

**Request for Proposals**  
for  
Final Design, PS&E and Right of Way Services  
for the  
**I-205 / Lammers Road / Eleventh Street Interchange Project**

CIP 73084  
Federal Project No. DEMO3LN-5192 (021)  
in the  
City of Tracy  
San Joaquin County

by the  
City of Tracy

December 10, 2012

Responses Due:

**3:00 PM, Thursday, January 10, 2013**

City of Tracy  
Development and Engineering Services Department  
Attention: Zabih Zaca, Senior Civil Engineer  
333 Civic Center Plaza  
Tracy, CA 95376

**REQUEST FOR PROPOSALS  
FOR THE I-205 / LAMMERS ROAD / ELEVENTH STREET INTERCHANGE PROJECT**

---

**TABLE OF CONTENTS**

|    |                                                            |         |
|----|------------------------------------------------------------|---------|
| 1. | Notice of Request For Proposals                            | Page 3  |
| 2. | Request For Proposals                                      | Page 4  |
| 3. | Attachment A: Project Background and Proposal Requirements | Page 7  |
|    | 1. Section 1: Introduction                                 |         |
|    | 2. Section 2: Project Background                           |         |
|    | 3. Section 3: RFP Schedule                                 |         |
|    | 4. Section 4: RFP Submittal requirements                   |         |
|    | 5. Section 5: Selection of Consultants                     |         |
| 4. | Attachment B: Preliminary Scope of Services                | Page 13 |
| 5. | Attachment C: Geometric Layout                             | Page 33 |
| 6. | Attachment D: LAPM Form 10-O1                              | Page 34 |

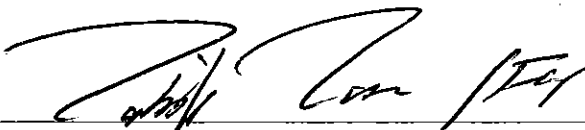
REQUEST FOR PROPOSALS

FOR THE I-205 / LAMMERS ROAD / ELEVENTH STREET INTERCHANGE PROJECT

---

CITY OF TRACY  
NOTICE OF REQUEST FOR PROPOSALS

1. NOTICE IS HEREBY GIVEN that the CITY OF TRACY (hereinafter "CITY") requests proposals for the I-205/LAMMERS ROAD/ELEVENTH STREET INTERCHANGE PROJECT (hereinafter "Project"), and will receive proposals in the office of the CITY ENGINEER, 333 CIVIC CENTER PLAZA, TRACY, CA 95376, ATTN: ZABIH ZACA, SENIOR CIVIL ENGINEER, up to the hour of 3 p.m., on the 10<sup>th</sup> day of January, 2013.
2. The services to be performed by the successful proposer are described in the Request for Proposals (which is attached). Additional copies of the Request for Proposals are available from the city website: [www.ci.tracy.ca.us](http://www.ci.tracy.ca.us). Any questions should be directed to Zabih Zaca, Senior Civil Engineer in the Engineering Division. The general scope of services includes completion of construction documents, which includes preparation of project plans, specifications and cost estimates and completion of right of way engineering documents.
3. Proposals shall be submitted and clearly marked as follows: "SEALED PROPOSAL FOR FINAL DESIGN AND PS&E PHASE - I-205/LAMMERS ROAD/ELEVENTH STREET INTERCHANGE PROJECT - CIP 73084, FEDERAL PROJECT NO: DEMO3LN-5192(021) - DO NOT OPEN WITH REGULAR MAIL." Five copies of the proposal shall be provided in the sealed envelope.
4. All responsive proposals shall be reviewed and evaluated by the CITY in order to determine which proposer best meets the CITY's needs for this Project by demonstrating the competence and professional qualifications necessary for the satisfactory performance of the required services. The criteria by which the CITY shall evaluate proposals are set forth in the Request for Proposals.
5. The CITY reserves the right to reject any and all proposals or waive any irregularities in any proposal, this request for proposals (RFP) or the proposal process.

  
KULDEEP SHARMA, P.E. CITY ENGINEER

12/10/2012  
Date

CITY OF TRACY  
**REQUEST FOR PROPOSALS**

1. **DELIVERY OF PROPOSALS.** It is the Proposer's responsibility alone to ensure that the proposal is received by the **CITY ENGINEER (ATTN: ZABIH ZACA)** prior to the hour and date for the opening of proposals specified in the Notice of Request for Proposals. Any proposals received by the **CITY ENGINEER** after that hour and date shall be returned unopened.
2. **FORMAT OF PROPOSALS.** All proposals shall be presented clearly and legibly, in conformance with the Proposal Contents (Appendix A) section of this RFP and submitted in a sealed envelope plainly marked on the outside: ***"SEALED PROPOSAL FOR PROVIDING ENGINEERING SERVICES FOR COMPLETION OF CONSTRUCTION DOCUMENTS FOR I -205 /LAMMERS ROAD/ELEVENTH STREET INETRCHANGE PROJECT – CIP 73084, FEDERAL PROJECT NO: DEMO3LN-5192(021) - DO NOT OPEN WITH REGULAR MAIL."***
3. **QUALITY OF PROPOSAL.** Unnecessarily elaborate or glossy proposals are neither expected nor desired. The emphasis of the proposal should be on responding to the requirements set forth in this Request for Proposals.
4. **INTERPRETATIONS OF THE REQUEST FOR PROPOSALS.** If the Proposer is in doubt as to the meaning of any part of the Request For Proposals, or finds discrepancies in or omissions from the Request For Proposals, the Proposer shall submit to the CITY a written or email request for an interpretation or clarification prior to the time for opening the proposals. All such requests should be addressed to the CITY attention: Zabih Zaca, Senior Civil Engineer at Development and Engineering Services Department, Tracy CA 95376. The Proposer shall be responsible for the prompt delivery of the request. The CITY shall not be responsible for any explanation or interpretations of the Request For Proposals other than by written addendum delivered to each Proposer. No oral interpretations of any provision in the Request For Proposals shall be binding upon the CITY.
5. **REVIEW OF PROPOSALS.** After the proposals are received and opened by the CITY, the CITY shall review and evaluate all proposals for responsiveness to the Request for Proposals to determine whether the Proposer possesses the professional qualifications necessary for the satisfactory performance of the services required. The CITY shall also investigate qualifications of all Proposers to whom the award is contemplated, and the CITY may request clarifications of proposals directly from one or more Proposers. It is anticipated that this review period will last up to forty-five (45) calendar days. In reviewing the proposals, the CITY may consider the following:
  - a. The stated selection criteria.
  - b. The experience and past performance of the Proposer, employees, and subconsultants in completing Federally Funded projects of a similar type, size, and complexity. The CITY

**REQUEST FOR PROPOSALS  
FOR THE I-205 / LAMMERS ROAD / ELEVENTH STREET INTERCHANGE PROJECT**

---

- may consider Proposer's timely and accurate completion of similar projects within budget.
- c. The feasibility of the proposal based upon the performance and cost schedules, and the methodology to be used by the Proposer.
  - d. Proposer's understanding of the work to be completed based upon the clarity of the proposal and responsiveness to this Request For Proposals.
  - e. Any requested changes to the City's standard Professional [or General] Services Agreement.
6. **AWARD OF AGREEMENT.** Upon completion of the review period, the CITY shall notify those Proposers whose proposals will be considered for further evaluation and negotiation. All Proposers so notified shall be required to make presentations and negotiate in good faith in accordance with direction from the CITY. Any delay caused by Proposer's failure to respond to direction from the CITY may lead to a rejection of the Proposal.
- a. If the CITY determines, after further evaluation and negotiation, to award the Agreement, a Professional [or General] Services Agreement shall be sent to the successful Proposer for the Proposer's signature. No proposal shall be binding upon the CITY until after the Agreement is signed by duly authorized representatives of both the CONSULTANT and the CITY.
  - b. The CITY reserves the right to reject any or all proposals, and to waive any irregularity. The award of the Agreement, if made by the CITY, will be based upon a total review and analysis of each proposal and projected costs.
7. **SCOPE OF SERVICES.** The scope of services as set forth in Attachment A to this Request for Proposals represents an outline of the services which the CITY anticipates the successful proposer to perform, and is presented for the primary purpose of allowing the CITY to compare proposals. The precise scope of services to be incorporated into the Professional [or General] Services Agreement shall be negotiated between the CITY and the successful Proposer. The CITY requests that the Proposer suggest changes to the scope of services (as a part of the proposal) in order to achieve the CITY's stated Project Objectives.
- a. **Project Objectives.** The CITY's primary objective for this Agreement is to obtain professional services for the completion of right of way acquisition and construction documents for the subject project.
  - b. **Project Restrictions.**
    - 1. **Timing.** As the CITY understands the timing restrictions for this project at this time, the following schedule must be met: All required works must be completed within 24 month from the receipt of Notice to Proceed.
    - 2. **Budget.** The CITY has a budget of \$3.7 million budget for the required scope of services and the consultant shall include in their proposals what tasks can be completed within the available budget and what tasks would require additional budget.

**REQUEST FOR PROPOSALS  
FOR THE I-205 / LAMMERS ROAD / ELEVENTH STREET INTERCHANGE PROJECT**

---

8. **COPIES OF PROPOSAL.** A total of five (5) copies of the proposal are required to be submitted to the City.
9. **QUESTIONS.** Should you have any questions, please contact Zabih Zaca at (209) 831-6452 or email at [zabih.zaca@ci.tracy.ca.us](mailto:zabih.zaca@ci.tracy.ca.us). All questions must be received by the close of business day on January 3, 2013. Responses will be posted on the City's web site.

## ATTACHMENT A

### PROJECT BACKGROUND AND PROPOSAL REQUIREMENTS

#### SECTION 1 — INTRODUCTION

The City of Tracy is seeking a qualified engineering consulting firm or team to provide professional services for the completion of final design and right way services including preparation project Plans, Specifications and Cost Estimates (PS&E), and right of way acquisition documents for the I-205/Lammers Road/Eleventh Street Interchange Project between Mountain House Parkway and Grant Line Road Interchange.

The selected consultant will work closely with the City, as well as the City's engineering division, Caltrans District 10, Caltrans Office of Specially Funded Projects, the County of San Joaquin and the San Joaquin Council of Governments and all other interested agencies.

The City of Tracy is the lead agency for right of way acquisition and construction of the interchange project. Caltrans District 10 will provide oversight of design and approval of all design and right of way acquisition submittals and documents.

#### SECTION 2: PROJECT BACKGROUND

Current and future growth within the City of Tracy will occur primarily to the west and south of the existing city limits. Access between these growth areas and I-205 is currently provided at the I-205 interchange with Eleventh Street and at Grant Line Road, which provides circuitous and incomplete access to the area. The City of Tracy is proposing to improve access and circulation between and across I-205 at this interchange needed to support current, approved and planned urban development within the city consistent with the City's General Plan.

**PROJECT APPROVAL PROCESS.** The Project Study Report (PSR) was completed in 2006 and the Environmental Document (EIR/EA) was approved in October 2012. The Project Report was approved in November 2012. The City has secured Federal Funds for final design and is therefore seeking to enter into a professional services agreement with a consultant team that has the expertise to complete the following services for the freeway interchange:

- Surveying, mapping, final design and preparation of Plans, Specifications and Estimates (to result in a cost-effective, biddable and constructible freeway interchange, and connecting roadway)
- Right-of-way engineering and appraisals (to provide accurate right-of-way work, including plats and legal descriptions, so that the City and Caltrans can proceed with right-of-way acquisition)
- Utility relocation planning (identification of conflicts and preparation of utility relocation plans and coordination with utility owners as necessary)

REQUEST FOR PROPOSALS  
FOR THE I-205 / LAMMERS ROAD / ELEVENTH STREET INTERCHANGE PROJECT

---

- Coordination with all affected agencies including but not limited to Westside Irrigation District, all utility agencies, including investigating State, and Federal sources to secure construction funds and permits

**PROJECT DESCRIPTION.** The interchange project will reconstruct the existing Eleventh Street ramps on I-205 by replacing them with a partial cloverleaf (Type L-9) interchange at a realigned Eleventh Street, while closing and removing the existing Eleventh Street ramps to and from I-205 west. The replacement interchange will be located approximately 2.3 miles east of the Mountain House Parkway interchange and 1.6 miles west of the Grant Line Road interchange. An auxiliary lane in the westbound direction along I-205 will connect the westbound Grant Line Road on ramp to the westbound Eleventh Street exit ramp. Auxiliary lanes in both the westbound and eastbound directions along I-205 will connect to the recently completed auxiliary lanes to and from Mountain House Parkway. See ATTACHMENT C for the project Geometric Layout. The Phase 1 interchange and work within proposed City and Caltrans right of way from Eleventh Street to the westbound ramp curb returns shall be designed to full PS&E in accordance with Caltrans requirements and standards. Right of way will be acquired for the Phase 1 project including the full interchange and local roads to the Eleventh Street/Lammers Road intersection.

- Structures: The Eleventh Street Overcrossing over I-205 will be designed to accommodate the future widening of I-205 to ten lanes. The westbound auxiliary lane from Grant Line Road to the new interchange will require widening of I-205 over the UPRR. The existing Eleventh Street westbound on-ramp overcrossing will be demolished and the current Eleventh Street interchange ramps removed.
- Drainage: There are no natural waterways within the project area and the project will not be allowed to connect to local storm drain systems. The storm runoff generated within the project area will be contained in a series of retention basins. A system of roadway drainage ditches, inlets and pipe culverts will be proposed to convey runoff from paved areas to the proposed retention basins. Existing cross culverts will be extended to meet the new roadway side slopes where necessary. According to the Preliminary Drainage Report, four retention basins within the new interchange area and two basins within the existing Eleventh Street ramps area are proposed.
- Landscaping: Standard landscaping and irrigation will be provided within the new interchange, which may include trees and shrub in accordance with Caltrans allowances. Along I-205, erosion control will be provided on embankment side slopes and ditches. Other landscaping would be provided in accordance with mitigation requirements (e.g., due to the loss of existing trees within the I-205 corridor). Replacement landscaping may occur at an offsite location under a separate contract (not included in this design).
- Local Streets: The design will include preparation of plans and right of way acquisition documents for the relocation of Eleventh Street from the Intersection of Lammers Road/Eleventh Street to the new interchange. The design should allow for local streets to remain operational while construction is underway.

REQUEST FOR PROPOSALS  
FOR THE I-205 / LAMMERS ROAD / ELEVENTH STREET INTERCHANGE PROJECT

---

- Signals and Ramp Metering: Four traffic signals and four ramp metering installations shall be included in the design. The Proposer shall coordinate necessary utility connections for signals.
- Right of Way: Under both phases of the Build Alternative, five parcels would be fully acquired and 15 parcels would be partially acquired. Right-of-way acquisition is estimated to cost approximately \$6.9 million in current dollars. The City of Tracy is the sponsor of the project. Caltrans will perform right of way work within State right of way and City will acquire right of way for Eleventh Street. Right of Way Data Sheets are provided in the Project Report. Based on the available utility records, no active utilities in the project vicinity will be adversely impacted by the project. There are no known longitudinal encroachments of facilities in existing or proposed access controlled right of way.
- Railroad Involvement: A permanent aerial easement and Construction and Maintenance (C&M) agreement are required to widen the Janney OH Bridge across the Union Pacific Railroad. Bridge widening is needed to accommodate the auxiliary lanes in the westbound direction. UPRR requires 23'-4" permanent vertical clearance and 21' temporary clearance during construction. The proposed bridge widening across UPRR at this location meets the UPRR clearance requirements.
- Cost Estimate: The estimated construction and right of way costs, including contingency, in 2012 dollars for **Alternative 5A** are shown below. Only Phase 1 is to be designed at this time. (Design of all Interchange Improvements from 11<sup>th</sup> Street to Von Sosten Road, including interchange, ramps, auxiliary lanes and local road connections)

**TABLE 5**  
**ESTIMATED CAPITAL COSTS**

| Item                      | Phase 1              | Phase 2 (local)     | Total                |
|---------------------------|----------------------|---------------------|----------------------|
| Construction Roadway      | \$ 41,600,000        | \$ 6,900,000        | \$ 48,500,000        |
| Structures                | \$ 12,300,000        | \$ 0                | \$ 12,300,000        |
| Subtotal                  | \$ 53,900,000        | \$ 6,900,000        | \$ 60,800,000        |
| Right of Way              | \$ 4,900,000         | \$ 2,000,000        | \$ 6,900,000         |
| <b>Total Project Cost</b> | <b>\$ 58,800,000</b> | <b>\$ 8,900,000</b> | <b>\$ 67,700,000</b> |

**PROJECT MATERIALS:** The following materials are available for review at the City offices or from the following link: <http://www.yousendit.com/download/WUJaMFhzcklveE1pR01UQw>

1. *Approved Project Study Report*
2. *Approved Geometric Plans*
3. *Approved Storm Water Data Report*
4. *Approved Bridge Advance Planning Studies*
5. *I-205 Auxiliary Lane Construction Plans (construction in progress)*
6. *Value Analysis Study Report*
7. *Approved Environmental Document*
8. *Approved Project Report*

**SCHEDULE.** The anticipated schedule for design and right of way process is February 2013 – January 2015. The City intends to advertise the project in the spring of 2015, for a construction start in Fall of 2015, pending the availability of construction funds and acquisition of right of way by spring 2015.

### **SECTION 3 – PROPOSAL REQUIREMENTS**

The Proposal shall be a maximum of 40 pages (not including attachments, cover or dividers) and should include the following elements:

- **COVER LETTER:** The proposal shall be transmitted with a cover letter describing the firm's/team's interest and commitment to the proposed project. The letter shall state that the proposal shall be valid for a 90-day period and should include the name, title, address and telephone number of the individual to whom correspondence and other contacts should be directed during the consultant selection process. The person authorized by the firm/team to negotiate a contract with the City shall sign the cover letter. Address the cover letter as follows:

Mr. Kuldeep Sharma, City Engineer,  
Development and Engineering Services  
333 Civic Center Plaza  
Tracy, CA 95376  
Attention: Zabih Zaca, Senior Civil Engineer

- **SECTION 1 - PROJECT TEAM:** Describe the project team, provide a team organization chart, identifying the project manager, project engineer and all proposed subconsultants, and identifying their roles and responsibilities. Capsule resumes shall be provided in this section describing their relevant work experience, length of service with the firm, and capabilities. Provide 5 references for the Project Manager. Full resumes (not to exceed 2 pages each) of key team members shall be provided in **Appendix B** to the Proposal.
- **SECTION 2 - PROJECT EXPERIENCE:** Describe five similar projects completed by the project team within the last 6 years, with references listed for each of the projects. Describe the relevant features and processes involved in each project. Describe experience with Caltrans District 10 and Division of Structures, local permitting agencies and familiarity with the I-205 Corridor.
- **SECTION 3 - PROJECT APPROACH:** Provide a work plan demonstrating the consultant's understanding of the Caltrans process and the approach that will be taken by the project team to successfully deliver this project. Provide a critical issues summary, illustrating what the consultant believes to be the main challenges for the interchange project. **A preliminary scope of services is provided in Attachment B, but it is the proposer's responsibility to propose detailed and comprehensive scope of services for this project.**

**REQUEST FOR PROPOSALS  
FOR THE I-205 / LAMMERS ROAD / ELEVENTH STREET INTERCHANGE PROJECT**

---

- **SECTION 4 - SCHEDULE:** Include a detailed PS&E schedule for Phase 1 assuming a February 2013 Notice to Proceed. Discuss assumptions for submittals, review and approval by the City and Caltrans, and methods for assuring successful delivery of the project design and right of way acquisition.
- **ATTACHMENTS:** Provide the following attachments:  
APPENDIX A – KEY TEAM RESUMES  
APPENDIX B – LAPM FORM 10-01
- **FEE SCHEDULE (SEPARATE ENVELOPE):** Provide a Fee Schedule for final design, right of way acquisition documents and PS&E in a sealed envelope. Fee schedule must be in a form in compliance with FAR cost principles. CONSULTANT shall be subject to a pre-award audit by Caltrans. **Fee schedule to include what tasks can be included within the \$3.7 million Federal allocation, and what tasks would require additional future funding.**

**SECTION 3: RFP SCHEDULE**

City staff will review the Proposal's received and will prepare a short list of the top two to three qualified firms. Depending on the number proposals received, interviews may be conducted with the shortlisted firms to select a preferred consultant. A scope and fee will then be negotiated with the selected firm. If an agreement cannot be reached with the selected firm, the City reserves the right to commence negotiations with the next firm on the list. Each firm submitting a Proposal package does so at its own risk. No

compensation will be due any firm for preparation of a written Proposal. The City can cancel the project at any time without consequence. The City may choose not to conduct interviews.

The following is the preliminary schedule for the consultant selection process:

- Request for Proposals (RFP) Issued – December 10, 2012
- Proposals Due – January 10, 2013
- Staff evaluation of Proposals completed – February 15, 2013
- Interviews of Shortlisted Consultants (if needed) - February 20, 2013
- Select Consultant - February 28, 2013
- Contract Negotiation, Scope & Budget – March 11, 2013
- City Council Approval of Consultant Agreement – April 2, 2013
- City Issues Notice to Proceed – April 10, 2013

Professional liability insurance (errors and omissions) with limit of liability of not less than \$1,000,000 per occurrence and \$2,000,000 aggregate; plus automobile liability of not less than \$1,000,000; and commercial general liability of not less than \$1,000,000 per occurrence and \$2,000,000 aggregate will be required for this project. The City's standard professional service agreement will be used with a copy available on request.

**REQUEST FOR PROPOSALS  
FOR THE I-205 / LAMMERS ROAD / ELEVENTH STREET INTERCHANGE PROJECT**

---

The City of Tracy hereby notifies all applicants that it will affirmatively ensure that, for any contract entered into pursuant to this request, Disadvantaged Business Enterprises (as certified by the State of California) will be afforded full opportunity to submit proposals in response to this request and the proposer's must include All DBE groups (i.e. African Americans, Asian Pacific Americans, Native Americans, women, Hispanic Americans, Subcontinent Asian Americans, and any other groups whose members are disadvantaged). Proposer's must comply with "New RC DBE Program" requirements as issued by the FHWA and Caltrans division of Local Assistance – Office Bulletin 12-04. **The minimum DBE percentage to be obtained on this contract is 3.8%.**

**SECTION 4: SELECTION OF CONSULTANT**

The overall process will be to evaluate the technical components of all the proposals completely and independently from the cost component. The proposals will be evaluated and scored on a 100 point total basis using the following criteria:

1. Qualifications and specific experience of Project Manager and Key Team Members. **20 points.**
2. Project understanding and approach, including an understanding of the project approval requirements from Caltrans, FHWA and all other interested agencies. **30 points.**
3. Experience with similar types of projects. **20 points.**
4. Satisfaction of previous clients. Location and accessibility of firm. **15 points.**
5. Schedule and capacity to provide qualified personnel. **10 points.**
6. Consideration of DBE requirements. **5 points**

If needed, a two to three submitting firms/teams may be invited to an interview/presentation, **tentatively scheduled for February 20, 2013.** Only the Project Manager and Key Team Members shall attend the interview / presentation, up to a **maximum of 5 persons.** The evaluation / interview panel may include representatives from the City, Caltrans and other agencies or consultants, but the specific composition of the panel will not be revealed prior to the interviews. Costs for travel expenses and proposal preparation shall be borne by the consultants. The City reserves the right to select the consultant without an interview.

Once the top firm/team has been determined, City staff will start contract negotiations with the firm/team. If contract negotiations are not successful, the second ranked firm/team may be asked to negotiate a contract with City, etc.

## ATTACHMENT B

### PRELIMINARY SCOPE OF SERVICES

The Preliminary Scope of Services is divided into seven tasks, summarized below. Submittals will be made in the number and type specified in the current edition of the California Department of Transportation (CALTRANS) publication entitled "Guide for the Submittal of Plans, Specifications, and Estimates, and where applicable, OSFP Information and Procedures Guide of the Division of Structures," unless noted otherwise in the contract documents.

- TASK 1. PROJECT MANAGEMENT
- TASK 2. PRELIMINARY ENGINEERING AND PRELIMINARY DESIGN (35%)
- TASK 3. RIGHT OF WAY ENGINEERING/ACQUISITION
- TASK 4. FINAL DESIGN - UNCHECKED (65%)
- TASK 5. FINAL PS&E - CHECKED (95%) WITH BEES
- TASK 6. FINAL PS&E (100%) WITH BEES
- TASK 7. PROJECT ADVERTISEMENT AND BID SUPPORT

#### TASK 1. PROJECT MANAGEMENT

CONSULTANT will provide project management for the entire duration of the Agreement schedule. The design schedule is anticipated to be 18-24 months. The management functions are described in detail in the following:

##### 1.1 Project Management

CONSULTANT's management activities will consist of administration, coordination and quality control as stated in the following:

- CONSULTANT's Project Manager (PM) will coordinate day-to-day dissemination of information, schedule, conduct and record Project Team meetings, schedule reviews, identify potential schedule delays, and, as directed by the City, attend conferences with government, public or private agencies or others interested in the Project. The PM, or his designee, will prepare and submit to the COUNTY minutes of all coordination meetings attended within five working days after the meeting. The PM will carry out the instructions received from the COUNTY and CALTRANS and will transmit direction to the CONSULTANT team. The PM will manage, coordinate, and maintain continuous cost control of all CONSULTANT's team effort. The PM, or his representative, will conduct and document analysis of subconsultant costs; negotiate subconsultant agreements, pricing, and changes; and maintain project files.
- CONSULTANT will supervise, coordinate, and monitor design for conformance with CALTRANS' standards and policies.
- CONSULTANT will interface with CALTRANS' Project Development and the Division of Structures to assure format consistency of all deliverables.

- CONSULTANT will assure that all documents requiring CALTRANS' oversight review are prepared in accordance with CALTRANS' standards, guidelines, and procedures.
- CONSULTANT will coordinate design effort with all team members, including subconsultants. Coordination also includes the following agencies:
  - CALTRANS (all offices, departments, divisions, and groups as directed by
  - CALTRANS Project Development, including CALTRANS DOS)
  - Utility companies
  - CITY OF TRACY Public Works Department
  - SAN JOAQUIN COUNTY

1.2 Meetings and Coordination

Project Development Team (PDT) meetings will be held every month through the life of the project (CONSULTANT to chair and record the meetings). The purpose of the PDT will be to expedite decisions, facilitate a forum for product review and comment, and establish methods and priorities for resolution of design issues. CONSULTANT will conduct regular monthly design coordination meetings with the CITY. The location for the meetings will be a location to be determined by the CITY. These meetings will alternate with the PDT meetings. CONSULTANT will attend Workshop and Safety Review Meetings with CALTRANS and other agencies to resolve the project issues, as needed.

1.3 Schedule Control

CONSULTANT will develop and maintain a Work Plan and submit updates to the CITY. The Work Plan will identify each sub-task and deliverable. The Work Plan will be prepared during the first 30 days of Preliminary Engineering. The CONSULTANT will prepare a detailed CPM network schedule indicating all design activities including appropriate reviews by the CITY and outside agencies, tasks, deliverables, and input requirements with the appropriate milestones clearly identified. CONSULTANT will submit updated electronic progress schedule on a bi-monthly basis. The PM will notify the CITY within seven days of any impacts that may affect schedule milestones.

1.4 Quality Control

CONSULTANT will conduct quality control reviews of its submittals prior to submittal to the CITY and CALTRANS. It is anticipated that quality reviews will be done at the following times.

- Completion of 35% PS&E
- Completion of 65% PS&E
- Completion of 95% PS&E
- Completion of 100% PS&E

CONSULTANT will develop and maintain a Quality Assurance Plan during the life of the project and shall ensure that the QAP processes are adhered by CONSULTANT and its subconsultants.

**1.5 Cost Control**

The project design cost estimate includes all work efforts based on the defined scope within the project limits including all roadway and bridge design work, utility relocations, environmental mitigation measures, right-of-way acquisition related tasks, reports, and other related professional services. The design cost estimate also includes reasonable allowances for those items of work that cannot be definitively quantified and is based on the team's technical judgment and its considerable experience in executing similar projects. CONSULTANT will not perform any extra work without prior written authorization from the CITY.

**1.6 Project Invoicing and Status Reporting**

CONSULTANT will submit invoices every four weeks to the CITY in a format approved by the CITY. The invoices will segregate costs by phase, activity, and sub-task corresponding to the design Work Plan; invoices will include the status of the current billings compared to established budgets. CONSULTANT will prepare and submit progress reports to the CITY with each invoice.

**1.7 Project Files and Document Control**

CONSULTANT will maintain project files in accordance with applicable CALTRANS' Uniform Filing System categories and, when applicable, CALTRANS' Bridge Memo to Designers. The appropriate document control procedure will be established and maintained by CONSULTANT.

**1.8 Design Integration Meetings**

To identify and resolve all relevant interfaces, and to eliminate potential conflicts, CONSULTANT will put together design integration process to fully identify interfaces between functional elements and define the physical and functional relationships. CONSULTANT will conduct monthly Design Integration Meetings, as well as generate and maintain listing of integration action items. The purpose of Design Integration Meetings will be to expedite decisions, facilitate a forum for reviews, and to establish methods and priorities for resolution of design issues.

**TASK 2. PRELIMINARY ENGINEERING AND PRELIMINARY DESIGN (35%)**

The purpose of this task is to determine right-of-way, utilities easements, construction quantities, cost estimates, and permit requirements for the Project, including highway and structures. CONSULTANT activities will include the following:

**2.1 Fact Sheets**

No additional fact sheets are anticipated in the project other than those prepared in PA/ED phase.

**2.2 Mapping, Supplemental Surveys and Survey Control Data**

CONSULTANT, will perform necessary mapping, supplemental aerial mapping and ground surveys required to complete the design. Work tasks include:

2.2.1 Records Research – CONSULTANT will perform research for existing horizontal and vertical control monuments with CALTRANS and NGS available for use in establishing the primary control network. CONSULTANT will coordinate with CALTRANS D10 to establish the project control Datum. In addition, CONSULTANT will research record maps and deeds with the CITY, BLM CALTRANS and the City of Modesto in order to perform a complete existing monument search.

2.2.2 Submittal A Photogrammetric Mapping Package – CONSULTANT will prepare and provide to the CALTRANS D10 Mapping Coordinator a complete Submittal A as required by the CALTRANS Office of Photogrammetry for approval prior to aerial flight.

2.2.3 Mission Planning and GPS Surveys – CONSULTANT will perform mission planning to confirm satellites symmetry during the planned observation periods, create an observation plan, establish primary control points and flight panels, perform GPS observations to the specifications outlined in Chapter 5 and 6 of the Survey Manual, perform a Digital Level run over the primary control points and the vertical flight panels to the specifications outlined in Chapter 8 of the Survey Manual, post process GPS Static Surveys, perform Minimal and Final Least Squares Adjustments, and prepare the Project Control Report for approval. Horizontal control will be based on the North American Datum of 1983 (NAD83) and converted to the California Coordinate System of 1983, Zone 2 as referenced by available published survey control monuments. All units will be in US Survey feet. Vertical control will be based on the National Geodetic Vertical Datum 1988 (NGVD88).

2.2.4 Submittal B Photogrammetric Mapping Package – CONSULTANT will prepare and provide to the CALTRANS D10 Mapping Coordinator the Project Control Report for approval prior to performing Aerotriangulation Report. Upon approval CONSULTANT will submit the balance of Submittal B package for approval.

2.2.5 Aerial Survey - CONSULTANT will prepare an aerial topographic survey compiled at a scale of 1"=50' (English units) with two (2) foot contour intervals as required by CALTRANS. CONSULTANT will have the aerial subconsultant provide a one (1) foot contour interval for design engineers' use.

2.2.6 Submittal C Photogrammetric Mapping Package – CONSULTANT will prepare and provide to the CALTRANS D10 Mapping Coordinator a complete Submittal C as required by the CALTRANS Office of Photogrammetry for approval upon completion of the aerial mapping.

2.2.7 Supplemental Topographic Surveys – CONSULTANT will perform supplemental ground surveys to complete the design. These surveys will include establishing supplemental horizontal and vertical control, locating existing visible features such as: trees in areas of proposed construction (over 6" dbh), fences, lighting, striping, berms, curbs; sidewalks, utility vaults, manholes, drainage structures, ditches, and invert elevations for storm and sanitary sewer manholes. Along State Route 99, conform

elevations, fog lines and lane lines (where necessary), walls, fences and other features will be located by CONSULTANT using current technology, such as reflectorless instruments or High Definition Scanning, to maintain safety of field staff and the general public. In addition, CONSULTANT will survey up to ten (10) pothole locations.

## 2.3 Highway Plan Sheets

CONSULTANT will prepare, coordinate and submit Design Plan Sheets in English units for highway design and assure that interface information is provided to the other design disciplines. The following sheets will be provided:

- Geometric Base Sheets will be prepared at 1"=50' scale on 22" x 34" plan sheets. Skeleton base sheets will include basic layout information and identify all major construction features.
- Typical Cross Sections for the highway will be based on the approved standard sections including pavement structural sections.
- Utility Relocation/Occupation Plans. CONSULTANT will identify, propose final locations, and prepare plans for utilities that are affected by the Project such as water, sewer, gas, electric, cable TV, and telephone.
- Retaining Wall Layout Sheets will be prepared at 1"=20' or other suitable scale.
- Drainage Layout Sheets will be prepared at 1" = 50' scale showing existing and proposed system.
- Pavement Delineation will be prepared at 1" = 50' scale.
- Other pertinent plans. CONSULTANT will prepare and submit additional plans in order to receive CALTRANS' and other agencies' comments early in the design phase to minimize change in subsequent tasks. Other plans will include soundwall and retaining wall locations, stage construction, traffic handling, and ITS concept (electrical) plans will be submitted for review by the appropriate CALTRANS departments.

## 2.4 Type Selection

### 2.4.1 Bridge Type Selection

Upon completion of Preliminary Design, CONSULTANT will submit and make a presentation for review and approval of a Bridge General Plan for each structure. This is the "Structure Type Selection" process and no further design work will be performed until written approval of the structure type is received from the Division of Structures. Upon completion of review by CALTRANS DOS, a Type Selection Review Meeting will be held in Sacramento, at which CONSULTANT will be prepared to discuss and provide information on foundation requirements, falsework requirements, seismic and aesthetic considerations, traffic handling, construction cost, and other pertinent information that is needed to determine the proper structure type. Ten copies of the proposed General Plan, General Plan Estimate, and Type Selection Memo will be submitted for review two weeks prior to the "Structure Type Selection" Review Meeting. The results of the meeting will be summarized in writing by CONSULTANT within two weeks following the meeting.

2.5 Design Reports

CONSULTANT will submit Design Reports for highways and structures, and provide all design interface information to its subconsultants for preparation of other reports. Each submittal will contain sufficient design calculations and other information based upon established CALTRANS' design criteria. The following Design Reports will be prepared:

a) Updated Drainage Report

CONSULTANT will prepare an updated project drainage report at the preliminary design stage. The drainage report will describe existing drainage conditions, specific drainage system conditions or constraints which may affect the project design, drainage flows by system, hydraulic analyses by drainage system, proposed drainage system modifications and improvements, and any off site drainage facilities or modifications which affect other agency facilities or agreements.

The updated Drainage Design Report will be submitted with the 35%, 65%, 95%, and Final design submittal packages. As part of the preparation of the Drainage Design Report all drainage hydrology and hydraulic calculations will be performed. Hydrology and hydraulic calculations will establish;

- The location and tributary watersheds of all drainage inlets;
- All pavement drainage calculations;
- The location, size, profile, and materials of all storm drains;
- The discharge points and outlet conditions for all drainage facilities;
- The 10-year and 25-year hydrology and hydraulic conditions (or per local CALTRANS District guidance) to all stormwater treatment facilities. (this does not include the stormwater WQF or WQV design which is part of the SWDR);
- Retention basin location and sizing (per local CALTRANS District guidance);
- Infiltration trench location and sizing;
- Pump station storm water storage box volume calculations;
- Identify changed conditions between existing and project conditions.

To meet the project drainage design requirements for the highway and local streets, preparation of the Drainage Design Report will include coordination with the CITY, CALTRANS, and the project team.

During each milestone of the project, the design of the drainage facilities developed for the Drainage Design Report will be submitted to the CONSULTANT plans production staff. CONSULTANT will be responsible for reviewing the content of the Drainage Plan sheets, the Drainage Profile sheets, the Drainage Detail sheets and the Drainage Quantity sheets.

b) Foundation Report and Log of Test Borings

CONSULTANT will prepare foundation reports and log of test borings for the bridge structures. Following is a task breakdown for the proposed work.

**REQUEST FOR PROPOSALS  
FOR THE I-205 / LAMMERS ROAD / ELEVENTH STREET INTERCHANGE PROJECT**

---

- Research and Data Collection: Review of readily available geologic and soil literature in the vicinity of the site including review of any as-built drawings and existing LOTB, if any.
  - Permits/USA Clearances: Comply with the Caltrans Permit requirements.
  - Field Exploration: For the various bridge structures, drill borings and/or CPT tests. These explorations will provide an evaluation of subsurface conditions for the proposed structure. The boring locations will depend upon the available access and the boring data from previous studies..
  - Classify and continuously log subsurface soil conditions encountered in each test boring at the time of drilling. Obtain "relatively undisturbed" and bulk samples of substrata from test borings. The borings will be drilled and capped in accordance with the permit requirements.
  - Laboratory Testing: Perform laboratory tests on representative soil samples such as moisture density, consolidation tests, unconfined compression, gradation analyses, corrosion tests and Plasticity Index test, as necessary.
  - Soils Analysis/Evaluation: Perform engineering analyses and develop design recommendations for the proposed foundations. LRFD design requirements will be required for all structures.
  - Prepare Draft Foundation Memos (Type Selection Letter): Prepare preliminary recommendations for foundations and provide a Type Selection Memos with the LOTB for each of the structures.
  - Prepare Final Foundation Reports: Prepare detail reports including design recommendations for foundation types and footing elevations lateral design capacities, pile foundation recommendations or spread footings.
  - Discuss seismic considerations, evaluate the liquefaction potential and comment on the site soil conditions from this standpoint. Information related to Caltrans Seismic design criteria (SDC v 1.4) such as depth to rock like material, etc. shall be provided. Information related to the recently revised Seismic design guidelines and the ARS curves will be provided.
  - Prepare a final Foundation report for each of the structures.
  - Using the general plan as a base map, we will provide boring logs.
  - Design Review Consultation through final design.
- c) Geotechnical Design and Materials Report  
CONSULTANT will prepare a combined Geotechnical Report for the roadway, embankment, overhead sign structures and retaining walls. The borings for the proposed

bridge structures may be used for this study. These explorations will provide an evaluation of subsurface conditions for the proposed roadway portion of the project. The boring locations will depend upon the available access and any boring data from previous studies. We anticipate using a truck mounted auger drill rig (or mud-rotary drill rig if needed) for our work. Some traffic control is assumed at this time in areas where necessary.

- Classify and continuously log subsurface soil conditions encountered in each test boring at the time of drilling. Obtain "relatively undisturbed" and bulk samples of substrata from test borings. The borings will be drilled and capped in accordance with the permit requirements. Generally the borings are required to be backfilled with cement grout.
  - Laboratory Testing: Perform laboratory tests on representative soil samples such as moisture density, unconfined compression, consolidation, gradation analyses, R-value tests, corrosion tests and Plasticity Index test, as necessary.
  - Soils Analysis/Evaluation: Perform engineering analyses and develop design recommendations for the embankments, soundwalls and retaining walls, and pavement design. Slope stability and settlement evaluation of proposed embankments will also be considered as appropriate.
  - Prepare Draft Geotechnical Design and Materials Report: Prepare preliminary recommendations for pipe culverts, embankments, retaining wall, soundwalls, overhead sign structures and pavement design.
  - Prepare Final Geotechnical Design and Materials Report: Prepare detail report including design recommendations for embankment foundation, soundwalls, overhead sign structures and retaining walls and pavement sections. Also specified in the report will be information on recommended slopes, groundwater conditions, corrosion evaluations, etc.
  - Using the general plan as a base map, we will provide boring logs using the standard Caltrans LOTB sheets.
  - Design Review Consultation through final design.
- d) Transportation Management Plan (F&P)
- CONSULTANT will prepare a draft and final Transportation Management Plan (TMP) for the construction package. The TMP is a specialized program tailored to prevent and mitigate the impacts of the construction project by applying a variety of techniques including Motorist Information, Incident Management, Construction Strategies and Public Awareness Strategies. The major objectives of the TMP are to maintain efficient and safe movement of vehicles through the construction zone; and to provide intensive public awareness of potential impacts on I-205 and local street

operations. The TMP shall consider and propose a program of public information, driver information, and an incident detection and response.

e) Storm Water Data Report

CONSULTANT will update the Storm Water Data Report in compliance with the current CALTRANS "Storm Water Quality Handbook," for mainline and interchange modification packages. Each report will address water quality impacts and mitigation for each component of the project. The project will utilize CALTRANS policies and procedures and best management practices (BMPs) to collect, transport, and dispose of storm water within the State's right of way. A draft and final SWDR for the PS&E level will be prepared. One SWDR document will be prepared for the entire corridor.

f) Utility Relocation Management Plan

CONSULTANT will prepare a utilities relocation management list and identify utilities to be relocated and schedule for such relocations. CONSULTANT will conduct the following activities:

- Notify all utilities of required relocations.
- Collect and study the existing as-built utility and electrical drawings of the project area.
- Conduct field surveys to verify the existing site conditions.
- Prepare a utilities relocation management plan and identify utilities to be relocated and schedule for such relocations. Utility records will be obtained and plotted in AutoCAD. Anticipated impacts will be identified, potential relocation areas, costs and schedule by Owner.

g) Hazardous Materials Site Investigation

CONSULTANT will perform a site investigation at specific areas of retaining wall and roadway and soundwall construction within Caltrans right-of-way and evaluate aerially deposited lead (ADL) concentrations. Tasks include:

- Prepare Health and Safety Plan
- Prepare workplan for the CITY and Caltrans approval
- Retaining/Sound Wall Field Activities
- Retaining/Sound Wall Laboratory Analyses
- ADL Field Activities
- ADL Laboratory Analyses
- Prepare Draft Site Investigation Report for the CITY and Caltrans review
- Prepare Final Site Investigation Report

h) Other Hazardous Materials Studies

CONSULTANT will perform asbestos and lead-containing paint surveys of bridges and structures to be removed as part of the project. Tasks include:

- Prepare Health and Safety Plan
- Prepare workplan for the CITY and Caltrans approval
- Field Activities

- Laboratory Analyses:
  - Prepare Draft Survey Report for the CITY and Caltrans review
  - Prepare Final Survey Report
- i) Preliminary Construction Quantities and Estimates
- CONSULTANT will prepare Preliminary Construction Quantity Estimates for each bid package, including highway and structures. Estimates will be prepared using CALTRANS' Basic Engineering Estimating System (BEES) and will be in accordance with Project Estimate of Cost of the PS&E Guide, latest revision. Based upon the CALTRANS' Standard Items of Work, and adding items as may be necessary.
  - CONSULTANT will provide quantities, unit costs, and estimated construction costs related to the Pumping Plant and Storm Water Storage Box extension structures for inclusion by CONSULTANT in the overall project Preliminary Construction Quantity Estimate.
  - CONSULTANT will prepare a list of all construction work items required for each bid package and a quantity estimate for each. Codes for additional items will be based upon CALTRANS Standard Items of Work Codes.
  - CONSULTANT will prepare a Preliminary Construction Cost Estimate, including highway and structures. The cost estimate will identify construction work items, quantities, unit costs, and will summarize the estimated total Project cost, including allowances for supplemental work, State-furnished materials, expenses, mobilization, and contingencies.
- j) Preliminary Construction Schedule (CONSULTANT)
- CONSULTANT will, under contract to CONSULTANT, prepare a Preliminary Construction Schedule for the selected project alternative. CONSULTANT will prepare the schedule using Microsoft Project and will be based on the data developed by the CONSULTANT.
- 2.6 Preliminary Design Report (CONSULTANT)
- CONSULTANT will submit a Preliminary Design Report with an objective to provide the current Project status, presenting information on items such as project right-of-way, and utility and construction cost estimates reconciled with the current CITY budget. The report will also summarize various elements of design for value engineering studies, addressing those elements in particular where it appears that significant cost savings or other advantages can be realized. A separate report will be provided for each bid package. The report will include the following:
- 35% Submittal
  - Design criteria
  - Design issues
  - Preliminary construction cost estimate
  - Preliminary design plans
  - Preliminary construction schedule

### **TASK 3 – RIGHT OF WAY ENGINEERING, UTILITIES AND ACQUISITION**

#### **3.1 Right-of-Way (R/W) Engineering**

CONSULTANT will be responsible for interfacing and coordinating selected right-of-way activities for the Project. CONSULTANT will assure that all right-of-way information shown on the plans are current and coordinated with the CITY OF TRACY and that all right-of-way needs for the project, including easements (permanent and temporary) and acquisitions have been determined.

CONSULTANT will prepare drawings and exhibits necessary for right-of-way engineering, including Hardcopy Map, Appraisal Maps and Acquisition Plats and Descriptions, Record Right-of-Way, Pre and Post Construction Record of Surveys, Transfer Deed, Plats and Legal Descriptions for fifteen (15) Acquisition Parcels and three (3) Temporary Construction Easements, and required closure calculations. CONSULTANT work tasks under this Task item include:

3.1.1 Horizontal Control Survey – CONSULTANT will prepare a search map for recovery of existing property corners, street monumentation, subdivisional section corners and right-of-way monumentation shown on subdivision maps, BLM documents, and CALTRANS Monumentation Maps. CONSULTANT will also perform field surveys to tie found monumentation to the primary control network and prepare the existing conditions right-of-way and Preliminary Hardcopy Map.

##### **3.1.2 Preliminary Title Reports**

Upon determination of parcels affected by acquisition, CONSULTANT will facilitate ordering the required Preliminary Title Reports.

3.1.3 Review Title Reports – CONSULTANT will review existing title report legal descriptions and easement exceptions for correctness and coordinate revision required with the CITY and Title Company. CONSULTANT will prepare title report analysis sheets in accordance with the CALTRANS Right of Way Manual.

3.1.4 Boundary Survey and Pre-Construction Record of Survey - CONSULTANT will perform an analysis to determine the location and configuration of the existing freeway and project street right-of-ways. CONSULTANT will prepare a pre-construction Record of Survey to document existing recorded boundary monumentation located and recovered during the field surveys that is anticipated to be destroyed during construction of the project. CONSULTANT will submit and process the pre-construction Record of Survey through the County of San Joaquin Surveyor's Office.

3.1.5 Appraisal Mapping – CONSULTANT will prepare an Appraisal Map package in accordance with the CALTRANS Right of Way Manual. Appraisal Maps will be based upon the final approved geometrics provided by CONSULTANT. In addition, CONSULTANT will prepare and submit a title report analysis package to CALTRANS and obtain CALTRANS Parcel Identification. CONSULTANT will prepare a draft

Appraisal Map package in accordance with the CALTRANS Right of Way Manual and submit the package to CALTRANS District 10 for review and comment. Upon receipt of comments, CONSULTANT will prepare final Appraisal Maps in response to CALTRANS comments and resubmit for approval. CONSULTANT will also obtain and submit updated Preliminary Title Reports with final Appraisal Maps.

3.1.6 Acquisition Plats, Legal Descriptions and Transfer Deeds - CONSULTANT will prepare one permanent right of way acquisition package for the affected parcels identified in the Appraisal Map. Each permanent right of way acquisition package will consist of a legal description (metes and bounds, or strip format as appropriate), and a closure report. CONSULTANT will prepare a Plat and Legal Description for each of identified Temporary Construction Easements and a closure report. CONSULTANT will prepare Transfer Deeds for acquisition parcels to the State of California.

3.1.7 Right-of-Way Staking

No right of way staking is included in the scope of work at this time.

3.1.8 R/W Hardcopy Mapping – Based on a resolved boundary and approved geometrics, CONSULTANT will prepare a Hardcopy Map for review and approval.

3.1.9 R/W Record Mapping – CONSULTANT will prepare the R/W Record Map, as outlined in Chapter 4 of the Plans Preparation Manual, that will reflect changes in the State Right-of-Way, modifications of controlled access and delineate the present the current status of all real properties including interest in real properties under the jurisdiction and control of the Department of Transportation. This includes operating R/W, (fee, easements, etc.), excess lands, access rights or other interests.

3.1.10 Post Construction Record of Survey

A post construction record of survey is not included at this time.

3.2 Right of Way Services (BRI)

CONSULTANT will perform the following Right-of-Way Acquisition activities:

a) Right-of-Way Appraisals.

- Appraisals to be prepared in accordance with California Eminent Domain Law, California Government Code Section 7260 et seq., Uniform Standards of Professional Appraisal Practice requirements, except as jurisdictionally exempt, the CALTRANS Right of Way Manual, and 49 CFR, Part 24.
- Appraisal services do not include specialty appraisals including but not limited to fixtures and equipment or loss of business goodwill. It is unknown at this time if these services will be required.
- The owner or a designated representative will be invited by the appraiser to accompany him/her during the inspection of the property.
- Appraisals will be for the "Fair Market Value" of the properties as per CCP 1263.320.

- Appraisal reports will be prepared a Summary Appraisal Report format in accordance with Uniform Standards of Professional Appraisal Practice, Standard Rule 2-2 (b).

b) Right of Way Appraisal Review

CONSULTANT will be responsible for providing the following required appraisal review services:

- Upon receiving appraisal reports, an office review of the reports using the various standards prescribed by the Federal and State Uniform Acts, FHWA, CALTRANS appraisal procedures, Uniform Standards of Professional Appraisal Practice and California Eminent Domain codes will be completed.
- A checklist identifying the various requirements of the appraisal report will be used to insure that the report contains all of the prescribed requirements.
- Upon satisfactory completion of the appraisal report a review certificate report will be prepared.

c) Right-of-Way Acquisition / Title & Escrow

- CONSULTANT will prepare the necessary acquisition documents. Said documents include, but are not limited to, offer letter, appraisal summary statement and summary of the basis for just compensation, summary statement pertaining to the acquisition of real property or an interest therein, right of way contract, public acquisition brochure, and applicable CALTRANS information.
- CONSULTANT will negotiate to acquire the property interests that are identified for the project.
- All acquisition documents to receive CITY and CALTRANS' written approval as to form prior to use in the field.
- If agreement with all owners and other required interests cannot be reached, CONSULTANT will advise CITY that negotiations have reached an impasse. The CITY will consider scheduling of an action in eminent domain including the required public necessity hearing. CONSULTANT will provide condemnation support as needed and requested, budget allowing.
- If settlement with owners and other required interests is reached pursuant to the CITY approved appraisal or CITY-approved administrative settlement, CONSULTANT will prepare a Memorandum of Settlement for transmittal to CITY. If an administrative settlement appears to be prudent, CONSULTANT will prepare a settlement discussion memorandum reviewing the issues. This memorandum will require CITY written approval before implementation of any settlement agreement. CONSULTANT will establish with CITY a process of coordinating escrow closings and reviewing escrow instructions.
- Where there are escrow closings, preparation of escrow instructions will be completed by Title Company. Approval of conditions of title and escrow instructions, including but not limited to, "subject to" title exceptions, will be done by CITY.
- Costs for escrow will be borne by the CITY.

- d) Right of Way Certification & Management
  - Prepare draft right-of-way certification for CITY and CALTRANS review.
  - Incorporate comments and prepare final draft certification for CITY and CALTRANS review and approval.

3.3 Utility Design Process

CONSULTANT will be responsible for interfacing utility design coordination with the utilities. CONSULTANT will assure that all utility information shown on plans and any other documents prepared by the CONSULTANT are current and have been coordinated with the CITY. CONSULTANT will perform the following work activities:

- Communicate with utility companies to identify utility issues (verification of facilities, relocation claim letters, etc.).
- Request potholing and verifications, including providing horizontal and vertical survey referencing. Up to ten potholes are anticipated
- Assure that utility notices and potholing information comply with CALTRANS' utility requirements
- Communicate with right-of-way and project coordinator to ensure inclusion of the proper utility permit requirements and other utility data for R/W certification and design
- Assure that necessary utility impacts caused by the proposed construction have been addressed
- Monitor progress of utility design forces
- Prepare utility relocation agreement drafts
- Confirm utility relocation plans
- Promptly review and comment on utility notices and agreements
- Manage monthly Utility Meeting

3.4 Submittals

CONSULTANT will perform in-house quality control review and submit the following Project Documents to the CITY in accordance with the approved schedule:

- Right-of-Way and Utility Documents

**TASK 4. FINAL DESIGN - UNCHECKED (65%)**

The purpose of Final Design is to progress in developing draft plans, specifications, and quantities for Final PS&E Checked (65%) design completion, and includes responding to comments received from the agencies reviewing 35% submittals and identifying and resolving conflicts. CONSULTANT will provide written response to Preliminary Design (35%) review comments received for all documents and provide justification for each comment which is not incorporated. CONSULTANT will hold meetings with CALTRANS and other agencies to resolve issues from Preliminary Design (35%) review. CONSULTANT will incorporate the agreed upon comments received from the CITY, CALTRANS, and other agencies, perform final design, and prepare Final Design Unchecked (65%) documents. The submittal will consist of all design documents which are required for the Project. CONSULTANT's submittal will include the following:

4.1 Design Plan Sheets

CONSULTANT will prepare all final Design Plan Sheets. Plans will be prepared in accordance with requirements stated in CALTRANS 2010 Standard Specifications (English Units) and Details, and, where applicable, to the OSFP Information and Procedures Guide and the Drafting and Plans Manual, all to be the latest editions. Title blocks will be signed and sealed by an appropriate California Registered Engineer at the final submittal.

Subject to CALTRANS prior approval, combining information from two or more of the above drawings on one design sheet may be allowed. Decisions to combine design information will be obtained prior to performance of any detail design in order not to impact the cost and schedule of the Project.

4.2 Specifications and Special Provisions

The project will be designed in English units to CALTRANS 2010 Standard Specifications and Details and CALTRANS' Standard Special Provisions. For all work items necessary for construction of each bid package, CONSULTANT will assemble data and prepare drafts of (1) necessary modifications to the Standard Special Provisions, and (2) additional specifications which may be necessary. Detailed information is provided in Article 4, entitled "Special Provisions," of the CALTRANS PS&E Guide. CONSULTANT will follow instructions contained in the latest edition of that publication. CONSULTANT will coordinate specifications with subconsultants to assist design interface activities.

4.3 Construction Quantities and Cost Estimate

CONSULTANT will develop the estimate of Construction Quantities and Cost Estimates to reflect design development from Preliminary Design (35%) to Final Design Unchecked (65%). CONSULTANT will perform the following:

- Prepare a Construction Quantity Estimate in the BEES format.
- Prepare a Construction Cost Estimate in the BEES format.

4.4 Construction Schedule

CONSULTANT will update the Preliminary Construction Schedule at the 65% complete level of the project and will promptly notify the CITY of any differences between the updated schedule and the Baseline Construction Schedule. CONSULTANT will compile all highway and structure construction schedule information to prepare the updated Project Construction Schedule.

4.5 Combining Highway and Structures PS&E Documents

CONSULTANT will combine all highway and structure design documents and produce a single construction contract package. Combined documents will include the following activities:

- PS&E documents.
- Right-of-way and utility relocation requirements and review of right-of-way certification documents.

- Lane closure charts with traffic study backup.
- Updated construction schedule.
- This design combination will be performed at least one week prior to the Task 3 submittal.

#### **TASK 5. FINAL PS&E - CHECKED (95%)**

##### **5.1 Design Plan Sheets**

Prior to making submittals of the PS&E-checked (95%) documents, CONSULTANT will assure that all comments are incorporated and resolved with CALTRANS and all its units, other reviewing agencies, and structures approval has been received from CALTRANS' DOS. CONSULTANT will provide written response to Final Design - Unchecked (65%), review comments, with justification noted for each comment not incorporated. CONSULTANT will attend comment resolution meetings with the CITY, CALTRANS and other agencies to resolve issues. Review at this stage of design may require several revisions and re-submittal of plans, specifications, quantities, cost estimates and the BEES list. CONSULTANT will allow adequate provisions in its design budget for reasonable changes. The submittal will be a complete set of checked documents for CITY and CALTRANS District review.

CONSULTANT will incorporate all agreed upon comments received from CALTRANS and CITY during their review and submit revised highway and bridge construction plans.

##### **5.2.1 Independent Bridge Design Check**

At the 65% complete stage of the project, CONSULTANT will conduct a comprehensive independent bridge design check. The independent design check will be performed by a senior level engineer not involved in the initial design of the project. The independent check will consist of a thorough review of the Bridge Plans and draft Bridge Special Provisions. The checker will develop a set of independent check calculations and quantities. The checker will also prepare a list of issues to be addressed by the designer for action and response.

##### **5.3 Specifications and Special Provisions**

CONSULTANT will incorporate all agreed upon comments into the Special Provisions and prepare Special Provisions which are specific to the Project for use with latest version of CALTRANS' Standard Specifications. CONSULTANT will assure that every construction work item for the Project has a method of payment stated in the Specifications and is accounted for in the Construction Cost Estimate. The CITY shall be responsible for contract boilerplate.

##### **5.4 Permits**

After receipt of permits from the permitting agencies, CONSULTANT will review conditions of all Project permits with CALTRANS and the CITY, determine if conditions can be accommodated in the Project, and update the design documents accordingly, if necessary.

**5.5 Construction Quantities and Cost Estimate**

CONSULTANT will update the Construction Quantity Estimate. CONSULTANT will submit quantity calculations showing all sketches, diagrams and dimensions necessary for their use by field inspectors. All quantity calculations will be independently checked. CONSULTANT will update the Construction Cost Estimate.

**5.6 Construction Schedule**

CONSULTANT will update the 65% Construction Schedule and will promptly notify the CITY of any difference between the updated schedule and the Construction Schedule included in the baseline schedule. CONSULTANT will compile highway and structure construction schedule information to prepare the updated Project Construction Schedule.

**5.7 Combining Highway and Structures PS&E Documents**

CONSULTANT will combine all highway and structure design documents to produce a single construction contract package. Combination will include the following activities:

- PS&E documents
- Right-of-way and utility relocation requirements and review of right-of-way certification documents
- Updated Construction Schedule
- Submittals

CONSULTANT will perform in-house quality control review and submit the following Project documents in accordance with the approved schedule:

- Design Plan Sheets
- Specifications and Special Provisions
- Permit Applications and Permits
- Quantity Estimate
- Cost Estimate
- Construction Schedule
- Sample Survey File (Updated with actual design data)
- Design Calculations
- Quantity Calculations
- Materials Report
- Foundation Report
- Independent Structural Check Calculations

**TASK 6. FINAL PS&E (100%) WITH BEES**

This task produces Final PS&E (100%) with BEES documents ready for CALTRANS' District 10 and Division of Structures (DOS) approval. CONSULTANT will review comments received from the reviewing agencies on the 95% submittals and attend comment resolution meetings with the CITY, CALTRANS, and other agencies to resolve issues. CONSULTANT will incorporate agreed upon comments and assist the CITY in preparing Bid Documents for advertisement. The following services and submittals will be provided by CONSULTANT:

6.1 Plans, Specifications and Estimates

CONSULTANT will update and incorporate into the Design Sheets, Special Provisions, and Quantity Estimates any comments received from the CITY, CALTRANS and all of its units, and other agencies. CONSULTANT will prepare all plans in AutoCAD or Microstation. All Special Provisions will be submitted in electronic MS Word format.

CONSULTANT will submit to CALTRANS the revised Quantity Estimate and obtain from CALTRANS the Basic Engineering Estimating System (BEES) estimate for the Project.

CONSULTANT will coordinate the plans, specifications, and estimates with those of other design consultants and assure that highway design interfaces with structures design when all documents are combined to form a single Project PS&E package.

6.2 Permits/RW Certification

For all permits known to be required from permitting agencies, CONSULTANT will prepare draft documents and supply required Project design and construction information to the CITY and CALTRANS to ensure conditions are resolved, and include these permits as part of the Bid Documents. CONSULTANT will update the Right of Way Certification.

6.3 Construction Bid Documents

CONSULTANT will prepare and submit the construction bid document revisions for all highway and structure design to CALTRANS for their review prior to advertisement. The Bid Documents will be prepared in accordance with the latest editions of the CALTRANS' manual, Guide for the Submittal of Plans, Specifications and Estimates, and the OSFP Information and Procedures Guide. CONSULTANT will perform in-house quality control review and submit the following documents:

- Final Design Plan Sheets
- Cross Sections (earthwork only)
- Standard Special Provisions
- Permits, Certifications and Agreements
- BEES Estimate
- Construction Schedule
- Materials Information Handout
- Quantity Summary forms for structures
- Final Design Calculations (if revised)
- Final Design Check Calculations (if revised)

CONSULTANT will incorporate into the bid documents comments received from the CITY, CALTRANS and other reviews.

6.4 Resident Engineer's File

CONSULTANT will prepare and submit a Resident Engineer's file in accordance with CALTRANS' Project Development Activities Guide, OSFP Information and Procedures

Guide, Bridge Memo to Designers, and include all project relevant items identified in the Resident Engineer's file check-off list. CONSULTANT will insure that the appropriate Resident Engineers' File items are in DOS format and assure consistency of all the design documents. The following items, as a minimum, will be included for structures:

- Bridge 4-scale plans in accordance with CALTRANS Memo to Designers 2-2 or latest practice
- Final Foundation Report
- Joint Movement Rating Calculations

- 6.5 Storm Water Pollution Prevention Plan (SWPPP)  
No SWPPP is anticipated to be provided.

## **TASK 7. BID DOCUMENTS AND BID SUPPORT**

### **7.1 Bid Documents**

CONSULTANT will incorporate into the Bid Documents, the comments received from the CITY and CALTRANS' 100% submittal. CONSULTANT shall submit updated electronic files and hard copies of Bid Documents.

### **7.2 Resident Engineer's File**

CONSULTANT will update the Resident Engineer's File, if required.

### **7.3 Survey File**

CONSULTANT will prepare a Survey File for submittal to the CITY. The Survey File submittal will conform to CALTRANS' Project Development Activities Guide and include:

- Control traverses and bench circuits used to design the project
- Alignment traverses of all Center lines
- Right-of-Way hardcopy appraisal maps
- Right-of-Way legal descriptions
- Pre-construction Record of Survey
- Bridge traverses with coordinates on abutment layout lines and wing wall layout lines
- Other structures (i.e. Soundwall) traverses with coordinates on layout lines
- Grid grades with data for:
  - Slope stakes
  - Finish Grade stakes
  - Contour grading stakes
- Drainage Notes with coordinates of intersection of center of drainage structure and curb flow line, Drainage structure system number, item letter, station and offset.

### **7.4 Bid Support**

CONSULTANT will support the CITY in the bidding process by answering any requests for information (RFI's), and providing design clarification as required. Design of any major features for CCOs or design addenda will be additional services not included in

basic Bid Support services. The CITY will prepare all copies of PS&E for distribution to bidders.

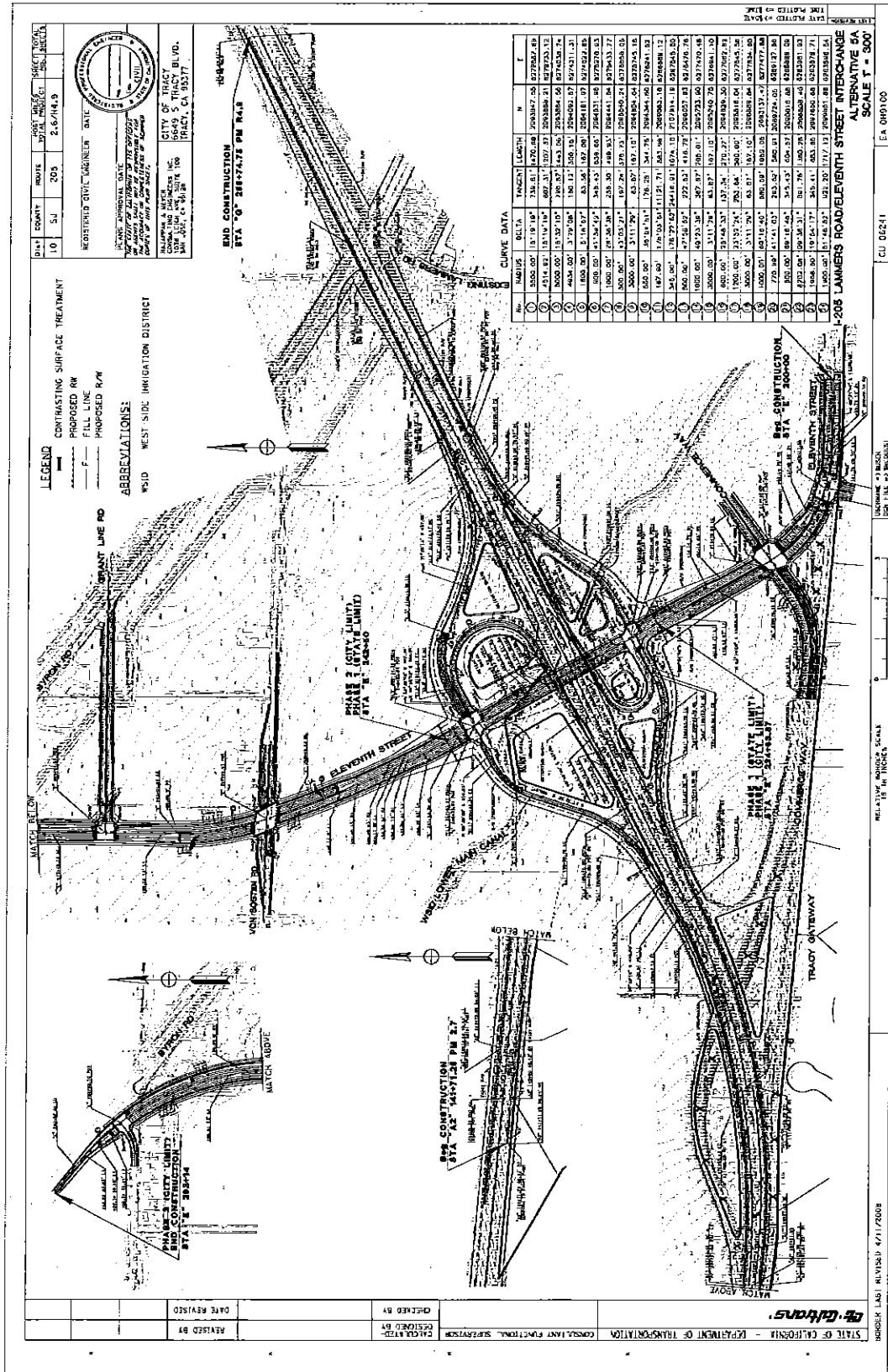
- 7.5 Construction Period Support  
This will be a future addendum.

**PROPOSED SCHEDULE**

| <b>ACTIVITY</b>                        | <b>DATE</b>    |
|----------------------------------------|----------------|
| • CITY Issue NTP                       | April 2013     |
| • Submit 30% PS&E to Caltrans          | October 2013   |
| • Review comments by Caltrans          | November 2013  |
| • Right of Way Acquisition Documents   | November 2013  |
| • Submit 60% PS&E to Caltrans          | March 2014     |
| • Review comments by Caltrans          | April 2014     |
| • Submit 90% PS&E to CT District / DOS | July 2014      |
| • Review comments by Caltrans          | September 2014 |
| • Submit 100% PS&E to DOE              | December 2014  |
| • Review comments by Caltrans          | February 2015  |
| • Right of Way Certification           | March 2015     |
| • City and Caltrans Approve Plans      | May 2015       |

REQUEST FOR PROPOSALS  
FOR THE I-205 / LAMMERS ROAD / ELEVENTH STREET INTERCHANGE PROJECT

ATTACHMENT C  
Geometric Layout



## ATTACHMENT D

### EXHIBIT 10-O1: LOCAL AGENCY CONSULTANT DBE COMMITMENT

(Inclusive of all DBEs at time of proposal)

NOTE: Please refer to instructions on the reverse side of this form.

| Consultant to Complete this Section                                                                                        |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1. Local Agency Name: _____                                                                                                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| 2. Project Location: _____                                                                                                 |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| 3. Project Description: _____                                                                                              |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| 4. Consultant Name: _____                                                                                                  |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| 5. Contract DBE Goal %: _____                                                                                              |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| DBE Commitment Information                                                                                                 |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| 6. Description of Services to be Provided                                                                                  | 7. DBE Firm<br>Contact Information | 8. DBE Cert.<br>Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 9. DBE % |
|                                                                                                                            |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|                                                                                                                            |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|                                                                                                                            |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|                                                                                                                            |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|                                                                                                                            |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|                                                                                                                            |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|                                                                                                                            |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|                                                                                                                            |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| <div style="text-align: center; background-color: #d3d3d3; padding: 2px;">Local Agency to Complete this Section</div>      |                                    | 10. Total<br>% Claimed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | _____ %  |
| 16. Local Agency Contract Number: _____                                                                                    |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| 17. Federal-aid Project Number: _____                                                                                      |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| 18. Proposed Contract Execution Date: _____                                                                                |                                    | <div style="border-bottom: 1px solid black; margin-bottom: 5px;">11. Preparer's Signature</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">12. Preparer's Name (Print)</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">13. Preparer's Title</div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="border-bottom: 1px solid black; width: 45%;">14. Date</div> <div style="border-bottom: 1px solid black; width: 45%;">15. (Area Code) Tel. No.</div> </div> |          |
| Local Agency certifies that all DBE certifications are valid and the<br>information on this form is complete and accurate: |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| 19. Local Agency Representative Name (Print)                                                                               |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| 20. Local Agency Representative Signature                                                                                  | 21. Date                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| 22. Local Agency Representative Title                                                                                      | 23. (Area Code) Tel. No.           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |

Distribution: (1) Original – Submit with Award Package  
(2) Copy – Local Agency files

## INSTRUCTIONS - LOCAL AGENCY CONSULTANT DBE COMMITMENT

### Consultant Section

#### *The Consultant shall:*

1. **Local Agency Name** – Enter the name of the local or regional agency that is funding the contract.
2. **Project Location** - Enter the project location as it appears on the project advertisement.
3. **Project Description** - Enter the project description as it appears on the project advertisement (Bridge Rehab, Seismic Rehab, Overlay, Widening, etc)..
4. **Consultant Name** - Enter the consultant's firm name.
5. **Contract DBE Goal %** - Enter the contract DBE goal percentage, as it was reported on the Exhibit 10-I form. See LAPM Chapter 10.
6. **Description of Services to be Provided** - Enter item of work description of services to be provided. Indicate all work to be performed by DBEs including work performed by the prime consultant's own forces, if the prime is a DBE. If 100% of the item is not to be performed or furnished by the DBE, describe the exact portion to be performed or furnished by the DBE. See LAPM Chapter 9 to determine how to count the participation of DBE firms.
7. **DBE Firm Contact Information** - Enter the name and telephone number of all DBE subcontracted consultants. Also, enter the prime consultant's name and telephone number, if the prime is a DBE.
8. **DBE Cert. Number** - Enter the DBEs Certification Identification Number. All DBEs must be certified on the date bids are opened. (DBE subcontracted consultants should notify the prime consultant in writing with the date of the decertification if their status should change during the course of the contract.)
9. **DBE %** - Percent participation of work to be performed or service provided by a DBE. Include the prime consultant if the prime is a DBE. See LAPM Chapter 9 for how to count full/partial participation.
10. **Total % Claimed** – Enter the total participation claimed. If the Total % Claimed is less than item "6. Contract DBE Goal", a Good Faith Effort (GFE) is required.
11. **Preparer's Signature** – The person completing this section of the form for the consultant's firm must sign their name.
12. **Preparer's Name (Print)** – Clearly enter the name of the person signing this section of the form for the consultant.
13. **Preparer's Title** - Enter the position/title of the person signing this section of the form for the consultant.
14. **Date** - Enter the date this section of the form is signed by the preparer.
15. **(Area Code) Tel. No.** - Enter the area code and telephone number of the person signing this section of the form for the consultant.

### Local Agency Section:

#### *The Local Agency representative shall:*

16. **Local Agency Contract Number** - Enter the Local Agency Contract Number.
17. **Federal-Aid Project Number** - Enter the Federal-Aid Project Number.
18. **Contract Execution Date** - Enter the date the contract was executed and Notice to Proceed issued. See LAPM Chapter 10, page 23.
19. **Local Agency Representative Name (Print)** - Clearly enter the name of the person completing this section.
20. **Local Agency Representative Signature** - The person completing this section of the form for the Local Agency must sign their name to certify that the information in this and the Consultant Section of this form is complete and accurate.
21. **Date** - Enter the date the Local Agency Representative signs the form.
22. **Local Agency Representative Title** - Enter the position/title of the person signing this section of the form.
23. **(Area Code) Tel. No.** - Enter the area code and telephone number of the Local Agency representative signing this section of the form.