

## Attachment A

# Rocks Road Bridge Replacement

## Scope of Work

New scope of work items that were not included in the original contract include the following:

- 1) Pre-design pot-holing and surveyed plan layout and profile of the existing Aromas water line that runs under the existing structure.
- 2) Revise both abutment footing and piles to accommodate the existing water line in place.
- 3) Revise abutment superstructure support details to conform to recent Memo to Designer 20-7 "Seismic Design of Slab Bridges," dated July 2015, which was issued by Caltrans after completion of 65% plans.
- 4) Incorporation of new RWQCB post-construction storm water treatment measures (issued after 65% plan completion) that are now to be included in the project.
- 5) Prepare Storm Water Control Plan and back up calculations to confirm performance requirements required by new RWQCB water treatment performance requirements (issued after 65% plan completion).
- 6) Environmental sub consultant, LSA, will prepare an environmental revalidation document following requirements from FHWA and Caltrans. LSA will update and resubmit permit applications.
- 7) Other added tasks are original scope services items including utility coordination and engineering that require more effort than was budgeted for in the original contract due to numerous geotechnical, environmental, site constraints, utility conflicts that were discovered during the design process.

### Task 1.1 Project Management

NV5 will continue to perform the activities necessary to plan, direct, and coordinate the work need to complete the environmental and design project.

### Task 3.0 Utility Coordination

Existing overhead telephone and power lines are in conflict with the proposed bridge and roadway. Also, a water line operated by Aromas Water District is in conflict with the bridge foundations. Based on discussions with PG&E, a temporary shoofly or other solution will need to be coordinated. NV5 will provide utility coordination with PG&E and AT&T to determine appropriate temporary and final overhead utility pole locations. We plan on working with the Aromas Water District to protect in place for the waterline.

## Task 7.6 CEQA/NEPA Document – Environmental Revalidation

This task includes the additional work for LSA to prepare an environmental revalidation document following requirements from FHWA and Caltrans as outlined in the Joint Federal Highway Administration-California Division/California Department of Transportation Regulatory Guidance on NEPA Consultation/Reevaluation dated June 15, 2007.

### 1. Initial Assessment/Caltrans Coordination

LSA will conduct an initial assessment of project impacts based on the revised project description and make a preliminary determination of what additional documentation will be required. LSA will then coordinate with Caltrans regarding these findings. It is expected that Caltrans will confirm the Technical Errata and Technical Studies described below will be sufficient.

### 2. Technical Errata

It is not expected that the revised project description will require substantial revisions or supplements to technical studies for the following:

1. Hazardous Wastes
2. Visual Resources
3. Noise

However, it will be necessary to review these studies in light of the revised project description and prepare brief technical errata documenting changes to the existing setting and alterations to the project design within the existing footprint and right-of-way. Changes to impacts and/or mitigation, if any, are expected to be minor.

### 3. Technical Studies

The following revised/supplemental technical studies will be prepared in support of the CEQA/NEPA revalidation

*Biology.* LSA will revise the existing Natural Environment Study (NES) to reflect the current project design. A key objective of the evaluation will be to revise the impact analysis to reflect the current design and to identify any new special-status plant or wildlife species, or sensitive habitats, that may be affected by the project that were not previously evaluated in the March 2013 Natural Environment Study (NES).

LSA will also prepare a Biological Opinion Revision Memorandum for Caltrans to submit to the USFWS to request verification that the findings from the existing April 7, 2014 Biological Opinion are still valid with the current design.

**Research/Coordination.** LSA will request a list of special-status species from the U.S. Fish and Wildlife Service (USFWS) and will query the California Natural Diversity Data Base and California Native Plant Society Online Database. As part of this process, LSA biologists will informally coordinate with the California Department of Fish and Wildlife (CDFW), National Marine Fisheries Service (NMFS), and/or USFWS, as necessary, regarding the potential presence of special-status species on the project site.

**Field Surveys.** LSA will conduct a general field survey of the project area to confirm that site conditions are consistent with the setting described in the May 2013 NES. LSA will also collect additional data to update the preliminary jurisdictional delineation.

**Documentation.** It is expected that revisions to the NES will generally be limited to updating the project description, including current lists for special status species, and updating the impacts analysis and associated mitigation measures (if any). The format of the NES will also be updated to the most recent Caltrans' Guidance (currently March 2018).

The Biological Opinion Revision Memorandum will detail the current project description and any changes to project impact to federally listed species.

**Cultural Resources.** LSA will conduct additional cultural resource studies that are needed for the County and Caltrans to address requirements of NEPA, CEQA, and Section 106 of the National Historic Preservation Act through guidance established in the Caltrans 2014 *First Amended Programmatic Agreement Among The Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance With Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federal-Aid Highway Program in California* (Section 106 PA).

#### Project History

**Built Environmental Resources:** The original Project would not impact adjacent built environment resources and therefore they were not included in the original Area of Potential Effect (APE). One building over 50 years old is adjacent to the original APE; however, the revised design will remain within the APE boundaries. Therefore, there are no built environment cultural resources adjacent to or within the project footprint that could potentially be affected by the proposed project and no further consideration of built environment resources is anticipated.

**Archaeological Resources:** Background research, a records search of the California Historical Resources Information System, a pedestrian field survey of the APE, and Native American consultation were conducted in 2012 for this Project. The field survey resulted in negative findings for archaeological cultural resources; however, there were tribal concerns about the Project being in an area designated as a sacred place.

## sHPSR and sASR

**Updated Records Search:** LSA conducted a records search (NWIC File # 11-0184) of the APE and a ¼-mile radius on August 19, 2011, at the Northwest Information Center (NWIC) of the California Historical Resources Information System, California State University, Sonoma. LSA will request an updated records search for all resources and studies submitted to the NWIC after August 2011 that are within the APE and a ¼-mile radius.

**Field Survey:** LSA will conduct a field survey to identify any archaeological resources or indicators of subsurface deposits within the APE that may have not been observed in 2011.

**Consultation/Coordination:** The original study identified one local tribal group that stated they had concerns about the Project: the Amah/Mutsun Tribal Band. LSA will contact this group by letter and follow-up telephone calls, as necessary, to provide the updated APE map and to share information about the Project design changes.

## Reporting

- LSA will prepare a revised APE map to Caltrans standards. The APE will depict the project design.
- LSA will prepare a sHPSR to Caltrans standards.
- LSA will prepare a sASR to Caltrans standards.

## 4. Environmental Revalidation (NEPA)

LSA will prepare an environmental revalidation document following requirements from FHWA and Caltrans as outlined in the Joint Federal Highway Administration – California Division/California Department of Transportation Regulatory Guidance on NEPA Consultation/Reevaluation dated June 15, 2007 (<http://www.dot.ca.gov/ser/vol1/sec4/ch33reeval/chap33reeval.htm>). As described above, LSA is of the opinion that the original documentation can be made valid with completion of the additional technical analysis described above in Tasks 1 through 3. Accordingly, page 2 of the NEPA/CEQA Revalidation form would be prepared with continuation sheets, as needed, to conclude the process. A revalidation does not require public circulation.

### **Task 9.1.1 Revise Abutment Details to Conform to July 2015 Memo to Designers 20-7 “Seismic Design of Slab Bridges” and for Piles to Avoid Water Main**

Revise abutment superstructure support details to conform to recent Memo to Designer 20-7 “Seismic Design of Slab Bridges,” dated July 2015, which was issued by Caltrans after completion of 65% plans. Create revised 65% and 95% Abutment Details and quantities.

## **Task 9.2 Perform Independent Check of Revised Abutment Superstructure Support and Pile Footing Revisions**

Provide independent check calculations for the revised abutment superstructure support details and revised abutment foundation details to accommodate existing water line. Revise check quantities.

## **Task 9.3.3 Incorporate Post Construction Storm Water Management Requirements**

The Central Coast Regional Water Quality Control Board (CCRWQCB) published new, more stringent requirements for post-construction storm water management after NV5 had completed the project drainage design. NV5 has confirmed with CCRWQCB that the project is required to satisfy these new requirements in order for the project to receive a Section 401 Water Quality Certification. NV5 will update the roadway and drainage design and PS&E to meet the Board's "Post-Construction Storm Water Management Requirements for Projects in the Central Coast Region".

## **Task 9.3.4 Develop Storm Water Control Plan**

Per the storm water requirements of the CCRWQCB, NV5 shall prepare a Storm Water Control Plan (SWCP) that demonstrates the project design meets the water quality treatment performance requirements of the CCRWQCB's "Post-Construction Storm Water Management Requirements for Projects in the Central Coast Region". The SWCP will include impervious surface areas, total new pervious area, a statement of water quality treatment performance requirements, a summary of site design and runoff reduction measures selected for the project, description of all post-construction storm water control measures, supporting calculations used to comply with the applicable water quality treatment performance requirements, documentation certifying that the selection, sizing, and design of the storm water control measures to meet the full or partial water quality treatment performance requirement and calculations used to comply with water quality treatment performance requirements and any analysis to support infeasibility determination.

## **Task 9.3.5 Pot Hole and Survey to Locate Existing Water Main Location for Revising Abutment Footing Details and Pile Locations.**

An existing 10-inch ductile iron water main (owned by Aromas Water District) crosses under Pinacate Rock Creek at the existing Rocks Road bridge crossing. Recent information indicates the water main cannot be relocated as originally expected by the County. At the County's request, the water line location will be pot-holed by EXARO and the abutment pile layout will be reviewed and revised to accommodate the water line location in its current position.

A water line plan and profile sheet will be prepared and revisions to the Abutment 1 and 2 footing pile details will be provided with revised 65% plan sheets. The 65% plan will be submitted to Aromas Water District for review. Following receipt of comments, the plan will be revised and incorporated into the 95% PS&E submittal for the project. Specifications will require necessary protective measure during pile installation.

### **Task 9.3 95% PS&E and Task 9.4 Final PS&E Submittal**

This task includes the additional effort needed to complete the 95% and final PS&E package. Comments on the 65% and 95% PS&E submittal made by San Benito County and Caltrans will be incorporated into the Final Plans, Special Provisions and Estimates, as appropriate.

The final drawings, special provisions, and estimates will be prepared in accordance with the Local Assistance Procedures Manual and presented to San Benito County at the completion of the design phase of the project.

### **Task 10.0 Right of Way Engineering**

This task includes the additional effort needed to complete the right of way engineering. The right of way engineering is required to develop the plats and deeds for the right of way acquisition. At this time, it appears right of way will be required from four parcels compare to the original assumption of only two parcels.

### **Task 11.1-11.7 Regulatory Agency Permitting**

This task includes the additional effort needed to update and revise the permit applications for submittal to the regulatory agencies. Permit applications were prepared in 2014. However, these permit applications will require revisions and updating. Additionally, since the permits were scoped in 2011, the USACE, CDFW, and RWQCB have added new regulations and requirements for permit submittal.

The project will affect wetlands and other jurisdictional waters in Pinacate Rock Creek which are under the jurisdiction of the Army Corps of Engineers (ACOE), Regional Water Quality Control Board (RWQCB), and California Department of Fish and Wildlife (CDFW). Based on this information, the permitting scope will include preparing and submitting application packages based on the project design for water resource permits from the ACOE, RWQCB, and CDFW.

- *RWQCB Section 401 (Clean Water Act) Water Quality Certification* – A Water Quality Certification will be required from the RWQCB for the proposed project to certify that the project is consistent with water quality goals and objectives. LSA will prepare an application package for submittal to the RWQCB. A processing fee must be included with the submittal (to be provided by the County, amount to be determined).
- *ACOE Section 404 (Clean Water Act) Nationwide Permit Verification* – The proposed project will result in discharge of material into waters of the U.S. and will require authorization from the ACOE. It is likely that any discharge resulting from the project can be authorized using Nationwide Permit (NWP) #14 – Linear Transportation Projects. LSA will prepare a Preconstruction Notification (PCN) for submittal to the ACOE requesting verification that the project can be authorized using the specified NWP.

Recently, the ACOE has initiated separate tribal consultation during the Section 404 permitting process, even if Section 106 consultation (including Native American consultation) was already completed for the project by another federal agency. We have budgeted 20 hours and a field visit to assist the County with tribal consultation (if necessary).

- *CDFW Section 1602 (Fish and Game Code) Streambed Alteration Agreement* –The proposed project will require notification of proposed streambed alteration to the CDFW. LSA will prepare an application package for submittal to CDFW. A processing fee must be included with the submittal (to be provided by the County, amount to be determined).

The RWQCB and CDFW will both require a final environmental (i.e., CEQA) document and Notice of Determination in order to process the 401 Certification and 1602 Streambed Alteration Agreement.

Similarly, the ACOE must comply with Section 7 of the Endangered Species Act and Section 106 of the National Historic Preservation Act prior to issuing a permit. If consultations pursuant to either Section 7 or 106 are required, they will be completed by Caltrans as part of the environmental review process. Therefore, the PCN will not be submitted to the ACOE until these consultations (if required) are completed by Caltrans.

### Section 2081 Incidental Take Permit (ITP) Documentation

Pursuant to direction from the California Department of Fish and Wildlife (CDFW), the County will need to obtain a Section 2081 Incidental Take Permit (ITP) to authorize impacts to State-threatened California tiger salamander. The ITP is required in addition to the Biological Opinion (BO) issued for the project by the U.S. Fish and Wildlife Service (USFWS), but will included much of the same information.

LSA will prepare an application for a 2081 ITP in accordance with Section 783.2 of the California Code of Regulations. LSA will rely heavily on the Biological Assessment prepared for this project, and the USFWS BO, during preparation of the ITP application. Once the ITP application is completed and has undergone internal review, LSA will submit the ITP application to CDFW on behalf of the County and follow up with CDFW throughout the review process.





**ROCKS ROAD BRIDGE REPLACEMENT - SAN BENITO COUNTY  
AMENDMENT No. 3 - ADDITIONAL FEE PROPOSAL**

May 2018

TASK	TASK DESCRIPTION	Principal In Charge \$250	Project Manager \$100	Discipline Lead \$170	Senior Engr \$140	Associate Engineer \$130	Assistant Engineer \$120	Junior Engr \$85	Survey Manager \$100	Over Man Crew - Equipment \$250	Team Man Crew \$100	CADD Tech \$120	Project Administrator \$90	INVS Labor Fee	Reimbursable	Note Total Fee	Successor/Starts	Total Fee
<b>9</b>	<b>Final Plans and Special Provisions</b>																	
	9.1 Intermediate (65%) PS&E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9.1.1 Bridge Design: Revisions: Memo 20-7 & Water Line affect on pile location	0	0	100	0	0	0	60	0	0	0	0	0	\$23,000	0	\$23,000	0	\$23,000
	9.1.2 Roadway Design	0	0	0	0	0	70	50	0	0	0	0	0	\$12,600	0	\$12,600	0	\$12,600
	9.1.3 Bridge Design Revisions: 95% PS & E	0	0	16	16	0	16	0	0	0	0	0	0	\$7,024	0	\$7,024	0	\$7,024
	9.1.4 Intermediate (65%) PS&E Subtotal	0	0	116	16	0	86	116	0	0	0	0	0	\$42,624	0	\$42,624	0	\$42,624
	9.2. Independent Design Check of Revised Design	0	0	0	60	0	0	12	0	0	0	0	0	\$9,420	0	\$9,420	0	\$9,420
	9.2. Subtotal - Task 9.2	0	0	0	60	0	0	12	0	0	0	0	0	\$9,420	0	\$9,420	0	\$9,420
	9.3 Response to Reviews / 95% PS&E for Added Items & Restian Project	0	16	0	16	0	40	70	0	0	0	0	0	\$14,066	0	\$14,066	0	\$14,066
	9.3.1A Update & Respond to Comments/ 95% PS&E Revisions (Roadway)	0	0	16	16	0	40	56	0	0	0	0	0	\$15,432	0	\$15,432	0	\$15,432
	9.3.1B Update & Respond to Comments/ 95% PS&E Revisions (Bridge)	0	0	0	0	0	0	0	0	0	0	0	0	\$0,000	0	\$0,000	0	\$0,000
	9.3.2 95% Subtotal	0	0	16	16	0	40	56	0	0	0	0	0	\$15,432	0	\$15,432	0	\$15,432
	9.3.3 Incorporate Post-Construction Stormwater	0	0	0	60	0	20	0	0	0	0	0	0	\$10,800	0	\$10,800	0	\$10,800
	9.3.4 Develop Stormwater Control Plan	0	0	0	65	0	20	20	0	0	0	0	0	\$16,364	0	\$16,364	0	\$16,364
	9.3.5 Water Main Location for Revisions of Bridge Foundations Design	0	4	4	16	0	12	154	0	20	0	0	0	\$3,716	0	\$3,716	0	\$3,716
	9.3.5 Subtotal - Task 9.3	0	4	4	16	0	12	154	0	20	0	0	0	\$68,942	0	\$68,942	0	\$68,942
	9.4 Final PS&E Subtotal	0	0	4	8	0	30	30	0	0	0	0	0	\$10,122	0	\$10,122	0	\$10,122
	9.4.1 Final Subtotal (Final Update for added items)	0	4	4	8	0	30	30	0	0	0	0	0	\$10,122	0	\$10,122	0	\$10,122
<b>10</b>	<b>Right of Way Engineering Services</b>																	
	10.0 Right of Way Engineering	0	0	0	0	0	0	0	30	0	0	0	0	\$5,940	0	\$5,940	0	\$5,940
	10.0 Subtotal - Task 10	0	0	0	0	0	0	0	30	0	0	0	0	\$5,940	0	\$5,940	0	\$5,940
<b>11</b>	<b>Regulatory Agency Permitting</b>																	
	11.1 Section 404, Nationwide Permit Authorization	0	0	0	0	0	0	0	0	0	0	0	0	\$0,000	0	\$0,000	0	\$0,000
	11.2 Section 401, Water Quality Certification	0	0	0	0	0	0	0	0	0	0	0	0	\$0,000	0	\$0,000	0	\$0,000
	11.3 Section 1602, Lake or Streambed Alteration Agreement	0	0	0	0	0	0	0	0	0	0	0	0	\$0,000	0	\$0,000	0	\$0,000
	11.4 Environmental Commitment Record	0	0	0	0	0	0	0	0	0	0	0	0	\$0,000	0	\$0,000	0	\$0,000
	11.5 2001 TTP	0	0	0	0	0	0	0	0	0	0	0	0	\$0,000	0	\$0,000	0	\$0,000
	11.6 Mitigation Bank Coordination	0	0	0	0	0	0	0	0	0	0	0	0	\$0,000	0	\$0,000	0	\$0,000
	11.7 Reimbursable Expenses	0	0	0	0	0	0	0	0	0	0	0	0	\$0,000	0	\$0,000	0	\$0,000
	11.7 Subtotal - Task 11	0	0	0	0	0	0	0	0	0	0	0	0	\$0,000	0	\$0,000	0	\$0,000
<b>12</b>	<b>Construction Bid Assistance</b>																	
	12.0 Construction Bid Assistance	0	0	0	0	0	0	0	0	0	0	0	0	\$0,000	0	\$0,000	0	\$0,000
	12.0 Subtotal - Task 12	0	0	0	0	0	0	0	0	0	0	0	0	\$0,000	0	\$0,000	0	\$0,000
	<b>TOTALS</b>	<b>5</b>	<b>98</b>	<b>168</b>	<b>261</b>	<b>0</b>	<b>264</b>	<b>322</b>	<b>30</b>	<b>20</b>	<b>0</b>	<b>8</b>	<b>32</b>	<b>\$163,292</b>	<b>\$4,270</b>	<b>\$167,562</b>	<b>\$81,602</b>	<b>\$249,164</b>