

**REQUEST FOR PROPOSALS (RFP) 4-2119**

# **MICROSIMULATION MODEL DEVELOPMENT FOR HARBOR BOULEVARD**



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

## **Key RFP Dates**

<b>Issue Date:</b>	<b>February 21, 2024</b>
<b>Question Submittal Date:</b>	<b>February 28, 2024</b>
<b>Proposal Submittal Date:</b>	<b>March 20, 2024</b>
<b>Interview Date:</b>	<b>April 16, 2024</b>

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February 21, 2024

**NOTICE OF REQUEST FOR PROPOSALS (RFP)**

**RFP 4-2119: "MICROSIMULATION MODEL DEVELOPMENT FOR HARBOR BOULEVARD"**

**TO: ALL OFFERORS**

**FROM: ORANGE COUNTY TRANSPORTATION AUTHORITY**

The Orange County Transportation Authority (Authority) invites proposals from qualified consultants to develop calibrated multi-modal microsimulation models along Harbor Boulevard. The budget for this project is \$350,000 for a fifteen (15)-month term.

**Please note that by submitting a Proposal, Offeror certifies that it is not subject to any Ukraine/Russia-related economic sanctions imposed by the State of California or the United States Government including, but not limited to, Presidential Executive Order Nos. 13660, 13661, 13662, 13685, and 14065. Any individual or entity that is the subject of any Ukraine/Russia-related economic sanction is not eligible to submit a Proposal. In submitting a Proposal, all Offerors agree to comply with all economic sanctions imposed by the State or U.S. Government.**

**Proposals must be submitted, electronically, through the following URL link: <http://www.octa.net/Proposal Upload Link>, at or before the deadline of 2:00 p.m. on March 20, 2024. The link has an upload file size limit of 80MB. Authority will not accept hard copy proposals for this RFP.**

Offerors are instructed to click the upload link, select "**RFP 4-2119**" from the drop-down menu, and follow the instructions as prompted to upload the proposal. The upload link will expire at the submittal deadline and will not allow proposals to be uploaded.

Should Offerors encounter technical issues with uploading the proposals via the link provided, Offerors are required to contact the Contract Administrator prior to the submission deadline. Proposals and supplemental information to proposals received after the date and time specified above will be rejected.

Firms interested in obtaining a copy of this RFP may do so by downloading the RFP from CAMM NET at <https://cammnet.octa.net>.

All firms interested in doing business with the Authority are required to register their business on-line at CAMM NET. The website can be found at <https://cammnet.octa.net>. From the site menu, click on CAMM NET to register.

To receive all further information regarding this RFP 4-2119, firms and subconsultants 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:

Professional Consulting

Commodity:

Consultant Services - Transit  
Planning

Consultant Services -

Transportation Planning

Traffic Planning Consulting

Consultant Services - General

The Authority has established April 16, 2024, as the date to conduct interviews. All prospective Offerors will be asked to keep this date available.

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

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

The award of this contract is subject to receipt of federal, state and/or local funds adequate to carry out the provisions of the proposed agreement including the identified Scope of Work.

**SECTION I: INSTRUCTIONS TO OFFERORS**

**SECTION I. INSTRUCTIONS TO OFFERORS****A. EXAMINATION OF PROPOSAL DOCUMENTS**

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

**B. ADDENDA**

The Authority reserves the right to revise the RFP documents. Any Authority changes to the requirements will be made by written addendum to this RFP. Any written addenda issued pertaining to this RFP 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 RFP as the result of oral instructions. Offerors shall acknowledge receipt of addenda in their proposals. Failure to acknowledge receipt of Addenda may cause the proposal to be deemed non-responsive to this RFP and be rejected.

**C. AUTHORITY CONTACT**

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

Rhea Aninzo, Associate Contract Administrator  
Contracts Administration and Materials Management Department  
Phone: 714.560.5650  
Email: raninzo@octa.net

Commencing on the date of the issuance of this RFP and continuing until award of the contract or cancellation of this RFP, no offeror, subcontractor, lobbyist or agent hired by the offeror shall have any contact or communications regarding this RFP with any Authority's staff; member of the evaluation committee for this RFP; or any contractor or consultant involved with the procurement, other than the Contract Administrator named above or unless expressly permitted by this RFP. Contact includes face-to-face, telephone, electronic mail (email) or formal written communication. Any offeror, subcontractor, lobbyist or agent hired by the offeror that engages in such prohibited communications may result in disqualification of the offeror at the sole discretion of the Authority.

**D. CLARIFICATIONS****1. Examination of Documents**

Should an Offeror require clarifications of this RFP, the Offeror shall notify the Authority in writing in accordance with Section D2. below. Should it be found that the point in question is not clearly and fully set forth, the Authority will issue a written addendum clarifying the matter which will be sent to all firms registered on CAMM NET under the commodity codes specified in this RFP.

**2. Submitting Requests**

- a. All questions must be put in writing and received via email at [raninzo@octa.net](mailto:raninzo@octa.net) no later than 2:00 p.m., on February 28, 2024.
- b. Requests for clarifications, questions, and comments must be clearly labeled, "Written Questions RFP 4-2119," in the subject line of the email. The Authority is not responsible for failure to respond to a request that has not been labeled as such.

**3. Authority Responses**

Responses from the Authority will be posted on CAMM NET no later than March 4, 2024. Offerors may download responses from CAMM NET at <https://cammnet.octa.net>, or request responses be sent via email.

To receive email notification of Authority responses when they are posted on CAMM NET, firms and subconsultants 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:

Professional Consulting

Commodity:

Consultant Services - Transit  
Planning  
Consultant Services -  
Transportation Planning  
Traffic Planning Consulting  
Consultant Services - General

Inquiries received after 2:00 p.m. on February 28, 2024 will not be responded to.

**E. SUBMISSION OF PROPOSALS****1. Date and Time**

**Proposals must be submitted, electronically,** through the following URL

link: <http://www.octa.net/Proposal Upload Link>, at or before the deadline of **2:00 p.m. on March 20, 2024. The link has an upload file size limit of 80MB. Authority will not accept hard copy proposals for this RFP.**

Offerors are instructed to click the upload link, select “**RFP 4-2119**” from the drop-down menu, and follow the instructions as prompted to upload the proposal. The upload link will expire at the submittal deadline and will not allow proposals to be uploaded.

Should Offerors encounter technical issues with uploading the proposals via the link provided, Offerors are required to contact the Contract Administrator prior to the submission deadline. Proposals and supplemental information to proposals received after the date and time specified above will be rejected.

## **2. Acceptance of Proposals**

- a. The Authority reserves the right to accept or reject any and all proposals, or any item or part thereof, or to waive any informalities or irregularities in proposals.
- b. The Authority reserves the right to withdraw or cancel this RFP at any time without prior notice and the Authority makes no representations that any contract will be awarded to any Offeror responding to this RFP.
- c. The Authority reserves the right to issue a new RFP for the project.
- d. The Authority reserves the right to postpone proposal openings for its own convenience.
- e. Each proposal will be received with the understanding that acceptance by the Authority of the proposal to provide the services described herein shall constitute a contract between the Offeror and Authority which shall bind the Offeror on its part to furnish and deliver at the prices given and in accordance with conditions of said accepted proposal and specifications.
- f. The Authority reserves the right to investigate the qualifications of any Offeror, and/or require additional evidence of qualifications to perform the work.
- g. Submitted proposals are not to be copyrighted.

**F. PRE-CONTRACTUAL EXPENSES**

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

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

1. Preparing its proposal in response to this RFP;
2. Submitting that proposal to the Authority;
3. Negotiating with the Authority any matter related to this proposal; or
4. Any other expenses incurred by Offeror prior to date of award, if any, of the Agreement.

**G. JOINT OFFERS**

Where two or more firms desire to submit a single proposal in response to this RFP, 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.

**H. TAXES**

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

**I. 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 protests filed by an Offeror in connection with this RFP must be submitted in accordance with the Authority's written procedures.

**J. CONTRACT TYPE**

It is anticipated that the Agreement resulting from this solicitation, if awarded, will be a firm-fixed price contract specifying firm-fixed prices for individual tasks specified in the scope of work, included in the RFP as Exhibit A. The Agreement will be a fifteen (15)-month term.

**K. CONFLICT OF INTEREST**

All Offerors responding to this RFP 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, an Offeror is unable, or potentially unable to render impartial assistance or advice to the Authority; an Offeror's objectivity in performing the work identified in the Scope of Work is or might be otherwise impaired; or an Offeror has an unfair competitive advantage. Conflict of Interest issues must be fully disclosed in the Offeror's proposal.

All Offerors must disclose in their proposal and immediately throughout the course of the evaluation process if they have hired or retained an advocate to lobby Authority staff or the Board of Directors on their behalf.

Offerors hired to perform services for the Authority are prohibited from concurrently acting as an advocate for another firm who is competing for a contract with the Authority, either as a prime or subcontractor.

**L. CODE OF CONDUCT**

All Offerors 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. All Offerors agree to include these requirements in all of its subcontracts.

**M. OWNERSHIP OF RECORDS/PUBLIC RECORDS ACT**

All proposals and documents submitted in response to this RFP shall become the property of the Authority and a matter of public record pursuant to the California Public Records Act, Government Code sections 6250 et seq. (the "Act"). Offerors should familiarize themselves with the provisions of the Act requiring disclosure of public information. Offerors are discouraged from marking their proposal documents as "confidential" or "proprietary."

If a Proposal does include "confidential" or "proprietary" markings and the Authority receives a request pursuant to the Act, the Authority will endeavor (but cannot guarantee) to notify the Offeror of such a request. In order to protect any information submitted within a Proposal, the Offeror must pursue, at its sole cost and expense, any and all appropriate legal action necessary to maintain the confidentiality of such information. The Authority generally does not consider pricing information, subcontractor lists, or key personnel, including resumes, as being exempt from disclosure under the Act. In no event shall the Authority or any of its officers, directors, employees, agents, representatives, or consultants be liable to Offeror for the disclosure of any materials or information submitted in response to the RFP or by failing to notify Offeror of a request seeking its Proposal. The Authority reserves the right to make an independent decision to disclose records and material.

Notwithstanding the above, all information regarding proposal responses will be held as confidential until such time as the evaluation has been completed; an

award has been made by the Board of Directors or Authority Staff, as appropriate; and the contract has been fully negotiated.

**N. STATEMENT OF ECONOMIC INTERESTS**

The awarded Offeror (including designated employees and subconsultants) may be required to file Statements of Economic Interests (Form 700) in accordance with the Political Reform Act (Government Code section 81000 et seq.). This applies to individuals who make, participate in making, or act in a staff capacity for making governmental decisions. The Authority determines which individuals are required to file a Form 700, and if such determination is made, the individuals must file Form 700s with the Authority's Clerk of the Board no later than thirty (30) days after the execution of the Agreement, annually thereafter for the duration of the Agreement, and within thirty (30) days of termination of the Agreement.

**SECTION II: PROPOSAL CONTENT**

## **SECTION II. PROPOSAL CONTENT**

### **A. PROPOSAL FORMAT AND CONTENT**

#### **1. Format**

Proposals should be typed with a standard 12-point font, double-spaced. Proposals should not include any unnecessarily elaborate or promotional materials. Proposals should not exceed fifty (50) pages in length, excluding any appendices, cover letters, resumes, or forms.

#### **2. Letter of Transmittal**

The Letter of Transmittal shall be addressed to Rhea Aninzo, Associate Contract Administrator, and must, at a minimum, contain the following:

- a. Identification of Offeror that will have contractual responsibility with the Authority. Identification shall include legal name of company, corporate address, telephone and fax number, and email address. Include name, title, address, email address, and telephone number of the contact person identified during period of proposal evaluation.
- b. Identification of all proposed subcontractors including legal name of company, contact person's name and address, phone number and fax number, and email address; relationship between Offeror and subcontractors, if applicable.
- c. Acknowledgement of receipt of all RFP addenda, if any.
- d. A statement to the effect that the proposal shall remain valid for a period of not less than 120 days from the date of submittal.
- e. Signature of a person authorized to bind Offeror to the terms of the proposal.
- f. Signed statement attesting that all information submitted with the proposal is true and correct.

#### **3. Technical Proposal**

##### **a. Qualifications, Related Experience and References of Offeror**

This section of the proposal should establish the ability of Offeror to satisfactorily perform the required work by reasons of: experience in performing work of a similar nature; demonstrated competence in the services to be provided; strength and stability of the firm; staffing

capability; work load; record of meeting schedules on similar projects; and supportive client references.

Offeror to:

- (1) Provide a brief profile of the firm, including the types of services offered; the year founded; form of the organization (corporation, partnership, sole proprietorship); number, size, and location of offices; and number of employees.
- (2) Provide a general description of the firm's financial condition and identify any conditions (e.g., bankruptcy, pending litigation, planned office closures, impending merger) that may impede Offeror's ability to complete the project.
- (3) Describe the firm's experience in performing work of a similar nature to that solicited in this RFP, and highlight the participation in such work by the key personnel proposed for assignment to this project.
- (4) Identify subcontractors by company name, address, contact person, telephone number, email, and project function. Describe Offeror's experience working with each subcontractor.
- (5) Identify all firms hired or retained to provide lobbying or advocating services on behalf of the Offeror by company name, address, contact person, telephone number and email address. This information is required to be provided by the Offeror immediately during the evaluation process, if a lobbyist or advocate is hired or retained.
- (6) Provide as a minimum three (3) references for the projects cited as related experience, and furnish the name, title, address, telephone number, and email address of the person(s) at the client organization who is most knowledgeable about the work performed. Offeror may also supply references from other work not cited in this section as related experience.

**b. Proposed Staffing and Project Organization**

This section of the proposal should establish the method, which will be used by the Offeror to manage the project, as well as identify key personnel assigned.

Offeror to:

- (1) Identify key personnel proposed to perform the work in the specified tasks and include major areas of subcontract work. Include the person's name, current location, proposed position for this project, current assignment, level of commitment to that assignment, availability for this assignment and how long each person has been with the firm.
- (2) Furnish brief resumes (not more than two [2] pages each) for the proposed Project Manager and other key personnel that includes education, experience, and applicable professional credentials.
- (3) Indicate adequacy of labor resources utilizing a table that, at a minimum, identifies the following information: a) the individual project tasks; b) specify who would perform them; and c) the number of hours anticipated for each member of the project staff.
- (4) Include a project organization chart, which clearly delineates communication/reporting relationships among the project staff.
- (5) Include a statement that key personnel will be available to the extent proposed for the duration of the project acknowledging that no person designated as "key" to the project shall be removed or replaced without the prior written concurrence of the Authority.

**c. Work Plan**

Offeror should provide a narrative, which addresses the Scope of Work, and shows Offeror's understanding of Authority's needs and requirements.

Offeror to:

- (1) Describe the approach to completing the tasks specified in the Scope of Work. The approach to the work plan shall be of such detail to demonstrate the Offeror's ability to accomplish the project objectives and overall schedule.
- (2) Outline sequentially the activities that would be undertaken in completing the tasks and specify who would perform them.
- (3) Furnish a project schedule, if applicable, for completing the tasks in terms of elapsed weeks.

- (4) Identify methods that Offeror will use to ensure quality control, as well as budget and schedule control for the project.
- (5) Identify any special issues or problems that are likely to be encountered in this project and how the Offeror would propose to address them.
- (6) Offeror is encouraged to propose enhancements or procedural or technical innovations to the Scope of Work that do not materially deviate from the objectives or required content of the project.

**d. Exceptions/Deviations**

State any technical and/or contractual exceptions and/or deviations from the requirements of this RFP, including the Authority's technical requirements and contractual terms and conditions set forth in the Scope of Work (Exhibit A) and Proposed Agreement (Exhibit C), using the form entitled "Proposal Exceptions and/or Deviations" included in this RFP. This Proposal Exceptions and/or Deviations form (Exhibit F) must be included in the original proposal submitted by the Offeror. If no technical or contractual exceptions and/or deviations are submitted as part of the original proposal, Offerors are deemed to have accepted the Authority's technical requirements and contractual terms and conditions set forth in the Scope of Work (Exhibit A) and Proposed Agreement (Exhibit C). Offerors will not be allowed to submit the Proposal Exceptions and/or Deviations form (Exhibit F) or any technical and/or contractual exceptions after the proposal submittal date identified in the RFP. Exceptions and/or deviations submitted after the proposal submittal date will not be reviewed by Authority.

All exceptions and/or deviations will be reviewed by the Authority and will be assigned a "pass" or "fail" status. Exceptions and deviations that "pass" do not mean that the Authority has accepted the change but that it is a potential negotiable issue. Exceptions and deviations that receive a "fail" status means that the requested change is not something that the Authority would consider a potential negotiable issue. Offerors that receive a "fail" status on their exceptions and/or deviations will be notified by the Authority and will be allowed to retract the exception and/or deviation and continue in the evaluation process. Any exceptions and/or deviation that receive a "fail" status and the Offeror cannot or does not retract the requested change may result in the firm being eliminated from further evaluation.

#### **4. Cost and Price Proposal**

As part of the cost and price proposal, the Offeror shall submit proposed pricing to provide the services for each work task described in Exhibit A, Scope of Work. It is anticipated that the Authority will issue a firm-fixed price contract specifying firm-fixed prices for individual tasks.

#### **5. Appendices**

Information considered by Offeror to be pertinent to this project and which has not been specifically solicited in any of the aforementioned sections may be placed in a separate appendix section. Offerors are cautioned, however, that this does not constitute an invitation to submit large amounts of extraneous materials. Appendices should be relevant and brief.

### **B. FORMS**

#### **1. Status of Past and Present Contracts Form**

Offeror shall complete and sign the form entitled "Status of Past and Present Contracts" provided in this RFP and submit as part of its proposal. Offeror shall identify the status of past and present contracts where the firm has either provided services as a prime vendor or a subcontractor during the past five (5) years in which the contract has been the subject of or may be involved in litigation with the contracting authority. This includes, but is not limited to, claims, settlement agreements, arbitrations, administrative proceedings, and investigations arising out of the contract. Offeror shall have an ongoing obligation to update Authority with any changes to the identified contracts and any new litigation, claims, settlement agreements, arbitrations, administrative proceedings, or investigations that arise subsequent to the submission of Offeror's proposal.

A separate form must be completed for each identified contract. Each form must be signed by the Offeror confirming that the information provided is true and accurate.

#### **2. Proposal Exceptions and/or Deviations Form**

Offerors shall complete the form entitled "Proposal Exceptions and/or Deviations" provided in this RFP and submit it as part of the original proposal. For each exception and/or deviation, a new form should be used, identifying the exception and/or deviation and the rationale for requesting the change. Exceptions and/or deviations submitted after the proposal submittal date will not be reviewed nor considered by the Authority.

**SECTION III: EVALUATION AND AWARD**

### **SECTION III. EVALUATION AND AWARD**

#### **A. EVALUATION CRITERIA**

The Authority will evaluate the offers received based on the following criteria:

- 1. Qualifications of the Firm 25%**  
 Technical experience in performing work of a closely similar nature; strength and stability of the firm; strength, stability, experience, and technical competence of subcontractors; assessment by client references.
- 2. Staffing and Project Organization 25%**  
 Qualifications of project staff, particularly key personnel and especially the Project Manager; key personnel's level of involvement in performing related work cited in "Qualifications of the Firm" section; logic of project organization; adequacy of labor commitment; concurrence in the restrictions on changes in key personnel.
- 3. Work Plan 30%**  
 Depth of Offeror's understanding of Authority's requirements and overall quality of work plan; logic, clarity and specificity of work plan; appropriateness of resource allocation among the tasks; reasonableness of proposed schedule; utility of suggested technical or procedural innovations.
- 4. Cost and Price 20%**  
 Reasonableness of the total price as well as the individual tasks; competitiveness with other offers received; adequacy of data in support of figures quoted.

#### **B. EVALUATION PROCEDURE**

An evaluation committee will be appointed to review all proposals received for this RFP. The committee is comprised of Authority staff and may include outside personnel. The committee members will evaluate the written proposals using criteria identified in Section III A. A list of top-ranked proposals, firms within a competitive range, will be developed based upon the totals of each committee members' score for each proposal.

During the evaluation period, the Authority may interview some or all of the proposing firms. The Authority has established April 16, 2024, as the date to conduct interviews. All prospective Offerors are asked to keep this date available. No other interview dates will be provided, therefore, if an Offeror is unable to attend

the interview on this date, its proposal may be eliminated from further discussion. The interview may consist of a short presentation by the Offeror after which the evaluation committee will ask questions related to the firm's proposal and qualifications.

At the conclusion of the proposal evaluations, the evaluation committee will score the proposals to develop a competitive range. Offerors remaining within the competitive range may be asked to submit a Best and Final Offer (BAFO). In the BAFO request, the firms may be asked to provide additional information, confirm or clarify issues and submit a final cost/price offer. A deadline for submission will be stipulated.

At the conclusion of the evaluation process, the evaluation committee will recommend to Authority's management the Offeror whose proposal is most advantageous to the Authority.

**C. AWARD**

The Authority may negotiate contract terms with the selected Offeror prior to award, and expressly reserves the right to negotiate with several Offerors simultaneously and, thereafter, to award a contract to the Offeror offering the most favorable terms to the Authority.

The Authority reserves the right to award its total requirements to one Offeror or to apportion those requirements among several Offerors as the Authority may deem to be in its best interest. In addition, negotiations may or may not be conducted with Offerors; therefore, the proposal submitted should contain Offeror's most favorable terms and conditions, since the selection and award may be made without discussion with any Offeror.

The selected Offeror will be required to submit to the Authority's Accounting department a current IRS W-9 form prior to commencing work.

**D. NOTIFICATION OF AWARD AND DEBRIEFING**

Offerors who submit a proposal in response to this RFP shall be notified via CAMM NET of the contract award. Such notification shall be made within three (3) business days of the date the contract is awarded.

Offerors who were not awarded the contract may obtain a debriefing concerning the strengths and weaknesses of their proposal. Unsuccessful Offerors, who wish to be debriefed, must request the debriefing in writing or electronic mail and the Authority must receive it within three (3) business days of notification of the contract award.

**EXHIBIT A: SCOPE OF WORK**

## **SCOPE OF WORK**

### **Microsimulation Model Development for Harbor Boulevard**

The Orange County Transportation Authority (OCTA) is seeking a qualified consultant (hereinafter referred to as the “CONSULTANT”) to develop calibrated multi-modal microsimulation models along Harbor Boulevard (approximately 12 miles) between the Fullerton Transportation Center (FTC) in the City of Fullerton and the OCTA Santa Ana Base in the City of Santa Ana (hereinafter referred to as the “Project”).

The Project shall analyze key aspects of current traffic operations along the Project corridor using microsimulation models, with particular focus on improving bus operations such as safety, travel time, and travel time reliability. The primary objectives include:

- Identify a range of bus speed strategies using transit signal priority (TSP) and bus rapid transit (BRT) treatments.
- Develop and simulate three (3) Project alternatives reflecting low, medium, and high investment levels.
- Quantify the estimated costs and service performance improvements for each Project alternative.

The Project is to be completed in tandem with the Harbor Boulevard Pilot Innovative Transit Signal Priority Study (TSP Pilot Study). The TSP Pilot Study focuses on evaluating detection and TSP solutions along the same Project corridor and deploying proof-of-concept over a smaller prototype area within the Project corridor. It is intended for the Project to advance as closely parallel with the TSP Pilot Study as feasible.

### **Project Study Area and Special Considerations**

OCTA operates several bus routes along Harbor Boulevard. This Project focuses on Routes 43 and Bravo! 543. The two (2) routes combined average over ten thousand (10,000) boardings daily, encompassing nearly eight percent (8%) of all OCTA bus ridership. The routes are described below and shown in Attachment A.

- Route 43: This route traverses Harbor Boulevard, starting from the FTC and heading south through the Cities of Fullerton, Anaheim, Garden Grove, Santa Ana, Fountain Valley, and culminating near Triangle Square in the City of Costa Mesa. It connects major attractions such as Disneyland, the Anaheim Convention Center, and South Coast Metro.
- Route 543: Dubbed the "Bravo!" edition of Route 43, this limited-stop service provides a swifter commute with fewer stops. Although it does not cover the same distance as Route 43, its reduced stops and increased frequency ensure a quicker trip.

The Project study area includes the entirety of the OCTA Harbor Boulevard Bravo! 543 Route from the OCTA Santa Ana Base at MacArthur Boulevard and Hyland Avenue in the City of Santa Ana to the Fullerton Transit Center (FTC) at Commonwealth Avenue and Pomona Avenue in the City of Fullerton, approximately twelve (12) miles, as shown in Attachment A. The study area also includes key crossing arterials to the extent (to be determined by the CONSULTANT) that could influence study outcome.

OCTA has traditionally developed microsimulation models utilizing Caliper’s TransModeler (TransModeler) for its ability to integrate with Caliper’s TransCAD, the platform which the

Orange County Transportation Analysis Model (OCTAM) is built on. For this Project, the CONSULTANT may elect to develop the microsimulation models using the latest version of TransModeler or PTV Vissim (VISSIM). The CONSULTANT shall provide justification and benefits of their choice of modeling software to fulfill the Project's requirements. The CONSULTANT shall clearly demonstrate how the selected software will offer advantages and benefits in the context of Project-specific features including, but not limited to, transit signal priority and bus rapid transit treatments.

The Project is expected to be completed within fifteen (15) months post contract award.

### **TASK 1: PROJECT MANAGEMENT AND COORDINATION WITH TSP PILOT STUDY**

This task focuses on project management and coordination with the Harbor Boulevard Pilot Innovative Transit Signal Priority Study (TSP Pilot Study) to ensure the Project meets its objectives, milestone, and deliverable deadlines.

#### **Task 1.1: Project Management and Administration**

The CONSULTANT Project Manager shall provide overall project management, coordination, and supervision of project staff to facilitate the performance of Project tasks. Tasks shall include, but not be limited to, tracking, managing, and delivery of all project milestones, deliverables, and critical path activities to ensure punctual and integrated production of all Project tasks.

A project kick-off meeting shall be held soon after contract execution to review project objectives and requirements, receive initial information from agencies, establish communication plans and protocols, and address other issues as necessary to ensure successful project initiation. The CONSULTANT shall submit a draft Project schedule within ten (10) calendar days following contract execution. Upon approval by OCTA, the schedule shall become the Project Baseline Schedule. Thereafter, the CONSULTANT shall submit monthly progress reports to include updates on schedule, work effort, deliverables, key milestones, earned value, and upcoming efforts. The report shall also include any anticipated or ongoing challenges or risks that may affect schedule, scope, and budget. The reports shall be submitted no later than the 14<sup>th</sup> calendar day of the month following the month being reported and provide the necessary information to facilitate invoice review and approval.

A project development team (PDT) shall be established. Members of the PDT shall be determined in coordination with OCTA. The CONSULTANT shall host monthly PDT meetings and prepare all meeting materials including agendas, PowerPoint presentations, meeting notes, and maintaining an action item list with clear party responsibilities. Microsoft Teams shall be used for virtual meetings, electronic file transfers, and document reviews between the CONSULTANT and OCTA. In-person meeting(s) may be conducted as required.

#### **Task 1.2: Coordination with Concurrent Study**

The CONSULTANT shall maintain close coordination with the TSP Pilot Study which will run concurrently with this Project. The TSP Pilot Study shall develop an implementation plan containing centralized TSP approach and strategies along the Project corridor through assessment of existing conditions, evaluation of TSP and detection solutions, and deployment of proof-of-concept in a prototype area.

Key components of this subtask include:

1. Collaborate with the TSP Pilot study team to integrate all relevant insights and findings into model developments.
2. Coordinate efforts on data collection and stakeholder engagements which may include, but is not limited to, regular coordination meetings or combined PDT meetings.
3. Engage with key stakeholders and ensure the proposed Project alternatives are aligned with the goals and recommendations of the TSP Pilot Study.
4. Provide the TSP Pilot Study team with relevant feedback from modeling results.
5. Collect documentation on strategies and elements from the TSP Pilot Study to be included in the Project alternatives.

**Task 1 Deliverables:**

- Project Baseline Schedule
- Monthly Progress Reports and Invoices
- Monthly PDT Meetings and meeting materials
- TSP Pilot Study Coordination Memo

**TASK 2: EXISTING CONDITIONS ANALYSIS**

The purpose of this task is to establish and evaluate Project baseline by collecting the required data to develop microsimulation models for existing conditions.

**Task 2.1: Data Collection**

The CONSULTANT shall collect any data required to support the development of microsimulation models. The models shall reflect morning and evening peak periods in both northbound and southbound directions as well as cross traffic operations. The CONSULTANT shall determine the length of the peak periods. The data collected shall be adequate to:

- Develop existing microsimulation model networks
- Develop accurate trip tables for existing conditions
- Calibrate and validate microsimulation models

The data shall include all prevalent modes (i.e. pedestrians, bicycles, bus, and vehicles) and may comprise of, but is not restricted to, turning movement counts, travel times, speed, roadway geometrics, and signal timing. Data pertaining to bus operations such as schedule, ridership, and dwell time (boarding/alighting) shall be considered. The General Transit Feed Specification (GTFS) data for OCTA buses are uploaded to the Swiftly data engine and may be requested from OCTA as needed. The CONSULTANT shall ingest data from all available sources which may include manual and/or video collection, field observations, agency/local jurisdiction requests, big data, or other CONSULTANT-sourced data. The CONSULTANT shall be responsible for obtaining signal timing plans from local agencies and other sources as needed. OCTA shall provide access to OCTAM to help develop the simulation networks, model outputs, and their corresponding trip tables, as requested.

Existing data collected as part of the TSP Pilot Study or other concurrent OCTA studies can be made available for use on this Project, which may include the following:

- 1) Existing timing charts/sheets including current coordination plans, traffic as-built drawings, and special intersection signal operations.
- 2) Signal timing and signal priority preferences for local jurisdictions along the Project corridor.
- 3) Existing or historic counts, including average daily traffic (ADT) and multimodal turning movement counts, along the Project corridor for weekday and weekend peak periods.

## **Task 2.2: Existing Microsimulation Model Development**

The existing conditions microsimulation models shall encompass all transportation modes prevalent on the Project corridor. Cross traffic at all key intersections shall be considered to the extent that is reasonable and feasible. The models shall include all bus routes on the Project corridor and key crossing arterials that could influence study outcome. Note that subsequent tasks will focus on identifying and quantifying enhancements specifically for OCTA Routes 43 and 543.

The microsimulation models shall include the following components:

1. Network: the model network shall represent the entire Project study area and include the following elements at a minimum:
  - General purpose lanes
  - Turning and storage lanes
  - Bicycle lanes
  - Sidewalks and pedestrian crossings
  - Bus stops and bus turnouts
  - Traffic signals with timing
  - Ramp metering (where applicable)
  - Other vital transport elements
2. Traffic Demand: the CONSULTANT shall develop the methodology to create accurate trip tables for the models to reflect observed traffic conditions. The following shall be considered:
  - Morning and evening peak periods for both northbound and southbound directions.
  - Origin-destination patterns and traffic demand for vehicles, pedestrians, bicyclists, buses, and bus riders.

The microsimulation models shall be calibrated and validated using field-observed data to ensure their accuracy and reliability abiding by recognized statistical tests and model performance measures. This will involve adjusting model parameters to closely match observed traffic conditions, bus operations, pedestrian movements, and bicycle flows.

As part of the validation effort, CONSULTANT shall ensure the microsimulation models can adequately account for travel time improvements across various scenarios to be developed in subsequent tasks, such as changes in lane configurations, signal timings, and/or changes to transit services. This will allow for a comprehensive understanding of potential impacts and benefits of proposed changes along the corridor. The microsimulation models shall be able to summarize and report on the different metrics within the study area across all modes to the extent possible.

The microsimulation models shall come with visualization tools that allow for the dynamic representation of traffic flow, pedestrian movements, and other modal interactions. These may take the form of animations or heat maps, providing a visual representation of traffic flow and transit operations. Additionally, they shall have robust reporting capabilities to extract detailed performance metrics, summaries, and insights.

The CONSULTANT shall ensure that the development of the microsimulation models is well-documented including calibration/validation findings and graphic representations. Once the models are developed, they shall be presented to OCTA staff for review and feedback. Any necessary revisions based on the feedback shall be promptly incorporated. The final microsimulation models shall be delivered to OCTA along with a technical memo and a presentation.

### **Task 2.3: Mobility Analysis**

Using the models developed in Task 2.2, the CONSULTANT shall analyze the results using standard performance metrics to establish an existing conditions baseline and identify any existing mobility challenges.

The CONSULTANT shall identify any existing queueing and bottlenecks, segments experiencing delays, and any other operational issues across all travel modes. Special attention shall be given to locations where OCTA buses, including both the vehicle itself and its riders, encounter significant delays due to traffic conditions. The CONSULTANT shall also identify any areas or traffic lanes with excess capacity that could become potential candidates for conversion into dedicated bus lanes or queue jump lanes. Factors such as safety, the impact on other vehicles, and the potential rise in bus ridership shall be considered.

Results of the mobility analysis shall be documented in a technical memo including visual aids such as maps or animation to effectively communicate the existing conditions.

#### **Task 2 Deliverables:**

- Data Collection Technical Memo
- Existing Conditions Mobility Analysis Memo
- Microsimulation Model Development Memo and Presentation
- Existing conditions microsimulation models
- All project data (in electronic format)

### **TASK 3: PROJECT DEVELOPMENT**

This task shall focus on incorporating findings from Task 2 to identify design enhancement and develop Project investment alternatives with corresponding microsimulation models.

#### **Task 3.1: Design Enhancement Identification**

Based on Task 2 findings, the CONSULTANT shall formulate a list of potential TSP and BRT enhancements, categorized by location and accompanied by planning-level cost estimates. Recommendations might encompass the introduction of TSP, bus lanes, queue jump lanes, mobility hubs, bike lanes, combined bus-bike lanes, modifications to bus stop placements, traffic signal prioritization for buses, and other infrastructural modifications.

The recommendations shall offer a spectrum of enhancements by location, which shall be grouped into low, medium, and high investment alternatives in the following task. Note that the proposed enhancements may be conceptual in nature but shall encompass a range of infrastructure modifications. The CONSULTANT can utilize the previously developed model to evaluate the feasibility of these improvements. Document the proposed enhancements and their associated cost estimates in a Design Enhancement Identification Memo including visual aids (i.e. maps, charts, and graphs).

### **Task 3.2: Project Investment Alternatives**

Develop a minimum of three (3) alternatives consisting of low, medium, and high investment levels that can address the unique challenges and opportunities of the Project corridor. The CONSULTANT shall use the Mobility Analysis Memo from Task 2.3 and Design Enhancement Identification Memo from Task 3.1 as the foundation of alternatives development. The three (3) alternatives shall broadly consist of the following:

- Low Investment – Comprehensive TSP Improvements: this alternative shall focus on the deployment of a robust TSP system with strategies specifically tailored for Route 543, aiming to streamline traffic flow and enhance bus transit efficiency.
- Medium Investment – Comprehensive TSP and Select BRT Improvements: building upon the low-investment alternative, this alternative shall include advanced BRT geometric design modifications with the goal to bolster bus speeds and ensure reliable transit service, particularly for Routes 43 and 543.
- High Investment – Comprehensive TSP and Enhanced BRT Improvements: this alternative shall emphasize a full-scale bus service enhancement with integrated TSP system and a suite of BRT geometric design improvements to maximize transit efficiency and overall user experience.

The CONSULTANT shall utilize design sketches, maps, graphics, and other visual aids to map the alternatives. Additionally, for each of the Project alternatives, the following planning level information shall be identified:

- Cost estimates
- Level of efforts including implementation schedule
- Potential risks and challenges

The CONSULTANT shall ensure adequate coordination with the TSP Pilot Study project team throughout the development of the alternatives.

### **Task 3.3: Alternatives Model Development and Mobility Analysis**

To provide a deeper understanding of the potential impacts and benefits of the three (3) investment alternatives, the CONSULTANT shall develop microsimulation models for each investment alternative as defined in Task 3.2. The models shall build on the existing conditions models developed in Task 2.2 and shall simulate traffic flow, bus operation efficiency, and overall mobility within the study area. The CONSULTANT shall ensure accurate representation of the proposed TSP systems, BRT enhancements, and other design enhancements.

Upon analyzing the results, the CONSULTANT shall assess various factors including traffic flow, bus transit efficiency, delay reductions, and other pivotal performance metrics for each investment alternative. Visual outputs such as video animations or heat maps shall be generated from the microsimulation models providing a visualization of traffic flow and transit operations corresponding to unique features of each alternative. High-level benefit-cost ratios shall be formulated by integrating the previously determined planning-level costs with the benefits identified in this task. All findings, analyses, and visual presentations shall be compiled to produce a comprehensive Project Alternatives Microsimulation Memo.

### **Task 3.4: Next Steps**

The CONSULTANT shall outline the next steps needed in the form of a technical memo to further develop TSP and BRT measures along Harbor Boulevard, including a recommended set of improvements accompanied by implementation plans. The implementation plans shall include the following components:

- Identify upcoming opportunities and potential funding sources
- Pinpoint risks and challenges
- Identify required coordination with related studies
- Provide implementation schedule

This comprehensive approach ensures that OCTA receives a detailed roadmap for future initiatives, keeping them well-informed about necessary resources and expected timelines.

### **Task 3 Deliverables:**

- Design Enhancement Identification Memo
- Project Alternatives Microsimulation Memo
- Recommendations and Implementation Plan Memo
- Microsimulation models for three (3) investment alternatives
- All project data (in electronic format)

## **TASK 4: FINAL REPORT AND PRESENTATION**

The CONSULTANT shall deliver a draft and final report with an executive summary that combines the outputs from all Project tasks.

The report shall also include a user guide for the microsimulation model. The CONSULTANT shall develop and conduct training on the development, execution, and modification of the microsimulation model for OCTA staff. The training may be online or in-person.

A PowerPoint presentation of findings shall be developed to summarize model development, project alternatives, mobility analysis results, and recommendations. The presentation shall include images and videos from the simulation allowing for an informative and engaging understanding of the effort.

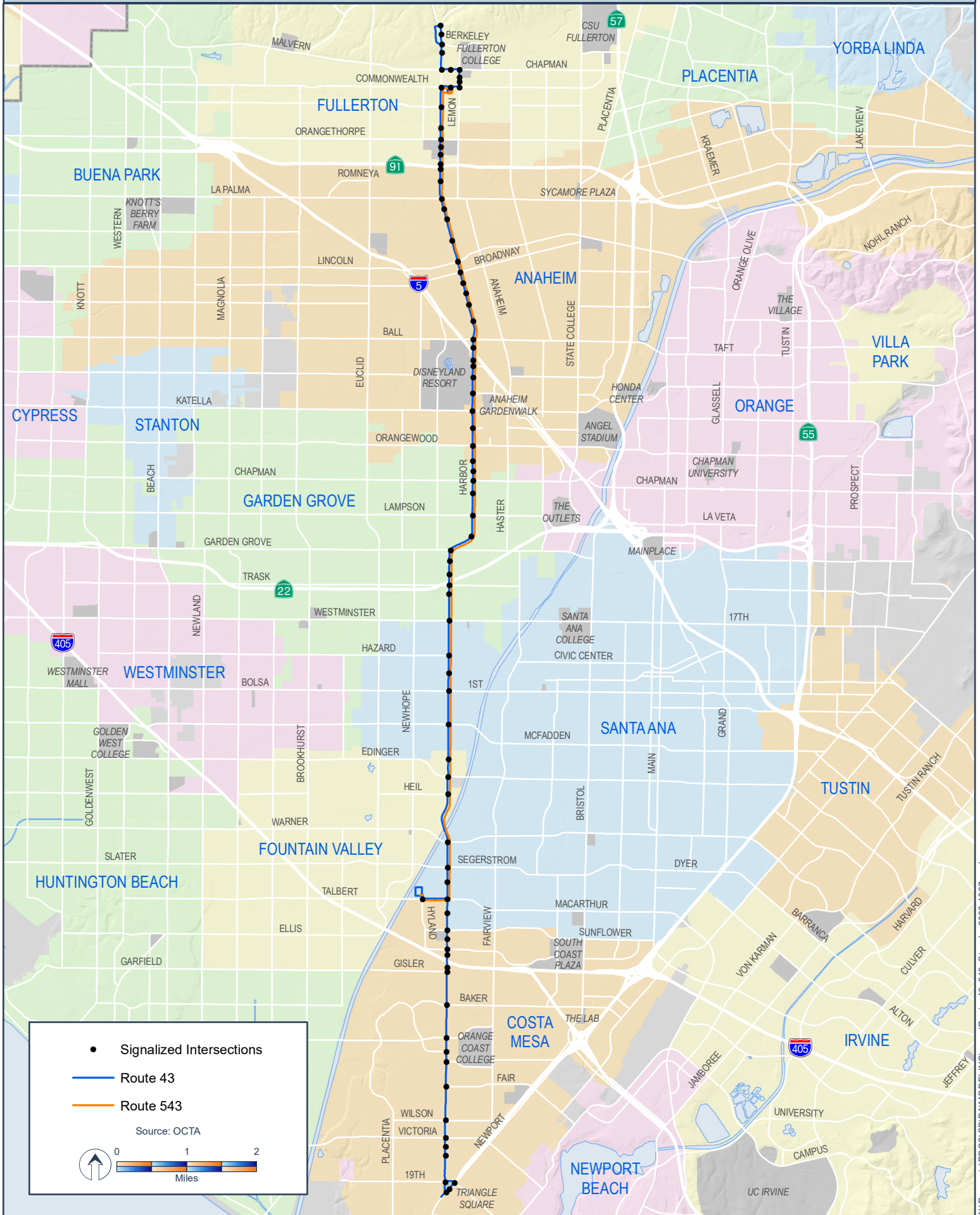
### **Task 4 Deliverables:**

- Draft Report for Harbor Boulevard Microsimulation
- Final Report for Harbor Boulevard Microsimulation
- Microsimulation Model User Guide and Training
- Final Presentation with Videos

**LIMITATION ON GOVERNMENTAL DECISIONS**

Nothing contained in this scope of work permits the Consultant's personnel to authorize or direct any actions, votes, appoint any person, obligate, or commit OCTA to any course of action or enter into any contractual agreement on behalf of OCTA. In addition, Consultant's personnel shall not provide information, an opinion, or a recommendation for the purpose of affecting a decision without significant intervening substantive review by OCTA personnel, counsel, and management.

# Harbor Blvd. Routes 43 and 543



**EXHIBIT B: PRICE SUMMARY SHEET**

**PRICE SUMMARY SHEET**

Enter below the proposed price for each of the tasks described in Exhibit A – Scope of Work. Prices shall include direct costs, indirect costs, and profits. The Authority's intention is to award a firm-fixed price contract for a fifteen (15)-month term.

<b>Task</b>	<b>Description</b>	<b>Firm-Fixed Price</b>
1.1	Project Management and Administration	\$ _____
1.2	Coordination with Concurrent Study	\$ _____
2.1	Data Collection	\$ _____
2.2	Existing Microsimulation Model Development	\$ _____
2.3	Mobility Analysis	\$ _____
3.1	Design Enhancement Identification	\$ _____
3.2	Project Investment Alternatives	\$ _____
3.3	Alternatives Model Development and Mobility Analysis	\$ _____
3.4	Next Steps	\$ _____
4	Final Report and Presentation	\$ _____
	<b>Total Firm-Fixed Price</b>	<b>\$ _____</b>

The undersigned, upon acceptance, agrees to provide the service in accordance with the terms, conditions, and requirements as contained in RFP 4-2119 and the supporting documents for all prices proposed.

1. I acknowledge receipt of RFP 4-2119 and Addenda No.(s) \_\_\_\_\_

2. This offer shall remain firm for \_\_\_\_\_ days from the date of proposal  
(Minimum 120)

COMPANY NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

TELEPHONE

---

EMAIL ADDRESS

---

SIGNATURE OF PERSON  
AUTHORIZED TO BIND OFFEROR

---

NAME AND TITLE OF PERSON  
AUTHORIZED TO BIND OFFEROR

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DATE SIGNED

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**EXHIBIT C: PROPOSED AGREEMENT**

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**PROPOSED AGREEMENT NO. C-4-2119**

**BETWEEN**

**ORANGE COUNTY TRANSPORTATION AUTHORITY**

**AND**

\_\_\_\_\_

**THIS AGREEMENT** is effective this \_\_\_\_ day of \_\_\_\_\_, 2024 ("Effective Date"), by and between the Orange County Transportation Authority, 550 South Main Street, P.O. Box 14184, Orange, California 92863-1584, a public corporation of the State of California (hereinafter referred to as "AUTHORITY"), and , , , , (hereinafter referred to as "CONSULTANT").

**WITNESSETH:**

**WHEREAS**, AUTHORITY requires assistance from CONSULTANT to develop calibrated multi-modal microsimulation models along Harbor Boulevard; and

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

**WHEREAS**, CONSULTANT has represented that it has the requisite personnel and experience, and is capable of performing such services; and

**WHEREAS**, CONSULTANT wishes to perform these services.

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

**ARTICLE 1. COMPLETE AGREEMENT**

A. This Agreement, including all exhibits and documents incorporated herein and made applicable by reference, constitutes the complete and exclusive statement of the terms and conditions of this Agreement between AUTHORITY and CONSULTANT 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 CONSULTANT's performance of any terms or conditions of this Agreement shall not be construed as a waiver or

**EXHIBIT C**

1 relinquishment of AUTHORITY's right to such performance or to future performance of such terms or  
2 conditions and CONSULTANT's obligation in respect thereto shall continue in full force and effect.  
3 Changes to any portion of this Agreement shall not be binding upon AUTHORITY except when  
4 specifically confirmed in writing by an authorized representative of AUTHORITY by way of a written  
5 amendment to this Agreement and issued in accordance with the provisions of this Agreement.

**ARTICLE 2. AUTHORITY DESIGNEE**

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

**ARTICLE 3. SCOPE OF WORK**

10 A. CONSULTANT shall perform the work necessary to complete in a manner satisfactory to  
11 AUTHORITY the services set forth in Exhibit A, entitled "Scope of Work," attached to and, by this  
12 reference, incorporated in and made a part of this Agreement. All services shall be provided at the times  
13 and places designated by AUTHORITY.

14 B. CONSULTANT shall provide the personnel listed below to perform the above-specified  
15 services, which persons are hereby designated as key personnel under this Agreement.

**Names****Functions**

17  
18  
19  
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21 C. No person named in paragraph B of this Article, or his/her successor approved by  
22 AUTHORITY, shall be removed or replaced by CONSULTANT, nor shall his/her agreed-upon function or  
23 level of commitment hereunder be changed, without the prior written consent of AUTHORITY. Should  
24 the services of any key person become no longer available to CONSULTANT, the resume and  
25 qualifications of the proposed replacement shall be submitted to AUTHORITY for approval as soon as  
26 possible, but in no event later than seven (7) calendar days prior to the departure of the incumbent key

person, unless CONSULTANT is not provided with such notice by the departing employee. AUTHORITY shall respond to CONSULTANT within seven (7) calendar days following receipt of these qualifications concerning acceptance of the candidate for replacement.

#### **ARTICLE 4. TERM OF AGREEMENT**

This Agreement shall commence upon execution by both parties and shall continue in full force and effect through \_\_\_\_\_, unless earlier terminated or extended as provided in this Agreement.

#### **ARTICLE 5. PAYMENT**

A. For CONSULTANT's full and complete performance of its obligations under this Agreement and subject to the maximum cumulative payment obligation provisions set forth in Article 6, AUTHORITY shall pay CONSULTANT on a firm-fixed price basis in accordance with the following provisions.

B. The following schedule shall establish the firm-fixed payment to CONSULTANT by AUTHORITY for each work task set forth in the Scope of Work. The schedule shall not include any CONSULTANT expenses not approved by AUTHORITY, including, but not limited to reimbursement for local meals.

<u>Tasks</u>	<u>Description</u>	<u>Firm-Fixed Price</u>
1.1	Project Management and Administration	\$ .00
1.2	Coordination with Concurrent Study	\$ .00
2.1	Data Collection	\$ .00
2.2	Existing Microsimulation Model Development	\$ .00
2.3	Mobility Analysis	\$ .00
3.1	Design Enhancement Identification	\$ .00
3.2	Project Investment Alternatives	\$ .00
3.3	Alternatives Model Development and Mobility Analysis	\$ .00
3.4	Next Steps	\$ .00
4	Final Report and Presentation	<u>\$ .00</u>
<b>TOTAL FIRM-FIXED PRICE PAYMENT</b>		<b><u>\$ .00</u></b>

## EXHIBIT C

1 C. CONSULTANT shall invoice AUTHORITY on a monthly basis for payments corresponding to  
2 the work actually completed by CONSULTANT. Percentage of work completed shall be documented in  
3 a monthly progress report prepared by CONSULTANT, which shall accompany each invoice submitted  
4 by CONSULTANT. CONSULTANT shall also furnish such other information as may be requested by  
5 AUTHORITY to substantiate the validity of an invoice. At its sole discretion, AUTHORITY may decline to  
6 make full payment for any task listed in paragraph B of this Article until such time as CONSULTANT has  
7 documented to AUTHORITY's satisfaction, that CONSULTANT has fully completed all work required  
8 under the task. AUTHORITY's payment in full for any task completed shall not constitute AUTHORITY's  
9 final acceptance of CONSULTANT's work under such task; final acceptance shall occur only when  
10 AUTHORITY's release of the retention described in paragraph D.

11 D. As partial security against CONSULTANT's failure to satisfactorily fulfill all of its obligations  
12 under this Agreement, AUTHORITY shall retain ten percent (10%) of the amount of each invoice  
13 submitted for payment by CONSULTANT. All retained funds shall be released by AUTHORITY and shall  
14 be paid to CONSULTANT within sixty (60) calendar days of payment of final invoice, unless AUTHORITY  
15 elects to audit CONSULTANT's records in accordance with Article 16 of this Agreement. If AUTHORITY  
16 elects to audit, retained funds shall be paid to CONSULTANT within thirty (30) calendar days of  
17 completion of such audit in an amount reflecting any adjustment required by such audit. During the term  
18 of the Agreement, at its sole discretion, AUTHORITY reserves the right to release all or a portion of the  
19 retained amount based on CONSULTANT's satisfactory completion of certain milestones.  
20 CONSULTANT shall invoice AUTHORITY for the release of the retention in accordance with Article 5.

21 E. Invoices shall be submitted by CONSULTANT on a monthly basis and shall be submitted in  
22 duplicate to AUTHORITY's Accounts Payable office. CONSULTANT may also submit invoices  
23 electronically to AUTHORITY's Accounts Payable Department at [vendorinvoices@octa.net](mailto:vendorinvoices@octa.net). Each invoice  
24 shall be accompanied by the monthly progress report specified in paragraph C of this Article.  
25 AUTHORITY shall remit payment within thirty (30) calendar days of the receipt and approval of each  
26 invoice. Each invoice shall include the following information:

1. Agreement No. C-4-2119;
  2. Specify the task number for which payment is being requested;
  3. The time period covered by the invoice;
  4. Total monthly invoice (including project-to-date cumulative invoice amount);
- 5 retention;
5. Monthly Progress Report;
  6. Certification signed by the CONSULTANT or his/her designated alternate that a) The invoice is a true, complete and correct statement of reimbursable costs and progress; b) The backup information included with the invoice is true, complete and correct in all material respects; c) All payments due and owing to subcontractors and suppliers have been made; d) Timely payments will be made to subcontractors and suppliers from the proceeds of the payments covered by the certification and; e) The invoice does not include any amount which CONSULTANT intends to withhold or retain from a subcontractor or supplier unless so identified on the invoice.
  7. Any other information as agreed or requested by AUTHORITY to substantiate the validity of an invoice.

#### **ARTICLE 6. MAXIMUM OBLIGATION**

Notwithstanding any provisions of this Agreement to the contrary, AUTHORITY and CONSULTANT mutually agree that AUTHORITY's maximum cumulative payment obligation (including obligation for CONSULTANT's profit) shall be \_\_\_\_\_ Dollars (\$\_\_\_\_\_.00) which shall include all amounts payable to CONSULTANT for its subcontracts, leases, materials and costs arising from, or due to termination of, this Agreement.

#### **ARTICLE 7. 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 CONSULTANT:

To AUTHORITY:

Orange County Transportation Authority

550 South Main Street

P.O. Box 14184

Orange, CA 92863-1584

ATTENTION:

ATTENTION: Rhea Aninzo

Title:

Title: Associate Contract Administrator

Phone:

Phone: (714) 560-5650

Email:

Email: raninzo@octa.net

#### **ARTICLE 8. INDEPENDENT CONTRACTOR**

A. CONSULTANT's relationship to AUTHORITY in the performance of this Agreement is that of an independent contractor. CONSULTANT's personnel performing services under this Agreement shall at all times be under CONSULTANT's exclusive direction and control and shall be employees of CONSULTANT and not employees of AUTHORITY. CONSULTANT 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 and similar matters.

B. Should CONSULTANT's personnel or a state or federal agency allege claims against AUTHORITY involving the status of AUTHORITY as employer, joint or otherwise, of said personnel, or allegations involving any other independent contractor misclassification issues, CONSULTANT shall defend and indemnify AUTHORITY in relation to any allegations made.

#### **ARTICLE 9. INSURANCE**

A. CONSULTANT shall procure and maintain insurance coverage in full force and effect during the entire term of the Agreement. Coverage shall be full coverage and not subject to self-insurance provisions. CONSULTANT shall provide the following insurance coverage:

1. Commercial General Liability, to include Products/Completed Operations,

## EXHIBIT C

1 Independent Contractors', Contractual Liability, and Personal Injury Liability, and Property Damage with  
2 a minimum limit of \$1,000,000 per occurrence, \$2,000,000 general aggregate and \$2,000,000  
3 Products/Completed Operations aggregate;

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

6 3. Workers' Compensation with limits as required by the State of California including  
7 a Waiver of Subrogation in favor of AUTHORITY, its officers, directors and employees; and

8 4. Employers' Liability with minimum limits of \$1,000,000 per accident, \$1,000,000  
9 policy limit-disease, and \$1,000,000 policy limit employee-disease.

10 B. Proof of such coverage, in the form of a certificate of insurance and an insurance policy  
11 blanket additional insured endorsement, designating AUTHORITY, its officers, directors and employees  
12 as additional insureds on general liability and automobile liability, as required by Agreement. Proof of  
13 insurance coverage must be received by AUTHORITY within ten (10) calendar days from the effective  
14 date of the Agreement and prior to commencement of any work. Such insurance shall be primary and  
15 non-contributive to any insurance or self-insurance maintained by AUTHORITY. Furthermore,  
16 AUTHORITY reserves the right to request certified copies or review all related insurance policies, in  
17 response to a related loss.

18 C. CONSULTANT shall include on the face of the certificate of insurance the  
19 Agreement No. C-4-2119 and, the Associate Contract Administrator's Name, Rhea Aninzo.

20 D. CONSULTANT shall also include in each subcontract, the stipulation that subconsultants shall  
21 maintain insurance coverage in the amounts required of CONSULTANT as provided in the Agreement.  
22 Subconsultants will be required to include AUTHORITY as additional insureds on the Commercial  
23 General Liability, and Auto Liability insurance policies.

24 E. Insurer must provide AUTHORITY with at least thirty (30) days' prior notice of cancellation or  
25 material modification of coverage, and ten (10) days' prior notice for non-payment of premium.

26 /

**ARTICLE 10. ORDER OF PRECEDENCE**

Conflicting provisions hereof, if any, shall prevail in the following descending order of precedence:

(1) the provisions of this Agreement, including all exhibits; (2) the provisions of RFP 4-2119; (3) CONSULTANT's proposal dated \_\_\_\_\_; (4) all other documents, if any, cited herein or incorporated by reference.

**ARTICLE 11. CHANGES**

By written notice or order, AUTHORITY may, from time to time, order work suspension and/or make changes in the general scope of this Agreement, including, but not limited to, the services furnished to AUTHORITY by CONSULTANT as described in the Scope of Work. If any such work suspension or change causes an increase or decrease in the price of this Agreement, or in the time required for its performance, CONSULTANT 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 CONSULTANT from proceeding immediately with the Agreement as changed.

**ARTICLE 12. DISPUTES**

A. Except as otherwise provided in this Agreement, when a dispute arises between CONSULTANT and AUTHORITY, the project managers shall meet to resolve the issue. If project managers do not reach a resolution, the dispute will be decided by AUTHORITY's Director of Contracts Administration and Materials Management (CAMM), who shall reduce the decision to writing and mail or otherwise furnish a copy thereof to CONSULTANT. The decision of the Director, CAMM, shall be the final and conclusive administrative decision.

B. Pending final decision of a dispute hereunder, CONSULTANT shall proceed diligently with the performance of this Agreement and in accordance with the decision of AUTHORITY's Director, CAMM. Nothing in this Agreement, however, shall be construed as making final the decision of any AUTHORITY official or representative on a question of law, which questions shall be settled in accordance with the laws of the State of California.

**ARTICLE 13. TERMINATION**

A. AUTHORITY may terminate this Agreement for its convenience at any time, in whole or part, by giving CONSULTANT written notice thereof. Upon said notice, AUTHORITY shall pay CONSULTANT its allowable costs incurred to date of termination and those allowable costs determined by AUTHORITY to be reasonably necessary to effect such termination. Thereafter, CONSULTANT shall have no further claims against AUTHORITY under this Agreement.

B. In the event either Party defaults in the performance of any of their obligations under this Agreement or breaches any of the provisions of this Agreement, the non-defaulting Party shall have the option to terminate this Agreement upon thirty (30) days' prior written notice to the other Party. Upon receipt of such notice, CONSULTANT shall immediately cease work, unless the notice from AUTHORITY provides otherwise. Upon receipt of the notice from AUTHORITY, CONSULTANT shall submit an invoice for work and/or services performed prior to the date of termination. AUTHORITY shall pay CONSULTANT for work and/or services satisfactorily provided to the date of termination in compliance with this Agreement. Thereafter, CONSULTANT shall have no further claims against AUTHORITY under this Agreement. AUTHORITY shall not be liable for any claim of lost profits or damages for such termination.

**ARTICLE 14. INDEMNIFICATION**

A. CONSULTANT shall indemnify, defend and hold harmless AUTHORITY, its officers, directors, employees and agents (indemnities) from and against any and all claims (including attorneys' fees and reasonable expenses for litigation or settlement) for any loss or damages, bodily injuries, including death, damage to or loss of use of property caused by the negligent acts, omissions or willful misconduct by CONSULTANT, its officers, directors, employees, agents, subconsultants or suppliers in connection with or arising out of the performance of this Agreement.

**ARTICLE 15. ASSIGNMENTS AND SUBCONTRACTS**

A. Neither this Agreement nor any interest herein nor claim hereunder may be assigned by

**EXHIBIT C**

CONSULTANT either voluntarily or by operation of law, nor may all or any part of this Agreement be subcontracted by CONSULTANT, without the prior written consent of AUTHORITY. Consent by AUTHORITY shall not be deemed to relieve CONSULTANT of its obligations to comply fully with all terms and conditions of this Agreement.

B. If CONSULTANT wishes to subcontract any of the work described in Exhibit B, AUTHORITY must be given prior notification and must consent to CONSULTANT's subcontracting portions of the Scope of Work to the requested subconsultant(s). If AUTHORITY approves of the subconsultant, CONSULTANT shall include in the subcontract agreement the stipulation that CONSULTANT, not AUTHORITY, is solely responsible for payment to the subconsultant for the amounts owing and that the subconsultant shall have no claim, and shall take no action, against AUTHORITY, its officers, directors, employees or sureties for nonpayment by CONSULTANT.

**Subcontractor Name/Addresses****Subcontractor Amounts**

\$.00

\$.00

**ARTICLE 16. AUDIT AND INSPECTION OF RECORDS**

CONSULTANT shall provide AUTHORITY, or other agents of AUTHORITY, such access to CONSULTANT's accounting books, records, payroll documents and facilities, as AUTHORITY deems necessary. CONSULTANT 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 CONSULTANT's performance hereunder and for a period of four (4) years from the date of final payment by AUTHORITY. AUTHORITY's right to audit books and records directly related to this Agreement shall also extend to all first-tier subcontractors identified in Article 15 of this Agreement. CONSULTANT shall permit any of the foregoing parties to reproduce documents by any means whatsoever or to copy excerpts and transcriptions as reasonably necessary.

**ARTICLE 17. CONFLICT OF INTEREST**

A. CONSULTANT agrees to avoid organizational conflicts of interest. An organizational conflict

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

8 B. If AUTHORITY determines that CONSULTANT, its employees, or subconsultants are subject  
9 to disclosure requirements under the Political Reform Act (Government Code section 81000 et seq.),  
10 CONSULTANT and its required employees and subconsultants shall complete and file Statements of  
11 Economic Interest (Form 700) with AUTHORITY's Clerk of the Board disclosing all required financial  
12 interests.

#### 13 **ARTICLE 18. CODE OF CONDUCT**

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

#### 17 **ARTICLE 19. PROHIBITION ON PROVIDING ADVOCACY SERVICES**

18 CONSULTANT and all subconsultants performing work under this Agreement, shall be  
19 prohibited from concurrently representing or lobbying for any other party competing for a contract with  
20 AUTHORITY, either as a prime consultant or subconsultant. Failure to refrain from such  
21 representation may result in termination of this Agreement.

#### 22 **ARTICLE 20. FEDERAL, STATE AND LOCAL LAWS**

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

26 /

**ARTICLE 21. EQUAL EMPLOYMENT OPPORTUNITY**

In connection with its performance under this Agreement, CONSULTANT shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age or national origin. CONSULTANT 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 22. PROHIBITED INTERESTS**

CONSULTANT covenants that, for the term of this Agreement, no director, member, 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 23. 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 CONSULTANT'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 CONSULTANT 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. CONSULTANT shall comply with AUTHORITY's policies regarding such material. Nothing furnished to CONSULTANT, which is otherwise known to CONSULTANT or is or becomes generally known to the related industry shall be deemed confidential. CONSULTANT shall not use AUTHORITY's name, photographs of the project, or any other publicity pertaining to the project in

1 any professional publication, magazine, trade paper, newspaper, seminar or other medium without the  
2 express written consent of AUTHORITY.

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

8 **ARTICLE 24. PATENT AND COPYRIGHT INFRINGEMENT**

9 A. In lieu of any other warranty by AUTHORITY or CONSULTANT against patent or copyright  
10 infringement, statutory or otherwise, it is agreed that CONSULTANT shall defend at its expense any claim  
11 or suit against AUTHORITY on account of any allegation that any item furnished under this Agreement  
12 or the normal use or sale thereof arising out of the performance of this Agreement, infringes upon any  
13 presently existing U.S. letters patent or copyright and CONSULTANT shall pay all costs and damages  
14 finally awarded in any such suit or claim, provided that CONSULTANT is promptly notified in writing of  
15 the suit or claim and given authority, information and assistance at CONSULTANT's expense for the  
16 defense of same. However, CONSULTANT will not indemnify AUTHORITY if the suit or claim results  
17 from: (1) AUTHORITY's alteration of a deliverable, such that said deliverable in its altered form infringes  
18 upon any presently existing U.S. letters patent or copyright; or (2) the use of a deliverable in combination  
19 with other material not provided by CONSULTANT when such use in combination infringes upon an  
20 existing U.S. letters patent or copyright.

21 B. CONSULTANT shall have sole control of the defense of any such claim or suit and all  
22 negotiations for settlement thereof. CONSULTANT shall not be obligated to indemnify AUTHORITY  
23 under any settlement made without CONSULTANT's consent or in the event AUTHORITY fails to  
24 cooperate fully in the defense of any suit or claim, provided, however, that said defense shall be at  
25 CONSULTANT's expense. If the use or sale of said item is enjoined as a result of such suit or claim,  
26 CONSULTANT, at no expense to AUTHORITY, shall obtain for AUTHORITY the right to use and sell

1 said item, or shall substitute an equivalent item acceptable to AUTHORITY and extend this patent and  
2 copyright indemnity thereto.

3 **ARTICLE 25. FINISHED AND PRELIMINARY DATA**

4 A. All of CONSULTANT's finished technical data, including but not limited to illustrations,  
5 photographs, tapes, software, software design documents, including without limitation source code,  
6 binary code, all media, technical documentation and user documentation, photoprints and other graphic  
7 information required to be furnished under this Agreement, shall be AUTHORITY's property upon  
8 payment and shall be furnished with unlimited rights and, as such, shall be free from proprietary restriction  
9 except as elsewhere authorized in this Agreement. CONSULTANT further agrees that it shall have no  
10 interest or claim to such finished, AUTHORITY-owned, technical data; furthermore, said data is subject  
11 to the provisions of the Freedom of Information Act, 5 USC 552.

12 B. It is expressly understood that any title to preliminary technical data is not passed to  
13 AUTHORITY but is retained by CONSULTANT. Preliminary data includes roughs, visualizations,  
14 software design documents, layouts and comprehensives prepared by CONSULTANT solely for the  
15 purpose of demonstrating an idea or message for AUTHORITY's acceptance before approval is given  
16 for preparation of finished artwork. Preliminary data title and right thereto shall be made available to  
17 AUTHORITY if CONSULTANT causes AUTHORITY to exercise Article 13, and a price shall be  
18 negotiated for all preliminary data.

19 **ARTICLE 26. HEALTH AND SAFETY REQUIREMENT**

20 CONSULTANT shall comply with all the requirements set forth in Exhibit \_\_, Level 1 Safety  
21 Specifications.

22 **ARTICLE 27. LIMITATION ON GOVERNMENTAL DECISIONS**

23 CONSULTANT shall not make, participate in making, or use its position to influence any  
24 governmental decisions as defined by the Political Reform Act, Government Code section 8100 et seq.,  
25 and the implementing regulations in Title 2 of the California Code of Regulations section 18110 et seq.  
26 CONSULTANT's personnel performing services under this Agreement shall not authorize or direct any

actions, votes, appoint any person, obligate, or commit AUTHORITY to any course of action or enter into any contractual agreement on behalf of AUTHORITY. In addition, CONSULTANT's personnel shall not provide information, an opinion, or a recommendation for the purpose of affecting a decision without significant intervening substantive review by AUTHORITY personnel, counsel, and management.

**ARTICLE 28. 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.

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**ORANGE COUNTY TRANSPORTATION AUTHORITY**

By: \_\_\_\_\_

Georgia Martinez  
Department Manager, Contracts and Procurement

By: \_\_\_\_\_

James M. Donich  
General Counsel

**EXHIBIT D: STATUS OF PAST AND PRESENT CONTRACTS FORM**

**STATUS OF PAST AND PRESENT CONTRACTS FORM**

On the form provided below, Offeror/Bidder shall list the status of past and present contracts where the firm has either provided services as a prime vendor or a subcontractor during the past five (5) years in which the contract has been the subject of or may be involved in litigation with the contracting authority. This includes, but is not limited to, claims, settlement agreements, arbitrations, administrative proceedings, and investigations arising out of the contract.

A separate form must be completed for each contract. Offeror/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. Offeror/Bidder shall also provide a brief summary and the current status of the litigation, claims, settlement agreements, arbitrations, administrative proceedings, or investigations. If the contract was terminated, list the reason for termination.

Offeror/Bidder shall have an ongoing obligation to update the Authority with any changes to the identified contracts and any new litigation, claims, settlement agreements, arbitrations, administrative proceedings, or investigations that arise subsequent to the submission of the bid. Each form must be signed by an officer of the Offeror/Bidder confirming that the information provided is true and accurate.

<b>Project city/agency/other:</b>	
<b>Contact Name:</b>	<b>Phone:</b>
<b>Project Award Date:</b>	<b>Original Contract Value:</b>
<b>Term of Contract:</b>	
<b>(1) Litigation, claims, settlements, arbitrations, or investigations associated with contract:</b>	
<b>(2) Summary and Status of contract:</b>	
<b>(3) Summary and Status of action identified in (1):</b>	
<b>(4) Reason for termination, if applicable:</b>	

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

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

**EXHIBIT E: SAFETY SPECIFICATIONS**

## **LEVEL 1 HEALTH, SAFETY AND ENVIRONMENTAL SPECIFICATIONS**

### **PART I – GENERAL**

#### **1.1 GENERAL HEALTH, SAFETY & ENVIRONMENTAL REQUIREMENTS**

- A. The Contractor, its subcontractors, suppliers, and employees have the obligation to comply with all Authority health, safety and environmental compliance department (HSEC) requirements of this safety specification, project site requirements, bus yard safety rules, as well as all federal, state, and local regulations pertaining to scope of work, contracts or agreements with the Authority. 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 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 or its subcontractors may be cause for termination of scope or agreements with the Authority, at the sole discretion of the Authority.
- C. The health, safety, and environmental 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 planned and performed, and safe conditions shall be maintained during this work scope.
- D. The Authority Project Manager shall be responsible to ensure a safety orientation is conducted of known potential hazards and emergency procedures for all Contractor personnel, subcontractors, suppliers, vendors, and new employees assigned to the project prior to commencement of the project.
- E. The Contractor shall ensure that all Contractor vehicles, including those of its subcontractors, suppliers, vendors and employees are parked in designated parking areas, and comply with traffic routes, and posted traffic signs in areas other than the employee parking lots.
- F. California Code of Regulations (CCR) Title 8 Standards are minimum requirements; each Contractor is encouraged to exceed minimum requirements. When the Contractor's safety requirements exceed statutory standards, the more stringent requirements shall be applied for the safeguard of public and employees.

#### **1.2 REGULATORY**

- A. Injury/Illness Prevention Program  
The Contractor shall comply with CCR Title 8, Section with California Code of Regulations (CCR) Title 8, Section 3203. The intent and elements of the IIPP shall be implemented and enforced by the Contractor and its sub-tier

contractors, suppliers, and vendors. The program shall be provided to the Authority's Project Manager, upon request, within 72 hours.

**B. Substance Abuse Prevention Program**

Contractor shall comply with the Policy or Program of the Company's Substance Abuse Prevention Policy that complies with the most recent Drug Free Workplace Act. The program shall be provided to the Authority's Project Manager, upon request, within 72 hours.

**C. Heat Illness Prevention Program**

Contractor shall comply with CCR Title 8, Section, Section 3395, Heat Illness Prevention. The program shall be provided to the Authority's Project Manager, upon request, within 72 hours.

**D. Hazard Communication Program**

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 SDS for all applicable chemical products used, if any. The program shall be provided to the Authority's Project Manager, upon request, within 72 hours.

- a. All chemicals including paint, solvents, detergents and similar substances shall comply with South Coast Air Quality Management District (SCAQMD) rules 103, 1113, and 1171.

**E. Storm Water Pollution Prevention Plan**

The Contractor shall protect property and water resources from fuels and similar products throughout the duration of the contract. Contractor shall comply with Storm Water Pollution Prevention Plan (SWPPP) requirements. The program or plan if required by scope shall be provided to the Authority's Project Manager, upon request, within 72 hours.

**1.3 INCIDENT NOTIFICATION AND INVESTIGATION**

**A. The Authority shall be promptly notified of any of the following types of incidents including but not limited to:**

1. Damage incidents of property (incidents involving third party, contractor or Authority property damage);
2. Reportable and/or Recordable injuries (as defined by the U. S. Occupational Safety and Health Administration), a minor injury, and near miss incidents;
3. Incidents impacting the environment, i.e. spills or releases on Authority projects or property.
4. Outside Agency Inspections; agencies such as Cal/OSHA, DTSC, SCAQMD, State Water Resources Control Board, FTA, CPUC, EPA, USACE and similar agencies.

**B. Notifications shall be made to Authority representatives, employees and/or agents. This includes incidents occurring to contractors, vendors, visitors, or members of**

the public that arise from the performance of Authority contract work. An immediate verbal notice followed by an initial written incident investigation report shall be submitted to the Authority's Project Manager within 24 hours of the incident.

- C. 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, Photos of the existing conditions and area of the injury/incident, 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 task planning documentation, copy of the Physician's first report of injury, copy of Cal/OSHA 300 log of work related injuries and illnesses, the Cal/OSHA 301 Injury Illness Incident Report, and corrective actions initiated to prevent recurrence. This information shall be considered the minimum elements required for a comprehensive incident report provided to OCTA.
- D. A Serious Injury, Serious Incident, OSHA Recordable Injury/Illness, or a Significant Near Miss shall 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. This review shall require a company senior executive, company program or project manager from the Contractors' organization to participate and present the incident review as determined by the OCTA Project Manager. The serious incident presentation shall include action taken for the welfare of the injured, a status report of the injured, causation factors that lead to the incident, a root cause analysis (using 5 whys and fishbone methods), 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. A serious injury also includes a lost workday or reassignment or restricted injury case as determined by the Physician's first report of injury or Cal/OSHA definitions.
  - 2. Serious Incident: includes but not limited to 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, Metrolink, FTA, FRA 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: includes 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.

**1.4 DESIGNATED HEALTH AND SAFETY REPRESENTATIVE**

- A. Upon contract award, the contractor within 10 business days shall designate a health and safety representative and provide a resume and qualifications to the Authority project manager, upon request, within 72 hours.
- B. 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 (Cal/OSHA) and has the authority to affect changes in work procedures that may have associated cost, schedule and budget impacts.

**1.5 PERSONAL PROTECTIVE EQUIPMENT**

- A. The Contractor, its subcontractors, suppliers, and employees are required to comply with applicable personal protective equipment (PPE) requirements while performing work at any Authority project or property. Generally minimum PPE requirements include eye protection; hearing protection, head protection, class 2 or 3 safety reflective vests, and appropriate footwear.
- B. The Contractor, its subcontractors, suppliers, and employees are required to provide their own PPE, including eye, head, foot, and hand protection, safety vests, or other PPE required to perform their work safely on Authority projects or property. The Authority requires eye protection on construction projects and work areas that meet ANSI Z-87.1 Standards.

**1.6 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 Yard Safety Rules

**END OF SECTION**

**EXHIBIT F: PROPOSAL EXCEPTIONS AND/OR DEVIATIONS**

**PROPOSAL EXCEPTIONS AND/OR DEVIATIONS**

The following form shall be completed for each technical and/or contractual exception or deviation that is submitted by Offeror for review and consideration by Authority. The exception and/or deviation must be clearly stated along with the rationale for requesting the exception and/or deviation. If no technical or contractual exceptions or deviations are submitted as part of the original proposal, Offerors are deemed to have accepted Authority’s technical requirements and contractual terms and conditions set forth in the Scope of Work (Exhibit A) and Proposed Agreement (Exhibit C). Offerors will not be allowed to submit this form or any contractual exceptions and/or deviation after the proposal submittal date identified in the RFP. Exceptions and/or deviations submitted after the proposal submittal date will not be reviewed by Authority.

Offeror:\_\_\_\_\_

RFP No.:\_\_\_\_\_ RFP Title: \_\_\_\_\_

Deviation or Exception No. : \_\_\_\_\_

Check one:

- Scope of Work (Technical) \_\_\_\_\_
- Proposed Agreement (Contractual) \_\_\_\_\_

Reference Section/Exhibit: \_\_\_\_\_ Page/Article No. \_\_\_\_\_

Complete Description of Deviation or Exception:

Rationale for Requesting Deviation or Exception:

Area Below Reserved for Authority Use Only: