Existing condition.

City of Capitola

Proposal to Provide Professional Services for:

Stockton Avenue Bridge Replacement

JANUARY 15, 2025

CSW ST2

Rendered bridge.

CSWST2.com

February 15, 2023
Project Number: 2300338.10

Jessica Kahn
Public Works Director
City of Capitola
420 Capitola Avenue
Capitola, CA 95010

SUBJECT: STOCKTON AVENUE BRIDGE REPLACEMENT PROJECT

Dear Jessica:

The low-lying Capitola Village is a cultural and business center for Capitola. The flood risk debris build up at the Stockton Creek Bridge could be catastrophic to the area. The CSWST2 team presents our proposal to assist the City and community in replacing the historic bridge as a countermeasures and safeguarded this vital transportation asset.

Stockton Avenue Bridge is located in the lower reaches of the Soquel Creek Watershed, which is situated between the cities of Santa Cruz and Watsonville. The Soquel Creek watershed drains an area of approximately 42 square miles. The watershed is comprised of urban development, rural residential development, agriculture, parks and recreation, and mining and timber harvesting. The Village, a cultural and business center in Capitola, is located at the terminus of Soquel Creek, where it enters the Pacific Ocean.

Aerial photograph of Soquel Creek and Stockton Avenue Bridge

Besides State Route 1 Bridge, Stockton Avenue Bridge is the only connection linking east and west Capitola and serves as the primary evacuation route for the low-lying Capitola Village. In addition, the finish line of the popular Wharf to Wharf race is located across the bridge at the Capitola in the Village. Heavy storms that occurred in January 2023 illustrated the increased intensity or rain events occurring as a result of climate change.

In June of 2024 CSWST2 issued the Stockton Avenue Bridge – Bridge Pier Debris Mitigation Feasibility Report that assessed the following counter measures to mitigate the debris risk: debris fins, debris deflectors, debris sweepers and bridge replacement. During the November 14, 2024 City Council Meeting, City staff was directed to utilize the available funds to advance design of the bridge replacement countermeasure. We have assembled the following team to support the City in this goal:

- Robert Stevens of CSWST2 will be the principal for the project. Robert led our San Mateo County bluff stabilization and bridge project and has secured CDPs up and down the coastline.
- Julia Harberson of CSWST2 will be the project manager responsible for implementing the work plan and managing the team to seek consensus on design. She is an experienced hydraulics engineer that has worked with FEMA to develop flood control projects throughout the Bay Area.
- Tom Swayze of Biggs Cardosa will be our structural engineer leading our bridge design. Tom was the original engineer for the wall along Cliff Drive and has collaborated with Robert and Julia on our projects in San Mateo County.
- Kristine Pillsbury of CSWST2, will be our Hydraulics Engineer responsible for evaluating creek capacity. She is experienced at modelling open channel flow using HEC RAS and evaluation hydrologic with HEC-HMS.
- Jeanine Ruffoni, PE, GE, of Engeo will be leading our geotechnical evaluation for this project. She has worked on hundreds of relevant projects including investigations of bay and ocean sites, wetlands, and creek and bay channels.
- Matt Johnson and his team from DD&A Planning will lead our environmental permitting process.

We are prepared to support the Capitola community in designing, preparing construction documents and permitting required to replace the historic Stockton Avenue Bridge over Soquel Creek. In our experience we have developed the following Work Plan, Fee and Schedule. Note, we have developed the Work Plan to be consistent with Caltrans standards to aid in the City's efforts to seek funding opportunities.

Thank you for the opportunity to support the development of the project. We look forward to working with you and your team. If I can provide any additional information, please contact me at (415) 884-6443 or by email at juliah@cswst2.com.

Sincerely,
CSWST2

Julia Harberson, R.C.E. #76626
Senior Project Manger

WORK PLAN

Task 1: Opportunities and Constraints

Objective: In this initial phase, our team will prepare the outreach strategies and gather existing information for the Stockton Avenue Bridge. Our team will continue to validate the design to ensure it is consistent with the budget and the community's expectations and in accordance with Caltrans Standards.

1.1 Project Kickoff. Key members of our team will host a meeting with City staff and stakeholders to review project goals, past work completed, and development schedule.

1.2 Outreach Strategy. Our team will develop a brief outreach strategy that establishes the project's messaging, stakeholders, and engagement methods and tools. The strategy may include establishing and updating a project website, small-group stakeholder meetings with adjacent property owners and any other groups identified with City staff, and two on-site pop-up engagement events at the project site.

1.3 Data Collection and Field Review. To support the design effort and refine the extent of technical studies required, our team will complete the following:

- **A. Data Collection.** The team will collect and review the following documents:
  - i. As-Built Records
  - ii. Previous Environmental Technical Analysis and Documents
  - iii. Relevant Information from Online Databases
  - iv. Records from Information Centers

1.4 Bridge Conditions Assessment. Our team will perform a conditions assessment of the existing bridge. The assessment will consist of the following services:

- **A. Bridge Inspection Access Plan**. Our team will work with the City Staff to develop a plan to accommodate access to manholes, and traffic handling and safety during the exterior and interior inspection of the Stockton Avenue Bridge.
  - i. **Draft Bridge Access, Safety & Traffic Control Plan.** We will prepare a draft plan of access and safety and traffic control for measures and steps to be taken prior to, during mobilization, during inspection and for demobilization. We assume traffic control will be provided by the City.
  - ii. **Final Bridge Access, Safety & Traffic Control Plan.** We will address comments by the City and provide a final Bridge Access, Safety and Traffic Control Plan.
- **B. Bridge Observations.** Our team will make observations regarding the condition of the existing bridge.
- **C. Utility Observation.** Our team will make observations regarding the condition of utilities attached to the side of the bridge by visual observation while standing on the bridge deck. We will make observations regarding the conditions of utilities routed through the bridge. We will enter the cells of the bridge if physically possible. CCTV of utilities routed through the bridge, if necessary, will be provided by the City. We assume City Maintenance Staff will be on site to pull manhole lids and oversee traffic control.
- **D. Condition Report & Basis of Design Memorandum**
  - i. **Draft.** CSWST2 will assist with the preparation of a draft Condition Report and Preliminary Basis of Design Memorandum. Field Assessment observation results from

the interior of the bridge superstructure will be incorporated along with the deck repair recommendations in the Caltrans Bridge Inspection Reports. Report to include Site Photos, relevant Bridge Inspection Reports, and Key Plan of damage locations.

ii. **Final.** We will address comments and questions by the City and provide a final Condition Report and Basis of Design Memorandum.

1.5 Existing Conditions Mapping. Our team will complete a survey of the Stockton Avenue Bridge to support the final design process. This will include the following tasks.

A. **Survey:** Our team will perform a topographic survey, which generally will include back of curb, face of curb, street centerline, top of bank, abutments, edge of pavement, and surface utilities. We will depict drainage patterns with spot elevations and contour data at 1-foot intervals.

B. **Prepare Base Map:** CSWST2 will develop a detailed base map integrating topography, boundary, and utility information.

1.6 Outreach. Our team will support the outreach effort to property owners and community members within the project area. This could include the following:

A. **Project Website.** Our team will establish a project website providing information related to the project, including the project purpose, opportunities for engagement, and development schedule. This site would serve as a tool to share design information and provide responses to community questions.

B. **Stakeholder Meeting.** Our team will conduct one small-group meeting to introduce the project and receive community feedback on the needs and challenges for users of the Stockton Avenue Bridge and adjacent property owners.

1.7 Contract Management. CSWST2 will be responsible for the overall management of our design team, including the following:

A. **Project Management:** CSWST2 will manage the design team as well as track progress, schedule, and budget. We will be responsible for documenting all design decisions and keeping an official record of the project. Furthermore, we will submit monthly progress reports identifying tasks completed, budget status, and issues status.

B. **Quality Control/ Assurance:** As part of the QA/QC process, an independent member of the design team will complete an internal review of our documents checking for errors, perform a constructability review. Our independent QA/QC reviews will occur at the 35%, 65% and 95% PS&E submittals in parallel with the City review process.

C. **Meetings:** The team will attend up to three (3) meetings during this phase of work.

Key Deliverables We will provide electronic (PDF and native format) of the following documents:

a. Updates to project schedule
b. Conditions Report & Preliminary Basis of Design Memorandum
c. Outreach strategy, project website, stakeholder meeting presentation materials and summary of feedback
d. Field Assessment Report and Existing Conditions mapping
e. Meeting agendas, presentation, and minutes.
f. Topographic Survey
g. Utilities Base Map

Task 2: Bridge Advance Planning Study

Objective: In this phase, our team will prepare a Bridge Advanced Planning Study Report.

2.1 **Preliminary Foundation Report.** ENGEO will perform a preliminary geotechnical assessment on the existing bridge and assess the necessary design criteria for a new foundation to support the bridge. ENGEO will retain the services of a subcontractor to push two cone penetration tests (CPTs) to depths up to 100 feet below the ground surface, or refusal, whichever occurs first. ENGEO will collect shear wave velocity measurements at intervals of every 5 vertical feet. ENGEO will retain traffic control services to guide traffic during CPT operations. ENGEO will perform preliminary analyses and prepare a Preliminary Foundation Report that conforms to Caltrans requirements. ENGEO will prepare a single version of the report. The report will be signed by a licensed California Geotechnical Engineer and California Certified Engineering Geologist.

2.2 **Preliminary Bridge Hydrology and Hydraulics Report.** CSWST2 will prepare a draft hydrology and hydraulics report assessing bridge replacement on Soquel Creek. The report will include the following:

A. Hydraulic capacity
B. Analysis methodology
C. Debris mitigation
D. Storm selection.
E. Freeboard
F. Scour

2.3 **Bridge Advance Planning Study (APS).** BCA will develop an Advance Planning Study for bridge selection report in accordance with California Department of Transportation (Caltrans) Local Assistance Procedures Manual (LAPM). The report will include the following:

A. Project Overview
B. Design Criteria
C. Provides structure depth setting profile
D. Alternatives Analysis for and recommendations
  i. Spans, width, depth, and type
  ii. Bridge rail type
  iii. Foundation types

iv. Vertical clearance
v. Aesthetics and Historic Status
vi. Bridge removal, stage Construction
vii. Location of cut and fill slopes
viii. Stationing for roadway
ix. Corrosion control measures

E. Establish the best cost estimate available at that time
F. Describes and documents project risks and assumptions used in concept design Recommendations

2.4 **Contract Management.** CSWST2 will be responsible for the overall management of our design team, including the following:

A. **Project Management.** CSWST2 will manage the design team as well as track progress, schedule, and budget. We will be responsible for documenting all design decisions and keeping an official record of the project. Furthermore, we will submit monthly progress reports identifying tasks completed, budget status, and issues status.
B. **Quality Control/ Assurance.** We will implement the QA/QC process established in task 1.2.
C. **Meetings.** The team will attend up to three (3) meetings during this phase of work.

Key Deliverables We will provide electronic (PDF and native format) of the following documents:

a. Preliminary Foundation Report (one draft copy and one final copy with Construction Documents)
b. Preliminary Bridge Hydrology and Hydraulics Report
c. Bridge Advance Planning Study Report
d. Meeting agendas, presentation, and minutes.

Task 3: Preliminary Engineering

Objective: What is the key service being provided and key item to be delivered. In this phase, our team will refine the Stockton Avenue bridge replacement concept identified in the Debris Mitigation Feasibility Study and Bridge Advance Planning Study Report from, identified in Task 2, specifically related to the approach to replace the existing bridge, conformance to existing infrastructure, architectural styling, traffic and pedestrian circulation, and stormwater quality, to develop a 35% design that can be used for environmental clearances. Our team will continue to validate the design to ensure it is consistent with the budget and the community's expectations.

3.1 **Preliminary Engineering (35%).** Using the existing conditions and community feedback, our team will refine the design that includes the following elements:

A. **Photometric Analysis.** Our team will complete a photometric analysis to determine how lighting at the bridge is achievable. We will ensure the proposed pedestrian scale lighting

is consistent with City and State standards. This will include ensuring lighting levels are both dark sky and temperature friendly.

B. **Stormwater Control Plan.** We will evaluate options to integrate stormwater green infrastructure. Our team will develop these features consistent with Santa Cruz County's C.3 standards.

C. **Bridge Hydrology and Hydraulics Report.** We will update the preliminary study outlined in Task 2.2.

D. **Water Quality Study.** We will provide a draft Water Quality Study indicating no adverse impacts to water quality.

E. **Bridge Site Data Submittal Package.** Our team will prepare a Bridge Site Data Submittal package (BSDS) consistence with the Caltrans Office of Special Funded Projects (OSFP).

F. **Preliminary Foundation Report.** From Section 2 included and boring location plans.

G. Project Risk Matrix. We will prepare a Caltrans Project Risk Matrix form.

H. **Plans.** To document the design, we will prepare the following plans:

i. Title, Vicinity/Site, Key Map, and General Sheets (CSWST2)
ii. Demolition Plans (CSWST2)
iii. Existing Utility Plans (CSWST2)
iv. Preliminary Grading and Drainage Plans and Details (CSWST2)
v. Preliminary Utility Plans and Details (CSWST2)
vi. Horizontal and Vertical Alignment Plans (CSWST2)
vii. Bridge General Plan (BCA)
viii. DRAFT Bridge Foundation Plan (BCA)
ix. Preliminary Electrical Plans and Details
x. Preliminary Stormwater Management Plan (CSWST2)
xi. Traffic Management Plan (CSWST2)
xii. Specifications Outline

I. **Right of way.** We will research the existing right of way and will provide a verification memorandum illustrating that no right of way acquisition is required for the project's construction.

J. **Cost Estimate.** We will refine the cost model developed in Task 1.2 consistent with the 35% documents and aligned with the budgets from the various funding sources.

K. Bridge Type Selection Report. Our team will consolidate the collected data and develop a Bridge Type Selection Report in accordance with Caltrans standards. The report will include the following:

i. BSDS Forms
ii. As-built drawings
iii. Bridge plans
iv. Project Risk Matrix
v. Cost Estimate

3.2 **Outreach.** Our team will support the outreach effort to property owners and community members within the project area. This effort will include the following activities.

A. **Project Website.** Our team would maintain the project website with updated information related to the project design and schedule, along with responses to community concerns and questions.

B. **Stakeholder Meeting.** Our team would conduct one small-group meeting to receive community feedback on the Stockton Avenue Bridge conceptual plans.

C. **Pop-up Engagement.** Our team would conduct one on-site pop-up event to share conceptual plans and gather feedback.

D. **City Council.** With consensus on the preferred concept plan, we will support staff in presenting the project to Council allowing the project to move into final design. Note, this task is included as a part of the project scope and not an optional service.

3.3 **Contract Management. CSWST2** will be responsible for the overall management of our design team, including the following:

3.4 **Project Management.** CSWST2 will manage the design team as well as track progress, schedule, and budget. We will be responsible for documenting all design decisions and keeping an official record of the project. Furthermore, we will submit monthly progress reports identifying tasks completed, budget status, and issues status.

3.5 **Quality Control/ Assurance**. We will implement the QA/QC process established in task 1.2.

3.6 **Meetings.** The team will attend up to three (3) meetings during this phase of work.

Key Deliverables. We will provide electronic (PDF and native format) of the following documents:

a. Preliminary Hydrology and Hydraulic Report
b. Preliminary Water Quality Study
c. Preliminary Construction Cost Estimate
d. BSDS Package
e. Project Risk Matrix
f. 35% Design Plan Set
g. Bridge Type Selection Report
h. Specifications Outline
i. Updates to project schedule
j. Project website updates, stakeholder meeting materials and summary, on-site pop-up engagement materials and summary of feedback
k. Renderings (2)
l. Meeting agendas, presentation, and minutes.

Task 4. Environmental Clearance

Objective: Denise Duffy & Associates (DD&A) will prepare environmental documentation pursuant to the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA), with the City of Capitola (City) as the lead CEQA agency and Caltrans as the lead NEPA agency (under NEPA Assignment Program Caltrans assumes role for the Federal Highway Administration). DD&A assumes that an Initial Study/Environmental Assessment (IS/EA) with a corresponding Mitigated Negative Declaration/Finding of No Significant Impact (MND/FONSI) is the appropriate level of environmental documentation. DD&A will also assist the City with procurement of appropriate regulatory permits. Note that if the IS/EA analysis determines that the Project could result in potentially significant impacts that cannot be mitigated to a less than

significant level, an Environmental Impact Report and/ or Environmental Impact Statement would be required, and this scope would require amendment. DD&A will reference previous environmental studies and use the information as a baseline to streamline the current environmental process as appropriate. It is estimated that the environmental clearance process will take approximately eighteen to thirty-six months to complete.

4.1 Phase 1 Site Assessment. Sub task 4.1 description DD&A's subconsultant will assess the site for potential presence of recognized environmental conditions (RECs) (i.e., levels of hazardous substances and/or petroleum products warranting regulatory cleanup action) and the uses and conditions at properties and facilities in the site vicinities with the potential to cause (or have caused) an REC at the site. The "vicinity" of the site would include properties/facilities within 1/8 mile of the Project area. The Phase I ESA will be performed in general accordance with the ASTM International (ASTM) Designation E 1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Preparation of the Phase I ESA will include a site reconnaissance, visual survey of adjacent properties, review of standard environmental records sources, review geological and other conditions in the Project area, review historical photographs and topographic maps, and review any additional information provided by the client including information obtained during the environmental process for removal of the bridge structure.

4.2 Project Description. Upon completion of the 30% design for the Proposed Project, DD&A will initiate the environmental review for the Project. DD&A will discuss the proposed improvements included for the Project with City staff and CSWST2, confirm expectations regarding the tasks to be completed, and gather information and data specific to the Project site. DD&A will work closely with the Project team to develop the appropriate level of detail for the Project description. The Project description will describe the components of the Project as well as the environmental setting for the Project area. DD&A will provide a draft description to the City and other members of the Project team, as appropriate, for review and comment. DD&A will revise the Project description based on comments received by the Project team and use it as the basis for the Administrative Draft Initial Study/Environmental Assessment.

4.3 Technical Documentation

1. **Biological Resources Report.** DD&A will conduct background research in relevant databases to identify the potential for federally and state-listed species or other special-status species to be within the Project area. DD&A will develop a Biological Study Area (BSA) that covers direct and indirect impact areas for the Project. DD&A will survey the BSA for plant and wildlife species, their signs, and/or potential habitat. DD&A will inventory botanical and wildlife resources observed in the BSA and will identify and record existing vegetation communities in this area. DD&A will summarize the results of the research and surveys in a Biological Resources Report (BRR) report. The BRR will include a discussion of the existing biological resources in the BSA, potential impacts on these resources as a result of the Project, and proposed mitigation measures to avoid, minimize, and/or mitigate these impacts to a less than significant level.
2. **Aquatic Resources Delineation.** DD&A will delineate jurisdictional wetlands and waters of the United States (U.S.), as defined by the USACE, State Water Resources Control Board, and California Department of Fish and Wildlife

(CDFW). To identify the boundaries of the waters of the U.S., DD&A will identify the ordinary high-water mark (OHWM) for Soquel Creek within the BSA. The presence or absence of wetlands in the BSA will be verified through an analysis of hydrologic conditions, hydrophytic vegetation, and hydric soils. DD&A will summarize existing site conditions on waters of the U.S. and waters of the state in an Aquatic Resources Delineation (ARD) report. The ARD report will summarize the location of wetlands and other waters under jurisdiction of the USACE, Regional Water Quality Control Board (RWQCB), and CDFW within and immediately adjacent to the Project area.

3. **Noise Study Memorandum.** The Project is not anticipated to be capacity increasing and is not anticipated to be designated as a Type I noise Project per federal or state-recommended guidance. As a result, DD&A's subconsultant, Ambient will develop a noise analysis limited to the assessment of short-term, construction-related impacts. A technical memorandum will be prepared to address short-term construction-related impacts associated with the Project. The memorandum will include a summary description of the existing noise environment, based on existing environmental documentation. Up to five short-term (e.g., 10-minute) noise measurements will be included. Noise measurement surveys will be conducted during the daytime hours at nearby land uses. Relevant background information, including noise fundamentals, descriptors, and applicable federal, state, and local regulatory framework, will be described.

To assess potential construction noise impacts, nearby land uses and their relative exposure to the Project area (considering topographic barriers and distance) will be identified. Predicted construction-generated noise levels will be calculated using the Federal Highway Administration's (FHWA) Roadway Construction Noise Model (version 1.0) based on construction equipment anticipated to be required for the Project. Construction-generated noise levels at the nearest land uses will be identified and summarized in tabular format within the report. The significance of construction-generated noise and vibration impacts will be assessed in comparison to applicable standards and recommended significance thresholds. Mitigation measures will be identified for significant and potentially significant impacts. The effectiveness of proposed mitigation measures will be assessed and presented.

4. **Cultural Resources.** As part of this task, DD&A's subcontractor Albion will identify and map the Area of Potential Effect (APE). The APE Map will depict the area that will be impacted by the Project, including staging and construction access area, utility relocation work, and off-site mitigation.

Albion will prepare a Cultural Resources Assessment Report (CRAR), which will follow the USACE, Section 408 and 404 Cultural Resource Assessment Report Guidelines and Template with a Section 106 technical report appendix. The CRAR will present the results of the cultural resource surveys and analyses and provide recommendations for the City

regarding the effect of the Project. The draft report will be subject to one round of review by the City and USACE.

Albion will also prepare a Section 106 Technical Report as an appendix to the CRAR for the proposed demolition of the bridge and construction of a replacement. As permitting agencies, the USACE and others will be responsible for compliance with Section 106 of the NHPA, which requires federal agencies to assess effects of undertakings on properties on or eligible for the NRHP. The technical report will assess the potential adverse effects on historic properties. It will include a description of the undertaking, the APE, the identification and description of the historic properties within the APE, a description of the results of the CRAR, an assessment of adverse effects based on the Criteria of Adverse Effects (36 CFR Section 800.5), and proposed mitigation measures. In addition, outreach will take place to interested parties.

5. **Air Quality/Greenhouse Gas Emissions.** DD&A will prepare an Air Quality Study and Greenhouse Gas Emission (AQ/GHG) Assessment for the Project. DD&A technical staff will prepare the air quality analysis for the Project using guidance from the Monterey Bay Air Resources District's (MBARD's) adopted CEQA Guidelines and the California Emissions Estimator Model (CalEEMod). The analysis will consider potential air quality related impacts resulting from the Project during construction and operation. The Project site is located in the North-Central Coast Air Basin (NCCAB), which includes all of Monterey, Santa Cruz, and San Benito counties. CalEEMod is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and GHG emissions associated with both construction and operations from a variety of land use projects.

4.4 **Caltrans Technical Documentation.** Pending the results of the Project Study Report (PSR), Preliminary Environmental Analysis Report (PEAR), and/or Preliminary Environmental Study (PES) DD&A will prepare technical documentation to satisfy the environmental process for Caltrans. The list below is based upon DD&A's experience with previous Caltrans projects and review of the resources associated with the Project. The results of the PSR, PEAR, and/or PES may define additional technical reports for Caltrans environmental compliance

1. **Natural Environmental Study (NES).** The NES will include documentation of the biological resources in the Project area and an assessment of the impacts of the Project alternatives on those resources. For projects with the potential to impact biological resources, a Natural Environment Study (NES) describes the existing biological environment and how the project alternatives affect that environment. A NES or NES Minimal Impact (MI) is prepared for all projects and serves as the technical basis for statements made in the environmental document, concerning plants, animals, and natural communities occurring in the biological study area. The NES summarizes technical documents such as focused species studies, wetland assessments, and biological assessments related to effects on biological resources in the Biological Study Area (BSA) for use in the

environmental document. The NES will be developed using the Biological Resources Report and Aquatic Resources Delineation developed in Tasks 4.3.1 and 4.3.2, respectively.

2. **Biological Assessment.** A biological assessment (BA) is required for any project where federally listed species may be adversely affected, resulting in formal consultation, or affected but not adversely affected, resulting in informal consultation. In addition, even if there will be no effect on any federally listed species, the presence of proposed or designated critical habitat may require that a BA be prepared. This will be determined and presented in the BA.

DD&A's subconsultant, Applied Marine Sciences (AMS) will prepare a Biological Assessment (BA) to determine the Project impacts on threatened, endangered, or proposed species and habitats that shall be submitted for review by natural resource agencies (i.e., NMFS, USACE). Avoidance, minimization, and conservation measures will be evaluated as mitigation for the anticipated disturbances during in-water work activities to minimize adverse impacts to any state or federally listed species. This may include best management practices to avoid temporary changes in water quality due to increases in turbidity or potential release of hazardous materials from onsite construction equipment.

4.5 Administrative Draft Initial Study/Environmental Assessment. Following completion of all appropriate technical analysis described above, DD&A will prepare the Administrative Draft IS/EA for the Project in accordance with CEQA and NEPA requirements. The Administrative Draft IS/EA will describe the Project and identify and summarize significant impacts and whether they can or cannot be avoided. The topics expected to be addressed, a description of the analyses to be conducted, and the contents of those sections are discussed below. In addition, the significance of the impacts after implementation of mitigation measures, where necessary, will be included in the analysis. This scope of work includes two (2) rounds of revision on the Administrative Draft IS/EA based on comments received from the City. DD&A anticipates that the Administrative Draft IS/EA will consist of the following components.

Introduction/Need for Proposed Action: This section will indicate that the documentation for the Project has been prepared pursuant to CEQA and NEPA regulations and guidance to evaluate the effects of the Project.

Project Description/Goals and Objectives/Affected Environment: The IS/EA will provide a description of the Project based on the data and mapping identified above, supplemental information provided by the Lead Agency, Project Manager, and DD&A's data collection and review. As required by CEQA, the Project Description will be complete with the precise location and boundaries of the Project, a statement of the objectives of the Project, and a general description of the Project's technical, economic, environmental, engineering, and/or construction aspects. This section will be illustrated with plans, photographs, and other graphics as needed.

Environmental Setting/Impacts and Mitigation Measures/Consultation Summary: DD&A will clearly define the environmental setting for the Project based on applicable

environmental and regulatory documents and technical studies. This task includes establishing the baseline environmental conditions within the Project vicinity. This section will describe those aspects of the environment that may be affected by the implementation of the Project, specifically an analysis of the following topics:

- Physical environment – visual resources, air quality, greenhouse gas emissions, geology, soils, and seismic hazards, hydrology and water quality, and hazardous materials.
- Biological environment – vegetation and wildlife, including migratory birds and forestry resources.
- Social environment – cultural and tribal resources, land use, noise, population and housing, public services, utilities, and energy, recreation, and transportation and traffic.

As part of this section, DD&A will analyze the environmental impacts that could result from the implementation of the Project. DD&A will identify mitigation measures needed to reduce impacts to a less than significant level. DD&A assumes that the IS/EA would include an analysis of the following topics:

- Aesthetics/Visual
- Mineral Resources
- Agricultural and Forest Resources
- Noise
- Air Quality
- Population and Housing
- Biological Resources
- Public Services
- Cultural Resources
- Recreation
- Energy
- Socioeconomics/Environmental Justice
- Geology and Soils
- Transportation
- Greenhouse Gas Emissions/Climate
- Change
- Tribal Cultural
- Resources
- Hazards and Hazardous Materials
- Utilities/Service Systems
- Hydrology and Water Quality
- Wildfire
- Land Use/Planning
- Mandatory Findings of Significance

This section would also include a summary of the Native American consultation efforts undertaken for the Project.

Alternatives: In accordance with NEPA requirements, the IS/EA will define and discuss reasonable alternatives to the Project, including the No Project Alternative, that could feasibly meet the Project objectives and potentially avoid or lessen any significant environmental impacts associated with the Project. DD&A shall coordinate with the City and CSWST2 to determine a range of feasible alternatives. The Alternatives Section in the IS/EA will include a comprehensive analysis of the alternatives carried forward for analysis, as well as describe the alternatives eliminated from the analysis and the rationale for elimination. This section will include a comparison of the alternatives and identify the environmentally superior alternative.

Bibliography/Persons Consulted: This section will include all cited background information, persons contacted, and individuals, agencies, and businesses that contributed to report preparation.

4.6 **Draft Initial Study/Environmental Assessment.** DD&A will prepare the Public Review Draft IS/EA following the revisions on the 2nd Administrative Draft IS/EA. DD&A will work with the City and CSWST2 to prepare all required notices for public circulation of the IS/EA. DD&A will provide a copy in electronic PDF format to City and to responsible agencies. The document will be circulated for a public review period of 30 days, as required for state agency review under CEQA. As part of this task, DD&A will be responsible for the development of the Draft and Final Notice of Completion (NOC), Summary Form, and Notice of Intent (NOI) for the Draft IS/EA. DD&A is available to upload the environmental documentation and noticing to the Office of Planning and Research (OPR) CEQA Submit system. DD&A will also assist with local posting of notices at the Project site, Santa Cruz County Clerk, and other locations as required. DD&A will maintain a file of any comments received during the public circulation period for use in preparing the final document. It is assumed that DD&A will not attend any public hearings during the public circulation process. Any filing fees associated with the Draft IS/EA MND/FONSI will be paid directly by the City.

4.7 **Final Initial Study/Environmental Assessment.** DD&A will prepare responses to comments for review by City staff prior to completing the final environmental document. The final document will include a Mitigation Monitoring and Reporting Program (MMRP) that includes all mitigation measures that must be incorporated into the Project, or the bid documents, for ease of tracking. If the City decides to approve the Project, the Notice of Determination (NOD) will be filed with the County Clerk within five business days. This scope of work assumes that the City shall be responsible for filing the NOD and paying the required CDFW filing fee.

Following the conclusion of the 30-day review period, DD&A will review the comments received on the Draft IS/EA and assist the City with responding to the comments as required. DD&A, in consultation with the City, will prepare formal responses to these comments. The comment letters and responses, as well as any necessary changes to the text of the Draft IS/EA, will be the primary components of the Final IS/EA. DD&A will provide the Final IS/EA to the City for review and

comment. This scope of work assumes that this would be limited to one (1) round of revisions on the Final IS/EA.

As part of this task, DD&A will be responsible for the preparation of the Notice of Determination (NOD) after final adoption of the IS/MND. DD&A will also prepare the appropriate CEQA and NEPA findings for the adoption of the MND and FONSI and approval of the Project. This scope of work assumes that the City staff or legal counsel will be responsible for preparing all accompanying staff reports and resolutions. In addition, this scope assumes that the City would file the NOD with the County Clerk and would be responsible for paying all required filing fees.

DD&A will prepare a Mitigation Monitoring and Reporting Program (MMRP) in compliance with CEQA Guidelines Section 15091 and include it in the ultimate approval by the City in conjunction with the Project approval. The MMRP, at a minimum, will include the following information:

1. The full text of each mitigation measure
2. The monitoring and reporting requirements
3. The entity or entities responsible for implementation, reporting, and monitoring
4. The timing for implementation and monitoring.

DD&A will also be responsible for posting the notices and sending the notices and final document to OPR and CEQAnet.

4.8 **Regulatory Permitting.** Soquel Creek is expected to fall under the jurisdiction of the USACE, RWQCB, and CDFW. If the Project will result in permanent and/or temporary impacts on Soquel Creek, a Section 404 Permit from the USACE, Water Quality Certification from the RWQCB, and 1602 Streambed Alteration Agreement from CDFW will be required. DD&A will prepare the Pre-Construction Notification package for submittal to the USACE, application for a Section 401 Water Quality Certification for submittal to the RWQCB, and Streambed Alteration Notification package for submittal to the CDFW. The applications will include a brief description of the Project, an assessment of impacts on jurisdictional areas, proposed best management practices, and other pertinent Project information, as required by the regulatory agencies. This scope of work assumes that any filing fees associated with the regulatory permits will be paid directly by the City. This task includes one round of coordination with the regulatory agencies after the permit applications have been submitted.

4.9 **Coastal Development Permit.** As part of this scope of work, DD&A will compile the CDP Application in coordination with CSWST2 and the City. DD&A will prepare and submit a pre-application request form to the City to initiate the CDP process under the Local Coastal Program. After the City has conducted their initial review, a formal application will be provided by the City at a formal application meeting. DD&A will be responsible for the formal application submittal, and coordination with the City regarding any supplemental requests for information. After the formal submittal of the Project application, the City, as part of their interdepartmental review process, will have 30-days to determine whether the application is “complete.” DD&A will regularly communicate with the City during their review process to ensure that the Project completion determination is conducted in a timely manner. Please note that, depending on the nature of potential requests, a contract amendment may be necessary. DD&A will review all City prepared staff reports and/or other supporting information as part of the City’s deliberative process. This task

assumes that DD&A will coordinate any comments with the City. This task assumes that DD&A will be available to participate in one (1) City hearing and one (1) Board of Supervisor's hearing (if the Project is appealed). DD&A will be prepared to make presentations to each of the hearing bodies on behalf of the Project and address any potential concerns related to the Project.

4.10 **Project Management and Meeting Attendance.** DD&A would provide Project Management services throughout the Project to ensure that key deliverables are completed on schedule and within the contract amount. DD&A would routinely coordinate with CSWST2 and the City to provide progress reports as part of this task. DD&A would attend to all aspects of managing the Project, including scheduling resources, handling team communication, sub-consultant management, and responding to requests for information. DD&A would be available to participate in meetings and/or conference calls with CSWST2, the City, and other Project team members. These meetings would be scheduled on an as-needed basis and are in addition to those meetings identified above. If requested, DD&A can be available to attend additional meetings and conference calls beyond those identified within the scope of the budget. This task also includes coordination with Caltrans on technical documentation and environmental clearance.

Key Deliverables We will provide electronic (PDF, and MS Word) of the following documents:

a. Phase 1 Site Assessment
b. Project Description
c. Biological Resources Report
d. Aquatic Resources Delineation
e. Noise Study Memorandum
f. Cultural Resources Assessment Report
g. Natural Environment Study
h. Biological Assessment
i. Section 106 Technical Report
j. Administrative Draft Initial Study/Environmental Assessment Mitigated Negative Declaration/Finding of No Significant Impact
k. Draft Initial Study/Environmental Assessment Mitigated Negative Declaration/Finding of No Significant Impact, Mitigation Monitoring and Reporting Program, Notice of Intent, and Notice of Completion
l. Final Initial Study/Environmental Assessment Mitigated Negative Declaration/Finding of No Significant Impact and Notice of Determination
m. Signature-Ready Permit Applications for ACOE 404, RWQCB 401, CDFW LSAA, and Coastal Development Permit

Task 5. Construction Documents

Objective: What is the key service being provided and key item to be delivered. With approval of the preliminary design, our team will develop final construction documents for bidding in response to conditions found during the environmental phase and within the available budget.

5.1 Plans, Specifications and Estimate. Our team will prepare documents to the 65%, 95% and 100% levels of completion. This will include the following:

A. Plans. We will add additional details to the 35% plan set as described in Task 2.1. This will include:

i. Title Sheet with Vicinity / Site Map (CSWST2)
ii. Key Map and Line Index (CSWST2)
iii. Demolition Plans (CSWST2)
iv. Grading and Drainage Plans and Details (CSWST2)
v. Utility Plans and Details (includes alignment routing and verification of sizing, code coordination, integration with existing infrastructure) (CSWST2)
vi. Horizontal and Vertical Alignment Plans (CSWST2)
vii. Bridge Structural Plans (approximately 22 plan sheets) (BCA)
viii. Electrical Plans and Details
ix. Stormwater Management Plan (CSWST2)
x. Erosion Control Plans (CSWST2)
xi. Traffic Management Plan (CSWST2)

B. Foundation Report. ENGEO will perform a geotechnical assessment on the existing bridge and assess the necessary design criteria for a new foundation to support the bridge. ENGEO will drill two mud rotary borings ranging in depth approximately 50 to 100 feet below existing grade, near the current bridge abutments. ENGEO will obtain necessary drilling and encroachment permits. ENGEO will retain traffic control services to guide traffic during drilling operations. ENGEO will place soil cuttings and drilling fluid in 55-gallon drums for removal and disposal. ENGEO will collect soil samples at frequent depth intervals for visual classification and laboratory testing. ENGEO will test the samples for soil characteristics such as moisture content, dry unit weight, plasticity index, gradation, strength, corrosivity, and other physical properties as appropriate. ENGEO will perform analyses and prepare a Foundation Report that conforms to Caltrans requirements. ENGEO will prepare a single draft version of the report for review and comment by the design team and City. ENGEO will revise the draft foundation report based on comments from the design team and City and issue a final report. The final report will be signed by a licensed California Geotechnical Engineer and California Certified Engineering Geologist.

C. Bridge Design Calculations. BCA will prepare structural calculations for the replacement bridge superstructure type and configuration agreed upon during the Preliminary Engineering task. At this time it is assumed the bridge will consist of an approximate 145 foot single span cast-in-place concrete post-tensioned box girder arched to mimic existing structure. The structure will be approximately 50 feet wide and will accommodate 1lane of traffic in each direction plus pedestrian sidewalks on both sides. This submittal will represent a complete, unchecked set of bridge structural calculations to be submitted to the City. The bridge design will be performed in general accordance with the following:

i. California Department of Transportation (Caltrans) Local Assistance Procedures Manual (LAPM) Chapter 11: Design Standards
ii. Caltrans LAPM Chapter 12: Plans, Specifications, and Estimates
iii. Caltrans Highway Design Manual

iv. AASHTO's Policy on Geometric Design of Highways and Streets, 6th Edition
v. Caltrans 2023 Standard Plans & Specifications
vi. Caltrans Bridge Design & Detailing Manuals
vii. AASHTO LRFD Bridge Design Specifications, 8TH Edition with Caltrans Amendments
viii. Caltrans Seismic Design Criteria, Version 2.0

D. **Response to Structural Independent Check Review Comments.** BCA will provide written responses to the structural independent check review comments provided by a BCA independent check team, and agency comments on the 65% PS&E. BCA will update the PS&E based on the agreement and resolution of comments for submittal to the City.

E. Technical Specifications. Our team will prepare Technical Specifications in the Caltrans Standard Specifications. This will include integration of mitigations defined in the project's CEQA assessment. We will integrate the City's front-end specifications into the contract documents. DD&A will assist with ensuring that design-related avoidance and minimization measures are successfully integrated into project plans and contract specifications. Specifically, the draft bid package (estimated at 95 percent design) will be reviewed to ensure all relevant CEQA and NEPA obligations and permitting requirements have been adequately incorporated. DD&A will review the draft and make direct additions, supplemental comments and/or create specialized, non-standard environmental specifications in tracked changes. Following the review, coordination between DD&A, the design engineer, and the City will take place to make any required changes.

F. Technical Studies. Our team will finalize the following technical studies:

i. Final Storm Water Pollution Prevention Plan
ii. Final Structural Design Calculations
iii. Final Bridge Hydrology & Hydraulic Report
iv. Final Materials Information Handout

G. **Cost Estimate/ Bid Schedule.** We will update our cost model consistent with the design and funding program.

H. **Amended Type Selection Report.** We will update any changes to the Type Selection report that details key decisions made in developing the design.

I. **Comments.** Our team will document all comments received from City and others in a matrix and provide a response to each.

5.2 **Outreach.** Our team would continue to build on the outreach strategy developed in Task 1.

A. **Project Website.** Our team would maintain the project website with updated information related to the project design and schedule, along with responses to community concerns and questions.

B. **Stakeholder Meeting.** Our team would conduct one-to-one meetings with adjacent property owners to review 65% design plans and respond to questions and concerns.

5.3 Contract Management. We will complete the tasks as identified in Task 1.7 including attending up to eight (8) coordination meetings.

Key Deliverables. We will provide electronic (PDF and native format) of the following documents:

a. Documents for the 65%, 95%, and 100% submittal for the streetscape
b. Foundation Report (one draft copy and one final copy)Renderings (4)
c. Project website update, summary of property owner meetings
d. Meeting agendas, presentation, and minutes.

ASSUMPTIONS

In preparation of this work plan, we have made the following assumptions.

1. Structural independent check calculations will be provided by BCA. Caltrans and the City will provide agency review comments.
2. During Task 1 Bridge Conditions Assessment, we assume City Maintenance Staff will be on site to pull manhole lids and oversee traffic control.
3. This scope assumes that a combined CEQA/NEPA document will be the preferred document type for Caltrans approval. If independent CEQA and NEPA documents are required a budget amendment may be required.
4. This scope assumes Caltrans technical documents identified in Task 4.4 are the only technical documents that Caltrans will require. However, given that the PSR, PEAR, and/or PES have not been developed yet additional technical documents may be required to satisfy Caltrans environmental compliance. Any additional technical documents requested by Caltrans will require a budget amendment.
5. This scope of work assumes that CalTrans/ACOE would perform tribal outreach pursuant to Section 106 of the National Historic Preservation Act in fulfillment of NEPA requirements.
6. CEQA and Regulatory Permit filing fees will be handled by the City.
7. DD&A will not be required to attend any public hearings, beyond those identified above for the CDP.
8. DD&A will not be required to attend or administer public participation and outreach events.
9. This scope of work does not include preparation of a stand-alone air quality memorandum. Instead, DD&A will incorporate the CalEEMod results directly into the air quality, energy, and greenhouse gas sections of the IS/MND. The modeling results would be included as an Appendix to the IS/MND.
10. This scope assumes that the City would be the CEQA lead agency.
11. DD&A assumes the archaeological and historical pedestrian survey area totals no more than
12. 0.75 acres and includes the bridge and the two end piers of the bridge.
13. This scope assumes that the City will obtain landowner permission on behalf of DD&A and their subs prior to the start of the survey work.
14. This scope assumes that no new cultural resources are identified during background research or the pedestrian survey.

STOCKTON AVENUE BRIDGE REPLACEMENT PROJECT **01.15.2023**
SUMMARY OF PROJECT COSTS

Task 1 Opportunities and Constraints	
CSWST2	$ 78,600
BIGGS CARDOSA	$ 16,685
ENGEO	$ -
DENISE DUFFY & ASSOCIATES	$ -
Subtotal	**$ 95,285**

Task 2 Bridge Advanced Planning Study	
CSWST2	$ 18,967
BIGGS CARDOSA	$ 61,487
ENGEO	$ 36,931
DENISE DUFFY & ASSOCIATES	$ -
Subtotal	**$ 117,384**

Task 3 Preliminary Design (35% Design Submittal)	
CSWST2	$ 60,137
BIGGS CARDOSA	$ 84,497
ENGEO	$ -
DENISE DUFFY & ASSOCIATES	$ -
Subtotal	**$ 144,633**

Task 4 Environmental Clearance	
CSWST2	$ 14,243
BIGGS CARDOSA	$ 2,181
ENGEO	$ -
DENISE DUFFY & ASSOCIATES	$ 233,077
Subtotal	**$ 249,501**

Task 5 Final Engineering	
CSWST2	$ 192,534
BIGGS CARDOSA	$ 289,923
ENGEO	$ 102,342
DENISE DUFFY & ASSOCIATES	$ -
Subtotal	**$ 584,799**

Reimbursable Expenses	
CSWST2	$ 30,500
BIGGS CARDOSA	$ 2,500
ENGEO	$ 84,728
DENISE DUFFY & ASSOCIATES	$ 50,867
Subtotal	**$ 168,595**

Total Fee		
CSWST2	$ 394,981	29%
BIGGS CARDOSA	$ 457,272	34%
ENGEO	$ 224,001	16%
DENISE DUFFY & ASSOCIATES	$ 283,944	21%
Total	**$ 1,360,198**	100%

CERTIFICATION OF DIRECT COSTS:

I, the undersigned, certify to the best of my knowledge and belief that all direct costs identified on the cost proposal(s) in this contract are actual, reasonable, allowable, and allocable to the contract in accordance with the contract terms and the following requirements:

1. Generally Accepted Accounting Principles (GAAP)
2. Terms and conditions of the contract
3. Title 23 United States Code Section 112 - Letting of Contracts
4. 48 Code of Federal Regulations Pare 31 - Contact Cost Principles and Procedures
5. 23 Code of Federal Regulations Part 172 - Procurement, Management, and Administration of Engineering and Designee Related Service
6. 48 Code of Federal Regulations Par 9904 - Cost Accounting Standards Board (when applicable

All costs must be applied consistently and fairly to all contracts. All documentation of compliance must be retained in the project files and be in compliance with applicable federal and state
Local governments are responsible for applying only cognizant agency approved or CALTRANS accepted Indirect Cost Rate(s).

Prime Consultant

Name: Robert Stevens

Title: President

Signature:

Date: 01.15.2024

Email: rstevens@cswst2.com

Phone Number: 415.533.1864

Capitola - Stockton Avenue Bridge Replacement

FEE PROPOSAL

CSW ST2

Submittal Date: 01.15.25

					CSWST2 Project Manager, Surveyor, Engineer and Outreach							**Total Hours**	**Total Fee Proposal**
		Robert Stevens **Principal**	Julia Harberson **Project Manager**	Jessie Maran **Outreach Lead**	Brenda Payne **Outreach Support**	Kristine Pillsbury **Senior Engineer**	Various **Engineer II**	Various **Engineer I**	Various **Surveyor II**	Various **Surveyor I**	**Two Person Survey Crew**		
	2025 Hourly Rate ($/ hour)	80.00	80.00	70.00	50.00	68.00	60.00	50.00	60.00	50.00	100.00		
	Fringe	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	Overhead	175.97%	175.97%	175.97%	175.97%	175.97%	175.97%	175.97%	175.97%	175.97%	175.97%		
	Profit	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%		
	Multiplier	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		
	Billable Rate ($/ hour)	242.85	242.85	212.50	151.78	206.43	182.14	151.78	182.14	151.78	303.57		
Task 1	**Opportunities and Constraints**												
1.1	**Project Kickoff**		2	2								4	$911
1.2	**Outreach Strategy**			6	2							8	$1,579
1.3	**Data Collection and Field Review**											0	$0
1.4	**Bridge Conditions Assessment**												
	Bridge Inspection Access Plan		4			8						12	$2,623
	Bridge Observation											0	$0
	Utility Observation		12			12						24	$5,391
	Condition Report & Basis of Design Memorandum		4			12						16	$3,449
1.5	**Existing Conditions Mapping**					2			73	40	67	182	$40,119
1.6	**Outreach**												
	General Outreach-Related Services			20								20	$4,250
	Project Website			4	6							10	$1,761
	Stakeholder Meeting			12	8							20	$3,764
1.7	**Contract Management**												
	Project Management		40			20						60	$13,843
	Quality Control	2										2	$486
	Meetings			2								2	$425
	Task 1 Opportunities and Constraints Subtotal:	**2**	**62**	**46**	**16**	**54**	**0**	**0**	**73**	**40**	**67**	**360**	**$78,600**
Task 2	**Bridge Advanced Planning Study**												
2.1	**Preliminary Foundation Report**											0	$0
2.2	**Preliminary Bridge Hydrology & Hydraulics Report**		8			20	40					68	$13,357
2.3	**Bridge Advance Planning Study**											0	$0
2.4	**Contract Management**												
	Project Management		10									10	$2,429
	Quality Control	2										2	$486
	Meetings		6			6						12	$2,696
	Task 2 Bridge Advanced Planning Study Subtotal:	**2**	**24**	**0**	**0**	**26**	**40**	**0**	**0**	**0**	**0**	**92**	**$18,967**
Task 3	**Preliminary Design (35% Design Submittal)**												
3.1	**Preliminary Engineering (35%)**												
	Photometric Analysis					1	2	8				11	$1,785
	Stormwater Control Plan					1	2	8				11	$1,785
	Bridge Hydrology and Hydraulics Report		4			8	40					52	$9,908
	Water Quality Study		1			4	4	4				13	$2,404
	Bridge Site Data Submittal Package											0	$0
	Preliminary Foundation Report											0	$0
	Project Rsk Matrix											0	$0
	Plans & Specifications											0	$0
	Right of Way		4			4						8	$1,797
	Cost Estimate		4			8	8					20	$4,080
3.2	**Outreach**												
	General Outreach-Related Services			8	12							20	$3,521
	Electronic Updates			2	2							4	$729
	In-Person Meeting		8	24	16	8						56	$11,123
	City Council		2	2	1							5	$1,062
3.3	**Contract Management**												
	Project Management		40			20						60	$13,843
	Quality Control	2										2	$486
	Meetings		16	2		16						34	$7,613
	Task 3 Preliminary Design (35% Design Submittal)	**2**	**79**	**38**	**31**	**70**	**56**	**20**	**0**	**0**	**0**	**296**	**$60,137**
Task 4	**Environmental Clearance**												
4.1	**Phase 1 Site Assessment**											0	$0
4.2	**Project Description**		4			4						8	$1,797
4.3	**Technical Studies**												
	Biological Resources Assessment											0	$0
	Aquatic Resources Delineation											0	$0
	Noise Study memorandum											0	$0
	Cultural Resources											0	$0
	Air Quality/Greenhouse Gas Emissions											0	$0
4.4	**Caltrans Technical Documentation**												
	Natural Environment Study											0	$0
	Biological Assessment											0	$0
4.5	**Administrative Draft Initial Study/Environmental**											0	$0
4.6	**Draft Initial Study/Mitigated Negative Declaration**											0	$0
4.7	**Final Initial Study/Mitigated Negative Declaration**											0	$0
4.8	**Regulatory Permitting**		8			8						16	$3,594
4.9	**Coastal Development Permit**		4			4						8	$1,797
4.10	**Contract Management**												
	Project Management		10			5						15	$3,461
	Quality Control											0	$0
	Meetings		8			8						16	$3,594
	Task 4 Environmental Clearance Subtotal:	**0**	**34**	**0**	**0**	**29**	**0**	**0**	**0**	**0**	**0**	**63**	**$14,243**
Task 5	**Final Engineering**												
5.1	**Plans, Specifications and Estimate**												
	65% PS&E		20			60	80	100				260	$46,992

Capitola - Stockton Avenue Bridge Replacement

FEE PROPOSAL

CSW ST2

Submittal Date: 01.15.25

					CSWST2 Project Manager, Surveyor, Engineer and Outreach							**Total Hours**	**Total Fee Proposal**
		Robert Stevens **Principal**	Julia Harberson **Project Manager**	Jessie Maran **Outreach Lead**	Brenda Payne **Outreach Support**	Kristine Pillsbury **Senior Engineer**	Various **Engineer II**	Various **Engineer I**	Various **Surveyor II**	Various **Surveyor I**	**Two Person Survey Crew**		
	2025 Hourly Rate ($/ hour)	80.00	80.00	70.00	50.00	68.00	60.00	50.00	60.00	50.00	100.00		
	Fringe	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	Overhead	175.97%	175.97%	175.97%	175.97%	175.97%	175.97%	175.97%	175.97%	175.97%	175.97%		
	Profit	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%		
	Multiplier	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		
	Billable Rate ($/ hour)	242.85	242.85	212.50	151.78	206.43	182.14	151.78	182.14	151.78	303.57		
	95% PS&E		10			50	60	90				210	$37,339
	100% PS&E		5			40	40	80				165	$28,900
	Foundation Report												$0
	Bridge Design Calculations											0	$0
	Response to Structural Independent Check Comments											0	$0
	Technical Studies		4			40	40	20				104	$19,550
	Bridge Type Selection Report											0	$0
	Responses to Comments		4			20	20	20				64	$11,778
5.2	**Outreach**												
	General Outreach-Related Services			8	22							30	$5,039
	Electronic Updates			2	2							4	$729
	In-Person Meeting		8	16	2	8						34	$7,298
5.3	**Contract Management**											0	
	Project Management		80			20						100	$23,557
	Quality Control	8										8	$1,943
	Meetings		20	2		20						42	$9,411
	Task 5 Final Engineering Subtotal:	**8**	**151**	**28**	**26**	**258**	**240**	**310**	**0**	**0**	**0**	**1021**	**$192,534**
	Total Labor Expenses:	**14**	**350**	**112**	**73**	**437**	**336**	**330**	**73**	**40**	**67**	**1832**	**$364,481**
Reimbursable Expenses													
General Expenses													$10,500
Electrical Consultant													$20,000
												Total Reimbursable Expenses:	**$30,500**
												Total CSWST2 Fee:	**$394,981**

Capitola - Stockton Avenue Bridge Replacement

FEE PROPOSAL

Submittal Date: 01.15.25

BIGGS CARDOSA ASSOCIATES INC

			Biggs Cardosa Associates, Inc. Structural Engineering									
			Dan Devlin Senior Principal	Thomas Swayze Principal	John Alciait Associate	Greg Tolan Engineering Manager	Natsuki Okuda Project Engineer	Mandy Pederson Project Engineer	Konrad von Mayrhauser Staff Engineer	Komalpreet Mehroke Assistant Engineer	Ronald Moe Sr. Computer Drafter	Total Hours	Total Fee Proposal
		2025 Hourly Rate ($/ hour)	124.04	107.88	90.87	83.08	58.85	61.44	52.79	42.40	57.40		
		Fringe	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
		Overhead	159.59%	159.59%	159.59%	159.59%	159.59%	159.59%	159.59%	159.59%	159.59%		
		Profit	10%	10%	10%	10%	10%	10%	10%	10%	10%		
		Multiplier	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9		
		Billable Rate (Overhead & Profit) ($/ hour)	354.19	308.05	259.48	237.23	168.05	175.44	150.74	121.07	163.91		
Task 1	**Opportunities and Constraints**												
1.1	**Project Kickoff**											0	$0
1.2	**Outreach Strategy**											0	$0
1.3	**Data Collection and Field Review**											0	$0
1.4	**Bridge Conditions Assessment**												
	Bridge Inspection Access Plan			2								2	$616
	Bridge Observation			8		8						16	$4,362
	Utility Observation											0	$0
	Condition Report & Basis of Design Memorandum			8		14	24				4	50	$10,474
1.5	**Existing Conditions Mapping**											0	$0
1.6	**Outreach**												
	General Outreach-Related Services											0	$0
	Project Website											0	$0
	Stakeholder Meeting											0	$0
1.7	**Contract Management**												
	Project Management											0	$0
	Quality Control			4								4	$1,232
	Meetings											0	$0
	Task 1 Opportunities and Constraints Subtotal:		**0**	**22**	**0**	**22**	**24**	**0**	**0**	**0**	**4**	**72**	**$16,685**
Task 2	**Bridge Advanced Planning Study**												
2.1	**Preliminary Foundation Report**		2	2		6						10	$2,748
2.2	**Preliminary Bridge Hydrology & Hydraulics Report**											0	$0
2.3	**Bridge Advance Planning Study**		3	24	4	40	80		120		32	303	$55,761
2.4	**Contract Management**												
	Project Management			4								4	$1,232
	Quality Control		2		4							6	$1,746
	Meetings											0	$0
	Task 2 Bridge Advanced Planning Study Subtotal:		**7**	**30**	**8**	**46**	**80**	**0**	**120**	**0**	**32**	**323**	**$61,487**
Task 3	**Preliminary Design (35% Design Submittal)**												
3.1	**Preliminary Engineering (35%)**												
	Photometric Analysis											0	$0
	Stormwater Control Plan											0	$0
	Bridge Hydrology and Hydraulics Report			2		4						6	$1,565
	Water Quality Study											0	$0
	Bridge Site Data Submittal Package			6		12	12					30	$6,712
	Preliminary Foundation Report			8		16						24	$6,260
	Project Rsk Matrix			12		24	40					76	$16,112
	Plans & Specifications		2	16		40	40		60	20		178	$33,314
	Right of Way											0	$0
	Cost Estimate		2	4		12	16		24			58	$11,094
3.2	**Outreach**												
	General Outreach-Related Services											0	$0
	Electronic Updates											0	$0
	In-Person Meeting											0	$0
	City Council											0	$0
3.3	**Contract Management**												
	Project Management			4								4	$1,232
	Quality Control				4			16				20	$3,845
	Meetings			8		8						16	$4,362
	Task 3 Preliminary Design (35% Design Submittal) Subtotal:		**4**	**60**	**4**	**116**	**108**	**16**	**84**	**20**	**0**	**412**	**$84,497**
Task 4	**Environmental Clearance**												
4.1	**Phase 1 Site Assessment**											0	$0
4.2	**Project Description**											0	$0
4.3	**Technical Studies**												
	Biological Resources Assessment											0	$0
	Aquatic Resources Delineation											0	$0
	Noise Study memorandum											0	$0
	Cultural Resources											0	$0
	Air Quality/Greenhouse Gas Emissions											0	$0
4.4	**Caltrans Technical Documentation**												
	Natural Environment Study											0	$0
	Biological Assessment											0	$0
4.5	**Administrative Draft Initial Study/Environmental**											0	$0
4.6	**Draft Initial Study/Mitigated Negative Declaration**											0	$0
4.7	**Final Initial Study/Mitigated Negative Declaration**											0	$0
4.8	**Regulatory Permitting**											0	$0
4.9	**Coastal Development Permit**											0	$0
4.10	**Contract Management**												
	Project Management											0	$0
	Quality Control											0	$0
	Meetings			4		4						8	$2,181
	Task 4 Environmental Clearance Subtotal:		**0**	**4**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**8**	**$2,181**
Task 5	**Final Engineering**												
5.1	**Plans, Specifications and Estimate**												
	65% PS&E			24		100	80			24	220	448	$83,525
	95% PS&E			24		100	80			24	220	448	$83,525
	100% PS&E			8							60	68	$12,299
	Foundation Report			2							6		$1,600
	Bridge Design Calculations					60	80	60		80		280	$47,890
	Response to Structural Independent Check Comments			8		24	40					72	$14,880

Capitola - Stockton Avenue Bridge Replacement

FEE PROPOSAL

Submittal Date: 01.15.25

BIGGS CARDOSA ASSOCIATES INC

		Biggs Cardosa Associates, Inc. Structural Engineering									**Total Hours**	**Total Fee Proposal**
		Dan Devlin Senior Principal	Thomas Swayze Principal	John Alciait Associate	Greg Tolan Engineering Manager	Natsuki Okuda Project Engineer	Mandy Pederson Project Engineer	Konrad von Mayrhauser Staff Engineer	Komalpreet Mehroke Assistant Engineer	Ronald Moe Sr. Computer Drafter		
	2025 Hourly Rate ($/ hour)	124.04	107.88	90.87	83.08	58.85	61.44	52.79	42.40	57.40		
	Fringe	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	Overhead	159.59%	159.59%	159.59%	159.59%	159.59%	159.59%	159.59%	159.59%	159.59%		
	Profit	10%	10%	10%	10%	10%	10%	10%	10%	10%		
	Multiplier	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9		
	Billable Rate (Overhead & Profit) ($/ hour)	354.19	308.05	259.48	237.23	168.05	175.44	150.74	121.07	163.91		
	Technical Studies										0	$0
	Bridge Type Selection Report				6	4					10	$2,096
	Responses to Comments		4		20	32					56	$11,354
5.2	**Outreach**											
	General Outreach-Related Services										0	$0
	Electronic Updates										0	$0
	In-Person Meeting										0	$0
5.3	**Contract Management**										0	
	Project Management										0	$0
	Quality Control	8		32				100			140	$26,211
	Meetings		12		12						24	$6,543
	Task 5 Final Engineering Subtotal:	**8**	**82**	**32**	**322**	**316**	**60**	**100**	**128**	**506**	**1546**	**$289,923**
	Total Labor Expenses:	**19**	**175**	**66**	**472**	**494**	**156**	**184**	**268**	**510**	**2038**	**$454,772**
Reimbursable Expenses												
General Expenses												$2,500
											Total Reimbursable Expenses:	**$2,500**
											Total Fee:	**$457,272**

Capitola - Stockton Avenue Bridge Replacement

FEE PROPOSAL

Submittal Date: 01.15.25

		ENGEO Geotechnical Engineer								
		Various Principal	Various Associate	Various Senior Engineer	Various Project Engineer	Various Staff Engineer	Various Drafting	Various Project Assistant	Total Hours	Total Fee Proposal
	2025 Hourly Rate ($/ hour)	129.81	76.92	62.50	50.48	43.75	53.37	62.50		
	Fringe	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	Overhead	######	######	######	######	######	######	######		
	Profit	10%	10%	10%	10%	10%	10%	10%		
	Multiplier	4.1	4.1	4.1	4.1	4.1	4.1	4.1		
	Billable Rate ($/ hour)	531.18	314.76	255.75	206.56	179.03	218.39	255.75		
Task 1	**Opportunities and Constraints**									
1.1	**Project Kickoff**								0	$0
1.2	**Outreach Strategy**								0	$0
1.3	**Data Collection and Field Review**								0	$0
1.4	**Bridge Conditions Assessment**									
	Bridge Inspection Access Plan								0	$0
	Bridge Observation								0	$0
	Utility Observation								0	$0
	Condition Report & Basis of Design Memorandum								0	$0
1.5	**Existing Conditions Mapping**								0	$0
1.6	**Outreach**									
	General Outreach-Related Services								0	$0
	Project Website								0	$0
	Stakeholder Meeting								0	$0
1.7	**Contract Management**									
	Project Management								0	$0
	Quality Control								0	$0
	Meetings								0	$0
	Task 1 Opportunities and Constraints Subtotal:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**$0**
Task 2	**Bridge Advanced Planning Study**									
2.1	**Preliminary Foundation Report**	25	0	0	70	32	10	5	142	$36,931
2.2	**Preliminary Bridge Hydrology & Hydraulics Report**								0	$0
2.3	**Bridge Advance Planning Study**								0	$0
2.4	**Contract Management**									
	Project Management								0	$0
	Quality Control								0	$0
	Meetings								0	$0
	Task 2 Bridge Advanced Planning Study Subtotal:	**25**	**0**	**0**	**70**	**32**	**10**	**5**	**142**	**$36,931**
Task 3	**Preliminary Design (35% Design Submittal)**									
3.1	**Preliminary Engineering (35%)**									
	Photometric Analysis								0	$0
	Stormwater Control Plan								0	$0
	Bridge Hydrology and Hydraulics Report								0	$0
	Water Quality Study								0	$0
	Bridge Site Data Submittal Package								0	$0
	Preliminary Foundation Report								0	$0
	Project Rsk Matrix								0	$0
	Plans & Specifications								0	$0
	Right of Way								0	$0
	Cost Estimate								0	$0
3.2	**Outreach**									
	General Outreach-Related Services								0	$0
	Electronic Updates								0	$0
	In-Person Meeting								0	$0
	City Council								0	$0
3.3	**Contract Management**									
	Project Management								0	$0
	Quality Control								0	$0
	Meetings								0	$0
	Task 3 Preliminary Design (35% Design Submittal) Subtotal:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**$0**
Task 4	**Environmental Clearance**									
4.1	**Phase 1 Site Assessment**								0	$0
4.2	**Project Description**								0	$0
4.3	**Technical Studies**									
	Biological Resources Assessment								0	$0
	Aquatic Resources Delineation								0	$0
	Noise Study memorandum								0	$0
	Cultural Resources								0	$0
	Air Quality/Greenhouse Gas Emissions								0	$0
4.4	**Caltrans Technical Documentation**									
	Natural Environment Study								0	$0
	Biological Assessment								0	$0
4.5	**Administrative Draft Initial Study/Environmental Assessment**								0	$0
4.6	**Draft Initial Study/Mitigated Negative Declaration**								0	$0
4.7	**Final Initial Study/Mitigated Negative Declaration**								0	$0
4.8	**Regulatory Permitting**								0	$0
4.9	**Coastal Development Permit**								0	$0
4.10	**Contract Management**									
	Project Management								0	$0

Capitola - Stockton Avenue Bridge Replacement

FEE PROPOSAL

Submittal Date: 01.15.25

		ENGEO Geotechnical Engineer								
		Various Principal	Various Associate	Various Senior Engineer	Various Project Engineer	Various Staff Engineer	Various Drafting	Various Project Assistant	Total Hours	Total Fee Proposal
	2025 Hourly Rate ($/ hour)	129.81	76.92	62.50	50.48	43.75	53.37	62.50		
	Fringe	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	Overhead	######	######	######	######	######	######	######		
	Profit	10%	10%	10%	10%	10%	10%	10%		
	Multiplier	4.1	4.1	4.1	4.1	4.1	4.1	4.1		
	Billable Rate ($/ hour)	531.18	314.76	255.75	206.56	179.03	218.39	255.75		
	Quality Control								0	$0
	Meetings								0	$0
	Task 4 Environmental Clearance Subtotal:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**$0**
Task 5	**Final Engineering**									
5.1	**Plans, Specifications and Estimate**									
	65% PS&E	10			12	3			25	$8,328
	95% PS&E	10			12	3			25	$8,328
	100% PS&E	10			12	4			26	$8,507
	Foundation Report	50			120	80	41	10	301	$77,180
	Bridge Design Calculations								0	$0
	Response to Structural Independent Check Comments								0	$0
	Technical Studies								0	$0
	Bridge Type Selection Report								0	$0
	Responses to Comments								0	$0
5.2	**Outreach**									
	General Outreach-Related Services								0	$0
	Electronic Updates								0	$0
	In-Person Meeting								0	$0
5.3	**Contract Management**									
	Project Management								0	$0
	Quality Control								0	$0
	Meetings								0	$0
	Task 5 Final Engineering Subtotal:	**80**	**0**	**0**	**156**	**90**	**41**	**10**	**377**	**$102,342**
	Total Labor Expenses:	**105**	**0**	**0**	**226**	**122**	**51**	**15**	**519**	**$139,273**
Reimbursable Expenses										
Task 2.1 - Subcontractors (Drillers), Permits, Mileage										$27,098
Task 4.1 - Subcontractors (Drillers), Permits, Mileage										$57,630
	Total Reimbursable Expenses:									**$84,728**
	Total Fee:									**$224,001**

Capitola - Stockton Avenue Bridge Replacement

FEE PROPOSAL

Submittal Date: 01.15.25

		Denise Duffy & Associates Environmental Permitting								
		Principal	Senior Project Manager	Senior Planner/Scientist II	Assoc Planner/Scientist	Asst Planner/Scientist	GIS/Computer Specialist	Admin/Editing	Total Hours	Total Fee Proposal
	2025 Hourly Rate ($/ hour)	90.50	65.75	60.25	46.00	41.50	47.25	32.00		
	Fringe	58.17%	58.17%	58.17%	58.17%	58.17%	58.17%	58.17%		
	Overhead	######	######	######	######	######	######	######		
	Profit	10%	10%	10%	10%	10%	10%	10%		
	Multiplier	3.1	3.1	3.1	3.1	3.1	3.1	3.1		
	Billable Rate ($/ hour)	277.97	201.95	185.06	141.29	127.47	145.13	98.29		
Task 1	**Opportunities and Constraints**									
1.1	**Project Kickoff**								0	$0
1.2	**Outreach Strategy**								0	$0
1.3	**Data Collection and Field Review**								0	$0
1.4	**Bridge Conditions Assessment**									
	Bridge Inspection Access Plan								0	$0
	Bridge Observation								0	$0
	Utility Observation								0	$0
	Condition Report & Basis of Design Memorandum								0	$0
1.5	**Existing Conditions Mapping**								0	$0
1.6	**Outreach**									
	General Outreach-Related Services								0	$0
	Project Website								0	$0
	Stakeholder Meeting								0	$0
1.7	**Contract Management**									
	Project Management								0	$0
	Quality Control								0	$0
	Meetings								0	$0
	Task 1 Opportunities and Constraints Subtotal:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**$0**
Task 2	**Bridge Advanced Planning Study**									
2.1	**Preliminary Foundation Report**								0	$0
2.2	**Preliminary Bridge Hydrology & Hydraulics Report**								0	$0
2.3	**Bridge Advance Planning Study**								0	$0
2.4	**Contract Management**									
	Project Management								0	$0
	Quality Control								0	$0
	Meetings								0	$0
	Task 2 Bridge Advanced Planning Study Subtotal:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**$0**
Task 3	**Preliminary Design (35% Design Submittal)**									
3.1	**Preliminary Engineering (35%)**									
	Photometric Analysis								0	$0
	Stormwater Control Plan								0	$0
	Bridge Hydrology and Hydraulics Report								0	$0
	Water Quality Study								0	$0
	Bridge Site Data Submittal Package								0	$0
	Preliminary Foundation Report								0	$0
	Project Rsk Matrix								0	$0
	Plans & Specifications								0	$0
	Right of Way								0	$0
	Cost Estimate								0	$0
3.2	**Outreach**									
	General Outreach-Related Services								0	$0
	Electronic Updates								0	$0
	In-Person Meeting								0	$0
	City Council								0	$0
3.3	**Contract Management**									
	Project Management								0	$0
	Quality Control								0	$0
	Meetings								0	$0
	Task 3 Preliminary Design (35% Design Submittal) Subtotal:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**$0**
Task 4	**Environmental Clearance**									
4.1	**Phase 1 Site Assessment**	2	4					2	8	$1,560
4.2	**Project Description**	2	16	8	12	16	12	2	68	$10,941
4.3	**Technical Studies**									
	Biological Resources Assessment		8	8	24	16	10	4	70	$10,371
	Aquatic Resources Delineation		8	8	24	16	10	4	70	$10,371
	Noise Study memorandum		8	4	8	8		2	30	$4,703
	Cultural Resources		12	8	8	8		2	38	$6,251
	Air Quality/Greenhouse Gas Emissions		8	8	16	24		2	58	$8,613
4.4	**Caltrans Technical Documentation**									
	Natural Environment Study	2	16	24	36	48	16	6	148	$22,345
	Biological Assessment		8	8	16	24	4	4	64	$9,390
4.5	**Administrative Draft Initial Study/Environmental Assessment**	6	20	32	60	48	16	8	190	$29,333
4.6	**Draft Initial Study/Mitigated Negative Declaration**	4	16	24	32	40	16	8	140	$21,513
4.7	**Final Initial Study/Mitigated Negative Declaration**	2	4	24	24	24	8	6	92	$14,006
4.8	**Regulatory Permitting**	2	16	16	60	60	32	6	192	$28,108
4.9	**Coastal Development Permit**	4	20	24	36	36	16	6	142	$22,180
4.10	**Contract Management**									
	Project Management		60						60	$12,117

Capitola - Stockton Avenue Bridge Replacement

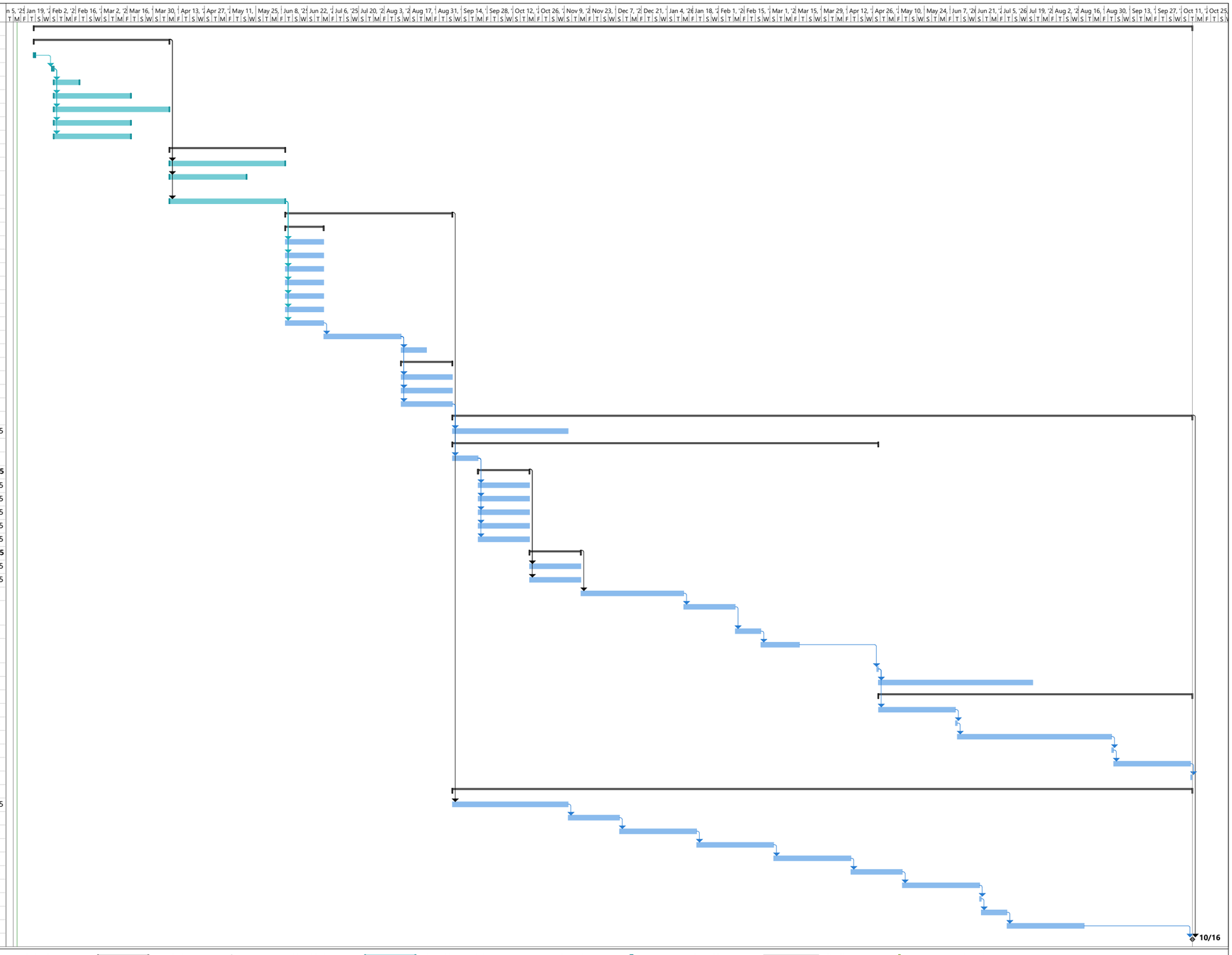
FEE PROPOSAL

Denise Duffy & Associates
Environmental Permitting

	Principal	Senior Project Manager	Senior Planner/Scientist II	Assoc Planner/Scientist	Asst Planner/Scientist	GIS/Computer Specialist	Admin/Editing	Total Hours	Total Fee Proposal
Submittal Date: 01.15.25									
2025 Hourly Rate ($/ hour)	90.50	65.75	60.25	46.00	41.50	47.25	32.00		
Fringe	58.17%	58.17%	58.17%	58.17%	58.17%	58.17%	58.17%		
Overhead	######	######	######	######	######	######	######		
Profit	10%	10%	10%	10%	10%	10%	10%		
Multiplier	3.1	3.1	3.1	3.1	3.1	3.1	3.1		
Billable Rate ($/ hour)	277.97	201.95	185.06	141.29	127.47	145.13	98.29		
Quality Control								0	$0
Meetings	4	60	16	16	16		8	120	$21,276
Task 4 Environmental Clearance Subtotal:	**28**	**284**	**212**	**372**	**384**	**140**	**70**	**1490**	**$233,077**
Task 5 Final Engineering									
5.1 Plans, Specifications and Estimate									
65% PS&E								0	$0
95% PS&E								0	$0
100% PS&E								0	$0
Foundation Report									$0
Bridge Type Selection Report								0	$0
Response to Structural Independent Check Comments								0	$0
Technical Studies								0	$0
Basis of Design								0	$0
Responses to Comments								0	$0
5.2 Outreach									
General Outreach-Related Services								0	$0
Electronic Updates								0	$0
In-Person Meeting								0	$0
5.3 Contract Management									
Project Management								0	$0
Quality Control								0	$0
Meetings								0	$0
Task 5 Final Engineering Subtotal:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**$0**
Total Labor Expenses:	**28**	**284**	**212**	**372**	**384**	**140**	**70**	**1490**	**$233,077**
Reimbursable Expenses									
Printing/Copies (assumes 15 hard copies @ $20 ea)									$300
Equipment (GPS, UAV, etc)									$1,500
Mileage (at current IRS mileage rate)									$500
Miscellaneous (hardcopies, phone, fax, cellular, postage, courier etc.)									$1,000
Administration Fee									$6,635
Total Reimbursable Expenses:									**$9,935**
Total Fee:									**$243,012**
Subconsultants									
Albion									$15,732
Applied Marin Science									$17,000
Ambient									$4,700
Phase 1 Subconsultant									$3,500
Total Subconsultant Fees:									**$40,932**
Total Project Fee:									**$283,944**

15. All deliverables will be digital, and no hard copies will be required, except for the Administrative Draft IS/MND. DD&A has scoped for 15 hard copies of the Administrative Draft IS/EA.
16. This scope assumes coordination with regulatory permitting agencies to secure regulatory permits is limited to one round with this scope of work. If additional coordination is required to secure regulatory permits and budget amendment may be required.
17. DD&A assumes that we will be available to participate in one (1) City hearing and one (1) Board of Supervisor's hearing (if the Project is appealed) for the Coastal Development Permit process.
18. If additional technical traffic review is required, DD&A can retain a transportation engineering firm to complete this work, which is not included in this scope.
19. This scope assumes that the CDP will be secured via the City's LCP, if the CDP is appealed to the CCC a budget amendment may be required.
20. This scope assumes coordination with regulatory permitting agencies to secure regulatory permits is limited to one round with this scope of work. If additional coordination is required to secure regulatory permits and budget amendment may be required.
21. DD&A assumes that we will be available to participate in one (1) City hearing and one (1) Board of Supervisor's hearing (if the Project is appealed) for the Coastal Development Permit process.

ID	Task Name	Duration	Start	Finish
1	**Stockton Avenue Bridge Replacement Project**	**451 days**	**Fri 1/24/25**	**Fri 10/16/26**
2	**1. Opportunities and Constraints**	**52 days**	**Fri 1/24/25**	**Mon 4/7/25**
3	Notice to Proceed	1 day	Fri 1/24/25	Fri 1/24/25
4	Project Kick off	1 day	Mon 2/3/25	Mon 2/3/25
5	Develop Outreach Strategy	10 days	Tue 2/4/25	Mon 2/17/25
6	Data Collection and Field Review	30 days	Tue 2/4/25	Mon 3/17/25
7	Bridge Conditions Assessment	45 days	Tue 2/4/25	Mon 4/7/25
8	Existing Conditions Mapping	30 days	Tue 2/4/25	Mon 3/17/25
9	Outreach	30 days	Tue 2/4/25	Mon 3/17/25
10	**2. Project Study Report**	**45 days**	**Tue 4/8/25**	**Mon 6/9/25**
11	Preliminary Foundation Report	45 days	Tue 4/8/25	Mon 6/9/25
12	Preliminary Bridge Hydrology & Hydraulics Report	30 days	Tue 4/8/25	Mon 5/19/25
13	Bridge Planning Study	45 days	Tue 4/8/25	Mon 6/9/25
14	**3. Preliminary Engineering (35%)**	**65 days**	**Tue 6/10/25**	**Mon 9/8/25**
15	**Technical Studies**	**15 days**	**Tue 6/10/25**	**Mon 6/30/25**
16	Photometric Analysis	15 days	Tue 6/10/25	Mon 6/30/25
17	Stormwater Control Plan	15 days	Tue 6/10/25	Mon 6/30/25
18	Bridge Hydrology & Hydraulic Report	15 days	Tue 6/10/25	Mon 6/30/25
19	Water Quality Study	15 days	Tue 6/10/25	Mon 6/30/25
20	Bridge Data Submittal	15 days	Tue 6/10/25	Mon 6/30/25
21	Preliminary Foundation Reoport	15 days	Tue 6/10/25	Mon 6/30/25
22	Project Risk Matrix	15 days	Tue 6/10/25	Mon 6/30/25
23	Develop 35% Plans and Estimate	30 days	Tue 7/1/25	Mon 8/11/25
24	Submittal Review	10 days	Tue 8/12/25	Mon 8/25/25
25	**Outreach**	**20 days**	**Tue 8/12/25**	**Mon 9/8/25**
26	Stakeholder Meeting	20 days	Tue 8/12/25	Mon 9/8/25
27	Pop-up Engagement	20 days	Tue 8/12/25	Mon 9/8/25
28	City Council Meeting	20 days	Tue 8/12/25	Mon 9/8/25
29	**4. Environmental Clearance**	**289 days**	**Tue 9/9/25**	**Fri 10/16/26**
30	Phase 1 Environmental Assesment	45 days	Tue 9/9/25	Mon 11/10/25
31	**CEQA**	**166 days**	**Tue 9/9/25**	**Tue 4/28/26**
32	Coordinate Project Description	10 days	Tue 9/9/25	Mon 9/22/25
33	**Technical Studies**	**20 days**	**Tue 9/23/25**	**Mon 10/20/25**
34	Biological Resources Assessment	20 days	Tue 9/23/25	Mon 10/20/25
35	Aquatic Deliniation	20 days	Tue 9/23/25	Mon 10/20/25
36	Noise Study Memorandum	20 days	Tue 9/23/25	Mon 10/20/25
37	Cultural Recources	20 days	Tue 9/23/25	Mon 10/20/25
38	Air Quality/Greenhouse Gas Emissions	20 days	Tue 9/23/25	Mon 10/20/25
39	**Caltrans Technical Documentation**	**20 days**	**Tue 10/21/25**	**Mon 11/17/25**
40	Natural Environmental Study (NES)	20 days	Tue 10/21/25	Mon 11/17/25
41	Biological Assessment	20 days	Tue 10/21/25	Mon 11/17/25
42	Administrative Draft Initial Study	40 days	Tue 11/18/25	Mon 1/12/26
43	Draft Initial Study/Mitigated Negative Declaration	20 days	Tue 1/13/26	Mon 2/9/26
44	City Review	10 days	Tue 2/10/26	Mon 2/23/26
45	Final Initial Study/Mitigated Negative Declaration	15 days	Tue 2/24/26	Mon 3/16/26
46	City Council Meeting	1 day	Tue 4/28/26	Tue 4/28/26
47	Regulatory Permiting	60 days	Wed 4/29/26	Tue 7/21/26
48	**Coastal Development Permit**	**123 days**	**Wed 4/29/26**	**Fri 10/16/26**
49	Prepare Application and Plan	30 days	Wed 4/29/26	Tue 6/9/26
50	Meeting with City Staff	1 day	Wed 6/10/26	Wed 6/10/26
51	Coordinate Approval	60 days	Thu 6/11/26	Wed 9/2/26
52	Staff CDP Decision	1 day	Thu 9/3/26	Thu 9/3/26
53	Appeal Period	30 days	Fri 9/4/26	Thu 10/15/26
54	CDP Final	1 day	Fri 10/16/26	Fri 10/16/26
55	**5. Construction Documents**	**289 days**	**Tue 9/9/25**	**Fri 10/16/26**
56	Prepare 65% PSE	45 days	Tue 9/9/25	Mon 11/10/25
57	Submittal Review	20 days	Tue 11/11/25	Mon 12/8/25
58	Caltrans Coordination	30 days	Tue 12/9/25	Mon 1/19/26
59	Outreach	30 days	Tue 1/20/26	Mon 3/2/26
60	Prepare 95% PSE	30 days	Tue 3/3/26	Mon 4/13/26
61	Submittal Review	20 days	Tue 4/14/26	Mon 5/11/26
62	Caltrans Coordination	30 days	Tue 5/12/26	Mon 6/22/26
63	City Council Meeting	1 day	Tue 6/23/26	Tue 6/23/26
64	Prepare 100% PSE	10 days	Wed 6/24/26	Tue 7/7/26
65	Caltrans Coordination	30 days	Wed 7/8/26	Tue 8/18/26
66	Project Ready to Bid	0 days	Fri 10/16/26	Fri 10/16/26



Project: Schedule - Preliminary
Date: Wed 1/15/25

Task | Milestone | Project Summary | Inactive Milestone | Manual Task | Manual Summary Rollup | Start-only | External Tasks | Deadline | Manual Progress
Split | Summary | Inactive Task | Inactive Summary | Duration-only | Manual Summary | Finish-only | External Milestone | Progress