-1615

BOOK 2 OF 2

**DEMOLITION SERVICES - RAYMOND GRADE
SEPARATION PROJECT - FULLERTON**



ORANGE COUNTY TRANSPORTATION AUTHORITY

**550 South Main Street
P.O. Box 14184
Orange, CA 92863-1584
(714) 560-6282**

Key IFB Dates

Issue Date:	July 9, 2013
Pre-Bid Conference/Site Visit:	August 8, 2013
Questions/Approved Equal Submittal:	August 12, 2013
Bids Submittal Date:	August 23, 2013



BID FORM

The undersigned hereby proposes to perform all work for which a contract may be awarded and to furnish any and all plant, labor, services, material, tools, equipment, supplies, transportation, utilities, and all other items and facilities necessary therefore as required in the **Invitation For Bids (IFB) 3-1615**, and to do everything required therein; and further proposes that, if this bid is accepted, will contract in the form and manner stipulated to perform all the work in strict conformity therewith within the time limits set forth therein, and will accept as full payment therefore, the following price:

ITEM	PROP. ID	WORK DESCRIPTION *	A	LUMP SUM PRICE
1	ID-1	349 & 351 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 30,000
2	ID-2	371 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 25,000
3	ID-3	503 S. Raymond Ave – Hazardous Material Removal / Disposal		\$
4	ID-4	505 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 30,000
5	ID-5	511 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 30,000
6	ID-6	522 to 532 S. Raymond Ave – Hazardous Material Removal / Disposal		\$
7	ID-7	525 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 12,000
8	ID-8	529 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 12,000
9	ID-9	535 S. Raymond Ave – Hazardous Material Removal / Disposal		\$
10	ID-10	539 S. Raymond Ave – Hazardous Material Removal / Disposal	A	\$ 12,000
11	ID-11	1124 E. Walnut Ave – Hazardous Material Removal / Disposal	A	\$ 25,000
12	ID-12	1128 E. Walnut Ave – Hazardous Material Removal / Disposal		\$
13	ID-13	1131 E. Walnut Ave – Hazardous Material Removal / Disposal		\$
14	ID-14	1132 E. Walnut Ave – Hazardous Material Removal / Disposal		\$
15	All	MOBILIZATION (cannot exceed 5% of total bid)		\$
16	All	BUILDING DEMOLITION AND SITE CLEARING – All Properties (All other contract work not including work covered by pay items above)		\$
		Demo Services – Raymond Avenue GS Project		
		TOTAL LUMP SUM BID AMOUNT	\$	

BID FORM, PAGE 2

NOTE: The Bidder shall complete the Bid Form in its entirety. The “allowance” amounts allocated is an estimated allowance for hazardous material removal and disposal and shall be inclusive of the total bid amount.

Refer to the Scope of Work, Exhibit B, for a complete description of the work included in the Pay Item. The Description in this form only serves the purpose of a title.

A = Allowance Pay Item. Refer to the Scope of Work, Exhibit B, for more information about Pay Items identified as an Allowance.

In the case of a mathematical error or discrepancy, the corrected figures and sum of the separate Pay Item prices shall be the Total Bid Amount for purposes of bid evaluation and Total Contract Price. The AUTHORITY will correct the error and the corrected Total Bid Amount determined by the AUTHORITY shall be final.

A cashier's check/certified check/bid bond (circle applicable term) properly made payable to Orange County Transportation Authority, hereinafter designated as the _____ Owner, _____ for _____ the _____ sum _____ of _____ Dollars (\$ _____) which

amount is not less than ten percent (10%) of the total amount of this bid, is attached hereto and is given as a guarantee that the undersigned will execute the Agreement and furnish the required bonds, Guaranty, and Certificate of Insurance, if awarded the contract, and in case of failure to do so within the time provided, (a) the proceeds of said check shall be forfeited to the Authority; or (b) surety's liability to the Authority for forfeiture of the face amount of the bond shall be considered as established [circle (a) or (b)].

The undersigned hereby represents that:

BID FORM, PAGE 3

9. Bidder has thoroughly examined and become familiar with the work required and documents included under this IFB. The bidder understands that the award of the contract, if it is awarded, will be based on the lowest total bid submitted by a responsive and responsible bidder, and further, that the amounts and the total on the Bid Form will be subject to verification by the Authority.
10. By investigation at the site of the work and otherwise, it is satisfied as to the nature and location of the work and is fully informed as to all conditions and matters, which can in any way affect the work or the cost thereof.
11. Bidder fully understands the scope of the work/specifications and has checked carefully all words and figures inserted in said Invitation For Bids (IFB) and further understands that the Authority will in no way be responsible for any errors or omissions in the preparation of this bid. Bidder further asserts that it is capable of performing quality work to meet Authority's requirements.
12. Bidder will execute the Agreement and furnish the required Performance and Payment Bonds, Guaranty, and proof of insurance coverage within fifteen (15) business days after notice of acceptance of bid by the Authority; and further, that this bid may not be withdrawn for a period of 120 calendar days after the date set for the opening thereof, unless otherwise required by law. If any bidder shall withdraw its bid within said period, the bidder shall be liable under the provisions of the Bid Security, or the bidder and the surety shall be liable under the Bid Bond, as the case may be.
13. Bidder hereby certifies that this bid is genuine and not a sham or collusive or made in the interest or on behalf of any person not herein named, and the undersigned has not directly or indirectly induced or solicited any other bidder to put in a sham bid, or any other person, firm, or corporation to refrain from bidding; the undersigned has not in any manner sought by collusion to secure for himself an advantage over any other bidder.
14. In conformance with current statutory requirements of Section 1860, et. seq., of the Labor Code of the State of California, the Bidder shall execute the document included in this IFB entitled "Bidder's Certificate of Compliance Regarding Workers' Compensation Insurance."
15. Bidder hereby further certifies that each, and every representations made in this bid are true and correct and made under penalty of perjury.
16. Bidder shall permit the authorized representative of the Authority to inspect and audit all data and records of bidder relating to this bid, and if awarded a contract resulting from this bid, shall permit such inspection and audit of all data and records of bidder related to bidder's performance of such contract.

BID FORM, PAGE 4

1. Bidder does not employ anyone who is now, or for one (1) year immediately prior to the date of this offer was, a director, officer, member, or employee of the Orange County Transportation Authority. The undersigned has not agreed to pay a fee contingent upon the award of a contract resulting from this bid to anyone who is now, or for one (1) year immediately prior to the date of this bid was, a director, officer, member, or employee of the Orange County Transportation Authority.
2. If awarded a contract resulting from this bid, bidder shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age or national origin. The bidder shall take affirmative action to ensure that applicants are employed, and that employees are treated during their employment, without regard to their race, religion, color, sex, age or national origin. Such actions shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
3. Bid will be in effect for 120 calendar days after the bid closing date.

BID FORM, PAGE 5

Now: In compliance with the Invitation For Bids 3-1615, the undersigned, with full cognizance thereof, hereby proposes to perform the entire work in strict compliance with all of the said requirements and provisions for the prices set forth herein upon which award of contract is made. The undersigned affirms that the information provided herein is true and accurate and that any misrepresentations are made under penalty of perjury.

Dated _____, 201_ Bidder _____

The above bid includes Signature _____

Addenda Nos. _____ Name _____

Title _____

Bidder's Authorized Representative _____

Title _____

Telephone # _____

Fax # _____

Email Address _____

Bidder's post office address _____

Corporation organized under the laws of the State of _____

Contractor's License No. _____

Expiration Date of License _____

Surety or sureties _____

(CORPORATE SEAL)

BID SECURITY FORM
BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That, _____ as principal and Bidder and _____ as Surety, are held and firmly bound unto the Orange County Transportation Authority, of State of California, hereinafter referred to as "Authority," in the sum of _____ Dollars (\$_____), to be paid to the Authority, its successors, and assigns; for which payment, well and truly to be made, bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents, this amount being ten percent (10%) of the total amount of the Bid.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the certain bid of the above named _____ bounden _____ principal _____

for _____ at the Orange County Transportation Authority's _____ as specifically set forth in documents entitled **IFB 3-1615, "DEMOLITION SERVICES - RAYMOND GRADE SEPARATION PROJECT - FULLERTON"**, shall not be withdrawn within a period of 120 calendar days after the date set for the opening of bids, (unless otherwise required by law, and notwithstanding the award of the contract to another Bidder), and that if said bid is accepted by the Authority through action of its legally constituted _____ contracting _____ authorities _____ and _____ if _____ the _____ above bounden _____ its heirs, executors, administrators, successors and assigns, shall execute a contract for such construction and deliver the required Performance and Payment Bonds, "Guaranty," and proof of insurance coverage within fifteen (15) business days after notification of contract award from the Authority, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

IN WITNESS WHEREOF, we hereunto set our hands and seals this _____ day of _____, 201__.

NOTE: The standard printed bond form of any bonding company acceptable to the Authority may be used in lieu of the foregoing approved sample bond form provided the security stipulations protecting the Authority are not in any way reduced by use of the security company's printed standard form.

BID SECURITY FORM
CHECK TO ACCOMPANY BID

(NOTE: The following form shall be used in case check accompanies bid)

Accompanying this bid is a Certified Cashiers check (circle the appropriate one) payable to the order of Orange County Transportation Authority, hereinafter referred to as "Authority," for _____ dollars (\$_____), this amount being ten percent (10%) of the total amount of the Bid submitted in response to _____. The proceeds of this check shall become the property of Authority provided this bid shall be accepted by Authority through action of its legally constituted contracting authorities and the undersigned shall fail to execute a contract and furnish the required "Guaranty" Form, Performance and Payment Bonds and proof of insurance coverage within fifteen (15) business days after date of notification of contract award from the Authority. The proceeds of this check shall also become the property of the Authority if the undersigned Bidder withdraws the bid within the period of 120 days after the date set for the opening thereof, unless otherwise required by law, and notwithstanding the award of the contract to another Bidder. Otherwise, the check shall be returned to the undersigned.

Bidder: _____

Signature: _____

Date: _____

NOTE: If the Bidder desires to use a bond instead of check, the Bid Bond form shall be executed and the sum of this bond shall be ten percent [10%] of the total amount of the bid.

INFORMATION REQUIRED OF BIDDER

The bidder is required to supply the following information. Additional sheets may be attached if necessary.

14. Name of Bidder: _____

15. Business Address: _____

16. Telephone () _____ Fax () _____ E-Mail: _____

17. Type of Firm - Individual, Partnership or Corporation: _____

18. Corporation organized under the laws of state of: _____

19. Contractor's License No.: _____ Class _____ Years of Experience: _____

20. Expiration Date of License: _____

21. Is your firm a certified small business in California? Yes____ No____

22. List the names and addresses of all owners of the firm or names and titles of all officers of the corporation:

INFORMATION REQUIRED OF BIDDER, PAGE 2

23. Please list the following: a) All prior and current license numbers that the current owner(s) or officers possess or have possessed in the last five years and the current status of those license; b) any prior company names that the owner(s) had in operation during the previous five years.

Current Officers or Owners Name	Prior Company Names (During the last 5 years)	Prior and Current License Numbers	Status of License

Note: If additional space is required to detail the information requested, please attach another page. All information requested must be included. Failure to identify all of the information may result in your bid being found non-responsive and your bid being rejected.

24. List all construction projects (public and private) for which bidder has provided general contractor services for the past three years:

Contract Type (Public or Private)	Project Description	Dates of Service	Total Cost	Name and Address of Owner	Contact Name and Phone Number

INFORMATION REQUIRED OF BIDDER, PAGE 3

Note: If additional space is required to detail the information requested, please attach another page. All information requested must be included. Failure to identify all of the information may result in your bid being found non-responsive and your bid being rejected.

25. List the name, address and phone number of Superintendent for this project:

26. List all construction projects (public and private) for which Superintendent has provided services as a Superintendent for the past three years.

Contract Type (Public or Private)	Project Description	Dates of Service	Total Cost	Name and Address of Owner	Contact Name and Phone Number

NOTE: If requested by the Authority, bidder shall furnish a certified financial statement, financial data, or other information and references sufficiently comprehensive to permit an appraisal of its current financial condition.

I hereby certify the above is true and correct to the best of my belief.

Signature

Name

Title

Company Name

Telephone Number

Fax Number

Email Address

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE
EQUAL EMPLOYMENT OPPORTUNITY (Executive Order 11246)**

1. The Bidders' attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

Timetable Goals for Minority Participation for Each Trade (11.9)

Goals for Female Participation in Each Trade (6.9)

These goals are applicable to all the Contractor's construction work (whether or not it is federal or federally assisted) performed in the covered area.

The Contractor's compliance with the Executive Order and the regulations in 41 C.F.R. Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 C.F.R. 60-4.3 (a), and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 C.F.R. Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subContractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.
4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" includes the County of Orange, California.

BIDDER'S CERTIFICATE OF COMPLIANCE
REGARDING
WORKERS' COMPENSATION INSURANCE

In conformance with current statutory requirements of Section 1860, et. seq., of the Labor Code of the State of California, the undersigned confirms the following certification:

"I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that code and I will comply with such provisions before commencing the performance of the work of this Contract."

Bidder/Contractor: _____

Signature: _____

Name and Title: _____

Date: _____

BIDDER'S CERTIFICATE OF COMPLIANCE
REGARDING
STATE OF CALIFORNIA
BUSINESS AND PROFESSIONS CODE SECTION 7028.15

Contractor License Number: _____

Expiration Date of Contractor's License: _____

Each, every and all of the representations made by Bidder in the attached bid are true and correct.

Name of Bidder/Contractor: _____

Signed: _____

Title: _____

Subscribed to and sworn before me, a Notary Public in and for the State of California, on _____, 201__.

Notary Public

My commission expires on:

_____, 201__
(NOTARY SEAL)

LIST OF SUBCONTRACTORS

List only the subcontractors, which will perform work or labor or render services to the bidder in excess of one-half of one percent (1/2 of 1%) of the bidder's total bid amount. Do not list alternative subcontractors for the same work. (Use additional sheets if necessary.)

Name & Address Under Which Subcontractor is Licensed	License Number	Specific Description of Work to be Rendered	Small Business Y/N	Type*	Dollar Amount
					\$
					\$
					\$
					\$
					\$
					\$
TOTAL VALUE OF SUBCONTRACTED WORK					\$

Bidder's Name _____

PARTY DISCLOSURE FORM**Information Sheet****ORANGE COUNTY TRANSPORTATION AUTHORITY
AND AFFILIATED AGENCIES**

The attached Party Disclosure Form must be completed by applicants for, or persons who are the subject of, any proceeding involving a license, permit, or other entitlement for use pending before the Board of Directors of the Orange County Transportation Authority or any of its affiliated agencies. (Please see next page for definitions of these terms.)

IMPORTANT NOTICE**Basic Provisions of Government Code Section 84308**

- A. If you are an applicant for, or the subject of, any proceeding involving a license, permit, or other entitlement for use, you are prohibited from making a campaign contribution of more than \$250 to any board member or his or her alternate. This prohibition begins on the date your application is filed or the proceeding is otherwise initiated, and the prohibition ends three months after a final decision is rendered by the Board of Directors. In addition, no board member or alternate may solicit or accept a campaign contribution of more than \$250 from you during this period.
- B. These prohibitions also apply to your agents, and, if you are a closely held corporation, to your majority shareholder as well. These prohibitions also apply to your subContractor(s), joint venturer(s), and partner(s) in this proceeding. Also included are parent companies and subsidiary companies directed and controlled by you, and political action committees directed and controlled by you.
- C. You must file the attached disclosure form and disclose whether you or your agent(s) have in the aggregate contributed more than \$250 to any board member or his or her alternate during the 12-month period preceding the filing of the application or the initiation of the proceeding.
- D. If you or your agent have in the aggregate contributed more than \$250 to any individual board member or his/or her alternate during the 12 months preceding the decision on the application or proceeding, that board member or alternate must disqualify himself or herself from the decision. However, disqualification is not required if the board member or alternate returns the campaign contribution within 30 days from the time the director knows, or should have known, about both the contribution and the fact that you are a party in the proceeding. The Party Disclosure Form should be completed and filed with your proposal, or with the first written document, you file or submit after the proceeding commences.

1. A proceeding involving "a license, permit, or other entitlement for use" includes all business, professional, trade and land use licenses and permits, and all other entitlements for use, including all entitlements for land use, all contracts (other than competitively bid, labor or personal employment contracts), and all franchises.
2. Your "agent" is someone who represents you in connection with a proceeding involving a license, permit or other entitlement for use. If an individual acting as an agent is also acting in his or her capacity as an employee or member of a law, architectural, engineering, consulting firm, or similar business entity, both the business entity and the individual are "agents."
3. To determine whether a campaign contribution of more than \$250 has been made by you, campaign contributions made by you within the preceding 12 months must be aggregated with those made by your agent within the preceding 12 months or the period of the agency, whichever is shorter. Contributions made by your majority shareholder (if a closely held corporation), your subContractor(s), your joint venturer(s), and your partner(s) in this proceeding must also be included as part of the aggregation. Campaign contributions made to different directors or their alternates are not aggregated.
4. A list of the members and alternates of the Board of Directors is attached.

This notice summarizes the major requirements of Government Code Section 84308 of the Political Reform Act and 2 Cal. Adm. Code Sections 18438-18438.8.

ORANGE COUNTY TRANSPORTATION AUTHORITY**AND ITS AFFILIATED AGENCIES PARTIES**

To be completed only if campaign contributions have been made in the preceding 12 months.

Prime Firm's Name: _____

Party's Name: _____

Party's Address: _____

Street

City

State

Zip

Phone

Application or Proceeding

Title and Number: _____

Board Member(s) or Alternate(s) to whom you and/or your agent made campaign contributions and dates of contribution(s) in the preceding 12 months:

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Date: _____

Signature of Party and/or Agent

**ORANGE COUNTY TRANSPORTATION AUTHORITY
AND AFFILIATED AGENCIES**

Board of Directors

Greg Winterbottom, Chairman

Shawn Nelson, Vice Chairman

Patricia Bates, Director

Lori Donchak, Director

Gail Eastman, Director

Matthew Harper, Director

Michael Hennessey, Director

Steve Jones, Director

Jeff Lalloway, Director

Gary Miller, Director

John Moorlach, Director

Al Murray, Director

Janet Nguyen, Director

Miguel Pulido, Director

Tim Shaw, Director

Todd Spitzer, Director

Frank Ury, Director

PARTICIPANT DISCLOSURE FORM**Information Sheet****ORANGE COUNTY TRANSPORTATION AUTHORITY
AND AFFILIATED AGENCIES**

The attached Participant Disclosure Form must be completed by participants in a proceeding involving a license, permit, or other entitlement for use. (Please see next page for definitions of these terms.)

IMPORTANT NOTICE**Basic Provisions of Government Code Section 84308**

- A. If you are a participant in a proceeding involving a license, permit, or other entitlement for use, you are prohibited from making a campaign contribution of more than \$250 to any board member or his or her alternate. This prohibition begins on the date you begin to actively support or oppose an application for license, permit, or other entitlement for use pending before the Orange County Transportation Authority or any of its affiliated agencies, and continues until three months after a final decision is rendered on the application or proceeding by the Board of Directors.

No board member or alternate may solicit or accept a campaign contribution of more than \$250 from you and/or your agency during this period if the board member or alternate knows or has reason to know that you are a participant.

- B. The attached disclosure form must be filed if you or your agent has contributed more than \$250 to any board member or alternate for the Orange County Transportation Authority or any of its affiliated agencies during the 12-month period preceding the beginning of your active support or opposition. (The disclosure form will assist the board members in complying with the law.)
- C. If you or your agent have made a contribution of more than \$250 to any board member or alternate during the 12 months preceding the decision in the proceeding, that board member or alternate must disqualify himself or herself from the decision. However, disqualification is not required if the member or alternate returns the campaign contribution within 30 days from the time the director knows, or should have known, about both the contribution and the fact that you are a participant in the proceeding.

The Participant Disclosure Form should be completed and filed with the proposal submitted by a party, or should be completed and filed the first time that you lobby in person, testify in person before, or otherwise directly act to influence the vote of the board members of the Orange County Transportation Authority or any of its affiliated agencies.

1. An individual or entity is a "participant" in a proceeding involving an application for a license, permit or other entitlement for use if:
 1. The individual or entity is not an actual party to the proceeding, but does have a significant financial interest in the Orange County Transportation Authority's or one of its affiliated agencies' decision in the proceeding.

AND

2. The individual or entity, directly or through an agent, does any of the following:
 - i. Communicates directly, either in person or in writing, with a board member or alternate of the Orange County Transportation Authority or any of its affiliated agencies for the purpose of influencing the member's vote on the proposal;
 - ii. Communicates with an employee of the Orange County Transportation Authority or any of its affiliated agencies for the purpose of influencing a member's vote on the proposal; or
 - iii. Testifies or makes an oral statement before the Board of Directors of the Orange County Transportation Authority or any of its affiliated agencies.
2. A proceeding involving "a license, permit, or other entitlement for use" includes all business, professional, trade and land use licenses and permits, and all other entitlements for use, including all entitlements for land use; all contracts (other than competitively bid, labor, or personal employment contracts) and all franchises.
3. Your "agent" is someone who represents you in connection with a proceeding involving a license, permit, or other entitlement for use. If an agent acting as an employee or member of a law, architectural, engineering, or consulting firm, or a similar business entity or corporation, both the business entity or corporation and the individual are agents.

4. To determine whether a campaign contribution of more than \$250 has been made by a participant or his or her agent, contributions made by the participant within the preceding 12 months shall be aggregated with those made by the agent within the preceding 12 months or the period of the agency, whichever is shorter. Campaign contributions made to different members or alternates are not aggregated.
5. A list of the members and alternates of the Board of Directors is attached.

This notice summarizes the major requirements of Government Code Section 84308 and 2 Cal. Adm. Code Sections 18438-18438.8.

ORANGE COUNTY TRANSPORTATION AUTHORITY
AND ITS AFFILIATED AGENCIES PARTICIPANTS

To be completed only if campaign contributions have been made in the preceding 12 months.

Prime Firm's Name: _____

Party's Name: _____

Party's Address: _____

Street

City

State

Zip

Phone

Application or Proceeding

Title and Number: _____

Board Member(s) or Alternate(s) to whom you and/or your agent made campaign contributions and dates of contribution(s) in the preceding 12 months:

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Name of Member: _____

Name of Contributor (if other than Party): _____

Date(s): _____

Amount(s): _____

Date: _____

Signature of Party and/or Agent

**ORANGE COUNTY TRANSPORTATION AUTHORITY
AND AFFILIATED AGENCIES**

Board of Directors

Greg Winterbottom, Chairman

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Lori Donchak, Director

Gail Eastman, Director

Matthew Harper, Director

Michael Hennessey, Director

Steve Jones, Director

Jeff Lalloway, Director

Gary Miller, Director

John Moorlach, Director

Al Murray, Director

Janet Nguyen, Director

Miguel Pulido, Director

Tim Shaw, Director

Todd Spitzer, Director

Frank Ury, Director

STATUS OF PAST AND PRESENT CONTRACTS FORM

On the form provided below, bidder shall list the status of past and present contracts where the firm has either provided services as a prime contractor or a subcontractor during the past five (5) years in which the contract has ended or will end in a termination, settlement or in legal action. A separate form must be completed for each contract. Bidder shall provide an accurate contact name and telephone number for each contract and indicate the term of the contract and the original contract value.

If the contract was terminated, list the reason for termination. Bidder must also identify and state the status of any litigation, claims or settlement agreements related to any of the identified contracts. Each form must be signed by an officer of the bidder confirming that the information provided is true and accurate.

Project city/agency/other:	
Contact Name:	Phone:
Project Award Date:	Original Contract Value:
Term of Contract:	
1) Status of contract:	
2) Identify claims/litigation or settlements associated with the contract:	
3) Reason for termination:	

By signing this Form entitled "Status of Past and Present Contracts," I am affirming that all of the information provided is true and accurate.

Print Name

Date

Signature

Title

Non-Collusion Affidavit

(Title 23 United States Code Section 112 and
Public Contract Code Section 7106)

To the Orange County Transportation Authority

In accordance with Title 23 United States Code Section 112 and Public Contract Code 7106 the bidder declares that the bid is not made in the interest of, or on the behalf of, any undisclosed person, partnership, company, association, organization or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly, or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Bidder: _____

Date: _____