

COST PROPOSAL

# **Interstate 15 Nichols Road Interchange Improvement Project Project Approval and Environmental Document Services**

City Project No. Z10082



**City of Lake Elsinore  
Engineering Department**

*May 2025*





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## Project Fee Summary



PROJECT FEE SUMMARY												
I-15 Nichols Rd Interchange Improvements PA&ED		HDR	ARE	BEC	EMI	F&P	GDC	GUI	ICF	MBI	P360	Total
PA&ED Phase	Task 100 - Project Management	\$513,894.14	\$15,961	\$0	\$3,598.58	\$48,178.44	\$0.00	\$0.00	\$178,415.89	\$0.00	\$0.00	\$760,048.49
	Task 160: Perform Preliminary Engineering Studies and Draft Project Report	\$894,262.19	\$0	\$0	\$106,657.44	\$201,192.09	\$0.00	\$116,215.88	\$0.00	\$234,192.75	\$36,874.98	\$1,589,395.33
	Task 165: Prepare Environmental Studies and Prepare Draft Environmental Document	\$242,651.29	\$30,193	\$18,250	\$3,117.60	\$0.00	\$80,100.50	\$0.00	\$937,886.54	\$177,141.09	\$0.00	\$1,489,339.68
	Task 175: Circulate Draft Environmental Document and Select Preferred Project Alternative	\$127,022.68	\$26,641	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$87,716.04	\$0.00	\$0.00	\$241,379.44
	Task 180: Prepare and Approve Project Report and Final Environmental Document	\$170,042.03	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$142,253.94	\$23,205.47	\$0.00	\$335,501.44
	ODC	\$4,046.76	\$34,800	\$249	\$0.00	\$11,400.00	\$18,800.00	\$55,250.00	\$20,835.00	\$664.00	\$2,145.00	\$148,189.76
	Sub Total	\$1,951,919.08	\$107,595	\$18,499	\$113,373.63	\$260,770.53	\$98,900.50	\$171,465.88	\$1,367,107.41	\$435,203.31	\$39,019.98	\$4,563,854.14
Optional Tasks	TASK A - Funding (Optional)	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00
	ODC	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0.00
		\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0.00
	Sub Total	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00
	Total	\$1,951,919.08	\$107,594.79	\$18,499.04	\$113,373.63	\$260,770.53	\$98,900.50	\$171,465.88	\$1,367,107.41	\$435,203.31	\$39,019.98	\$4,563,854.14
												\$4,563,854.14

LEGEND	
Abbreviation	Legal Company Name
HDR	HDR Engineering, Inc.
ARE	Arellano Associates, Inc.
BEC	Bargas Environmental Consulting, LLC
EMI	Earth Mechanics, Inc.
F&P	Fehr & Peers
GDC	Group Delta Consultants, Inc.
GUI	Guida
ICF	ICF Jones & Stokes, Inc.
MBI	Michael Baker International, Inc.
P360	Procura360 Group



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## Scope of Work





## **I-15 & NICHOLS ROAD INTERCHANGE PROJECT PA&ED SCOPE OF WORK**

This document describes the scope of work of the preliminary engineering and environmental services for the development of a Project Report (PR) and Environmental Document (ED) for the Interstate 15 (I-15) Nichols Road Interchange Improvements within the City of Lake Elsinore. This project will address the existing and future capacity needs of the interchange and adjacent local road intersections. The PR and ED will be prepared based on the Caltrans approved Project Study Report Project Development Support (PSR-PDS), December 2024, and the scope of services as outlined in the City of Lake Elsinore (City) *Request for Proposal for Professional Engineering Services for the Interstate 15 Nichols Road Interchange Improvement Project, Project Approval & Environmental Document (PA&ED) Services January 30th 2025*.

The level of effort is based on (1) preparation of an Environmental Impact Report (EIR)/Environmental Assessment (EA) (2) a schedule of up to 36 months per the RFQ to complete PA&ED, (3) evaluation of three build alternatives and the No Build condition, and (4) the project will not be processed pursuant to the National Environmental Policy Act (NEPA)/404 Integration Memorandum of Understanding (MOU). In the event the project schedule extends beyond the anticipated 36 months, scope and budget will be discussed with the City to determine the next course of action. Environmental documentation will be prepared pursuant to the most current laws, regulations, policies, reference materials/guidelines available or known of at the time the work is undertaken. In addition, environmental analysis procedures will be followed pursuant to the most current information available within the Caltrans Standards.

The project will study up to three Build Alternatives and the No Build Alternative. All work will be performed using US Customary (English) units of measure. All documents shall be prepared in accordance with current, Caltrans, Riverside County (County) and City of Lake Elsinore (City) regulations, policies, procedures, manuals, and standards where applicable. CONSULTANT shall obtain, at its expense, all applicable Manuals and Standards.

After three Build Alternatives are further developed for PA&ED and early Technical Studies are completed, the alternatives will be screened with the City and Caltrans District 8 to determine which concepts are deemed as viable economically and operationally with the best cost benefits for the Project. The PA&ED phase will be accomplished for the most viable and cost-effective build alternatives with development of Geometric Approval Drawings (GADs) for the Preferred Build Alternative as deemed by the City and selected by the Project Delivery Team (PDT). The Preferred Build Alternative will be selected following the Public Hearing after public circulation of the Draft Environmental Document (DED) and Draft Project Report (DPR). PA&ED services will be complete with GAD, Design Standard Decision Document, Final Project Report and Final Environmental Document approval

- The NEPA document will be an EA and the California Environmental Quality Act (CEQA) document will be an EIR for the Project.
- Caltrans will be the lead agency for NEPA and CEQA. The City will be a NEPA and CEQA responsible agency.

- It is assumed that Caltrans District 8 is the reviewing and final approval agency and that the Federal Highway Administration (FHWA) will NOT be involved in the review or approval of any of the environmental documentation, with the exception of air quality conformity. The District 8 staff involved in the approval process herein will be called the NEPA Assignment.
- A MAR may be deemed as not necessary depending on the Build Alternative selected. CONSULTANT will coordinate with FHWA on if a MAR will be required based on the alternative that is selected.

#### Technical Assumptions:

- Focused protocol surveys for any species are not included in this scope and cost, other than those specified under the Natural Environment Study (NES) scope. If focused surveys are identified during the biological field reconnaissance, then this will be communicated to The City and Caltrans and a scope and cost for this work will be provided.
- The purpose and need that is developed for the project will not require extensive discussion and/or revisions.
- All submittals will be electronic, no hard copies will be submitted unless specifically stated in this scope of work.
- Permit applications and processing (Section 401 Water Quality Certification, Section 404 permit, and Section 1602 Streambed Alteration Agreement) are not included in this scope of work because permits would be obtained during the final design phase. Initial coordination efforts with appropriate resource agencies on permits are included as part of this environmental document preparation process.
- Only three project build alternatives will be evaluated during the assessment.

Only those tasks specifically identified in this scope and cost are assumed to be included. No other effort or tasks are assumed or implied. The California Department of Transportation (Caltrans) Work Breakdown Structure (WBS) is the basis for the project tasks outlined in this scope of work.

## **100 PROJECT MANAGEMENT**

### **100.10 Project Management – Coordination/Administration**

This task includes the management of the PA&ED component, from initiation through completion. The services provided include the initiation, planning, execution, control, and closeout of the PA&ED component.

CONSULTANT will provide overall project management, coordination, and supervision of project staff and subconsultants to facilitate the performance of the work in accordance with the scope and requirements of the City. In meetings with Caltrans and other local agencies, CONSULTANT would act as agents of the City, communicating the needs and intentions of the City to the other agencies. This strategy of project management depends on clear and frequent communication with the City, which CONSULTANT will accomplish through the following tasks.

#### **100.10.10 Monthly PDT Meetings (36)**

CONSULTANT will hold monthly PDT meetings for the project duration, with an anticipated total of thirty six (36) meetings. The City, Caltrans, and relevant stakeholders (as determined by the City and Caltrans) will be invited. The purpose of the PDT meetings will be to discuss project



status, convey information, receive data, discuss issues, coordinate with affected agencies, submit deliverables, receive comments, and discuss tasks to be worked on in the next 30-60 days.

#### **100.10.10 PDT Agenda and Meeting Minutes**

CONSULTANT will prepare an agenda for each meeting to be distributed before the meeting. CONSULTANT will also prepare meeting minutes that will be sent to the City for review and approval no more than five (5) working days after the meeting. The agenda will include the look ahead schedule.

**Deliverables:** PDT Meeting Agendas and Minutes

#### **100.10.10 Project Scheduling**

Prepare a *Microsoft Project* schedule that will be updated on a monthly basis.

**Deliverables:** Project Schedule

#### **100.10.10 Project Management PA&ED Execution and Control**

CONSULTANT will provide overall project management, coordination, and supervision of our project staff and subconsultants to complete the scope of the work in accordance with the contract and requirements of the City. CONSULTANT will assimilate the project goals and perspective of our client into our Management Plan and act on their behalf to attain their goals. In meetings with Caltrans and other local agencies, CONSULTANT would act as agents of the City communicating the needs and intentions of the City to the other agencies. CONSULTANT will have clear and frequent communication with the City which CONSULTANT will accomplish through face-to-face meetings, telephone consultations, e-mail and written progress reports. The objective is to develop and establish all of the management tools and documents to implement the City's goals and the contract scope. This will be implemented through preparation of a Project Management Plan and the following subtasks.

#### **100.10.10 Project Communications Plan/Risk Management Plan**

CONSULTANT will develop project management tools as documented in the Project Management Plan at the project's onset. This includes a Communications Plan, and Risk Management Plan, with review of information occurring semi-annually.

**Risk Management Plan** will enable the project team to identify, analyze and manage risks as they arise and change through the life of a project. It allows potential obstacles to successful project delivery to be identified and dealt with early, thereby minimizing their impact on project cost, scope, schedule, and quality. Appropriately managing risks will help the Department meet its project delivery commitments and provide project stakeholders better information on which to make project decisions.

The Risk Management Plan will include risk identification, analysis, an appropriate risk response strategy, monitoring, and control. The Risk Management Plan will be initially developed at the beginning of the project. Since risks change and emerge as the project progresses, the Risk Management Plan will be continually managed and re-evaluated throughout the project development process. At a minimum, the plan shall be re-assessed at major project milestones.

**Deliverables:** Public Communications Plan, and Risk Management Plan,

#### **100.10.10 Monthly Progress Reports/Invoices**

CONSULTANT will prepare a Progress Report and Invoice on a monthly basis which will reflect progress through the previous month. The Progress Report will include spreadsheets showing hours expended by roll-up tasks activities undertaken during the previous month. The progress report will summarize work completed during this period, upcoming work, and any issues to address that affect scope, schedule, progress, or risks related to PA&ED.

**Deliverables:** Monthly Progress Reports/Invoices.

#### **100.10.10 Quality Management Plan (QMP)**

CONSULTANT will prepare and maintain a quality management plan that will be in effect during performance of the services under this Agreement. The QMP program will address reports, plans, studies, estimates, and other formal deliverables and documents submitted under the Agreement. A project specific QMP will also be prepared by the CONSULTANT for submittal to Caltrans, per District 8 current requirements to perform reviews of the CONSULTANTS deliverables.

**Deliverables:** Quality Management Plan, Project specific QMP for Caltrans

#### **100.10.05 PA&ED Project Management Plan**

The Project Management Plan will be created under this activity. The specific elements of the Project Management Plan are listed below:

- Create work plan for the PA&ED component which includes the projects scope, cost, and schedule elements.

- Create Quality Management Plan for the PA&ED component.

- Create Communication Management Plan for the PA&ED component.

- Create Risk Management Plan for the PA&ED component.

**Deliverable:** Project Management Plan

#### **100.10.10 Public Outreach/Council Meetings**

CONSULTANT will attend up to four (4) council meetings and/or presentations with the City for the project duration. The purpose of the council meetings will be to discuss project status, and convey information, with the City Council members.

#### **100.10.15 Project Management PA&ED Close-Out**

CONSULTANT will perform the activities to close out the project and provide hard copy reports for the City to retain. It is assumed that these activities would be limited to final project documentation preservation activities related to PA&ED. They include archiving report and technical study files from the team, memos, letters, other key agency correspondence and deliverables in chronological order.

**Deliverables:** PA&ED Close-Out Checklist



## **160 PERFORM PRELIMINARY ENGINEERING STUDIES AND DRAFT PROJECT REPORT**

### **160.05 Data Collection**

This activity includes review of any new information assembled and developed during the previous phases of work, as well as a preliminary assessment of what additional information may be required during the project report and environmental document development.

CONSULTANT will collect and review any new project data from sources including Caltrans Districts 8 and Headquarters; the City; City of Lake Elsinore, and Riverside County; and water resource agencies from projects that have been initiated since the data collection occurred in the previous project phase.

These data will include geotechnical information, survey monuments, traffic data, as-builts, and other studies and reports applicable to the corridor

In addition, CONSULTANT will review the available reports, studies, and plans along I-15. The purpose of this review will be to determine the locations for planned tolling points and advance signing.

Field reviews will be performed by the HDR team as it pertains to each specialty disciplines.

### **160.10 Encroachment Permit**

CONSULTANT will complete the Encroachment permit applications for both the City and CONSULTANT per Caltrans current requirements. CONSULTANT will keep the encroachment permits up to date for the project duration.

#### **160.10.10 Traffic**

##### Traffic Analysis Approach and Methodology Technical Memorandum:

For a project scoping process, CONSULTANT will prepare a Methodologies and Assumptions Memorandum for the City and Caltrans to approve. This memorandum will describe the following:

- Study intersections;
- Baseline traffic data approach;
- Analysis procedures and assumptions;
- Traffic forecasting methodology and tools; and
- General approach to preparing the Traffic Operations Analysis Report (TOAR)

During the project scoping process, CONSULTANT proposes to work with the City and project team to review potentially viable alternatives that should be carried forward in the PA&ED process. We anticipate this initial screening to include up to three build alternatives (plus the no-build alternative) will be identified and carried through full evaluation for all Caltrans deliverables.

##### Data Collection and Existing Conditions Analysis:

This scope of services assumes analysis at up to the following study intersections:

- Power Sports Storage Driveway at Lake Street
- I-15 Southbound ramps at Lake Street
- I-15 Northbound ramps at Lake Street

- Walker Canyon Road at Lake Street
- Collier Avenue at Nichols Road
- I-15 Southbound ramps at Nichols Road
- I-15 Northbound ramps at Nichols Road
- Chandler Aggregates Quarry Driveway at Nichols Road
- Bedrock Road at Nichols Road
- Collier Avenue at Central Avenue
- I-15 Southbound Ramps at Central Avenue
- I-15 Northbound Ramps at Central Avenue
- Dexter Avenue at Central Avenue

Collection of traffic counts at all 12 study intersections during the AM and PM peak periods (6-9 AM, 4-7 PM). Additionally, traffic counts will include vehicle classification counts and pedestrian/bicycle counts for incorporation into the air quality and noise environmental assessments.

Analysis of the following freeway locations will be completed. Counts will be collected from Caltrans PeMS database but new mainline counts will also be collected from the Nichols Road overcrossing to verify the PeMS data:

1. Northbound Freeway Basic, Merge, Diverge, and/or Weave assessment on I-15 from south of the Central Avenue interchange to north of the Lake Street interchange
2. Southbound Freeway Basic, Merge, Diverge, and/or Weave assessment on I-15 from north of the Lake Street interchange to south of the Central Avenue interchange

#### Traffic Volumes Report:

The most current information available will be used to prepare traffic forecasts for this project. It is anticipated that RIVCOM, the updated version of RIVTAM consistent with the SCAG 2024 RTP/SCS, will be used in this project for traffic forecasting for project Opening Year and Design Year scenarios. A review of land use in the surrounding study area will be prepared and confirmed with the City.

CONSULTANT will develop the Design Year forecasts by applying the growth calculated from the base year and future year models to the existing traffic volumes. The Opening Year forecasts will be developed using interpolation between existing and Design Year volumes. Given that we anticipate this project to add capacity to Nichols Road, CONSULTANT will develop different No Build and Build alternative volumes reflecting the added capacity to Nichols Road (e.g. different number of lanes on this segment of roadway). This is a relatively new requirement by Caltrans to ensure that forecasts are consistent with the lane assumptions between the No Build and Build scenarios.

The AM and PM peak hour and daily volumes will be developed at the study intersections and freeway analysis locations during both Opening Year and Design Year conditions that will be used for other resource categories. To aid in this effort, CONSULTANT will collect daily vehicle classification counts at four other locations to aid in air quality and noise assessment needs.

#### ISOAP:

CONSULTANT will evaluate the project in accordance with Caltrans new ISOAP process. This analysis will be performed at the I-15 ramp intersections with Nichols Road.



#### Traffic Operations Analysis Report (TOAR):

The TOAR will provide summary and conduct operations analysis at study locations for study scenarios, as well as complete a safety review (looking at existing collision information).

Traffic Operations Analysis: CONSULTANT will conduct intersection capacity and freeway capacity assessment using the VISSIM microsimulation software intersection analysis. CONSULTANT will conduct the AM and PM peak hour LOS analysis at the study intersections and freeway mainline segments during the following scenarios:

- Existing Conditions
- Opening Year No Build Alternative
- Opening Year Build Alternative 1
- Opening Year Build Alternative 2
- Opening Year Build Alternative 3
  
- Design Year No Build Alternative
- Design Year Build Alternative 1
- Design Year Build Alternative 2
- Design Year Build Alternative 3

Delay and level of service will be reported at all intersections. Queuing estimates will be provided for movements along Nichols Road and at all off-ramps.

Safety Analysis: This scope assumes a typical safety review of Caltrans TASAS data for existing conditions but assumes the Highway Safety Manual (HSM) assessment will be completed by the roadway engineer.

Documentation: CONSULTANT assumes two rounds of draft submittal, review and comments from Caltrans. CONSULTANT will respond to two rounds of consolidated comments and submit the Final Document. Please note, our process recently with Caltrans District 8 has been to receive a finding of “no future comments” from Caltrans on our TOAR. However, Caltrans will not “approve” the TOAR without the completed HSM assessment. CONSULTANT will submit a 3rd version of the TOAR that will incorporate the HSM assessment completed by the roadway engineer so that the TOAR can be approved.

**Deliverables:** Traffic Methodology Memo, Draft and Final Volumes Development Report, Draft and Final TOAR, Draft and Final ISOAP

#### **160.10.11 Vehicle Miles of Travel (VMT):**

With SB-743, CEQA must now evaluate VMT as the impact metric associated with transportation. For the PA&ED phase of the project, Caltrans has defined the following key deliverables that will be completed by CONSULTANT as part of this effort:

- Induced Travel Study Methodology Memorandum – This will document and describe how the VMT assessment will be completed including the methodology employed for the effort.
- VMT Study, Draft – The draft quantitative VMT analysis results will be documented in a report. Any significant VMT impacts will be identified.
- VMT Study, Final – We will respond to Caltrans comments on the draft submittal as final. This document will be shared with Caltrans Headquarters for concurrence.

- Mitigation Scoping Plan - This step is only required if the project is determined to lead to a measurable and substantial increase in vehicle travel. However, this document will summarize any proposed mitigation associated with the project to off-set the induced travel impacts of the project.
- Induced Travel Risk Assessment - This step is only required if the project is determined to lead to a measurable and substantial increase in vehicle travel and the induced VMT is not fully mitigated. A subsequent memorandum summarizing the findings will be submitted to Caltrans Headquarters for review and concurrence documenting why VMT mitigation is not feasible with the project.

Based on other studies completed, the CONSULTANT current recommended practice is to document induced VMT estimates from both the RIVCOM model and using the Caltrans NCST calculator and also document the limitations of both approaches. We will also reduce the induced VMT estimates by subtracting out the truck VMT in both estimates as SB 743 only addressed induced travel associated with passenger cars. This nuance will change the level of mitigation and is important to distinguish as part of the VMT estimates. Finally, the VMT assessment and all draft documents will use the Caltrans TAF (Transportation Analysis Framework) and TAC (Traffic Analysis for CEQA) to guide the analysis process.

**Deliverables:** Induced Travel Study Methodology Memorandum, Draft and Final VMT Study, Mitigation Scoping Plan, Induced Travel Risk Assessment

#### **160.10.15 Geometric Plans for Project Alternatives**

CONSULTANT will develop layout plans and profiles (where necessary) for up to three (3) Build Alternatives, to be carried forward in the draft PR to support the development of the Draft EIR/EA. Geometric layout plans shall be developed based on English design standards as defined in Caltrans Highway Design Manual, latest edition. Lane, shoulder, buffer, and right-of-way widths will be labeled. Profiles shall be developed at critical arterial street and other features overcrossing locations as a component of the build alternatives carried forward in the EIR/EA. The Consultant shall work with Caltrans and the City to obtain geometric approval of the preferred alternative. Comments received from the submittal of geometric plans will be reviewed and incorporated as required for final approval.

**Deliverables:** Geometric plans for three (3) build alternatives at 1"=50' scale. Layout Plans of the build alternatives of the Project (electronic submittals / 10 copies Draft PR circulation)

#### **160.10.16 Prepare Construction Staging Concept Plans**

CONSULTANT will prepare a concept stage construction schematic for each of the three build alternatives. The construction staging concept schematic will depict the overall sequencing of construction for each alternative to balance the construction production, advance construction area signage for the temporary footprint determinations, traffic delay impact, laydown areas, material / equipment staging areas and related cost such as Temporary Construction Easements (TCE) if beyond the State or Public R/W. A summary providing a brief comparison of advantages and challenges of the alternatives from the perspective of construction staging will be included. The construction staging concept plans will show where the construction is occurring and where traffic is maintained during construction (i.e., identify opened lanes of travel and general construction areas). The construction staging concept plans basically consist of an overview. Details will be included when further clarification is needed to illustrate complex aspects of the plan. The concept



stage construction plans (25 sheets) will be prepared at 1" = 200' scale (approximately 1" = 400' for reduced plans).

**Deliverables:** Concept stage construction plans for three (3) alternatives (maximum).

#### **160.10.20 Value Analysis (VA) Study**

In an effort to deliver the most cost-effective solution, an independent team of experts as agreed to by the City and Caltrans will evaluate the three Build Alternatives being developed to ascertain their effectiveness with regards to costs, time of delivery and other benefits.

The VA study will follow established FHWA and SAVE International processes to identify and evaluate alternative project solutions. In addition to abiding with SAVE/FHWA processes, this VA study will follow the Caltrans VA methodology as outlined in Chapter 19, "Value Analysis" of the Project Development Procedures Manual (PDPM) and as detailed in the latest Caltrans VA Team Guide and Report Guide.

The VA Study will include;

- Provide a qualified, independent Certified Value Specialist (CVS) team leader to lead a VA study in accordance with Caltrans value methodology
- Facilitate VA Study Meetings, including, including the Prestudy Meeting, VA Workshop and an Implementation Action Meeting.
- Assist in recruiting VA study participants as identified or selected the Consultant and Local Agency.
- Ensure that applicable data and correspondence and any other relevant information necessary for the VA study is collected, developed, and distributed.
- Complete the Preliminary and Final VA Study Report with input/review of VA Team and technical reviewers in accordance with the Caltrans VA Report Guide.
- Provide Caltrans VA Program Managers electronic copies of the Preliminary and Final VA Study Reports for inclusion in their annual reports to FHWA

**Deliverables:** Draft and Final VA Study Report (electronic PDF)

#### **160.10.25 Hydraulics/Hydrology Studies**

##### **Preliminary Hydrology Study**

CONSULTANT will prepare the Preliminary Hydraulics/Hydrology Study which will identify drainage impacts including the conceptual relocation or realignment of adjacent channels and storm drains and determine the drainage improvements for on-site and off- site drainage facilities for the build alternatives. This will be identified in coordination with Water Quality Best Management Practices.

This effort will include field reconnaissance of the project site that will be performed relative to the limits of three the build alternatives. Impacts on and replacement of any drainage facilities shall be analyzed and included in the Project cost estimate. Preliminary hydrology will be prepared for the proposed onsite areas for three (3) build alternatives. Freeway cross drainage will be extended as needed to accommodate the build alternatives, but hydrology will be obtained from either the City, County, or Caltrans and will not be developed as part of this scope of work. Freeway, County, and City drainage systems will be reviewed and the impacts of the proposed alternative on these facilities will be studied. Necessary replacements, protection, and/or improvements including incorporation of Water

Quality Best Management practices will be reflected in the Project cost estimates.

**Map Interchange Existing Drainage Patterns and Regional Boundaries:**

CONSULTANT will perform preliminary hydrology to identify on-site drainage patterns and compare to established local drainage boundaries. Evaluate three (3) build alternatives and identify measures needed to match the existing (no-build) drainage patterns with respect to existing drainage boundaries and washes.

**Identify Tie-ins to existing Cross Culverts and existing Regional Drains:**

Establish the existing points of connection to on-site drainage systems and regional drainage channel, document hydraulic control information and assumptions for preliminary design. Provide locations and sizes for new or replacement tie-ins to accommodate the two build alternatives. Interface Connections with potential BMPs – Using BMP types, locations and sizes from the SWDR, the points of discharge and points of connection to the conceptual drainage systems will be established.

**Preliminary On-site Storm Drains:**

Preliminary layouts of storm drains to accommodate interchange improvements. Three alternatives will be shown to define alternative costs. Identification of the on-site drainage needs will be a key component to establishing an accurate project cost.

**Preliminary Hydraulics Report (PHR)**

CONSULTANT will obtain the existing hydraulic model for Temescal Wash (from RCFC&WCD) and prepare a proposed condition hydraulic model for the Temescal Bridge. The flow rates will not be updated. A PHR will be developed following the format of the Caltrans Memo to Designers 16-1. The build alternatives from the PSR-PDS that was prepared did not indicate that there was significant improvements on Stovepipe Canyon Wash, and therefore a PHR for Stovepipe Canyon is excluded from this scope.

**Deliverables:** Preliminary Hydrology Study (Draft & Final), One (1) PHR (Draft & Final)

**160.10.26 Drainage Concept Plans**

Existing freeway drainage systems will be plotted on drainage layout sheets based on information available on record drawings from Caltrans. On-site drainage facilities for the widening will be evaluated and identified for the Build alternatives. CONSULTANT will identify critical locations to determine the extent of potential on-site drainage improvements or modifications including drainage inlets, and develop conveyance systems to accommodate the inlet locations. Estimates of design discharges will be developed based on the Preliminary Hydrology Study completed in WBS item 160.10.25. These values will be used to determine the adequacy of the existing facilities and estimate preliminary sizing of the proposed drainage systems/modifications within the project site. Conceptual drainage plans will be prepared at a scale of 1" = 50 ft for the project length. No profiles sheets will be provided.

**Deliverables:** Drainage Concept Plans

**160.10.27 Storm Water Data Report**

In accordance with the 2023 Project Planning and Design Guide, a Storm Water Data Report (SWDR) shall be prepared. The SWDR will include the following information: Project description, identification of the receiving water bodies, geotechnical information, design pollution prevention and post-construction BMPs proposed, costs, and checklists. The SWDR will be prepared and revised at the Draft and Final PR phases.

**Deliverables:** Storm Water Data Report (long form) for 4 build alternatives (maximum)

#### **160.10.40 Updated Right-of-Way Data Sheets**

CONSULTANT will prepare Right-of-Way Data Sheets in accordance with the Caltrans Right of Way Manual (based on the most recent revision) for three (3) build alternatives including the following information:

- ROW requirement cost estimate (permanent & temporary)
- Parcel data utility
- Facility conflicts; railroad facility conflicts
- Identification of previously unidentified hazardous materials
- Displacement requirements
- Borrow or disposal sites required
- Potential relinquishments and/or abandonments
- Existing and/or potential airspace sites
- Estimated right-of-way schedule and lead time

**Deliverables:** Right-of-Way Data Sheets

#### **160.10.41 Determine Right-of-Way Requirements**

CONSULTANT will determine right-of-way requirements for three (3) build alternatives. Right-of-way requirements will be established in Microstation format and tabulated in an Excel spreadsheet with parcel number identification and area of acquisition required. It is anticipated that 17 properties will have construction easements or partial/full right of way takes for the 4 Build alternatives.

**Deliverables:** Tabulated Right-of-Way Requirements

#### **160.10.45 Utility Locations Determined for Preliminary Engineering**

CONSULTANT will research and obtain existing utility record drawings and establish a utility contact list. Contacts will be made with each utility company affected and a preliminary determination of relocation requirements will be made. Conceptual relocation alignments will be shown on the utility base maps. Prior rights determination is not included in this work program.

Using the record drawings obtained from the utility search, CONSULTANT will map existing utilities within the project area contained in State R/W and adjacent local roads in County or City R/W. A utility matrix will be used to document no conflict, relocations, or protection requirements for owning agencies, the size of the utility, and existing facility material as available from record maps to develop costs estimates used in the R/W Data Sheet and Project Report.

**Deliverables:** **Utility** record drawings, owner contact list and existing utility mapping; Utility conflict matrix, Photo Log, and Conceptual Utility Relocation or Protection Cost Estimates

#### **160.10.80 Geotechnical Information & LCCA**

##### **Preliminary Materials Report and LCCA**

CONSULTANT will prepare a Preliminary Materials Report (PMR) to provide pavement structural sections, corrosion potential of on-site soils and culvert materials requirements.

The evaluation will be based on a review of available existing subsurface data and will not include field investigations, borings or laboratory testing. EMI will follow Caltrans pavement design procedure using traffic indices and pavement design lives provided by the Civil Designers. Information on existing pavement sections will be based on the Typical Section Sheets provided by the Civil Designers. Recommendations for rehabilitation of existing pavements will not be included in this report. The calculated pavement sections will be used to perform a pavement Life Cycle Cost Analysis (LCCA) to identify the most cost-effective pavement alternative for the long term (initial costs plus long-term maintenance and repair costs).

#### Preliminary Geotechnical Design Report

CONSULTANT will prepare a Preliminary Geotechnical Design Report (PGDR) documenting the site geotechnical and geologic conditions. The PGDR will include topography, geology and identification of potential geologic hazards, liquefaction potential and general mitigation measures with respect to geologic and seismic hazards for input to the environmental document. CONSULTANT will also address stability and settlement of proposed roadway embankments. The evaluation will be based on a review of existing subsurface data and will not include field investigations, borings or laboratory testing.

**Deliverables:** Preliminary Materials Report (PMR), LCCA & District Preliminary Geotechnical Report (PGDR)

#### **160.10.85 Structure Advance Planning Study**

- Perform Advance Planning Study (APS) for each bridge structure alternative and each non-standard retaining wall to evaluate the type of structure, foundation and its constructability issues, calculations of horizontal and vertical clearances (if applicable), and structure cost.
- Develop the APS Report based on Caltrans' *Memo to Designers (MTD) 1-8* and Caltrans' Office of Specially Funded Projects' (OSFP) *Information and Procedures Guide*, including a preliminary seismic retrofit assessment of the existing bridge structure.
- A General Plan (GP) will be developed for each structure based on the proposed project alternatives. One structure type will be recommended in the APS report.

The following new bridge and existing overcrossing will be studied:

<i><b>Item No.</b></i>	<i><b>Structure Name</b></i>	<i><b>No.</b></i>	<i><b>Type</b></i>
1	Nichols Road Overcrossing	56-0725	OC
2	Temescal Creek Bridge	XX-XX	Bridge

The following nonstandard retaining walls will be studied:

<i><b>Item No.</b></i>	<i><b>Non-Standard Retaining Wall Location</b></i>	<i><b>Approximate Length</b></i>
1	Collier Ave adjacent to floodplain	590 ft
2	Nichols Road adjacent to quarry	580 ft
3	Nichols Road adjacent to gas station	180 ft
4	I-15 SB loop ramp (Alt 3 only)	430 ft



**Deliverables:** APS Report per structure will include: bridge Advance Planning Study exhibit, structural general plans, prepared Advance Planning Study Checklist, a design memo, itemized construction cost estimates consistent with Project Report requirements.

#### **160.10.85.05 Structures Preliminary Geotechnical Report (SPGR)**

##### Structure Preliminary Geotechnical Report for Bridges

CONSULTANT will prepare three Structure Preliminary Geotechnical Reports (SPGR), in accordance with the Caltrans Guidelines. Two SPGRs for the Nichols Road Overcrossing (the Build alternatives have two different bridge configurations) and one SPGR for Nichols Road Bridge over Temescal Creek. An idealized soil profile for foundation evaluation will be developed based on existing subsurface data obtained from the Nichols Road Overcrossing as-built Log-Of-Test-Boring (LOTB) sheet and other nearby as-built LOTB sheets. CONSULTANT will provide preliminary seismic design parameters (acceleration and response spectrum) using the latest Caltrans web-based seismic design criteria. Using the soil profile, CONSULTANT will provide preliminary foundation types for the proposed bridges.

**Deliverable:** Three Bridge SPGRs

##### Structure Preliminary Geotechnical Reports for Non-Standard Retaining Walls

Based on the Build alternatives planned to move forward for the PID phase, there are four non-standard retaining walls for the project. CONSULTANT will prepare a SPGR for each non-standard retaining wall APS, in accordance with the Caltrans Guidelines. An idealized soil profile for foundation evaluation will be developed based on the existing subsurface data obtained from the Nichols Road Overcrossing as-built Log-Of-Test-Boring (LOTB) sheet and other nearby as-built LOTB sheets. Using the soil profile, CONSULTANT will provide preliminary foundation recommendations for the proposed retaining walls.

**Deliverable:** Four Retaining Wall SPGRs

#### **160.10.90 Preliminary Signing Concept**

A Preliminary Signing Concept will be prepared as a 1:200 scale strip plot that will show draft locations of all OH signs and CMS/ DMS that conform to Caltrans standards.

**Deliverables:**

Preliminary Signing Concept

#### **160.10.90.1 Modified Access Report (MAR) & FHWA Project Oversight Agreement**

If an Alternative is determined to be the Preferred Build Alternative for the project that revises the access points, CONSULTANT will discuss the facility change with FHWA early and confirm the need to document the change to the interstate system and need for a Modified Access Report. If a MAR is required by FHWA, it will be submitted for concurrence once the Preferred Alternative is selected in PA&ED and after it has been ratified by the PDT to obtain a Finding of Acceptability. If a MAR is required, the CONSULTANT will prepare a Draft and Final MAR to document the change of access as part of this project in accordance with FHWA guidelines.

An Oversight Agreement will be prepared in conjunction with the City staff related to the capital expenditure cost, funding sources, for the project and will be submitted by the City to Caltrans and FHWA for review and approval.

**Deliverables:** Draft and Final MAR, Draft and Final Project Oversight Agreement

#### **160.10.91 Constructability Review**

A preliminary Constructability review will be performed on the plans for the preferred Build Alternative Staging Plans and will evaluate the following items:

- Structure Widening
- R/W Requirements including TCE's, Construction Access, and Potential Staging Areas
- Utility Relocations
- Conceptual Drainage and Storm Water Treatment Locations
- Retaining wall and noise barrier locations

**Deliverables:** Draft and Final PA&ED Phase Constructability Memo

#### **160.10.95 Updated Preliminary Transportation Management Plan**

CONSULTANT will evaluate the feasibility of traffic control to develop the associated costs with the current Caltrans TMP checklist template for PA&ED to support project cost estimates. The TMP will be updated by the Design-Build contractor in the final delivery phase.

**Deliverables:** Preliminary Transportation Management Plan Checklist (Draft & Final).

#### **160.15.05 Prepare Cost Estimates for Alternatives**

CONSULTANT will provide "order of magnitude" cost estimates for three (3) alternatives based on Caltrans Project Development Procedures Manual guidelines for Project Report cost estimates.

**Deliverables:** Project Report cost estimates. (Preliminary Capital Cost / Draft & Final Engineers Estimate)

#### **160.15.10 Prepare DSDD for Exceptions to Design Standards**

CONSULTANT will identify non-standard design features based on the Design Checklist (DIB 78-04, dated 2019) for each of the three (3) build alternatives in a matrix format. DSDDs will be prepared for exceptions to Bold and Underline standards for the selected/preferred alternative only. Up to four submittals (three review cycles) of the DSDD are anticipated.

**Deliverables:** List of Non-Standard Features for three (3) alternatives, DSDD for Exceptions to Design Standards for the selected alternative.

#### **160.15.11 Highway Safety Manual (HSM) Analysis**

CONSULTANT will prepare the HMS analysis per Caltrans current guidelines and policies for the Final TOAR and to accompany the DSDDs prepared for the Preferred Build alternative.

**Deliverables:** Draft & Final Segmentation Figures for HSM Analysis Definition for the selected Build Alternative (electronic PDF), Draft HSM Report (electronic PDF), Final HSM Report (electronic PDF), HSM Summary for inclusion in Final TOAR (electronic PDF)

### **160.15.20 Prepare Draft Project Report**

This task entails preparing a Project Report based on the Project Development Procedures Manual (PDPM) Appendix K. All information prepared as part of Task 160.10 will be incorporated into the Project Report in accordance with the PDPM. A preliminary Draft Project Report will be submitted to the City and Caltrans for review and comment. Following receipt of one consolidated set of comments, a comment review workshop will be held with the respondents to review their comments and provide appropriate responses. A Final Draft Project Report will be prepared and submitted for review and approval. Based on the current Project Development Procedures Manual, the Draft Project Report will be submitted to FHWA as the basis for approval related to improvements on I-15 if needed. It is assumed that minimal changes to the Draft Project Report will be necessary to satisfy FHWA requirements if a MAR is required. Up to four (4) submittals (three review cycles) of the Draft Project Report.

A preliminary Draft Project Report will be submitted to the City and Caltrans for review and comment. Following receipt of one consolidated set of comments, a comment review workshop will be held with the respondents to review their comments and provide appropriate responses. A Final Draft Project Report will be prepared and submitted for review and approval.

**Deliverables:** Preliminary Draft and Final Draft Project Report

### **160.15.25 Circulate, Review and Approve Draft Project Report**

Once the Final Draft Project Report has been submitted for review and approval, our project manager or his designee will work with the City and Caltrans to obtain the appropriate signatures. If issues or questions arise during the approval phase, CONSULTANT will work with the City and/or Caltrans staff to answer any remaining questions, provides additional information, and obtain signatures as appropriate.

**Deliverables:** Signed Draft Project Report

### **160.20.30 Surveys & Mapping**

#### Horizontal and Vertical Control Surveys:

Horizontal and vertical project control will be established for the project area. The survey control will be tied horizontally into the Caltrans District 8 horizontal and vertical controls to be provided. It is assumed that the horizontal datum will be the North American Datum of 1983 (NAD83), California Coordinate System, Zone 6 coordinates and the vertical datum will be the North American Vertical Datum of 1988 (NAVD88), and that sufficient control is within the project area. New survey controls to support the project will be established outside of anticipated construction area, where possible.

#### Aerial Photogrammetric Surveys:

Aerial photogrammetric mapping will be obtained for the project limits defined above in accordance with the Caltrans A-B-C process. Horizontal and vertical aerial control panels will be set to meet aerial triangulation requirements and tied into the project control established for the project. A digital topographic map at a scale of 1" = 50' with a 1-foot contour interval will be compiled over the project limits. The planimetric features will be digitized to Caltrans mapping specifications and formatted to meet Caltrans standards. Color digital orthophotography at a scale of 1" = 50' with a pixel ground resolution of 0.25 foot (200 pixels per inch) will also be provided. The digital orthophotos will be georeferenced to the project horizontal datum.

#### Supplemental Topographic Surveys:

Conventional ground survey methods will be utilized to supplement the aerial mapping and collect specific topographic data requested by the design team within the areas of proposed improvements. The topographic data may include conform areas, flowlines, walls and fences, drainage features, and surface visible utility features (meters, cabinets, pull boxes, manholes, catch basins, poles, etc.).

The topographic data will be downloaded, processed, and tied to the horizontal and vertical control established for this project. The topographic data will be plotted in CAD, incorporated with the aerial mapping. The final deliverables will include the digital terrain model, topographic data plotted in CAD and an ASCII file of the topographic survey points.

#### Initial Land Net Surveys and Mapping:

Cadastral research will be performed within Caltrans District 8, the county of Riverside, and other applicable entities for existing centerline and right-of-way files and/or available cadastral records in support of the centerline and right-of-way of Interstate 15, Nichols Road, and other adjacent and intersecting rights-of-way within the project limits.

A request will be made with Caltrans District 8 Surveys for any available centerline and/or alignment files that have already been developed and approved. Field surveys will be performed to locate centerline and right of monuments to confirm centerline and/or alignments received from Caltrans, calculate any other record centerlines, and calculate the record rights-of-way affected by the proposed project.

The initial land net map will include centerlines, Caltrans rights of way, rights-of-way of the adjacent streets, and lots and easements taken from the tract and parcel map information, as well as underlying cadastral and ownership information as recorded with the Riverside County assessor's offices.

**Deliverables:** Project Control Map in CAD and PDF format, Aerial Mapping in MicroStation DGN format, Orthorectified image in GeoTIFF format, Aerial Mapping ABC Submittals, Initial Land Net Mapping in Microstation DGN format, Field Notes in PDF format, Field Photos in JPG format, ASCII Point Files

#### **160.30.05 Maps for Environmental Evaluation**

CONSULTANT will prepare environmental study maps for the alternatives selected for further study.

- Project vicinity map
- Project location map
- Proposed project/alternatives plans
- State right-of-way and adjacent parcel mapping
- Hydrologic and floodplain identification from existing data
- Fault and environmental geology mapping from existing data
- Biological and cultural mapping

**Deliverables:** Environmental study maps.



#### **160.30.10.01 Create and Maintain GIS Database**

CONSULTANT will create and maintain a GIS database that shall be used throughout the PA&ED phase. The objective of this task is to establish environmental baseline data in a manner compatible with engineering and topographic mapping. Accurate mapping of the environmental constraints and considerations within the project study area is essential to facilitate analysis of potential impacts associated with each of the alternatives under consideration. Environmental components/data to be included in the GIS database include historic properties, the 100-year floodplain, water features, waters of the U.S., hazardous materials sites, sensitive visual features, land uses and right-of-way, and noise receptors. Data from publicly available sources will be used as a starting point and adjusted, as appropriate, based on field surveys and observations. Data will be provided in a manner consistent with the project base mapping to ensure that the datasets are compatible and can be used for evaluation of each alternative's effects on the environment.

**Deliverables:** GIS Database - electronic shape files used for build alternative maps will be transferred to the City via ftp, external drive, or cloud based share site from PA&ED

#### **160.30.15 Obtain Rights of Entry for Environmental Studies**

CONSULTANT will require access to some private and public lands as needed for environmental technical studies. CONSULTANT will coordinate with the City and Caltrans to identify properties where property access is needed for the technical studies. CONSULTANT will provide a draft right-of-entry (ROE) request letter for distribution to affected property owners to be reviewed by the City. The Draft ROE letter will specify the duration and purpose of property access. CONSULTANT will make changes to the ROE letter as specified by the City. The final ROE will be distributed in the manner specified by the City with reimbursement for preparation and mailing if required. All field personnel will be provided with copies of the appurtenant ROE documents in the event that field verification of permission is requested.

**Deliverables:** Identification of properties requiring ROEs (20 parcels maximum), Draft and Final ROE letters

### **165 Perform Environmental Studies and Prepare Draft ED**

#### **165.05 Environmental Scoping of Alternatives Identified for Studies in PID**

It is assumed that three Build Alternatives and a No Build Alternative will be studied as identified in the PID phase. No additional alternatives are assumed in this scope to be evaluated during the environmental process. The tasks included under 165.05 are described below.

CONSULTANT will obtain and examine applicable information from prior stages in the project development process to support the environmental evaluation during PA&ED.

##### **165.05.05 Project Information Review**

CONSULTANT will obtain and review previous documentation supporting the development of the original PSR-PDS, as well as information from other related projects.

Subtasks:

- Obtain and examine project plans from earlier stages
- Discuss and verify initial Purpose and Need, Alternatives, and previous environmental evaluations with the Project team
- Obtain and examine RTP and RTIP listings
- Verify Clean Air Act conformity status of project and alternatives

**Deliverables:** Initial Environmental Project File Setup

#### **165.05.10 Perform Public and Agency Scoping and Community Outreach**

The CONSULTANT will provide assistance to the Project Team to organize and facilitate one public scoping meeting to inform the public and responsible agencies about the proposed project and the environmental process, and to solicit input from the agencies and public regarding the alternative to be evaluated in the EIR/EA and environmental parameters and potential impacts to be assessed in the EIR/EA. CONSULTANT will follow the Caltrans SER in preparing the NEPA and CEQA notices and initiating the scoping process.

CONSULTANT will implement a comprehensive approach to engage with the community and key stakeholders through a range of outreach strategies, including targeted notifications, stakeholder briefings, and a public meeting. By employing diverse communication methods and engagement tools, to maximize project awareness.

##### **165.05.10.02 Prepare and Distribute NOP**

The purpose of this task is to initiate the environmental processes, identify the appropriate CEQA document and notify the affected agencies and public that the environmental process is underway. The Caltrans Standard Environmental Reference (SER) will be followed in preparing the CEQA notices and initiating the scoping process. The following items will be prepared.

- Notice of Preparation (NOP)

CONSULTANT will prepare a draft NOP following the approach that Caltrans requested for other recent projects. The NOP will consist of the following sections, which will all be briefly addressed. No other information is assumed to be required.

- Introduction
- Location and Setting (including a vicinity/location map)
- Project History
- Alternatives (a brief summary of each alternative and an overview layout map for each)
- Probably Environmental Effects (this will consist strictly of a bullet list of topic areas that could be impacted)

CONSULTANT will provide the Draft NOP to the City and Caltrans for review. It is assumed that no more than three build alternatives will be described in the NOP. Based on comments received, CONSULTANT will revise the documents and submit the final NOP to the City and then Caltrans for approval. No additional reviews are assumed or included. The NOP will be submitted electronically to the State Office of Planning and Research (State Clearinghouse) by CONSULTANT.

All written responses received related to the NOP will be tracked and shared with the PDT. These responses will be taken into consideration when preparing the technical studies and environmental document. No responses will be prepared to the comments received as this is not required; they will, however, be considered when preparing the environmental document.

#### **Deliverables:**

- Draft (for City and then Caltrans review) and Final NOP (for Caltrans concurrence)
- Responses Received on the NOP
- NOP received responses tracking matrix

### **165.05.10.03 Prepare for and Conduct Scoping Meetings**

CONSULTANT will attend one (1) public scoping meeting, in the project area, to inform the public and responsible agencies about the proposed project and the environmental process, and to solicit input from agencies and the public regarding the alternatives to be evaluated in the EIR/EA and environmental parameters and potential impacts to be assessed in the EIR/EA. CONSULTANT will prepare a draft and final public scoping meeting notice for publication in newspapers (English and Spanish language) as agreed upon by the PDT.

#### Notification Activities

A well-rounded notification plan that utilizes several mechanisms to reach stakeholders can be the determining factor in attendance and participation in the public meeting. CONSULTANT will prepare the following notification methods, for a scoping meeting.

- **Postcard Mailer:** Provide notification through postcard mailing. The notification boundary will be identified in the Public Outreach Plan (POP).
- **Extended Outreach Toolkit:** Develop an e-communications toolkit for the with copy-and-paste content and downloadable graphics to utilize on various communications platforms. This toolkit would be shared with the City of Lake Elsinore Chamber of Commerce and other stakeholder groups to spread the word about the scoping meeting.
- **Social Media Posts:** Provide notifications via the City's social media platforms to include information for Instagram and Facebook.
- **Email (Eblast):** Send eblasts to City identified stakeholder database list ahead of at key milestone dates. CONSULTANT will pull from Rediscover Downtown list and I-15/SR-74 lists as well as coordinate with Lake Elsinore Chamber of Commerce with distribution.
- **Local Newspaper Advertisements:** CONSULTANT will prepare copy, content, and graphics for newspaper and digital advertisements to boost understanding and participation.
- **Door to Door Flyer Distribution:** Distribute to public counter locations and targeted businesses within or near the study area.

**Deliverables:** Content and graphics for advertisements, eblasts, flyers, and social media (one round), Notification matrix, Extended outreach toolkit, Digital notification

CONSULTANT will plan and facilitate one (1) in-person scoping meeting to inform stakeholders of the project, alternatives, and environmental process and capture community input. CONSULTANT will work with the City to secure meeting space at a city-owned venue, including but not limited to the Lake Elsinore Cultural Center. The meeting format may include a formal presentation or a walk-in open house for community members to view exhibits at their own pace.

CONSULTANT will lead all event logistics, including set-up, staffing, printed materials, refreshments, and meeting documentation. The meeting will feature bilingual English and Spanish materials and will include a certified Spanish Interpreter to address the diverse language needs of the community.

**Deliverables:** Draft and Final scoping meeting notice

### **165.05.10.04 Draft Scoping Summary Report**

A Draft Scoping Summary Report will be prepared to document the Project Team's and Caltrans' efforts to identify key issues related to the scope of the environmental issues and

the range of project alternatives that should be addressed in the EIR/EA for the proposed project. The scoping report will summarize the scoping meeting and the issues raised in response to the NOP and NOI and the scoping meeting. The scoping report will include copies of the NOP, and NOI, the distribution list, the newspaper notices, and the written comments received at the scoping meeting and in response to the NOP and NOI. The Draft Scoping Summary Report will be submitted to the City for review. Based on comments received, CONSULTANT will revise the document and submit the Draft Scoping Summary Report to Caltrans for review.

**Deliverables:** Draft Scoping Summary Report

#### **165.05.10.05 Final Scoping Summary Report**

The Draft Scoping Summary Report will be revised based on the comments received from Caltrans and a final Scoping Summary Report will be prepared and distributed to the City and Caltrans. The information received during the project scoping process will be incorporated into the environmental review and analysis in a manner consistent with the requirements of CEQA and NEPA.

**Deliverables:**

Draft Initiation of Studies Letters (electronic submittal)

Final Initiation of Studies Letters (hard copy submittal to the addressees)

Draft and Final NOP Distribution List

Draft and Final newspaper notices (electronic submittals to the City and the newspapers)

Draft Display Materials and Handouts for the scoping meetings (electronic submittals to the City)

Final Display Materials and Handouts for the scoping meetings

Draft and Final Scoping Summary Report

Court Reporter, as requested by the City.

#### **165.05.15 Alternatives for Further Study**

Identification of the initial alternatives from preliminary design concepts for the project area will be one of the critical milestones. The initial set of alternatives considered will address, to varying degrees, the project Purpose and Need. Alternatives must also have support from the City, Caltrans, other project stakeholders, and the public. The list of alternatives will be cataloged as early operational analysis and engineering viability assessment progresses stemming from early concepts deemed as viable for further study and will be organized into the following groupings for PA&ED:

- Alternatives reviewed and removed from further consideration
- Alternatives that will be subjected to preliminary analysis to determine if they should be carried forward or removed from further consideration
- Additional alternatives that will be carried forward for additional analysis in the environmental technical studies

These findings will be organized into a brief alternatives selection memorandum that will be presented to the PDT for review and comment. Once the PDT agrees upon the findings, CONSULTANT will prepare a revised report for distribution to the PDT.

Three build alternatives, identified previously, and the No-Build Alternative are assumed to



be evaluated for the proposed project. No additional alternative selection is assumed.

**Deliverables:** Draft and Final Alternatives Selection Memorandum.

### **165.10 Perform General Environmental Studies**

Preparation of all technical analyses and reports will follow local, state, and federal environmental guidelines, primarily consisting of the Caltrans SER website, Caltrans Project Development Procedures Manual, local and state CEQA Guidelines, and FHWA Technical Advisory 6640.81 Guidance on Preparing and Processing Environmental and Section 4(f) Documents. The formats to be used for the technical studies will follow the guidance available on the Caltrans SER website as of the date that those studies are initiated.

For each technical study the following submittals are assumed:

- Draft Technical Study (electronically to City and then to Caltrans)
- Revised Draft Technical Study (electronically to City and Caltrans for concurrent review)
- Final Technical Study for approval (electronically to City and Caltrans for concurrent review and concurrence)
- NEPA/404 integration process will not be required.
- Section 4(f) or 6(f) resources will not be encroached upon by the project and no Section 4(f) or 6(f) resources will require evaluation.
- Air quality modeling will be performed using the version of CT-EMFAC available at the time that the notice to proceed for the project is issued by the City (assumed to be not later than May 1, 2025).
- Once the air quality and noise work has been initiated the traffic data/analysis/information will not change.
- Community Impact Assessment will not be required.
- It is assumed that all rights of entry and access for field work and surveys, if required, shall be obtained and provided by HDR's right of way consultant or the City.

Lack of sufficient survey results, or incomplete survey information/results, due to factors outside of CONSULTANTS control will not be the responsibility of the CONSULTANT.

### **165.10.20 Visual Impact Assessment Memorandum**

The proposed project assumed to include improvements that would result in moderate visual changes due to project alternatives that would reconfigure the existing interchange and ramps. Although this portion of I-15 is an Eligible State Scenic Highway, there are no Officially Designated State Scenic Highways associated with the proposed project or Classified Landscape Freeway segments. There are County-designated scenic routes. As determined by the Questionnaire to Determine VIA Level included in the PEAR, a Visual Impact Analysis Memorandum (VIAM) is anticipated for the project.

The analysis will be performed using methods and protocol developed by the Federal Highway Administration (FHWA) and adopted by Caltrans and will utilize Caltrans' VIAM template. Any requested format changes to standard Caltrans' VIAM template will require scope and cost modifications. The analysis will define the project location and setting; describe visual resources and resource change and viewer groups and viewer responses associated with the project; and evaluate potential visual impacts caused by the proposed project, including any proposed mitigation measures to reduce impacts.

The preparation of visual simulations is not assumed or included as these are not required as part of a VIAM. Viewshed Mapping and Key View Analysis is not assumed to be needed or included.

**Deliverables:** Draft and Final Visual Impact Memo

#### **165.10.25 Noise Study**

As stated in the Preliminary Environmental Analysis Report (PEAR), the proposed Project has been determined to be a Type I project and would be required to comply with the requirements specified by the Federal Highway Administration (FHWA) in Title 23, Section 772 of the Code of Federal Regulations (CFR) (23 CFR 772). Therefore, a Noise Study Report (NSR) will be prepared which analyzes the noise impacts based on the guidance in the Caltrans Traffic Noise Analysis Protocol (Protocol).

Prior to the start of the NSR fieldwork, the CONSULTANT noise staff will identify noise-sensitive land uses and select representative locations for noise measurements using Project plans and platforms such as Google Earth. CONSULTANT will consult with the Caltrans District 8 noise specialist assigned to this project to obtain concurrence on the measurement locations; if necessary, this will include a field review of the project site with Caltrans staff. If required by Caltrans, CONSULTANT will prepare a Noise Work Plan for Caltrans review and approval prior to initiating the noise fieldwork (preparation of a Noise Work Plan is assumed).

Existing noise conditions in the project area will be quantified based on noise measurements conducted at locations along the project alignment. Based on an initial review, the land uses immediately surrounding the project include homes, a high school, a gas station, retail (an outlet mall), storage, and undeveloped land. Short-term monitoring (10 to 15 minutes) will be conducted during daylight hours at up to fourteen (14) locations in the project area. Long-term monitoring (24 hours or more) will be conducted at two (2) locations in the project area, provided safe and secure locations can be identified at which to leave long-term sound level meters. Traffic data (traffic count, vehicle mix, and speed), will be gathered concurrently with the short-term noise measurements.

CONSULTANT will conduct traffic noise modeling of the existing baseline conditions and the five future alternatives (three Build Alternatives and the No-Build Alternative) using the FHWA Traffic Noise Model (TNM) Version 2.5 and traffic data to be provided by the project traffic engineer. The TNM model for existing conditions will be validated using the short-term field noise measurements and corresponding traffic data. TNM will be used to model worst-hour traffic noise conditions at representative modeled receiver locations in the project vicinity under existing conditions and design-year Build and No-Build conditions.

Traffic noise impacts of the proposed project under 23CFR772 will be assessed by determining if the implementation of the project is projected to result in traffic noise levels under design-year conditions that approach or exceed the FHWA noise abatement criteria, or if the implementation of the project is predicted to result in a substantial traffic noise increase (12 dB increase relative to the existing) at noise-sensitive uses. If traffic noise impacts are projected to occur, information on the preliminary feasibility and reasonableness of noise abatement, as defined in the Protocol, will be evaluated and presented for use by decision-makers in considering noise abatement. CONSULTANT will also evaluate potential construction noise impacts using methods recommended by the U.S. Department of Transportation and/or direction included in Caltrans Standard Specifications (SS).

CONSULTANT will prepare an NSR addressing the requirements of 23CFR772 in accordance with the guidance in the Protocol and following the NSR format of the Caltrans Annotated Noise Study Report Outline. Should impacts be identified, the NSR will include a preliminary noise abatement design to schematically identify the location, height, and extent of noise barriers needed to abate noise impacts (if applicable). Analyzed noise barriers will be assessed for acoustical feasibility and their ability to meet the Caltrans design goal. In accordance with Protocol guidance, the description of noise barriers will be sufficient for the environmental review of the proposed project but not for the final design of the noise barriers. It is assumed that up to three noise barriers will be evaluated.

**Deliverables:** Draft and Final Noise Work Plan and Draft and Final Noise Study Report.

#### **165.10.25.20 Noise Abatement Decision Report**

Based on a review of the project site, the surrounding area contains several noise-sensitive land uses including homes, a school, and retail/dining with outdoor areas of frequent human use. Therefore, based on the guidance in the Protocol, it is possible that noise barriers considered in the NSR may be found to be feasible. Should feasible noise barriers be identified, CONSULTANT will prepare a Noise Abatement Decision Report (NADR) to analyze the cost reasonableness for those barriers at the various barrier heights that meet the feasibility requirement and design goal discussed in the NSR.

The NADR will summarize reasonable cost allowances for barriers determined to be feasible in the NSR (up to two barriers will be addressed) and compare these allowances to the construction cost estimates for each barrier height to identify any reasonable barriers and the associated barrier heights to be recommended as preliminary abatement as part of the project.

As part of the NADR process, CONSULTANT will also work with the City, and Caltrans, to prepare noise barrier surveys and conduct the survey process to determine the viewpoints of benefited receptors with respect to any noise barriers (i.e., whether owners and residents support or oppose any recommended noise barriers) included as abatement as part of the project. It is assumed that up to two sets of noise barrier surveys will be mailed via FedEx to up to a total of twenty benefitted receptors and one round of hand-delivered surveys for any properties that are unresponsive to the mailed surveys. Based on the outcome of the public voting on noise walls CONSULTANT will identify the appropriate final sound wall locations, as appropriate. These surveys will take place during the public review period for the draft Environmental Document (ED) and will be included as part of the final decision in the final ED.

**Deliverables:** Noise Abatement Decision Report, Preparation of materials and tabulation of votes through mailed ballots.

#### **165.10.30 Air Quality Study**

The Interstate 15 (I-15) Nichols Road Interchange Project is located within the South Coast Air Basin (SCAB) region of Riverside County. The SCAB region of the proposed project is within a nonattainment area for the federal 8-hour ozone (O<sub>3</sub>), lead, and particulate matter less than 2.5 micrometers in diameter (PM<sub>2.5</sub>) standards and within an attainment/maintenance area for the federal carbon monoxide (CO) and particulate matter less than 10 micrometers in diameter (PM<sub>10</sub>) standards. Therefore, the proposed project is subject to Transportation Conformity. The air quality technical report will provide the following discussions and analyses:

- **Regulatory Setting and Existing Conditions.** Summarize the existing federal, state, and local air quality regulatory environment as it affects the proposed project, and describe the location of sensitive receptors in the project vicinity. Using data provided by the California Air Resources Board (ARB) and the South Coast Air Quality Management District (SCAQMD), the report will characterize existing air quality conditions in the project area and explain how those conditions are affected by local climate and topography.
- **Regional Conformity.** Evaluate whether the project meets regional transportation conformity requirements by determining whether it is included, as currently defined, in the most recent Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) and Federal Transportation Improvement Program (FTIP) prepared by the Southern California Association of Governments (SCAG).
- **Project-Level Conformity.** Evaluate whether the project meets project-level transportation conformity requirements, which will also be used to support the CEQA/NEPA analysis.
- **Localized Carbon Monoxide Hot Spot Analysis.** Analyze the degree to which project-related traffic volumes have a potential to affect local carbon monoxide (CO) concentrations using the California Department of Transportation CO Hotspot Protocol. It is anticipated that the CO screening procedure will be appropriate, and that CALINE-4 dispersion modeling will not be required.
- **Localized PM2.5/PM10 Hot Spot Analysis.** The PM Hot Spot Analysis will assess the degree to which project-related traffic volumes have a potential to affect local PM2.5 and PM10 concentrations. CONSULTANT will prepare the required PM Conformity documentation and submit to Caltrans for review and approval. Caltrans will then forward the documentation to the SCAG Transportation Conformity Working Group (TCWG). CONSULTANT will lead the TCWG interagency consultation on behalf of the Project Sponsor. Based on our review of the proposed Project Description, it is assumed that the project will not be considered a Project of Air Quality Concern (POAQC), and that a screening-level PM conformity analysis will be sufficient.
- **Evaluation of Construction-Period Emissions.** A quantitative construction analysis will be performed to evaluate regional and localized mass emissions. Based on preliminary construction scheduling and phasing information, construction emissions will be quantified using the Road Construction Emissions Model integrated into the CalEEMod model.
- **Evaluation of Operations-Period Mass Emissions.** Regional criteria pollutant emissions will be quantified using project-level vehicle miles traveled (VMT) and current EMFAC emissions factors..
- **Mobile Source Air Toxics.** Evaluate proposed project-related mobile source air toxics (MSATs) emissions in accordance with FHWA updated interim guidance on how MSATs should be addressed in NEPA documents. It is assumed that a quantitative analysis can be prepared.
- **Climate Change/Greenhouse Gas Emissions.** A quantification of operational-period greenhouse gas (GHG) emissions associated with implementation of the proposed project will be conducted. Operations-period GHG emissions will be



quantified using regional daily VMT; and current EMFAC emissions factors. CONSULTANT will present a comparison of GHG emissions under the Build Alternatives and the No-build Alternative to characterize effects of the proposed project on GHG emissions. The analysis of climate change will also incorporate the most recent guidance found on the Caltrans Standard Environmental Reference (SER) and Caltrans annotated outline. Construction GHG emissions will be quantified using the Road Construction Emissions Model integrated into the CalEEMod model.

- Mitigation Measures. CONSULTANT will develop mitigation measures, where applicable, to address significant air quality impacts, if present.

#### Air Quality Conformity Report

Under NEPA assignment, the federal air quality conformity determination has not been delegated to Caltrans and must be made by FHWA. Following circulation of the environmental document CONSULTANT will prepare a separate Air Quality Conformity Analysis using the annotated outline for this report on the SER at the time that the report is initiated and will also prepare the Conformity Checklist based on the checklist that is available on the SER at the time that the Air Quality Conformity Analysis Report is prepared. It is assumed that no public comments will be received during public circulation of the Draft EIR/EA that will require analysis for air quality beyond that already included in the publicly-circulated Draft EIR/EA.

**Deliverables:** Draft and Final Air Quality technical report , Draft and Final Air Quality Conformity Report.

#### **165.10.35 Water Quality Studies**

A Water Quality Assessment Report (WQAR) document will be developed by the CONSULTANT to be used in the environmental document. The WQAR will qualitatively assess the project's impacts on receiving water quality during construction and post-construction conditions based on the City of Lake Elsinore's applicable stormwater regulations and consistent with the California Department of Transportation's NPDES Permit (Order Number 2022-0033-DWQ). It will characterize the existing water quality conditions, identify the potential water quality issues from developing the project, and identify applicable mitigation measures (Best Management Practices). Caltrans has developed a Water Quality Assessment Report template (dated December 2022) that will be used to prepare the document, unless otherwise directed by Caltrans or the City. The assessment will discuss the following topics:

The approach for the water quality assessment and the evaluation of the potential impacts related to implementing the project.

- A description of the General Setting (including Population and Land Use, Topography, Hydrology, Geology/Soils, and Biological Communities), Water Quality Objectives/Standards and Beneficial Uses, and Existing Water Quality (including Regional Water Quality, List of Impaired Waters, and Areas of Special Biological Significance).
- The applicable requirements of the Federal Clean Water Act (CWA), State Water Quality Regulations (Statewide General Construction Permit), State Requirements under Section 402 of the Federal CWA, 401/404, Biological characteristics of the aquatic environment, Beneficial Uses, Groundwater and Surface Water Quality Objectives, and Impaired Waters. A preliminary risk analysis will be conducted consistent with the

California Statewide Construction General Permit (Order 2022-0057-DWQ), and the project's Risk Level status will be determined.

- Potential impacts to the physical/chemical and biological characteristics of the aquatic environment, and the mitigation measures (Avoidance, Minimization, and/or Mitigation Measures) that may be needed per the water quality requirements applicable to the project.

**Deliverables:** Draft and Final Water Quality Assessment Report

#### **165.10.40 Energy Studies**

CONSULTANT will prepare an energy analysis report to quantify the direct and indirect energy use of the Interstate 15 (I-15) Nichols Road Interchange Project. The energy report will provide the following discussions and analyses:

- **Regulatory Setting and Existing Conditions.** Summarize the existing federal, state, and local energy regulatory environment as it affects the proposed project. Using data provided by the California Air Resources Board (ARB), Riverside County, and the Southern California Association of Governments (SCAG), the report will characterize the existing energy use in the project area.
- **Construction Energy.** Construction would occur during implementation of the proposed project. Energy use from the construction sources will be analyzed based on the equipment used, length of time for a specific construction task, equipment power type (gasoline or diesel engine), horsepower, load factor, and percentage of time in use. In addition, the energy use associated with the haul truck trips and employee commutes will be calculated based on construction information available.
- **Operational Energy.** Changes in long-term energy consumption will be quantified using project-level VMT and EMFAC2021 emissions factors.
- **Mitigation Measures.** CONSULTANT will develop/describe measures to reduce energy consumption during project construction and operations.

#### **165.10.45 Summary of Geotechnical Report**

In this task, information from the project geotechnical report will be summarized for use in the project environmental document. The summary will address geologic setting, major faults, seismicity, ground shaking, topography, groundwater levels and the groundwater regime, soil conditions, and the presence of bedrock. It will also discuss feasible foundation alternatives for the structures, retaining walls and sound walls, discuss slope stability, and address other geotechnical related design issues including the need for additional field investigation required for final design.

CONSULTANT will also prepare a summary of all of these geotechnical findings, distilled down for use in the project environmental documents (EDs). CONSULTANT will document potential geologic hazards along the project alignment, including faulting and seismicity, seismic shaking, liquefaction potential, slope instability and landslides, earthquake-induced settlements and lateral spreading, dam-inundation and flooding. Findings and conclusions from this study will be included in a Geotechnical Impact Evaluation study, which will be a

part of the EIR for CEQA and the EA for NEPA approval.

**Deliverables:** Draft and Final Summary of Geotechnical Report

### **165.10.50 Hazardous Waste and Initial Site Assessment**

#### Initial Site Assessment

CONSULTANT will prepare a full ISA report to include a Site screening for hazardous materials and petroleum products using the Caltrans ISA Guidance Document. The work will be performed in general accordance with Federal All Appropriate Inquiry (AAI) requirements and ASTM E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

Following is a summary of tasks:

- Review of information;
- Site reconnaissance to look for indicators of potential hazardous materials;
- Environmental database searches and outreach to various agencies, such as Regional Water Quality Control Board, Department of Toxic Substance Control, Department of Health Services and other City/County agencies that deal with hazardous materials;
- Interviews with those knowledgeable of the parcel/project;
- Reviews of selected historical records and mapping including aerial photos and maps, and;
- Completing the Caltrans User Questionnaires.

CONSULTANT will prepare one ISA report including discussions of any recognized environmental conditions or areas of concern pertaining to hazardous materials or petroleum products that could impact the Project. The reports will also include site location maps, site visit notes, User Questionnaires, environmental database search reports, historical topographic maps, aerial photographs, and selected photographs from the site reconnaissance. CONSULTANT will also provide recommendations for additional investigation, if warranted.

#### Pre-Field Activities

The following pre-field activities are proposed as part of the Site Investigations.

- Prior to start of the project, CONSULTANT will prepare comprehensive project-wide work plan(s) including a health and safety plan (HASP) for the Project. The work plans will include a Site Investigation Work plan and a Hazardous Materials Survey Work Plan. The work plans will be submitted to and approved by Caltrans prior to start of the field work.
- CONSULTANT will provide as-needed assistance to Lake Elsinore, and Caltrans, for coordination of all field work and site access including boring location plans, insurance certificates, etc. It is assumed that the CONSULTANT will not be required to prepare site-specific work plans or other documents in support of site access or Writ of Assistance.
- CONSULTANT will mark exploration boring locations and notify Underground Service Alert (USA) to identify public utilities in the planned area.

Asbestos-containing materials (ACM), lead-based paint (LBP), and other hazardous materials may be present on the structures at the I-15 Nichols Road Bridge. Because the

structures will be removed, an ACM and LBP investigation must be performed to properly manage and dispose of the demolition debris.

CONSULTANT will utilize our California Division of Occupational Safety and Health Administration (Cal-OSHA) Certified Asbestos Consultant (CAC) or Certified Site Surveillance Technician (CSST) to conduct a site reconnaissance to identify the locations of potential ACMs and our California Department of Public Health (CDPH) certified inspector/assessor to conduct a site reconnaissance to identify the locations of potential LBP and collect samples. Bulk samples of suspect accessible construction materials will be collected and submitted to an independent laboratory for analysis; asbestos will be analyzed via Polarized Light Microscopy (PLM) and lead will be analyzed via paint chip samples (EPA 6010B). A Hazardous Materials Site Investigation report will be prepared summarizing the findings.

**Deliverables:** Draft and Final ISA, Hazardous Materials Site Investigation Report

#### **165.10.51 Aerially Deposited Lead (ADL)**

This task will include testing the unpaved areas of the project footprint for aerially deposited lead (ADL) contamination. It is assumed borings will be required by Caltrans for impacted areas along the I-15 mainline, the existing ramps, and public ROW. Based upon the standard Caltrans sampling frequency of 300 feet on each side of every roadway, it is assumed that no more than 40 borings will be required for the investigation.

Hand augers or limited access direct-push drill rigs will be used and advanced to a maximum depth of up to 3 to 4 feet to collect soil samples. Samples that are sent to the laboratory will be analyzed for lead using the Environmental Protection Agency (EPA) Method 6010B and pH. Samples will also be analyzed via the California Waste Extraction Test (CA-WET) and Federal Toxicity Characteristic Leaching Procedure (TCLP), as necessary.

If significant additional sampling depth intervals or locations are required by Caltrans, additional laboratory costs may be incurred that are not included in the scope of work.

CONSULTANT will prepare a detailed ADL report summarizing the findings of the field investigation. The report will contain a description of the field activities and summary of the laboratory results, conclusions and recommendations, tables, and figures as necessary. The soil will be classified in accordance with hazardous waste criteria and Caltrans soil classifications.

CONSULTANT will perform statistical analysis of the ADL results using the 95% upper confidence limit (UCL) on the mean by using the EPA Pro-UCL computer program.

**Deliverables:** Draft and Final ADL Report

#### **165.10.60 Location Hydraulic Study, Summary Floodplain Evaluation Report, Rapid Stability Assessment**

CONSULTANT will prepare a Location Hydraulics Study (LHS) using the information developed in the PHR to complete the LHS report template. The report will discuss potential impacts and recommend mitigation measures related to floodplain encroachment, flood-related hazards, natural or beneficial floodplain values, access interruption, and the community floodplain development plan. CONSULTANT will prepare a Summary Floodplain Evaluation Report (SFER) which will be incorporated into the LHS report. A Level 1 Rapid Stability Assessment (RSA) will be prepared following the Hydromodification Requirements Guidance (Caltrans, February 2015). One LHS/SFER document will be prepared that covers the floodplain studies for both Temescal Wash and Stovepipe Canyon floodplains.

This task will include responding to comments and making revisions as needed for approval of these reports as well as the approval of the draft and final Project Report.

**Deliverables:** Draft and Final Location Hydraulic Study (LHS), Summary Floodplain Evaluation Report (SFER) and Rapid Stability Assessment (RSA)

### **165.10.65 Paleontology Studies**

#### Analysis of Existing Data

CONSULTANT will conduct an analysis of existing data that includes reviews of geologic mapping, published paleontological literature, previously completed paleontological assessment reports in the area, and available online databases such as the Paleobiology Database. Paleontological sensitivity rankings will be assigned to each geologic unit identified within the Project area. The Project area and a 0.5-mile buffer will be mapped onto the highest resolution geologic maps available and overlain with a paleontological sensitivity layer for ease of reference.

#### Paleontological Field Survey

An initial review of geologic maps indicates that the Project area is underlain by Holocene-age alluvial deposits, Cretaceous-age tonalite, Cretaceous-age intermixed Estelle Mountain volcanics and sedimentary rocks, and Mesozoic phyllite. The majority of the geologic units are considered to have low and no sensitivity for paleontological resources at the surface. However, Cretaceous-age sedimentary rocks have the potential to contain significant paleontological resources throughout their extent. Therefore, a paleontological field survey will be conducted to verify the geologic mapping, identify the existing level of disturbance within the Project footprint, and document any fossils observed at the surface within the Project area. Any identified fossils will be documented in detail and reported to the City of Lake Elsinore. No fossils will be collected during the survey; however, recommendations on the treatment of the fossils (e.g., preconstruction collection or sampling) will be provided.

#### Paleontological Identification Report/Paleontological Evaluation Report (PIR/PER)

The results of the records search, analysis of existing data, and field survey will be used to assign paleontological sensitivities to the geologic units within the Project area using the Caltrans tri-partite system, which includes rankings of no, low, and high sensitivity. A combined Paleontological Identification Report/Paleontological Evaluation Report (PIR/PER) will be prepared to convey the methods and results of the study. The PIR/PER will include a description of the proposed Project, Project footprint, proposed excavations, and geological and paleontological context of the Project area, and a discussion of the potential to encounter significant paleontological resources during grading and excavation in the Project area. Based upon the projections of the potential to encounter significant fossils, the PIR/PER will state the potential impact of the Project upon paleontological resources and will provide detailed recommendations for further paleontological tasks to reduce identified adverse impacts/effects, if necessary.

#### Paleontological Mitigation Plan

If required based on the results of the PIR/PER, CONSULTANT will prepare a Paleontological Mitigation Plan (PMP) that establishes the procedures to mitigate adverse effects to significant paleontological resources during Project-related construction activities in accordance with City of Lake Elsinore and Caltrans requirements, SVP guidelines, and other industry standards. The PMP will include Project background information and recovery goals; description of when and where paleontological monitoring will be required; pre-construction measures such as a pre-construction meeting and workers environmental

awareness program (WEAP) training; monitoring methods and safety requirements; unanticipated discovery procedures and matrix sampling procedures; procedures for fossil salvage, data recovery, and laboratory work (including preparation, identification, and analysis); a repository agreement; and reporting requirements.

**Deliverables:** Draft and Final PIR/PER and Draft and Final PMP (Electronic format)

#### **165.10.75 Environmental Commitments Record**

For the project an environmental commitments record (ECR) will be prepared in a matrix table format and included as an appendix in the Draft and Final EIR/EA. It is assumed that the ECR will be reviewed as part of the EIR/EA. The ECR will follow the ECR annotated outline that is available on the Caltrans SER at the time that the ECR is initiated

**Deliverables:** ECR for inclusion in the Draft and Final EIR/EA and to be reviewed as part of that document.

#### **165.15 Biological Studies**

##### Natural Environment Study

The project lies within the boundaries of the Western Riverside Multiple Species Habitat Conservation Plan area (MSHCP/Plan) and is a covered activity under Section 7.3.5 of the Plan. It is not within a designated amphibian or mammal survey area, but is located within criteria cells, narrow endemic plant survey area, criteria plant survey area and most of the project is within a burrowing owl survey area. There are areas that pond associated with Temescal Creek and other areas that have clay soils conducive to ponding, which requires a vernal pool habitat assessment, and likely protocol surveys, under the MSHCP vernal pool policies. In addition, there are MSHCP riparian/riverine resources that require mapping, a habitat assessment for riparian bird species, and protocol surveys for least Bell's vireo and southwestern willow flycatcher within suitable habitat. There are numerous records of least Bell's vireo within the project limits.

As part of this task CONSULTANT will conduct a thorough literature review and perform a field reconnaissance survey to document vegetation communities and flora and fauna present, delineate aquatic resources and MSHCP riparian and riverine habitat, and perform a habitat assessment for sensitive species that potentially occur within the project limits and adjacent areas. Protocol surveys will then be performed for burrowing owl, least Bell's vireo and potentially southwestern Willow Flycatcher, and fairy shrimp. In addition, there is a potential for suitable habitat for Crotch's bumble bee, a State Candidate Endangered Species; therefore, a habitat assessment will be performed to determine suitability.

This information will be included in a Natural Environmental Study (NES) analyzing potential impacts to biological resources. The NES will be prepared in accordance with Caltrans SER guidance and will conform to the Caltrans NES annotated outline available at the time that the NES is initiated. The following tasks will be performed during the preparation of the reports:

##### Review of Project Information and Applicable Literature

A literature review will be conducted to identify special-status species known or reported from the project area. The literature review will include:

- 1) Special status species lists from the California Department of Fish and Wildlife (CDFW) and U.S. Fish and Wildlife Service (USFWS);



- 2) Database searches of current versions of the California Natural Diversity Database (CNDDDB) and the Online Inventory of the California Native Plant Society (CNPS);
- 3) MSHCP; and
- 4) Other available biological data and studies conducted in the vicinity of the project site.

#### Field Evaluation for Sensitive Biological Resources

After reviewing relevant information, the project area will be evaluated with a thorough pedestrian survey covering all project areas relevant to potential sensitive biological resources. Detailed field notes will be compiled including conditions, visible disturbance factors, species, habitats, and general biological resources. The site and adjacent buffer areas will be evaluated regarding the presence, absence, or likelihood of occurrence for special status species, habitats, or general biological resources posing a constraint to the project through applicable laws and regulations. The study area is assumed to be the proposed limits of disturbance plus a buffer ranging from 100 feet (rare plants and aquatic resources) to 300 feet for special-status wildlife species and 500 feet for burrowing owl.

#### NES Preparation

A draft NES will be developed based on results of the habitat assessment and biological surveys and will describe:

- (a) The study methods used in identifying and assessing the biological resources at the project site, the personnel who conducted the studies, contacts made with agencies, and any limitations associated with the study;
- (b) The environmental setting including both the biological and physical setting at the project site;
- (c) The results, including special-status species present on the site, if any, and a discussion of impacts and mitigation, as necessary; and
- (d) The appropriate regulatory requirements and necessary permits, if any.

#### Habitat Evaluation and Protocol Survey for Burrowing Owl

Most of the project is within a burrowing owl survey area. As a result, a burrowing owl burrow assessment followed by protocol owl surveys is required and will be conducted following the MSHCP survey protocol. The study area for this work is assumed to be the proposed limit of disturbance and a 300-foot buffer with an additional 200-foot buffer to be evaluated visually. Potentially suitable habitat will be mapped to determine survey areas. Once suitable habitat and burrows are mapped, a 4-visit focused survey will be performed. The 4 surveys must be performed between March 1 and August 31. Results of the focused surveys will be included in the NES. It is assumed that 4 biologists can complete each survey event given the large project footprint.

#### Habitat Evaluation and Focused Survey for Special Status Plants

Much of the Project west of I-15 is within a Criteria Area Plant Survey Area and Narrow Endemic Plant Species Survey Area. Criteria Area species include: thread-leaved brodiaea, Davidson's saltscale, Parish's brittlescale, smooth tarplant, round-leaved filaree, Coulter's goldfields, and little mousetail; Narrow Endemic species include: Munz's onion, San Diego ambrosia, slender-horned spineflower, many-stemmed dudleya, spreading navarretia, California orcutt grass, San Miguel savory, Hammitt's clay-cress, and Wright's trichocoronis.

This task includes focused rare plant surveys for these species identified within these survey areas as well as plants not covered by the MSHCP but considered rare. The study area for this work will be the proposed project limits of disturbance and a 100-foot buffer. The survey will occur within the window of April through September to adequately capture the blooming period of the identified species. Results of the habitat evaluation and focused survey will be included in the NES.

#### Least Bell's Vireo and Southwestern Willow Flycatcher Protocol Surveys

The USFWS requires the surveys for least Bell's vireo be conducted pursuant to the Least Bell's Vireo Survey Guidelines (USFWS 2001) which requires a minimum of eight surveys be conducted at least 10 days apart between April 10 and July 31. CONSULTANT biologists will conduct USFWS protocol level surveys for least Bell's vireo throughout all areas of suitable habitat on and adjacent to the study area.

Surveys for southwestern willow flycatcher are dictated by two different protocols: Southwestern Willow Flycatcher Protocol Revision 2000 (USFWS 2000) and A Natural History Summary and Survey Protocol for the Southwestern Willow Flycatcher (USFWS 2010) which requires that surveys be conducted by individuals holding a Section 10(a)(1)(A) recovery permit for the species and a Memorandum of Understanding issued by CDFW. The survey protocol states that a minimum of one survey must be conducted between May 15 and May 31, a minimum of two surveys be conducted between June 1 and June 24 and a minimum of two surveys be conducted between June 25 and July 17. CONSULTANT permitted biologists will conduct USFWS protocol level surveys for southwestern willow flycatcher throughout all areas of suitable habitat on and adjacent to the study area. To satisfy the southwestern willow flycatcher survey protocols, 5 of the 8 visits for least Bell's vireo will be timed to occur between May 15 and July 17, with one visit from May 15 to May 31, two visits from June 1 to June 24, and 2 visits from June 25 to July 17. In this manner, these 5 visits will satisfy both the requirements of the least Bell's vireo and southwestern willow flycatcher protocols.

#### Fairy Shrimp Habitat Assessment and Protocol Surveys

Ponded areas within the LOD will be evaluated for potential suitable vernal pools and fairy shrimp. If suitable habitat is present, then protocol surveys with both wet- and dry-season sampling will be required. Records of Riverside fairy shrimp occur adjacent to the proposed project. As such, surveys will consist of the following wet and dry season protocols:

##### *Wet season sampling*

Wet season sampling must follow the U.S. Fish and Wildlife Service (USFWS) final Survey Guidelines to Permittees for Recovery Permits under Section 10(a)(1)(A) of the ESA for the Listed Vernal Pool Branchiopods (USFWS 2017) published on 13 November 2017. Briefly, each depression is photographed and the exact location is recorded using a GPS receiver. At each subsequent visit the air temperature, wind speed and other weather conditions are recorded along with the surface area, depth, and water temperature of each depression. The depressions are sampled throughout the entire water column, including edges and bottom, with a standard 500-micron aquatic dip net. Additionally, a 10-micron aquarium net may be used to sample the water column to ascertain the presence of newly hatched fairy shrimp and other small branchiopods (e.g., cladocerans and conchostracans). Protocol sampling commences when the depression retains > 3 centimeters of standing water 24 hours after a rain event. Depressions are sampled every 7 days until they are no longer inundated or they have been continuously inundated for 120 days. If the depressions desiccate and then subsequently refill, the depressions must be sampled every 7 days for another 120 days or until they are no longer inundated.

It is assumed that up to five pools will be surveyed for fairy shrimp surveys (the same five will be sampled under both the wet and dry season surveys/sampling). The number of pools is not known and it is also not possible to determine how many wet season site visits will actually be conducted given that this is predicated upon future weather conditions and ponding events, which cannot be accurately predicted. Hence, we have assumed 5 pools. If there are more pools and/or greater area of sampling required than anticipated, then a scope amendment will be requested. This would also be needed if ponding starts but does not last a sufficient time for sampling to be completed and the pools have to be surveyed multiple times before the surveys can be fully completed (i.e., until sampling lasts for a sufficient amount of time).

#### *Dry season sampling*

Soil sample collection and processing again follows the U.S. Fish and Wildlife Service (USFWS) Survey Guidelines for the Listed Large Branchiopods (USFWS, 2017). Depending upon the area of the pool, soil samples are sampled at 10-25 approximately equidistant points starting at the edge of the ponded area continuing lengthwise and widthwise; very small pools (<5 square meters) may require fewer samplings. Collection points are adjusted to include the deepest portions of the depressions. Soil samples of ~100 milliliter (ml) aliquots are removed at each subsample site and transferred to individually labeled plastic bags for analysis. The pools are photographed, and hand-drawn sketches of subsample locations are recorded in field notes.

Soil samples are placed into one-gallon plastic containers and allowed to pre-soak in water. The resulting slurry is slowly poured into a graded set of stacked U.S. standard eight-inch soil sieves (710, 300, and 150 micron), while concurrently being gently washed with flowing water. Water is then directed through the samples for a time period sufficient to wash all recovered resting eggs (cysts) into the 150-micron sieve. Soil remaining in the 150-micron sieve is used for analysis. To facilitate the analyses, the 150-micron samples are transferred to a 120ml beaker, whereupon the organic components are thrice-decanted. The remaining decanted organics along with the supernatant are poured into a three-inch 150- micron sieve then examined under a dissecting microscope at 10-30X to identify the species of fairy shrimp cysts present.

#### Crotch's Bumble Bee (CBB) Habitat Assessment

This task includes a CBB habitat assessment to classify habitat within the limits of disturbance (LOD) as having, low, moderate, or high potential for CBB occupation, considering factors such as plant composition, density, canopy, and nesting habitat presence.

High Potential: Site contains suitable foraging resources and nesting potential.

Moderate Potential: Site contains either suitable foraging resources or nesting potential.

Low Potential: Site contains few or no foraging resources and little to no nesting potential.

Pedestrian and windshield surveys will be completed to identify plant genera favorable to CBB (e.g., *Asclepias*, *Chaenactis*, *Lupinus*, *Medicago*, *Phacelia*, and *Salvia*) and other flowering plants suitable for foraging bees. The evaluation will also consider the density of suitable nesting substrates, such as rodent burrows, rock piles, dead wood, leaf litter, and other debris. Following completion of the field survey, a technical memorandum will be prepared describing methodologies and data collection procedures, field survey results, and will include maps illustrating areas of habitat categorized by potential for CBB occurrence.

It is assumed that no protocol surveys for Crotch's Bumble Bee will be required and none are included in this scope of work and associated fee. If the habitat assessment determines suitable habitat is present, then this information will be provided to the City and an amendment for surveys will be provided for approval prior to conducting this effort.

#### MSHCP Consistency Report

Based on the literature review, field surveys, and NES, an MSHCP Consistency Report will be developed using the most recent Regional Conservation Authority template and will be a stand-alone report appended to the NES. This document will only contain relevant information for the MSHCP consistency analysis, which will generally not be detailed in the NES.

#### Determination of Biological Equivalent or Superior Preservation (DBESP)

Because the project has the potential to impact riparian/riverine resources as defined under the MSHCP, a DBESP is assumed to be required due to anticipated impacts. As such, a DBESP will be drafted based on the MSHCP consistency analysis. The DBESP will follow the Regional Conservation Authority requirements and will include a project description, biological resource existing conditions, proposed impacts (direct and indirect), mitigation for impacts, and finding of equivalency or superior preservation for impacted MSHCP resources. This task includes GIS analysis, and meetings and conference calls with stakeholders (up to five virtual meetings/calls assumed).

#### **Jurisdictional Delineation**

A field jurisdictional delineation of potentially jurisdictional aquatic resources will be conducted within the survey area by two qualified CONSULTANT delineators. The study area will consist of the current project footprint plus a 100-foot buffer and the pedestrian-based field survey will be conducted using sub-meter GPS accuracy to precisely delineate the boundaries of agency jurisdiction and resource types. The delineation will assess potential aquatic resources pursuant to Sections 404 and 401 of the Clean Water Act, the Porter-Cologne Water Quality Control Act, and Section 1602 of the California Fish and Game Code, utilizing the procedures and practices in current publications and agency guidance documents, such as the USACE Wetland Delineation Manual (1987) and the USACE Regional Supplement to the Wetland Delineation Manual, Arid West Region, Version 2.0 (2008) and other current guidance and standard practices from each agency. Data points such as wetland data points, ordinary high water mark points and photo points will be collected to meet agency requirements and to meet expected agency questions about the presence and limits of specific resources, such as wetlands. Prior to the field visit, a review of applicable literature and mapping will be conducted to identify potential aquatic resources located in the study area. The project lies within the boundaries of the Western Riverside MSHCP and will also need to be assessed for MSHCP riparian/riverine areas, as discussed under the Biological Services Task.

Following the completion of the field visit, a jurisdictional delineation report will be prepared. The content of the report will include a description of the existing conditions, methods, and results. Figures prepared for the results report will include maps depicting the location of the survey effort and any findings. Delineation results will be presented in figures as well as tables. The report will meet the USACE minimum standards for a delineation report and other standard agency requirements and guidance and figures will be prepared in accordance with the Division mapping standards.

**Deliverables:** Draft and Final NES; Delineation Report prepared in accordance with Caltrans, USACE and CDFW standards; and DBESP.

### **165.15.15 Resource Agency Permit Related Coordination**

The most important portions of the assessment will be the discussions of potential project effects on federally listed threatened/endangered species and proposed avoidance, minimization, and mitigation efforts. CONSULTANT will base these discussions on our field studies, literature research, and correspondence with wildlife agency personnel and other knowledgeable individuals.

It is unknown whether permits will be required and/or the extent of any permitting efforts. Permits are not assumed or included in this scope of work. Time has been included for preliminary coordination efforts with U.S. Army Corps of Engineers, Regional Water Quality Control Board, and California Department of Fish and Game. If permits are identified as being needed then it is assumed that those would be prepared and processed under a separate project phase. The preparation of permit applications and processing are not included in this scope of work.

**Deliverables:** Preliminary coordination efforts with U.S. Army Corps of Engineers, Regional Water Quality Control Board, and California Department of Fish and Game.

### **165.20 Cultural Resource Studies**

CONSULTANT will use the 2023 records search obtained from the Eastern Information Center, prepared for the project and referenced in the approved PEAR. It is assumed that the records search that was previously conducted was done so in conformance with Caltrans requirements and consulted California's database of previous studies and previously recorded cultural resources within the proposed project area and within a one-mile radius. Historic maps and photographs shall also be reviewed, if available. An Area of Potential Effects (APE) map will be prepared in consultation with the City and Caltrans for obtaining Caltrans approval. The APE map will provide the survey boundaries for cultural resources to be evaluated during project studies. To account for physical effects due to damage, demolition, or vibration, the APE shall be based on the total anticipated disturbance footprint associated with project activities (e.g., road widening/construction, staging areas and other temporary construction easements, detours, drainage facilities, temporary construction activities, and parcels containing impacted structures, if any). It shall also account for potential visual and noise effects beyond the limits of disturbance. The Native American Heritage Commission will be contacted to request a review of its Sacred Lands File. We will coordinate with Caltrans for consultation with Native American groups and other interested parties under Section 106 of the National Historic Preservation Act (for purposes of NEPA), and also pursuant to Assembly Bill 52 (for purposes of CEQA), to request information regarding the types of potential cultural resources in the study area. Consultation will be conducted in accordance with appropriate current state and federal regulations; therefore, Caltrans will conduct the actual consultation with information that is prepared and provided by CONSULTANT.

Following completion of the record search/review, a field survey of the APE will be conducted for archaeological resources. It is assumed that the fieldwork can be conducted by two archaeologists in three days, which includes pedestrian survey and resource recordation. While the project area is known for its precontact archaeological sensitivity, this scope of work assumes that no precontact sites requiring evaluation will be identified in the APE and that testing and/or evaluation will not be required. CONSULTANT anticipates that an Archaeological Survey Report (ASR), with a Finding of No Archaeological Resources Present will be prepared, and no additional documentation for precontact archaeological resources will be required.

It is anticipated that the APE will contain historic archaeological resources, namely surface manifestations of prospecting trenches that may be exempted in accordance with the Caltrans Section 106 PA. Additionally, it is anticipated that the APE will contain built environment resources that will be exempt in accordance with the Caltrans Section 106 PA as well as non-exempt built environment resources. CONSULTANT will prepare a Historical Resources Evaluation Report (HRER) to address built environment and historic archaeological resources in the APE. Archaeologists will survey the APE for historic archaeological resources as part of the ASR. Architectural historians will undertake a field survey of the APE to record intact built environment resources. CONSULTANT will facilitate consultation with tribes under Section 106 and AB52, CONSULTANT will also facilitate consultation with government agencies and other interested parties in accordance with Section 106, and prepare relevant historic context statements. Archaeological and built environment resources in the APE will be recorded and evaluated on California Department of Parks and Recreation (DPR) 523 series form set. It is assumed that one property containing non-exempt built environment resources will require evaluation and will be determined ineligible for the National Register of Historic Places and California Register of Historical Resources, and that one historic period archaeological resource will be identified that is exempt per the Caltrans section 106 Programmatic Agreement (PA) and will not require evaluation. CONSULTANT assumes that the project will not identify any historic properties in the APE.

Following completion and approval of the APE and detailed reports discussed above, a summary document (the HPSR) will be prepared in accordance with Caltrans/FHWA standards for Section 106 compliance with the National Historic Preservation Act. It is anticipated that the proposed project will result in an HPSR with a finding of No Historic Properties Affected per Stipulation X.B of the Caltrans Section 106 PA. No additional cultural resources documentation is assumed or included.

**Deliverables:** Draft and Final APE map, ASR (Finding of No Archaeological Resources Present), HRER (Finding of No Historic Resources Present), and HPSR (no properties requiring evaluation finding).

#### **165.25 Draft Environmental Document**

As previously described it is assumed that a combined EIR/EA will be the appropriate environmental document for the project. The EIR/EA will be prepared using the annotated outline on the Caltrans SER that is available at the time that the document is initiated. Each copy of the Draft Environmental Document will include External Quality Control Form and NEPA Checklist. It is assumed that the firm that prepares each technical study will be responsible for preparing the associated section in the EIR/EA. The following submittals are assumed to meet the Caltrans five step review process.

#### **Deliverables:**

Draft EIR/EA (1) (electronically first to City and then to Caltrans)

Draft EIR/EA (2) and Comment Response Matrix (electronically to City and Caltrans for concurrent review)

Draft EIR/EA (3) and Comment Response Matrix (electronically to City and Caltrans for concurrent review)

Final Draft EIR/EA for approval to circulate and Comment/Response Matrix (electronically to City and Caltrans for concurrent review/confirmation and Caltrans approval to circulate; assumes no further comments)

5 hard copies and one electronic (pdf) final Draft EIR/EA for availability (this includes the copies for the availability locations)

#### Assumptions

- A No Build and three (3) build alternatives will be considered in the analysis.

#### **165.25.25 Prepare Second and Third Administrative Drafts of EIR/EA**

CONSULTANT will revise the Administrative Draft EIR/EA based on comments received from the City, and Caltrans, and will submit a Second and Third Administrative Draft EIR/EA to the City for their review. These Administrative Drafts of the EIR/EA will include all information described above, as well as the Executive Summary, MMRP, and ECR. On receipt of comments from the City, CONSULTANT will revise the document accordingly and will submit the Administrative Draft EIR/EA for concurrent the City and Caltrans review. A draft FHWA checklist will be included in the third submittal.

CONSULTANT will revise the document based on the comments received from the City, Caltrans, and FHWA on the third Administrative Draft EIR/EA and will prepare the Proposed Draft EIR/EA for review by the City. After review by the City, CONSULTANT will revise the Proposed Draft EIR/EA and submit it to the City, Caltrans, and FHWA requesting approval to circulate the document for public review. The FHWA Checklist will be included in this submittal.

**Deliverables:** Electronic reviews will be accomplished for the Administrative Draft of EIR/EA

#### **165.25 Aesthetics & Landscaping Concept**

CONSULTANT will prepare one (1) color-rendered Landscape Concept Plan at a scale of 1"=50' for the Nichols Road Interchange based on the preferred alternative. The plan will illustrate the design intent of the landscape improvements to comply with Caltrans planting requirements and local Water Conservation Ordinances. The plan will include a brief description of the overall approach to the landscape design, a description of the irrigation design with potential water meter and irrigation controller locations identified, the use of grouted and non-grouted rock, and Water Efficient Landscape calculations. The planting design will list potential native and low-water-use plant materials represented by plant symbols, plant material container sizes, and botanical and common names. An opinion of Probable Construction Costs for the proposed planting and irrigation improvements will be prepared.

CONSULTANT will prepare a Structural Aesthetics Concept Plan for the Nichols Road Interchange, showcasing the aesthetic treatment for any changes that could include the Nichols Road Bridge, Temescal Creek Bridge, or Collier Avenue retaining walls, including bridge abutments, fencing, and lighting. The graphics may include a color-rendered elevation of the treatments and representative photographs to convey the design intent.

**Deliverables:** Preliminary Aesthetics & Landscaping Concepts

#### **165.25.30 Environmental Coordination**

CONSULTANT will manage preparation of project-specific environmental resources, schedules, and information and will coordinate and review all technical environmental studies prior to inclusion in the EIR/EA. Coordination with Caltrans and FHWA to obtain approval to circulate the EIR/EA are also included in this task. Activities under this task will be performed in accordance with the Caltrans District 8 Environmental Quality Control Plan.



**Deliverables:** Establish and maintain schedule of environmental technical studies and environmental document review

## **175 CIRCULATE DED AND SELECT PREFERRED PROJECT ALTERNATIVE**

### **175.05 DED Circulation**

As part of the overall public outreach efforts, CONSULTANT will prepare a distribution list for the Draft EIR/EA and will prepare the draft Notice of Completion/Notice of Availability (NOC/NOA). CONSULTANT will distribute the NOC and Draft EIR/EI; Caltrans will be responsible for publishing the NOA in the *Federal Register*. The Draft EIR/EA distribution list will be based on the mailing list compiled for the scoping process and updated as appropriate based on correspondence received during preparation of the Draft EIR/EA.

CONSULTANT will reproduce the Draft EIR/EA and Technical Studies for public circulation via three media: 1) hard copy, 2) CD and 3) .PDF format for uploading to the Web.

#### **175.05.05 Master Distribution and Invitation Lists**

CONSULTANT will utilize the mailing/distribution list prepared and maintained by our outreach consultant for inclusion in the Draft EIR/EA.

**Deliverables:** Input to individuals and groups to be included on the distribution list.

#### **175.05.10 Notices Regarding Public Hearing and Availability of Draft Environmental Document (DED)**

CONSULTANT will prepare the Notice of Availability/Notice of Public Hearing (NOA/NPH) and a Notice of Availability for publication in the Federal Register (Caltrans transmits the draft EIR/EA to U.S. EPA who publish the EIS Notice of Availability in the Federal Register). Since a public hearing is assumed to be held, the notice will also need to be published a second time at least one week prior to the public hearing. CONSULTANT will also prepare the Notice of Completion and Environmental Document Transmittal for sending to the State Clearinghouse along with copies of the EIR/EA.

#### ***Deliverables:***

Draft and Final NOA/NPH (assumed to be transmitted electronically with no hard copies)

Draft and Final NOA (assumed to be transmitted electronically with no hard copies)

Draft and Final Notice of Completion & Environmental Document Transmittal for submittal to SCH

#### **175.05.15 DED Publication and Circulation**

Hardcopies of the draft EIR/EA and NOA/NPH will be provided to the availability locations (Caltrans, City, library), digital media containing the document and a hard copy of the NOA/NPH will be provided to other agencies and officials included on the distribution list (and anyone else who specifically requests a copy of the document), and a copy of the NOA/NPH will be provided to property owners and occupants within a 0.25 mile radius of the proposed Project (or other radius agreed to by the PDT). The State Clearinghouse Form (Notice of Completion and Environmental Document Transmittal), along with the Draft EIR/EA, will be submitted by CONSULTANT to the State Clearinghouse via CEQAnet (all submittals to CEQAnet will be

made electronically and no hard copies are assumed to be submitted to the State Clearinghouse or included in this scope of services). CONSULTANT will post the NOA/NPH at the Riverside County Clerk's office.

***Deliverables:*** Distribution of Draft EIR/EA to availability locations (Caltrans, City, library), Filing of NOA/NPH with Riverside County, Submittal of Draft EIR/EA to SCH (electronic only)

#### **175.10 Public Hearing**

CONSULTANT will assist and attend one public hearing during the public review period for the Draft EIR/EA. CONSULTANT will be responsible for coordinating and conducting the public hearing and for preparing the necessary handouts, materials, and exhibits for the hearings. CONSULTANT will provide public hearing materials which include:

- Mailing/Distribution lists
- Hearing materials
- Documentation of attendance
- Recording of comments
- Public Hearing Plan
- Court Reporter
- Record of Public Hearing
- Refreshments

CONSULTANT will plan and facilitate one (1) in-person public hearing to inform stakeholders of the project, alternatives, and environmental process and capture community input. CONSULTANT will work with the City to secure meeting space at a city-owned venue, including but not limited to the Lake Elsinore Cultural Center. The meeting format may include a formal presentation or a walk-in open house for community members to view exhibits at their own pace. Public meeting formats will be determined in coordination with the technical team.

CONSULTANT will lead all event logistics, including set-up, staffing, printed materials, refreshments, and meeting documentation. The meeting will feature bilingual English and Spanish materials and will include a certified Spanish Interpreter to address the diverse language needs of the community.

Notification activities for the public hearing will include the following;

- Postcard Mailer: Provide notification through postcard mailing. The notification boundary will be identified in the POP.
- Extended Outreach Toolkit: Develop an e-communications toolkit for the with copy-and-paste content and downloadable graphics to utilize on various communications platforms. This toolkit would be shared with the City of Lake Elsinore Chamber of Commerce and other stakeholder groups to spread the word about the public meeting.
- Social Media Posts: Provide notifications via the City's social media platforms to include information for Instagram and Facebook.
- Email (Eblast): Send eblasts to City identified stakeholder database list ahead of at key milestone dates. CONSULTANT will also pull from Rediscover Downtown list and I-15/SR-74 lists as well as coordinate with Lake Elsinore Chamber of Commerce with distribution.

- Local Newspaper Advertisements: CONSULTANT will prepare copy, content, and graphics for newspaper and digital advertisements to boost understanding and participation. CONSULTANT recommends Press Enterprise, Valley News, La Prensa, and The Patch for this effort.
- Door to Door Flyer Distribution: Distribute to public counter locations and targeted businesses within or near the study area.

#### **175.15 Public Comment Responses and Correspondence**

At the close of the public availability period for the Draft EIR/EA, CONSULTANT will review and respond to all comments received. In addition, CONSULTANT will attend a meeting with City and Caltrans staff to review any written comments on the Draft EIR/EA that were received and to discuss potential responses to these comments, if the comments received warrant such a meeting. Otherwise, the comments will be responded to and incorporated directly into the Final EIR/EA. It is assumed that no comments requiring new or extensive analyses will be received on the Draft EIR/EA or requiring the input of lawyers.

#### **Deliverables:**

Responses to comments (included in Final EIR/EA)

#### **175.20 Project Preferred Alternative**

Working with the PDT the preferred alternative will be identified and documented in the Final EIR/EA. No deliverables are associated with this task as information will be directly incorporated into the Final EIR/EA.

**Deliverables:** Information regarding identification of preferred alternative (included in Final EIR/EA)

## **180 PREPARE AND APPROVE PR & FINAL ED**

### **180.05 Final Project Report**

#### **180.05.05 Updated Draft Project Report**

Upon completion of the Response to Comments on the Environmental Document, the Draft Project Report will be updated to reflect any changes to the project that resulted from the public review and comment period. A Draft Final Project Report will be submitted to the City and Caltrans for review and comment. Following receipt of one consolidated set of comments, a comment review workshop will be held with the respondents to review their comments and provide appropriate responses. A Final Project Report will be prepared and submitted for review and approval.

**Deliverables:** Draft and Final Project Report

#### **180.05.10 Approved Project Report**

Once the Final Project Report has been submitted for review and approval, the project manager or his designee will work with the City and Caltrans to obtain the appropriate signatures. If issues or questions arise during the approval phase, the HDR team will work with the City and/or Caltrans staff to answer any remaining questions, provide additional information, and obtain signatures as appropriate. Up to three (3) submittals (two review

cycles) of the Final Project Report are anticipated.

**Deliverables:** Signed Project Report

#### **180.05.15 Updated Storm Water Data Report**

The Storm Water Data Report will be reviewed for consistency with current requirements and updated to incorporate necessary changes for the selected alternative only. Current Project Report level requirements are anticipated for this effort. Up to three submittals (two review cycles) are anticipated.

**Deliverables:** Storm Water Data Report

#### **180.05.20 Geometric Approval Drawings (GAD) for Selected Alternative**

CONSULTANT will prepare geometric approval drawings (GAD) for the Preferred Build Alternative at a scale of 1" = 50' consistent with the Caltrans District 8 GAD strip plot format for the selected/preferred alternative from the Project Report. The GAD will include existing topographic and planimetric mapping, right-of-way lines, I-15 centerline, geometric layout, typical sections, traffic volumes, design designation, and a signature block.

CONSULTANT will design roadway geometry including horizontal and vertical geometry for ramps, connectors and cross streets, including profile and superelevation diagrams. Profiles and superelevation diagrams will be provided for the areas of mainline widening based on aerial topographic mapping and record drawing information. Conceptual grading using 2:1 or 4:1 slopes will be developed to establish preliminary right-of-way limits.

Typical cross sections will be prepared to illustrate lane and shoulders in the lane configurations and other basic cross sectional data. Truck turning templates will only be provided at intersections modified by the project.

Up to four (4) submittals (three review cycles) of the GADs are anticipated.

**Deliverables:** Geometric Approval Drawing

#### **180.10.05 Approved Final Environmental Document**

The EIR/EA will be revised to include the responses to comments received during public circulation, to document the identified preferred alternative, and to document whether any changes to the project have occurred. The submittals of the Final EIR/EA are identified below. No submittals beyond those listed below are included in this scope of work.

##### **Deliverables:**

Final EIR/EA/FONSI (1) (electronically first to City and then to Caltrans)

Final EIR/EA/FONSI (2) and Comment Response Matrix (electronically to City and Caltrans for concurrent review)

Final EIR/EA/FONSI for approval to circulate and Comment/Response Matrix (electronically to City and Caltrans for concurrent review and Caltrans concurrence) (assumes no further comments)

Electronic (pdf) Final EIR/EA/FONSI for availability and agency records (assumes no further comments or changes to the document will be made)

#### **180.10.05.20 Findings**

CONSULTANT will prepare the Findings of Fact in compliance with CEQA and the Caltrans

SER. The Findings will be submitted along with, and reviewed with, the Final EIR/EA.

**Deliverables:** Findings (to be submitted with, and reviewed with, the Final EIR/EA/FONSI)

#### **180.10.05.25 Statement of Overriding Considerations**

The Statement of Overriding Considerations, if needed, will be prepared in compliance with CEQA and the Caltrans SER. The Statement of Overriding Considerations will be submitted along with, and reviewed with, the Final EIR/EA.

**Deliverables:** Statement of Overriding Considerations (to be submitted with, and reviewed with, the Final EIR/EA/FONSI)

#### **180.10.05.30 CEQA Certification**

CONSULTANT will prepare the CEQA Certification in compliance with CEQA and the Caltrans SER. The CEQA Certification will be submitted along with, and reviewed with, the Final EIR/EA.

**Deliverables:** CEQA Certification (to be submitted with, and reviewed with, the Final EIR/EA)

#### **180.10.10 Public Distribution of FED and Respond to Comments**

At least 10 days prior to adoption the responses to comments on the Draft EIR (as proposed for inclusion in the Final EIR/EA) will be provided to any agencies that commented on the Draft EIR/EA. It is assumed that no further comments will be provided by the reviewing agencies.

**Deliverables:** Distribution of response to comments to commenting agencies (electronically only)

#### **180.15.05 Federal Register Notice (NEPA)**

CONSULTANT will prepare a notice for publication in the Federal Register by FHWA to start the NEPA statute of limitations. This notice will be prepared in compliance with the SER, and it is assumed that a Draft and Final version of the notice will be prepared, and that coordination and publication of the notice will be the responsibility of Caltrans and FHWA.

**Deliverables:** Draft and Final Federal Register Notice (all transmittals assumed to be done electronically)

#### **180.15.10 Notice of Determination (CEQA)**

The Notice of Determination (NOD) will be prepared in compliance with CEQA. The NOD will be electronically filed with the Office of Planning and Research on behalf of Caltrans. The NOD would also be posted with the Riverside County Clerk (a \$50 filing fee has been assumed). Along with the NOD, a California Department of Fish and Game (CDFG) filing fee would also be filed. It is assumed that the filing fee will be paid directly by the City and the filing fee cost is therefore not included in this scope and associated fee.

**Deliverables:** Draft and Final NOD (submitted electronically for review and to the State Clearinghouse)





# 03

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## Project Fee Breakdown (By Firm)

## HDR

TASK	DESCRIPTION	David Lew	Brooke Bannasch	Rebecca Shum	Steve Crouch	Irene Shin	Jessica Hegardt	Alondra Villegas	Miguel Gonzalez	Hannah Habolan	Clay Walker	Danny Mendoza	Dawn Wilson	Dan Weddell	Akshay Banesh	Vinh Trinh	Machiko Yoshioka	Cecell Cheng	Highway Engineer	Sr Highway Engineer	Robert Ewing	Bridge EIT	Sr Bridge Engineer	TOTAL HOURS	Cost
<b>Task 100 - Project Management</b>																									
100.10	Coordination/Administration	4	540	680	60	0	0	0	0	0	0	0	0	80	0	0	88	300	0	0	0	0	0	1752	\$ 435,537.71
100.10	Meetings	2	160	240										80										482	\$ 139,344.15
100.10	Schedules		80	160																				240	\$ 64,816.19
100.10	Project Management Execution & Control	0	80	80													36	100						296	\$ 62,250.33
100.10	Project Communications Plan/Risk Management Plan		60	40	20																			120	\$ 35,260.19
100.10	Monthly Progress Reports/Invoices		80	40													36	160						316	\$ 59,202.46
100.10	Quality Management Plan, QA&QC	2	80	120	40												16	40						298	\$ 74,664.38
100.10	Project Management Plan		40	60	20													40						160	\$ 37,884.16
100.10	Public Outreach/Council Meetings		24	24						40				24										112	\$ 28,332.32
100.10	Project Management PA&ED Close-Out	0	8	16													8	40						72	\$ 12,139.96

<b>SUBTOTAL Task 100 - Project Management</b>		<b>4</b>	<b>612</b>	<b>780</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>104</b>	<b>0</b>	<b>0</b>	<b>96</b>	<b>380</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,096</b>	<b>\$ 513,894.14</b>
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<b>Task 160: Perform Preliminary Engineering Studies and Draft Project Report</b>																									
160.05	Data Collection		8	10					16	10														44	\$ 9,182.75
160.05	Encroachment Permit Application		20	10														10						40	\$ 11,177.09
160.10	Traffic Methodology Memo, Volumes Report, TOAR & ISOAP		4	10																				14	\$ 3,908.30
160.10	VMT Memo, Study, Assessment & Mitigation		16	16																				32	\$ 9,567.78
160.10	Geometric Plans For Project Alternatives		16	32			100			60									40	20				268	\$ 58,074.87
160.10	Prepare Construction Staging Concept Plans		16	24				80		40									16	0				176	\$ 32,197.84
160.10	Value Engineering		12	12		8	8							16					12	80			40	188	\$ 50,903.45
160.10	Hydraulics/Hydrology Studies		2	10																				12	\$ 3,217.78
160.10	Drainage Concept Plans		2	10																				12	\$ 3,217.78
160.10	Storm Water Data Report		2	10																				12	\$ 3,217.78
160.10	Updated Right-Of-Way Data Sheets		8	20		40			60										40	0				168	\$ 31,056.80
160.10	Determine Right of Way Requirements		8	16		20			40			40							20	0				144	\$ 30,323.56
160.10	Utility Locations Determined For Preliminary Engineering		8	16				20	80	0		20							20	0				164	\$ 29,698.52
160.10	Geotechnical Information ( DPGR, LCCA, PMR)		4	10																				14	\$ 3,908.30
160.10	Structure Advanced Planning Study (APS)		10	20										80	180	60			40		180	380		950	\$ 194,614.61
160.10	Structures Preliminary Geotechnical Report (SPGR)		2	10																				12	\$ 3,217.78
160.10	Preliminary OH Signing Concept		10	16			0	60	20															106	\$ 19,250.38
160.10	MAR & FHWA Oversight (if needed)		32	32			0			100										40				204	\$ 45,169.66



## HDR

TASK	DESCRIPTION	David Lew	Brooke Bannasch	Rebecca Shum	Steve Crouch	Irene Shin	Jessica Hegardt	Alondra Villegas	Miguel Gonzalez	Hannah Habolan	Clay Walker	Danny Mendoza	Dawn Wilson	Dan Weddell	Akshay Banesh	Vinh Trinh	Machiko Yoshioka	Ceceil Cheng	Highway Engineer	Sr Highway Engineer	Robert Ewing	Bridge EIT	Sr Bridge Engineer	TOTAL HOURS	Cost
160.10	Constructability Review		8	24							60													92	\$ 27,519.65
160.10	Updated Preliminary Transportation Management Plan (Checklist)		2	20				40		0									20					82	\$ 14,890.02
160.15	Prepare Cost Estimates for Alternatives		16	24		40			80															160	\$ 30,685.12
160.15	Prepare DSDD for Exceptions to Design Standards		16	30			100			60			40						40	20				306	\$ 72,752.65
160.15	Prepare HSM Analysis		10	30			80																	120	\$ 29,307.65
160.15	Prepare Draft Project Report		80	280			40			80														480	\$ 120,531.57
160.15	Circulate, Review and Approve Draft Project Report		40	40																				80	\$ 23,919.46
160.2	Design Surveys & Mapping		2	10																				12	\$ 3,217.78
160.30	Obtain Rights of Entry for Environmental Studies		16	16		0			30			40							30					132	\$ 29,533.24
SUBTOTAL - Task 160		0	370	758	0	108	328	140	366	370	60	100	40	96	180	60	0	0	288	160	180	380	40	4,024	\$ 894,262.19

Task 165- Prepare Environmental Studies and Prepare Draft Environmental Document																									
160.05	Perform Public And Agency Scoping and Community Outreach		40	80						80														200	\$ 47,039.30
160.05	Prepare for and Conduct Scoping Meetings		20	10									10											40	\$ 13,137.41
160.05	Draft Scoping Summary Report		10	10																				20	\$ 5,979.86
160.05	Final Scoping Summary Report		10	16																				26	\$ 7,496.22
165.10	Noise Abatement Decision Report		20	40				40		100									60					260	\$ 49,401.21
165.25	Environmental Coordination		200	200						0														400	\$ 119,597.29
SUBTOTAL - Task 3		0	300	356	0	0	0	40	0	180	0	0	0	10	0	0	0	0	60	0	0	0	0	946	\$ 242,651.29

Task 175: Circulate Draft Environmental Document and Select Preferred Project Alternative																									
175.05	DED Publication And Circulation		20																					20	\$ 7,250.47
175.10	Public Hearing		40	60									10											110	\$ 34,312.87
175.10	Public Hearing Logistics		20	20																				40	\$ 12,557.72
175.10	Displays for Public Hearing		40	40					80										40					200	\$ 46,104.18
175.15	Public Comment Responses And Correspondence		20	40																				60	\$ 17,864.96
175.20	Project Preferred Alternative		10	20																				30	\$ 8,932.48
SUBTOTAL - Task 175		0	150	180	0	0	0	0	0	80	0	0	0	10	0	0	0	0	40	0	0	0	0	460	\$ 127,022.68

HDR

TASK	DESCRIPTION	David Lew	Brooke Bannasch	Rebecca Shum	Steve Crouch	Irene Shin	Jessica Hegardt	Alondra Villegas	Miguel Gonzalez	Hannah Habolan	Clay Walker	Danny Mendoza	Dawn Wilson	Dan Weddell	Akshay Banesh	Vinh Trinh	Machiko Yoshioka	Ceceil Cheng	Highway Engineer	Sr Highway Engineer	Robert Ewing	Bridge EIT	Sr Bridge Engineer	TOTAL HOURS	Cost
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Task 180: Prepare and Approve Project Report and Final Environmental Document																									
180.05	Updated Final Project Report		30	40			20			60			4						40	20				214	\$ 53,113.36
180.05	Approved Project Report		30	40						20														90	\$ 26,150.81
180.05	Updated Storm Water Data Report		2	8																				10	\$ 2,990.34
180.05	Geometric Approval Drawings (GAD) for Selected Alternative		40	60			120			100									40					360	\$ 87,787.51
SUBTOTAL - Task 180		0	102	148	0	0	140	0	0	180	0	0	4	0	0	0	0	0	80	20	0	0	0	674	\$ 170,042.03

TOTAL (NTP 2025 - December 31, 2025)	4	612	780	80	0	0	0	0	40	0	0	0	104	0	0	96	380	0	0	0	0	0	2,096	\$ 513,894.14
TOTAL (January 1, 2026 - December 31, 2026)	0	670	1,114	0	108	328	180	366	550	60	100	40	106	180	60	0	0	348	160	180	380	40	4,970	\$ 1,136,913.48
TOTAL (January 1, 2027 - December 31, 2027)	0	150	180	0	0	0	0	0	80	0	0	0	10	0	0	0	0	40	0	0	0	0	460	\$ 127,022.68
Sum Total	4	1,432	2,074	80	108	328	180	366	670	60	100	40	220	180	60	96	380	388	160	180	380	40	7,526	\$ 1,777,830.29
TOTAL (January 1, 2028 - December 31, 2028)	0	102	148	0	0	140	0	0	180	0	0	4	0	0	0	0	0	80	20	0	0	0	674	\$ 170,042.03
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
Sum Total	0	102	148	0	0	140	0	0	180	0	0	4	0	0	0	0	0	80	20	0	0	0	674	\$ 170,042.03
ODC																								\$ 4,046.76
Project Total	4	1,534	2,222	80	108	468	180	366	850	60	100	44	220	180	60	96	380	468	180	180	380	40	8,200.00	\$ 1,951,919.08

HDR

**PRICE SUMMARY SHEET  
SCHEDULE OF FEES (PS&E Design)**

**SCHEDULE II - OTHER DIRECT COSTS SCHEDULE**

Vendor Code	Type of ODC	Quantity	Unit Rate	Budget Amount
	Mileage	1,400	\$0.70	\$980.00
	Printing (8.5"x11" Black & White)	120	\$0.041	\$4.92
	Printing (11"x17" Black & White)	80	\$0.063	\$5.04
	Printing (8.5"x11" Color)	80	\$0.160	\$12.80
	Printing (11"x17" Color)	80	\$0.320	\$25.60
	Full Color Presentation Exhibits - SF	40	\$7.70	\$308.00
	Postage - Overnight Mail	30	\$29.00	\$870.00
	Courier Mail	80	\$14.88	\$1,190.40
	Permit Fees	1	\$300.00	\$300.00
	Records Request Fees	1	\$350.00	\$350.00
	Potholing (includes traffic control)	0	\$2,000.00	\$0.00
			Total	\$4,046.76

ARE

TASK	DESCRIPTION	Stacey Falcioni	Stephanie Espinoza	Kyle Santiago	Nancy Verduzco	Project Coordinator	Asst, Project Coordinator	TOTAL HOURS	Cost
Task 100 - Project Management									
100.10	Coordination/Administration	15	36	0	0	0	0	51	\$ 8,197.20
100.10	Meetings	15	36					51	\$ 8,197.20
100.10	Quality Management Plan							0	\$ -
100.10	Public Outreach	4	17			25	27	73	\$ 7,764.24
SUBTOTAL Task 100 - Project Management		19	53	0	0	25	27	124	\$ 15,961.44
Task 160: Perform Preliminary Engineering Studies and Draft Project Report									
160.05	Data Collection							0	\$ -
SUBTOTAL - Task 160		0	0	0	0	0	0	0	\$ -
Task 165- Prepare Environmental Studies and Prepare Draft Environmental Document									
160.05	Perform Public And Agency Scoping and Community Outreach	12	27			47	62	148	\$ 16,374.20
160.05	Prepare for and Conduct Scoping Meetings	2	6	15	30	10	10	73	\$ 9,521.82
160.05	Draft Scoping Summary Report	1	5			7	5	18	\$ 2,095.63
160.05	Final Scoping Summary Report	1	5			8	5	19	\$ 2,200.97
SUBTOTAL - Task 165		16	43	15	30	72	82	258	\$ 30,192.62
Task 175: Circulate Draft Environmental Document and Select Preferred Project Alternative									
175.10	Public Hearing	8	8			8	8	32	\$ 4,563.82
175.10	Public Hearing Logistics	5	20			40	55	120	\$ 13,199.57
175.10	Displays for Public Hearing	2	6	15	25	10	5	63	\$ 8,877.33
SUBTOTAL - Task 175		15	34	15	25	58	68	215	\$ 26,640.72
Task 180: Prepare and Approve Project Report and Final Environmental Document									
SUBTOTAL - Task 180		0	0	0	0	0	0	0	\$ -
TASK A - Funding (Optional)									
SUBTOTAL - Task A		0	0	0	0	0	0	0	\$ -
TOTAL (NTP 2025 - December 31, 2025)		19	53	0	0	25	27	124	\$ 15,961.44
TOTAL (January 1, 2026 - December 31, 2026)		16	43	15	30	72	82	258	\$ 30,192.62
TOTAL (January 1, 2027 - December 31, 2027)		15	34	15	25	58	68	215	\$ 26,640.72
Sum Total		50	130	30	55	155	177	597	\$ 72,794.79
TOTAL (January 1, 2028 - December 31, 2028)		0	0	0	0	0	0	0	\$ -
		0	0	0	0	0	0	0	\$ -
		0	0	0	0	0	0	0	\$ -
Sum Total		0	0	0	0	0	0	0	\$ -
ODC									\$ 34,800.00
Project Total		50	130	30	55	155	177	597.00	\$ 107,594.79

ARE

PRICE SUMMARY SHEET  
SCHEDULE OF FEES (PA&ED)

SCHEDULE II - OTHER DIRECT COSTS SCHEDULE

Vendor Code	Type of ODC	Quantity	Unit Rate	Budget Amount
	Mileage	1,143	\$0.700	\$800
	Printing (collateral)	1	\$1,900.000	\$1,900
	Full Color Presentation Boards	14	\$150.00	\$2,100
	Mailing/Postage	2	\$4,000.00	\$8,000
	Translation/Interpretation (Spanish)	2	\$1,500.00	\$3,000
	Materials/Supplies	1	\$500.00	\$500
	News Advertisements	2	\$8,000.00	\$16,000
	Court Reporter	2	\$1,250.00	\$2,500
			Total	\$34,800

BEC

TASK	DESCRIPTION	Courtney Richards	Joseph El Adli	Daniel Nolan	Luis Mendoza	Austin Dietrich	TOTAL HOURS	Cost
Task 100 - Project Management								
100.10	Coordination/Administration	0	0	0	0	0	0	\$ -
100.10	Project Management Plan						0	\$ -
100.10	Public Outreach						0	\$ -
SUBTOTAL Task 100 - Project Management		0	0	0	0	0	0	\$ -
Task 160: Perform Preliminary Engineering Studies and Draft Project Report								
SUBTOTAL - Task 160		0	0	0	0	0	0	\$ -
Task 165- Prepare Environmental Studies and Prepare Draft Environmental Document								
165.10	Paleontology Study	16	15	56	10	17	114	\$ 18,250.04
SUBTOTAL - Task 165		16	15	56	10	17	114	\$ 18,250.04
Task 175: Circulate Draft Environmental Document and Select Preferred Project Alternative								
SUBTOTAL - Task 175		0	0	0	0	0	0	\$ -
Task 180: Prepare and Approve Project Report and Final Environmental Document								
SUBTOTAL - Task 180		0	0	0	0	0	0	\$ -
TASK A - Funding (Optional)								
SUBTOTAL - Task A		0	0	0	0	0	0	\$ -
TASK 7 -								
SUBTOTAL - Task 7 -		0	0	0	0	0	0	\$ -
TASK 8								
SUBTOTAL		0	0	0	0	0	0	\$ -
TOTAL (NTP 2025 - December 31, 2025)		0	0	0	0	0	0	\$ -
TOTAL (January 1, 2026 - December 31, 2026)		16	15	56	10	17	114	\$ 18,250.04
TOTAL (January 1, 2027 - December 31, 2027)		0	0	0	0	0	0	\$ -
Sum Total		16	15	56	10	17	114	\$ 18,250.04
TOTAL (January 1, 2028 - December 31, 2028)		0	0	0	0	0	0	\$ -
		0	0	0	0	0	0	\$ -
		0	0	0	0	0	0	\$ -
Sum Total		0	0	0	0	0	0	\$ -
ODC		0	0	0	0	0	0	\$ 249.00
Project Total		16	15	56	10	17	114.00	\$ 18,499.04

BEC

**PRICE SUMMARY SHEET  
SCHEDULE OF FEES (PA&ED)**

**SCHEDULE II - OTHER DIRECT COSTS SCHEDULE**

Vendor Code	Type of ODC	Quantity	Unit Rate	Budget Amount
	Mileage	70	\$0.700	\$49.00
	Printing (8.5"x11" Black & White)	0	\$0.041	\$0.00
	Printing (11"x17" Black & White)	0	\$0.063	\$0.00
	Printing (8.5"x11" Color)	0	\$0.000	\$0.00
	Printing (11"x17" Color)	0	\$0.000	\$0.00
	Full Color Presentation Exhibits - SF	0	\$0.91	\$0.00
	Postage - Overnight Mail	0	\$29.00	\$0.00
	Courier Mail	0	\$14.88	\$0.00
	Paleontological Records Search	1	\$200.00	\$200.00
	X	0	\$0.00	\$0.00
	X	0	\$0.00	\$0.00
			Total	\$249.00



EMI

TASK	DESCRIPTION	Alaresh Thuraiajah	Principal Engineer / Geologist	Senior Engineer / Geologist	Sr. Project Engineer / Geologist	Project Engineer / Geologist	Staff Engineer / Geologist	TOTAL HOURS	Cost
Task 100 - Project Management									
100.10	Coordination/Administration	6	0	8	0	0	0	14	\$3,599
100.10	Meetings	4		4				8	\$2,114
100.10	Schedules							0	\$0
100.10	Project Controls & Administration, Site Visits							0	\$0
100.10	Quality Management Plan	2		4				6	\$1,485
100.10	Project Management Plan							0	\$0
100.10	Public Outreach							0	\$0
SUBTOTAL Task 100 - Project Management		6	0	8	0	0	0	14	\$3,599
Task 160: Perform Preliminary Engineering Studies and Draft Project Report									
160.10	Structures Preliminary Geotechnical Reports (SPGR) for Bridges	24	30	30		48		132	\$29,942
160.10	Structures Preliminary Geotechnical Reports (SPGR) for Non-Std Retaining Walls	16	24	16		32		88	\$20,044
160.10	Preliminary Geotechnical Design Report	10		20	24		24	78	\$15,470
160.10	Preliminary Materials Report	10		10	20		10	50	\$10,639
160.10	LCCA	20	20		80		30	150	\$30,563
SUBTOTAL - Task 160		80	74	76	124	80	64	498	\$106,657
Task 165- Prepare Environmental Studies and Prepare Draft Environmental Document									
165.10	Summary Of Geotechnical Report	4		8				12	\$3,118
165.10	Hazardous Waste Initial Site Assessment							0	\$0
SUBTOTAL - Task 165		4	0	8	0	0	0	12	\$3,118
Task 175: Circulate Draft Environmental Document and Select Preferred Project Alternative									
SUBTOTAL - Task 175		0	0	0	0	0	0	0	\$0
Task 180: Prepare and Approve Project Report and Final Environmental Document									
SUBTOTAL - Task 180		0	0	0	0	0	0	0	\$0
TASK A - Funding (Optional)									
SUBTOTAL - Task A		0	0	0	0	0	0	0	\$0
TOTAL (NTP 2025 - December 31, 2025)		6	0	8	0	0	0	14	\$3,599
TOTAL (January 1, 2026 - December 31, 2026)		84	74	84	124	80	64	510	\$109,775
TOTAL (January 1, 2027 - December 31, 2027)		0	0	0	0	0	0	0	\$0
Sum Total		90	74	92	124	80	64	524	\$113,374
TOTAL (January 1, 2028 - December 31, 2028)		0	0	0	0	0	0	0	\$0
		0	0	0	0	0	0	0	\$0
		0	0	0	0	0	0	0	\$0
Sum Total		0	0	0	0	0	0	0	\$0
ODC									\$0
Project Total		90	74	92	124	80	64	524.00	\$113,373.63

EMI

PRICE SUMMARY SHEET SCHEDULE OF FEES (PA&ED)  <u>SCHEDULE II - OTHER DIRECT COSTS SCHEDULE</u>				
Vendor Code	Type of ODC	Quantity	Unit Rate	Budget Amount
	Mileage	0	\$0.700	\$0.00
	Printing (8.5"x11" Black & White)	0	\$0.041	\$0.00
	Printing (11"x17" Black & White)	0	\$0.063	\$0.00
	Printing (8.5"x11" Color)	0	\$0.000	\$0.00
	Printing (11"x17" Color)	0	\$0.000	\$0.00
	Full Color Presentation Exhibits - SF	0	\$0.91	\$0.00
	Postage - Overnight Mail	0	\$29.00	\$0.00
	Courier Mail	0	\$14.88	\$0.00
	X	0	\$0.00	\$0.00
	X	0	\$0.00	\$0.00
	X	0	\$0.00	\$0.00
			Total	\$0.00

F&P

TASK	DESCRIPTION	Jason Pack, P.E.	Diwu Zhou, P.E.	Logan Aspetia	Biling Liu	TBD	TBD	David Stanek	TOTAL HOURS	Cost
Task 100 - Project Management										
100.10	Coordination/Administration	84	90	0	0	0	8	0	182	\$ 48,178.44
100.10	Meetings	80	80				8		168	\$ 44,785.63
100.10	Schedules								0	\$ -
100.10	Project Controls & Administration, Site Visits								0	\$ -
100.10	Quality Management Plan	4	10						14	\$ 3,392.81
SUBTOTAL Task 100 - Project Management		84	90	0	0	0	8	0	182	\$ 48,178.44
Task 160: Perform Preliminary Engineering Studies and Draft Project Report										
160.10	Traffic Methodology Memo, Volumes Report, & TOAR	40	64	60	86	396	32		678	\$ 104,548.47
160.10	VMT Memo, Study, Assesment & Mitigation	40	40	10	40	40	10		180	\$ 36,889.74
160.10	ISOAP	10	40	80	46	120	16		312	\$ 48,316.29
160.10	Value Engineering							40	40	\$ 11,437.59
SUBTOTAL - Task 160		90	144	150	172	556	58	40	1,210	\$ 201,192.09
Task 165- Prepare Environmental Studies and Prepare Draft Environmental Document										
SUBTOTAL - Task 165		0	0	0	0	0	0	0	0	\$ -
Task 175: Circulate Draft Environmental Document and Select Preferred Project Alternative										
SUBTOTAL - Task 175		0	0	0	0	0	0	0	0	\$ -
Task 180: Prepare and Approve Project Report and Final Environmental Document										
SUBTOTAL - Task 180		0	0	0	0	0	0	0	0	\$ -
TASK A - Funding (Optional)										
SUBTOTAL - Task A		0	0	0	0	0	0	0	0	\$ -
TOTAL (NTP 2025 - December 31, 2025)										
TOTAL (NTP 2025 - December 31, 2025)		84	90	0	0	0	8	0	182	\$ 48,178.44
TOTAL (January 1, 2026 - December 31, 2026)										
TOTAL (January 1, 2026 - December 31, 2026)		90	144	150	172	556	58	40	1,210	\$ 201,192.09
TOTAL (January 1, 2027 - December 31, 2027)										
TOTAL (January 1, 2027 - December 31, 2027)		0	0	0	0	0	0	0	0	\$ -
Sum Total										
Sum Total		174	234	150	172	556	66	40	1,392	\$ 249,370.53
TOTAL (January 1, 2028 - December 31, 2028)										
TOTAL (January 1, 2028 - December 31, 2028)		0	0	0	0	0	0	0	0	\$ -
Sum Total										
Sum Total		0	0	0	0	0	0	0	0	\$ -
ODC										
ODC										\$ 11,400.00
Project Total										
Project Total		174	234	150	172	556	66	40	1,392.00	\$ 260,770.53

F&amp;P

**PRICE SUMMARY SHEET  
SCHEDULE OF FEES (PA&ED)**

**SCHEDULE II - OTHER DIRECT COSTS SCHEDULE**

Vendor Code	Type of ODC	Quantity	Unit Rate	Budget Amount
	Mileage	500	\$0.700	\$350.00
	Printing (8.5"x11" Black & White)	0	\$0.041	\$0.00
	Printing (11"x17" Black & White)	0	\$0.063	\$0.00
	Printing (8.5"x11" Color)	0	\$0.000	\$0.00
	Printing (11"x17" Color)	0	\$0.000	\$0.00
	Full Color Presentation Exhibits - SF	0	\$0.91	\$0.00
	Postage - Overnight Mail	0	\$29.00	\$0.00
	Courier Mail	0	\$14.88	\$0.00
	Intersection Counts	13	\$600.00	\$7,800.00
	Classification Counts Freeway	1	\$2,000.00	\$2,000.00
	Classification Counts Segment	1	\$250.00	\$250.00
	Other Segment Counts	4	\$250.00	\$1,000.00
			Total	\$11,400.00

GDC

TASK	DESCRIPTION	Glenn Burks	Jack Packwood	Associate	Senior	Project	Staff	Drafting	TOTAL HOURS	Cost
Task 100 - Project Management										
SUBTOTAL Task 100 - Project Management		0	0	0	0	0	0	0	0	\$ -
Task 160: Perform Preliminary Engineering Studies and Draft Project Report										
SUBTOTAL - Task 160		0	0	0	0	0	0	0	0	\$ -
Task 165- Prepare Environmental Studies and Prepare Draft Environmental Document										
165.10	Hazardous Waste Initial Site Assessment	4	12			76			92	\$ 16,122.45
165.10	Update Aerially Deposited Lead Survey (ADL) & Hazmat Bridge Survey	18	54			164	164	8	408	\$ 63,978.05
165.10	Location Hydraulic, Floodplain Study Reports, Rapid Assessment of Stream Crossings Report (RAS), Floodplain								0	\$ -
165.10	Paleontology Study								0	\$ -
165.10	Environmental Commitments Record								0	\$ -
165.15	Biological Studies								0	\$ -
165.15	Resource Agency Permit Related Coordination								0	\$ -
165.20	Cultural Resource Studies								0	\$ -
165.25	Draft Environmental Document								0	\$ -
165.25	Section 4(f) Evaluation								0	\$ -
165.25	Prepare Second and Third Administrative Drafts of EIR/EIS								0	\$ -
165.25	Aesthetics & Landscaping Concept								0	\$ -
165.25	Environmental Coordination								0	\$ -
SUBTOTAL - Task 165		22	66	0	0	240	164	8	500	\$ 80,100.50
Task 175: Circulate Draft Environmental Document and Select Preferred Project Alternative										
SUBTOTAL - Task 175		0	0	0	0	0	0	0	0	\$ -
Task 180: Prepare and Approve Project Report and Final Environmental Document										
SUBTOTAL - Task 180		0	0	0	0	0	0	0	0	\$ -
TASK A - Funding (Optional)										
SUBTOTAL - Task A		0	0	0	0	0	0	0	0	\$ -
TOTAL (NTP 2025 - December 31, 2025)		0	0	0	0	0	0	0	0	\$ -
TOTAL (January 1, 2026 - December 31, 2026)		22	66	0	0	240	164	8	500	\$ 80,100.50
TOTAL (January 1, 2027 - December 31, 2027)		0	0	0	0	0	0	0	0	\$ -
Sum Total		22	66	0	0	240	164	8	500	\$ 80,100.50
TOTAL (January 1, 2028 - December 31, 2028)		0	0	0	0	0	0	0	0	\$ -
		0	0	0	0	0	0	0	0	\$ -
		0	0	0	0	0	0	0	0	\$ -
Sum Total		0	0	0	0	0	0	0	0	\$ -
ODC										\$ 18,800.00
Project Total		22	66	0	0	240	164	8	500.00	\$ 98,900.50

GDC

PRICE SUMMARY SHEET  
SCHEDULE OF FEES (PA&ED)

SCHEDULE II - OTHER DIRECT COSTS SCHEDULE

Vendor Code	Type of ODC	Quantity	Unit Rate	Budget Amount
	Mileage	1,000	\$0.700	\$700.00
	Sampling Supplies	7	\$50.000	\$350.00
	ADL Lab	1	\$10,750.000	\$8,750.00
	Asbestos/Lead Lab	1	\$1,500.000	\$1,500.00
	Traffic Control	3	\$2,500.000	\$7,500.00
		0	\$0.91	\$0.00
		0	\$29.00	\$0.00
		0	\$14.88	\$0.00
		0	\$0.00	\$0.00
		0	\$0.00	\$0.00
		0	\$0.00	\$0.00
			Total	\$18,800.00

TASK	DESCRIPTION	Lisa Spivak, PLS	Tim Fettig, PLS	Project Coordinator	Justin Height, PLS	Project Surveyor	Sr. Survey Analyst	Survey Analyst	Survey Technician	Survey Intern	Josh Groen, PLS**	Zach Buren, LSIT**	Party Chief**	Instrumentman**	Chainman**	Apprentice G**	TOTAL HOURS	Cost
Task 100 - Project Management																		
SUBTOTAL Task 100 - Project Management		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
Task 160: Perform Preliminary Engineering Studies and Draft Project Report																		
160.05	Data Collection																0	\$ -
160.05	Encroachment Permit Application																0	\$ -
160.20	Design Surveys & Mapping	18	12	6	44	10	72	40	0	0	32	40			56	16	346	\$ 82,586.48
160.10	Traffic Methodology Memo, Volumes Report, & TOAR																0	\$ -
160.10	VMT Memo, Study, Assesment & Mitigation																0	\$ -
160.20	Land Net Mapping	4	8	2	18		48	8	8	0		24			24		144	\$ 33,629.40
	MAR Memo & FHWA Oversight (if needed)																0	\$ -
SUBTOTAL - Task 160		22	20	8	62	10	120	48	8	0	32	64	0	0	80	16	490	\$ 116,215.88
Task 165- Prepare Environmental Studies and Prepare Draft Environmental Document																		
SUBTOTAL - Task 165		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
Task 175: Circulate Draft Environmental Document and Select Preferred Project Alternative																		
SUBTOTAL - Task 175		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
Task 180: Prepare and Approve Project Report and Final Environmental Document																		
SUBTOTAL - Task 180		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
TASK A - Funding (Optional)																		
SUBTOTAL - Task A		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
TOTAL (NTP 2025 - December 31, 2025)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
TOTAL (January 1, 2026 - December 31, 2026)		22	20	8	62	10	120	48	8	0	32	64	0	0	80	16	490	\$ 116,215.88
TOTAL (January 1, 2027 - December 31, 2027)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
Sum Total		22	20	8	62	10	120	48	8	0	32	64	0	0	80	16	490	\$ 116,215.88
TOTAL (January 1, 2028 - December 31, 2028)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
Sum Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
ODC																		\$ 55,250.00
Project Total		22	20	8	62	10	120	48	8	0	32	64	0	0	80	16	490.00	\$ 171,465.88

GUI

PRICE SUMMARY SHEET SCHEDULE OF FEES (PA&ED)  <u>SCHEDULE II - OTHER DIRECT COSTS SCHEDULE</u>				
Vendor Code	Type of ODC	Quantity	Unit Rate	Budget Amount
	Mileage	2,500	\$0.700	\$1,750.00
	Printing (8.5"x11" Black & White)	0	\$0.041	\$0.00
	Printing (11"x17" Black & White)	0	\$0.063	\$0.00
	Printing (8.5"x11" Color)	0	\$0.000	\$0.00
	Printing (11"x17" Color)	0	\$0.000	\$0.00
	Full Color Presentation Exhibits - SF	0	\$0.91	\$0.00
	Postage - Overnight Mail	0	\$29.00	\$0.00
	Courier Mail	0	\$14.88	\$0.00
	Aerial Photogrammetric Mapping Vendor	1	\$53,500.00	\$53,500.00
	X	0	\$0.00	\$0.00
	X	0	\$0.00	\$0.00
			Total	\$55,250.00



ICF

TASK	DESCRIPTION	Calvert, Brian	Garcia, Monica	Franklin, Nina	Shook, Jill	Garcia, Johnnie	Irvine, Elizabeth	Stock, Jennifer	Higginson, Jonathan	Hardie, Jon	Rzeszutko, Jakob	Barrera, Mario	Holsington, Gregory	Hickman, James	Martin, Colleen	Cox, Nara	Vargas, Benjamin	Crawford, Karen	Schwartz, Paul	Abeywickrema, Dinu	Yates, Timothy	Mujica, Milagros	Downs, Lauren	Sukola, Katrina	Mountain-Castro, Jenell	Richards, Phillip	Baker, Vincent	Klinefelter, Kristen	Sutter, Nicholas	Jameson, Megan	Smith-Escalera, Shannn	Roderick, Margaret	Iker-Johnson, Molly	Gliffen, Teresa	Corlett, Cathleen	TOTAL HOURS	Cost				
Task 100 - Project Management																																									
100.10	Coordination/Administration	286	416	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	720	\$ 178,415.89			
100.10	Meetings	286	416		18																																720	\$ 178,415.89			
100.10	Project Management Plan																																				0	\$ -			
100.10	Public Outreach																																				0	\$ -			
SUBTOTAL Task 100 - Project Management		286	416	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	720	\$ 178,415.89		
Task 165- Prepare Environmental Studies and Prepare Draft Environmental Document																																									
160.05	Environmental Scoping of Alternatives Identified for Study in PID	44	100	70		30	16	2		2	2	2	4		2		2	1		2	2	2			10												293	\$ 57,601.98			
160.05	2.2.5 Energy Study	4	12	4		2	12			28							64								2													128	\$ 22,234.47		
165.10	2.2.7 Jurisdictional Delineation Report	5	14	4		24	16						4												2		40	78		16								203	\$ 29,609.86		
165.10	Community Impact Analysis, Land Use, and Growth Studies																																				0	\$ -			
165.10	Visual Impact Assessment and Scenic Resource Evaluation	2	12	4			8	88																	2											8	124	\$ 23,013.26			
165.10	Noise Study	32	44	28		72	24		164	36	636	20													4													1060	\$ 179,064.88		
165.10	Noise Abatement Decision Report	16	36	24		46	12		58	10	168														8													378	\$ 67,147.24		
165.10	Air Quality Study	16	24	20		4	24			64							156								2													310	\$ 53,053.86		
165.15	Biological Studies	36	60	44		80	32					56		252											2	296	114	60	40									1072	\$ 166,102.38		
165.15	Resource Agency Permit Related Coordination																																					0	\$ -		
165.20	Cultural Resource Studies	16	32	20		42	26								40	104	14			76		76		4								18	54	84			606	\$ 106,160.53			
165.25	Draft Environmental Document	36	188	148		12	36	16	16	10	30		4		28	24	2		18	4			12	2	4					4		8					602	\$ 110,288.85			
165.25	Section 4(f) Evaluation																																				0	\$ -			
165.25	Prepare Second and Third Administrative Drafts of EIR/EIS	32	216	218		7	54	9	18	11	28		7		18		16	3		11	5			8	8	7				4		7					687	\$ 123,609.23			
SUBTOTAL - Task 165		239	738	584	0	319	260	115	256	161	864	22	75	0	300	40	146	20	0	251	87	2	76	20	46	307	154	138	40	24	18	69	84	8	0	5,463	\$ 937,886.54				
Task 175: Circulate Draft Environmental Document and Select Preferred Project Alternative																																									
175.05	DED Circulation	1	18	16			8																		12													55	\$ 9,962.66		
175.05	Master Distribution And Invitation Lists																																				0	\$ -			
175.05	Notices Regarding Public Hearing And Availability Of Draft Environmental Document	8	32	18		4			8				4												8													82	\$ 17,516.17		
175.15	Public Comment Responses And Correspondence	28	84	70			24	2	12	4	8		4		8		4	2		6	1			2	2					2		4						267	\$ 54,840.27		
175.20	Project Preferred Alternative	2	16	8																																		26	\$ 5,396.94		
SUBTOTAL - Task 175		39	150	112	0	4	32	2	20	4	8	0	8	0	8	0	4	2	0	6	1	0	0	2	22	0	0	0	0	0	2	0	4	0	0	0	0	430	\$ 87,716.04		
Task 180: Prepare and Approve Project Report and Final Environmental Document																																									
180.05	Final Environmental Document	44	228	182		7	56	3	8	4	18		7		17		11	3		13	4					6					7		7					625	\$ 128,790.51		
180.10	Public Distribution of FED and Respond to Comments	2	16	14		1	12																		6													51	\$ 10,290.63		
180.15	Notice of Determination (CEQA)	2	8	4																																		14	\$ 3,172.80		
SUBTOTAL - Task 180		48	252	200	0	8	68	3	8	4	18	0	7	0	17	0	11	3	0	13	4	0	0	0	12	0	0	0	0	0	7	0	7	0	0	0	0	690	\$ 142,253.94		
TOTAL (NTP 2025 - December 31, 2025)		286	416	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	720	\$ 178,415.89		
TOTAL (January 1, 2026 - December 31, 2026)		239	738	584	0	319	260	115	256	161	864	22	75	0	300	40	146	20	0	251	87	2	76	20	46	307	154	138	40	24	18	69	84	8	0	5,463	\$ 937,886.54				
TOTAL (January 1, 2027 - December 31, 2027)		39	150	112	0	4	32	2	20	4	8	0	8	0	8	0	4	2	0	6	1	0	0	2	22	0	0	0	0	2	0	4	0	0	0	0	430	\$ 87,716.04			
Sum Total		564	1,304	696	18	323	292	117	276	165	872	22	83	0	308	40	150	22	0	257	88	2	76	22	68	307	154	138	40	26	18	73	84	8	0	6,613	\$ 1,204,018.47				
TOTAL (January 1, 2028 - December 31, 2028)		48	252	200	0	8	68	3	8	4	18	0	7	0	17	0	11	3	0	13	4	0	0	0	12	0	0	0	0	7	0	7	0	0	0	0	690	\$ 142,253.94			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -			
Sum Total		48	252	200	0	8	68	3	8	4	18	0	7	0	17	0	11	3	0	13	4	0	0	0	12	0	0	0	0	7	0	7	0	0	0	690	\$ 142,253.94				
ODC																																						\$ 20,835.00			
Project Total		612	1,556	896	18	331	360	120	284	169	890	22	90	0	325	40	161	25	0	270	92	2	76	22	80	307	154	138	40	33	18	80	84	8	0	7,303.00	\$ 1,367,107.41				

**PRICE SUMMARY SHEET  
SCHEDULE OF FEES (PA&ED)**

**SCHEDULE II - OTHER DIRECT COSTS SCHEDULE**

Vendor Code	Type of ODC	Quantity	Unit Rate	Budget Amount
	Mileage	5,800	\$0.700	\$4,060.00
	Printing (8.5"x11" Black & White)	0	\$0.041	\$0.00
	Printing (11"x17" Black & White)	0	\$0.063	\$0.00
	Printing (8.5"x11" Color)	0	\$0.000	\$0.00
	Printing (11"x17" Color)	0	\$0.000	\$0.00
	Full Color Presentation Exhibits - SF	0	\$0.91	\$0.00
	Postage and Delivery	1	\$1,800.00	\$1,800.00
	Courier Mail	0	\$14.88	\$0.00
	County Filing Fee	1	\$100.00	\$100.00
	Reproductions	1	\$2,400.00	\$2,400.00
	Project Supplies	1	\$475.00	\$475.00
			<b>Total</b>	<b>\$8,835.00</b>

Vendor Code	Type of ODC	Quantity	Unit Rate	Budget Amount
	Subcontractor- Mesa Biological	0	\$0.000	\$12,000.00
		0	\$0.000	\$0.00
		0	\$0.000	\$0.00
		0	\$0.000	\$0.00
		0	\$0.000	\$0.00
		0	\$0.00	\$0.00
		0	\$0.00	\$0.00
		0	\$0.00	\$0.00
			<b>Total</b>	<b>\$12,000.00</b>

MBI

TASK	DESCRIPTION	Brad Losey	Perla Abarca	Jeremy Franzini	Nora Jans	Andrew Bjork	George Li	Asumi Tsai	Oscar Gomez	Sergio Barrios	TOTAL HOURS	Cost
Task 100 - Project Management												
SUBTOTAL Task 100 - Project Management		0	0	0	0	0	0	0	0	0	0	\$ -
Task 160: Perform Preliminary Engineering Studies and Draft Project Report												
160.10	Value Engineering	40									40	\$ 13,142.96
160.10	Hydraulics/Hydrology Studies	14	60				370	180			624	\$ 90,775.14
160.10	Drainage Concept Plans	12	44				150	300			506	\$ 70,400.43
160.10	Storm Water Data Report	4	14			360					378	\$ 59,874.21
160.10	Updated Right-Of-Way Data Sheets										0	\$ -
SUBTOTAL - Task 160		70	118	0	0	360	520	480	0	0	1,548	\$ 234,192.75
Task 165- Prepare Environmental Studies and Prepare Draft Environmental Document												
165.10	Water Quality Studies	4	16		300						320	\$ 57,856.31
165.10	Summary Of Geotechnical Report										0	\$ -
165.10	Hazardous Waste Initial Site Assessment										0	\$ -
165.10	Update Aerially Deposited Lead Survey (ADL)										0	\$ -
165.10	Location Hydraulic, Floodplain Study Reports, Rapid Assessment of Stream Crossings Report (RAS), Floodplain	8	50				260	150			468	\$ 67,964.24
165.10	Paleontology Study										0	\$ -
165.25	Aesthetics & Landscaping Concept			40					100	230	370	\$ 51,320.54
165.25	Environmental Coordination										0	\$ -
SUBTOTAL - Task 165		12	66	40	300	0	260	150	100	230	1,158	\$ 177,141.09
Task 175: Circulate Draft Environmental Document and Select Preferred Project Alternative												
SUBTOTAL - Task 175		0	0	0	0	0	0	0	0	0	0	\$ -
Task 180: Prepare and Approve Project Report and Final Environmental Document												
180.05	Final Project Report & Enviromental Document										0	\$ -
180.05	Updated Draft Project Report										0	\$ -
180.05	Approved Project Report										0	\$ -
180.05	Updated Storm Water Data Report	2	8			120					130	\$ 23,205.47
SUBTOTAL - Task 180		2	8	0	0	120	0	0	0	0	130	\$ 23,205.47
TASK A - Funding (Optional)												
SUBTOTAL - Task A		0	0	0	0	0	0	0	0	0	0	\$ -
TOTAL (NTP 2025 - December 31, 2025)		0	0	0	0	0	0	0	0	0	0	\$ -
TOTAL (January 1, 2026 - December 31, 2026)		82	184	40	300	360	780	630	100	230	2,706	\$ 411,333.83
TOTAL (January 1, 2027 - December 31, 2027)		0	0	0	0	0	0	0	0	0	0	\$ -
Sum Total		82	184	40	300	360	780	630	100	230	2,706	\$ 411,333.83
TOTAL (January 1, 2028 - December 31, 2028)		2	8	0	0	120	0	0	0	0	130	\$ 23,205.47
		0	0	0	0	0	0	0	0	0	0	\$ -
		0	0	0	0	0	0	0	0	0	0	\$ -
Sum Total		2	8	0	0	120	0	0	0	0	130	\$ 23,205.47
ODC												\$ 664.00
Project Total		84	192	40	300	480	780	630	100	230	2,836	\$ 435,203.31

MBI

**PRICE SUMMARY SHEET  
SCHEDULE OF FEES (PA&ED)**

**SCHEDULE II - OTHER DIRECT COSTS SCHEDULE**

Vendor Code	Type of ODC	Quantity	Unit Rate	Budget Amount
	Mileage	800	\$0.700	\$560.00
	Printing (8.5"x11" Black & White)	1,000	\$0.041	\$41.00
	Printing (11"x17" Black & White)	1,000	\$0.063	\$63.00
	Printing (8.5"x11" Color)	0	\$0.000	\$0.00
	Printing (11"x17" Color)	0	\$0.000	\$0.00
	Full Color Presentation Exhibits - SF	0	\$0.91	\$0.00
	Postage - Overnight Mail	0	\$29.00	\$0.00
	Courier Mail	0	\$14.88	\$0.00
	X	0	\$0.00	\$0.00
	X	0	\$0.00	\$0.00
	X	0	\$0.00	\$0.00
			Total	\$664.00

TASK	DESCRIPTION	George Hunter	name	name	name	TOTAL HOURS	Cost
Task 100 - Project Management							
SUBTOTAL Task 100 - Project Management		0	0	0	0		\$0
Task 160: Perform Preliminary Engineering Studies and Draft Project Report							
160.10	Value Engineering	142			142		\$36,874.98
SUBTOTAL - Task 160		142	0	0	142		\$36,875
Task 165- Prepare Environmental Studies and Prepare Draft Environmental Document							
SUBTOTAL - Task 165		0	0	0	0		\$0
Task 175: Circulate Draft Environmental Document and Select Preferred Project Alternative							
SUBTOTAL - Task 175		0	0	0	0		\$0
Task 180: Prepare and Approve Project Report and Final Environmental Document							
SUBTOTAL - Task 180		0	0	0	0		\$0
TASK A - Funding (Optional)							
SUBTOTAL - Task A		0	0	0	0		\$0
TOTAL (NTP 2025 - December 31, 2025)		0	0	0	0		\$0
TOTAL (January 1, 2026 - December 31, 2026)		142	0	0	142		\$36,875
TOTAL (January 1, 2027 - December 31, 2027)		0	0	0	0		\$0
Sum Total		142	0	0	142		\$36,875
TOTAL (January 1, 2028 - December 31, 2028)		0	0	0	0		\$0
		0	0	0	0		\$0
		0	0	0	0		\$0
Sum Total		142	0	0	142		\$36,875
ODC		0	0	0	0		\$2,145
Project Total		142	0	0	142.00		\$39,019.98

P360

**PRICE SUMMARY SHEET  
SCHEDULE OF FEES (PA&ED)**

**SCHEDULE II - OTHER DIRECT COSTS SCHEDULE**

Vendor Code	Type of ODC	Quantity	Unit Rate	Budget Amount
	Mileage	0	\$0.700	\$0.00
	Printing (8.5"x11" Black & White)	0	\$0.041	\$0.00
	Printing (11"x17" Black & White)	0	\$0.063	\$0.00
	Printing (8.5"x11" Color)	0	\$0.000	\$0.00
	Printing (11"x17" Color)	0	\$0.000	\$0.00
	Full Color Presentation Exhibits - SF	0	\$0.91	\$0.00
	Postage - Overnight Mail	0	\$29.00	\$0.00
	Courier Mail	0	\$14.88	\$0.00
	x	0	\$0.00	\$0.00
	x	0	\$0.00	\$0.00
	X	0	\$0.00	\$0.00
			Total	\$0.00

**PRICE SUMMARY SHEET  
SCHEDULE OF FEES (PA&ED)**

**SCHEDULE II - OTHER DIRECT COSTS SCHEDULE**

Vendor Code	Type of ODC	Quantity	Unit Rate	Budget Amount
	Airfare	1	\$500.000	\$500.00
	round trip	1	\$100.000	\$100.00
	rental car	5	\$75.000	\$375.00
	meals and incidentals	5	\$46.000	\$230.00
	lodging/Hotels	5	\$168.000	\$840.00
	parking	5	\$20.00	\$100.00
		0	\$0.00	\$0.00
		0	\$0.00	\$0.00
			Total	\$2,145.00



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