



TO: Mayor and Councilmembers

FROM: Charles W. Ebeling, P.E., T.E., Public Works Director

CONTACT: Gerald Comati P.E., Interim Deputy Public Works Director

SUBJECT: Amendment No. 4 to Agreement #2013-028 to with Drake Haglan and Associates for Environmental and Final Design Services Agreement for the Hollister Avenue Bridge Replacement Project

RECOMMENDATION:

Approve and authorize the City Manager to execute Amendment No. 4 to Agreement No. 2013-028 with Drake Haglan and Associates (DHA) for environmental, design, right of way and permitting services for the Hollister Avenue Bridge Replacement Project, increasing the contract amount by \$142,520 for a total not to exceed amount of \$2,015.856 and extending the termination date of the Agreement to June 30, 2021.

BACKGROUND:

The San Jose Creek Flood Control and Fish Passage Project will provide capacity for 100-year storm events as well as a fish-passable design though the length of the San Jose Creek concrete channel. The lower 4,100 linear feet has been completed. At the north end of the channel is the Hollister Avenue Bridge. This bridge contains reactive aggregate which is causing the structure to deteriorate rapidly. In addition, the bridge represents an obstruction to the 100-year storm capacity of the downstream channel. The bridge has been classified by Caltrans as both Structurally Deficient Functionally Obsolete, and bridge replacement funds have been programmed under the Federal Highway Bridge Program (HBP).

The services contracted in April of 2013 included a new environmental document as well as the design, right of way and permitting for the bridge replacement project. Only limited right of way needs were anticipated. A contract amendment was approved in 2015 to address the full scope of the required channel wall design (accommodating liquefaction potential and deep piles), inclusion of the relocation design for a sewer line, investigations into the location of historic bridge foundations beneath the existing bridge, performance of a Phase 1 Archeological Survey, and preparation of a bike path accommodation study. In 2017 an additional amendment was approved to provide environmental reports to support a NEAP Revalidation by Caltrans, additional right of way appraisals for independent of the Ekwill-Fowler Project, Caltrans dictated design

modifications, revisions to the channel fish passage design, and additional utility relocation coordination.

Funding for the Hollister Avenue Bridge Project (Project) is from the Federal Highway Bridge Program which will fund 88.53% of the project costs. The remaining 11.47% is funded through the City's transportation development impact fees (GTIP) and Measure A.

DISCUSSION:

The Hollister Avenue Bridge Project is now at the 95% design stage, permits have been secured from all but one of the resource agencies, and first offers have been made for all property necessary for right of way purposes. A number of out of scope environmental and right of way activities have been identified. These items are detailed below:

Modifications to Habitat Restoration Plan

Additional environmental services are needed for studies related to the Habitat Restoration Plan. A Habitat Restoration Plan for the bridge replacement project was drafted in August 2017. The draft plan has been used as the basis for negotiations with the Santa Barbara County Flood Control District and the adjacent property owners. Additional studies and exhibits are now needed to assist with the ongoing negotiations. A revised Habitat Restoration Plan will be prepared based on final permitting agency requirements. It is possible that the plan would need to incorporate restoration sites elsewhere in the City. In that case, Optional Services tasks as provided for in the budget will be implemented.

Additional Right-of-Way Mapping and Appraisals

Updated appraisals for properties south of Hollister Avenue are required. Additionally, appraisals and negotiations for Temporary Construction Easements need to be updated due to the age of the current appraisals and Caltrans requirements.

Additional Research and Analysis of Fish Passage Design

When the Phase 1 of the San Jose Creek Channel Capacity and Fish Passage improvement project was initiated, a preliminary design was completed for the full extent of improvement, from the southern terminus of the channel to the natural San Jose Creek upstream of Hollister Avenue. This design was utilized to develop hydraulic models for flood water capacity and fish passage. Following this, final design and subsequent construction was completed for the Phase 1 portion of the project, which extended from the southern terminus of the channel to the just downstream of the steel bridge over the channel. The Hollister Avenue Bridge project represents Phase 2 of the San Jose Creek Channel Capacity and Fish Passage improvement project completing the necessary flooding and fish passage improvements along the channel as well as replacing the structurally deficient Hollister Avenue Bridge over San Jose Creek

Channel. For the Phase 2 project, the design basis for fish passage was assumed to be the previously completed preliminary design and hydraulic modeling. However, the California Department of Fish and Wildlife is questioning the appropriateness of the fish passage design. Consequently, additional services are needed to conform the fish passage design elements with existing hydraulics models for the design required within the Phase 2 scope.

Staff has reviewed and negotiated the scope and cost for Amendment 4 and the resulting cost associated with Amendment 4 is \$142,520 for a new contract total in an amount not to exceed \$1,974,699. The costs associated with Amendment 4 will be funded 88.53% through Highway Bridge Program (HBP) as detailed below:

Amendment 4:			
Environmental, Design, Permitting and Right of Way	\$142,520	Federal HBP Funding (88.53%)	\$126,173
		Measure A (11.47%)	\$16,347
Subtotal	\$142,520	Subtotal	\$142,520
Total Contract			
Environmental, Design, Permitting and Right of Way	\$1,974,520	Federal HBP Funding (88.53%)	\$1,748,043
		City GTIP (11.47%)	\$ 226,477
Subtotal	\$1,974,520	Subtotal	\$1,974,520

The project construction cost estimate is currently \$12.1 Million. The proposed environmental, design, permitting and right of way services contract, including Amendment 1, amounts to approximately 16% of the total estimated construction cost which is within the industry norm for a project of this complexity and size.

Design is scheduled to be completed in 2021 Due to right of way activities and construction funding availability, construction of the Hollister Avenue Bridge Replacement Project is scheduled to commence in 2020 in conjunction with the Ekwil Street Extension Project.

ALTERNATIVES:

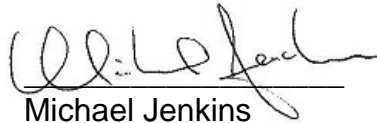
The Council may elect not to approve the funding for Amendment No. 4 for the environmental, design, right of way and permitting services and direct staff to focus on other priority projects. This would delay the design progress on the Project and could result in the loss of the programmed HBP funding.

FISCAL IMPACTS:

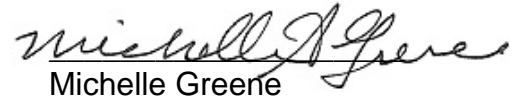
The Project is funded through the Federal Highway Bridge Program (HBP). Federal funding under this program amounts to 88.53% of all project related costs. The remaining 11.47% will be funded through the City's GTIP.

The adopted FY2018-19 Budget includes sufficient funds to cover this amendment; therefore, no additional appropriations are necessary.

Legal Review By:


Michael Jenkins
City Attorney

Approved By:


Michelle Greene
City Manager

ATTACHMENTS:

1. Amendment No. 4 to Agreement #2013-028 to with Drake Haglan and Associates for Environmental and Final Design Services Agreement for the Hollister Avenue Bridge Replacement Project

ATTACHMENT 1

Amendment No. 4 to Agreement #2013-028 to with Drake Haglan and Associates for
Environmental and Final Design Services Agreement for the Hollister Avenue Bridge
Replacement Project

**AMENDMENT NO. 4
TO A PROFESSIONAL SERVICES AGREEMENT
BETWEEN THE CITY OF GOLETA
AND
DRAKE HAGLAN ASSOCIATES, INC.**

This **Amendment No. 4** to a PROFESSIONAL DESIGN SERVICES by and between the **City of Goleta**, a municipal corporation ("City") and **DRAKE HAGLAN ASSOCIATES, INC., a California Corporation** ("Consultant") date April 16, 2013 ("Agreement," Agreement, No. 2013-028) is made this 5th day of March, 2019.

RECITALS

WHEREAS, this Agreement is for the professional design services in conjunction with the Hollister Avenue Bridge Replacement Project; and

WHEREAS, on April 16, 2013, the parties entered into an agreement for the total compensation amount not to exceed eight hundred sixty-five thousand seven hundred fifty-nine dollars (\$865,759) with a termination date of November 30, 2015; and

WHEREAS, on February 3, 2015, the Agreement was amended so as to provide additional compensation of \$617,307 ("Amendment No.1"); and

WHEREAS, on November 17, 2015, the Agreement was amended so as to extend the termination date of the Agreement to December 31, 2017("Amendment No. 2"); and

WHEREAS, on June 20, 2017, the Agreement was amended so as to provide additional compensation of \$390,270 and extend the termination date of this Agreement to June 30, 2019 ("Amendment No. 3"); and

WHEREAS, the Agreement between City and Consultant currently provides in Section 3 Subsection (a) for the total compensation amount not to exceed one million eight hundred thirty-two thousand one hundred seventy-nine dollars (\$1,832,179); and

WHEREAS, the parties desire to amend the Agreement so as to provide for additional compensation in the amount of one hundred and forty-two thousand and five hundred and twenty dollars (\$142,520) for additional tasks in conjunction with the Hollister Avenue Bridge Replacement Project; and

WHEREAS, the Agreement between City and Consultant currently provides in Section 6 for the termination of the Agreement of June 30, 2019; and

WHEREAS, the parties desire to amend the Agreement so as to extend the termination of the Agreement to June 30, 2021; and

WHEREAS, the Agreement between City and Consultant currently provides in Exhibit A entitled "Scope of Work" the complete and particular description of services as set forth for Consultant; and

WHEREAS, the parties desire to amend Exhibit A of the Agreement by adding additional services related to preparation of the Habitat Restoration Plan, necessary additional right of way engineering and appraisal services and additional creek channel design work as more completely and particularly set forth in the Scope of Work, attached as Exhibit "A-1"; and

WHEREAS, the City Council approved this Amendment No. 4, on this 5th day of March, 2019.

AMENDED TERMS

Now therefore City and Consultant agree as follows that the Agreement be, and hereby is, amended as follows:

1. **Section 3 Subsection (a). COMPENSATION AND PAYMENT** of the Agreement is amended to add an additional authorized amount of \$142,520 and to read in its entirety:

(a) **Maximum and Rate.** The total compensation payable to CONSULTANT by CITY for the services under this AGREEMENT **SHALL NOT EXCEED** the sum of \$1,974,520 (herein "not to exceed amount") and shall be earned as the work progresses.

2. **Section 6. TERM, PROGRESS AND COMPLETION** of the Agreement is amended to extend the term for an additional twenty-four months to read in its entirety.

The term of this Agreement is from the date first written above to June 30, 2021, unless the term of this Agreement is extended or the Agreement is terminated as provided for herein.

CONSULTANT shall not commence work on the services to be performed until (i) CONSULTANT furnishes proof of insurance as required by Section 10 below, and (ii) CITY gives written authorization to proceed with the work provided by CITY's Project Manager. All services shall be completed within the term of this Agreement following the notice to proceed.

3. This Agreement is amended to deleted and replace in its entirety:

Exhibit A "Scope of Work" with **Exhibit A-4 "Scope of Work"** attached hereto and incorporated herein.

4. Except as otherwise specifically provided herein, all other provisions of the Agreement shall remain in full force and effect.

In concurrence and witness whereof, this Amendment No. 4 has been executed by the parties effective on the date and year first above written.

CITY OF GOLETA

CONSULTANT

Michelle Greene, City Manager

Dennis Haglan, President

ATTEST:

Deborah Lopez, City Clerk

Craig Drake, Chief Financial Officer

APPROVED AS TO FORM



Winnie Cai, Assistant City Attorney

Exhibit A-4 SCOPE OF WORK

This scope of work describes the tasks required to prepare and deliver the construction documents for the Hollister Avenue Bridge Replacement Project. Drake Haglan & Associates is the prime engineering consultant leading all tasks, and directing a team of subconsultants for certain tasks. DHA shall assure that all tasks are completed regardless of any designation for primary responsibility. The firm with primary responsibility for each task is indicated in parentheses for each task. The firms are designated as follows:

Drake Haglan & Associates, Inc. (DHA)

Hamner, Jewell and Associates (HJA)

MNS Engineers, Inc. (MNS)

URS Corporation (URS)

Fugro Consultants, Inc. (Fugro)

David R. Black & Associates (DBA)

Rincon Consulting (RINCON)

"Consultant shall mean DHA."

Task 1: Management and Quality Control:

1.1 Project Management (DHA)

Consultant shall manage the project by tracking the schedule, budget, and value of the products produced.

Consultant shall create and maintain an "issues log" for the project, including issue, the responsible decision-maker for that issue, and the date the decision was made; transmit issues log to the City on a regular basis.

Consultant shall prepare progress summary reports to be submitted monthly. Progress summary reports shall identify work completed to date, work anticipated for the next month, and action items necessary to keep the project on track and moving forward, in bullet point format.

1.2 Schedule and Facilitate Meetings (DHA)

Consultant shall schedule, chair, and prepare meeting agendas and notes for Project Development Team (PDT) meetings. Consultant shall submit agendas for review prior to the meetings. Distribute notes to all attendees, everyone who was invited, and the City's Project Manager within five (5) working days after the meeting. Include in the notes a list of attendees with phone numbers and email, a synopsis of discussion items, any pertinent information, decisions made, action items, and follow-up to action items. Assume that most PDT meeting will be conference calls, with face-to-face meetings as needed.

Consultant shall attend and present information, as required, at meetings with the City's Project Team, with stakeholder groups, or before the City Council.

1.3 Develop and Update Project Schedule (DHA)

Consultant shall prepare a project schedule utilizing Microsoft Project. Provide an updated project schedule and reports of progress at a minimum of monthly intervals. The schedule will show plan

check submittals at the 35% (Concept Review), 65% (Check Plans & Specs), 95% (Check PS&E) and Final stages for City review and comment. The schedule will also include milestones for bidding support, construction support and construction timing as line items.

Consultant shall provide full detail of schedule tasks and subtasks, including City function timeline, critical path, and other outside sources such as right-of-way, relevant City Council meetings, Caltrans review periods and reviews periods by outside agencies. The schedule will indicate anticipated durations for all tasks and review periods.

Consultant shall integrate the Hollister Avenue Bridge Replacement project schedule into the Ekwill Fowler Project schedule.

1.4 Quality Assurance /Quality Control (DHA)

Consultant shall conduct Quality control reviews prior to the following submittals:

- General Plan and Bridge Type Selection
- 65% Plan Submittal
- 95% PS&E
- Final PS&E

Consultant shall review plans for compatibility between design disciplines, including a Road Plan Review as described in the Caltrans Memo to Designers 2-25. Review plans for consistency with the Ekwill-Fowler project.

Consultant shall review the Structure plans prior to the 65% Plan Submittal for compliance with the geotechnical recommendations.

1.5 Additional Project Management (Amendment 1);

Consultant shall provide additional project management time required for the oversight of the channel wall design, sewer relocation design, and hazardous material structure survey work. Consultant shall provide internal quality control on these items prior to submitting any deliverables to the City.

1.6 Additional Project Management (Amendment 3):

Consultant shall provide additional project management time required for the oversight of the of the NEPA revalidation, the reworking of the right of way mapping, appraisals and acquisitions, the changes to the roadway, bridge and channel design and the logistics of the additional Caltrans submittal. DHA will provide internal quality control on these items prior to submitting any deliverables to the City.

Deliverables:

- Monthly progress reports with action item log and schedule update
- Meeting Agendas and Notes for meetings held at City office (4)
- Bi-weekly PDT Phone Conferences Agendas and Notes
- Project ftp site instructions & QC checklists with milestone submittals
- QA/QC Checklist

Task 2: Environmental Review for CEQA/NEPA and Technical Studies (URS):

The environmental documents for this project are a Categorical Exclusion with Technical Studies for NEPA, and an MND for CEQA. Prior CEQA studies (IS/MND) will be utilized to streamline the preparation of the environmental documents.

Review CEQA/NEPA Strategy with Caltrans

Consultant shall consult with the City to determine whether an addendum or new MND is the best choice for the Project's CEQA documentation, and if a Categorical Exclusion (CE) with Technical Studies can satisfy NEPA.

In anticipation of a CE, Consultant shall prepare a jurisdictional delineation, and update the California Red-Legged Frog, floristic and other wildlife biological surveys of the Hollister Avenue Bridge location. Using these updated and new biological studies, prepare an NES-MI and a Biological Assessment for steelhead critical habitat and the California red-legged frog. Consultant shall prepare other technical studies and memoranda based on existing data contained in the previous San Jose Creek Project MND and Addendum, with new studies as needed. Consultant shall utilize technical studies prepared in support of the Ekwil-Fowler Project EIR and NEPA Categorical Exclusion as these studies contain baseline data and evaluated construction-related impacts in the area immediately upstream of the existing Hollister Avenue Bridge. Consultant shall prepare all technical studies in accordance with the Caltrans SER.

Visual Impact Assessment (VIA) Report

Consultant shall prepare a Visual Impact Assessment technical memorandum that references and includes the VIA prepared for the Ekwil-Fowler project as an appendix. The technical memorandum shall include a description of the existing visual setting, updated for future improvements that will be constructed as part of the Ekwil-Fowler Project, and assess potential visual impacts from the bridge replacement project.

Jurisdictional Delineation Report

Consultant shall conduct a renewed delineation of San Jose Creek in the vicinity of Hollister Avenue. Qualified biologists shall visit the channel of San Jose Creek within 100 feet upstream and downstream of the project area, and delineate the boundaries of the riparian corridor, as well as the limits of the ordinary high water, using sub-meter accurate GPS technology. Map the jurisdictional limits of the USACE and CDFG in the project, as well as the limits of the City's ESHA. Where field observations suggest that three-parameter wetland conditions may be present, wetland boundaries shall be delineated in accordance with the field procedures set forth in the USACE's Wetland Delineation Manual.

Following completion of the field delineation, Consultant shall prepare a Jurisdictional Delineation Report containing accurate, quantitative descriptions of the site's jurisdictional waters, including maps prepared in accordance with the USACE's most current specifications. Submit the Jurisdictional Delineation Report in draft form for review. The final version shall be an appendix to the MND, providing substantial evidence for the CEQA analysis of impacts to the creek. The report shall also accompany the USACE, CDFG, and Central Coast RWQCB permit applications described under Task 9.

Floristic and Breeding Bird Surveys

Consultant shall conduct focused surveys for plants and breeding birds and document findings. Conduct a single field visit to the site during the spring nesting season in April or May, 2013.

Consultant shall survey all areas within 100 feet upstream and downstream of the project area, and document all plants and wildlife observed. Consultant shall perform the bird survey with a biologist qualified to identify Santa Barbara County birds by sight and sound, scanning the survey area with binoculars and listening for vocalizations. Consultant shall conduct the floristic survey with a qualified botanist, thoroughly investigating the survey area on foot and compiling a list of all plant species present.

Consultant shall prepare a brief letter report presenting the results of the biological survey. The letter report shall contain a map illustrating the project area and the limits of the area surveyed, as well as locations of any sensitive resources detected. The letter report shall be cited in the MND to substantiate the baseline environmental conditions regarding biological resources, and shall also be included as an appendix to the NES-MI for the project.

California Red-legged Frog Protocol Surveys and No-Effect Letter

Consultant shall conduct and document renewed surveys for California red-legged frog during the 2013 season, using the most recent USFWS survey protocol. The survey effort will be led by a qualified biologist holding a valid Section 10(a)(1)(A) recovery permit for this species.

As per the survey protocol, a total of two (2) daytime surveys and four (4) nighttime surveys are to be conducted during the breeding season to be concentrated between February 25 and April 30 to meet protocol recommendations and complete the efforts as early as possible, and an additional one daytime survey and one nighttime survey are proposed during the non-breeding season, after July 1. As required by the survey protocol, separate the nighttime surveys by at least one week's time, although daytime and nighttime surveys may be conducted on the same day.

Consultant shall document the surveys in a brief letter report that includes project location, methods, results, and a map of the survey area, illustrating the locations of any California red-legged frogs detected. Consultant shall cite this letter report in the Biological Resources section of the MND, and also place it in an appendix to the NES-MI for the project.

Consultant shall prepare a draft "no effect" determination letter, using the Caltrans template, and submit to the FHWA (Caltrans) for finalization. Provide a copy of the final letter to the USACE as a part of the Section 404 application process (see Task 9).

Natural Environment Study (Minimal Impacts)

Consultant shall prepare a Natural Environment Study (Minimal Impacts) (NESMI), in conformance with Caltrans' Standard Environmental Reference. The NESMI shall contain the following information:

- Executive Summary
- Introduction, explaining the purpose of the project and the NESMI
- Description of the study methods used to determine project impacts in the NESMI
- Description of the project's environmental setting, focusing on existing biological resources
- Analysis of the project's impacts on biological resources
- Discussion of avoidance, minimization, and mitigation measures proposed; measures shall be identical to those identified in the Biological Resources section of the MND
- A list of regulatory permits required for the project
- A bibliography of references cited

Consultant shall include the technical reports presenting results of the jurisdictional delineation, California red-legged frog surveys, nesting bird survey, and floristic survey in the NESMI as

appendices, along with the biological technical documents prepared to accompany the original project MND and first Addendum.

Biological Assessment (BA)

Consultant shall prepare a Biological Assessment (BA) evaluating the effects of the proposed action on designated critical habitat for the southern steelhead and California red-legged frog.

Historic Properties Survey Report (HPSR)

Archaeological Survey Report (ASR)

Supplemental Historic Resources Evaluation Report (HRER)

Consultant shall document the findings of prior studies of the Ekwil-Fowler Project in a negative short form HPSR for the proposed bridge replacement project. Coordinate with the Caltrans' cultural resources specialist at the beginning of the environmental review.

Initial Site Assessment (ISA) Checklist

Consultant shall prepare an ISA checklist in accordance with the Caltrans SER, including the following:

- Interviews with past and present owners, operators, and occupants;
- Review of historical sources of information, such as aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records;
- Review of government records, including regulatory reports for both the subject properties and nearby or adjoining properties;
- Visual inspection of the subject properties and of adjoining properties; and
- Documentation of research, observations and results of the environmental inquiry in a written report.

Noise Impact Analysis and Technical Memorandum

Consultant shall use construction equipment lists and other data to predict construction noise levels at nearby sensitive receptors. Consultant shall incorporate the results of this analysis into the CEQA document, to be reviewed by Caltrans during preparation of the NEPA CE. If Caltrans requires, present the noise analysis in a technical memorandum.

Water Quality Technical Memorandum

Consultant shall prepare a technical memorandum to fulfill relevant data requirements of the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA), and provide information, to the extent possible, for the National Pollution Discharge Elimination System (NPDES) permitting.

The technical study will include a discussion of the proposed project, the physical setting of the project area, and the regulatory framework with respect to water quality. It also will provide data on surface water and groundwater resources within the project area and their water quality health, describe water quality impairments and beneficial uses, identify potential water quality impacts/benefits associated with the proposed project, and recommend avoidance and/or minimization measures for potentially adverse impacts.

Greenhouse Gas / Air Quality Technical Memorandum

Consultant shall quantify project emissions using CALEE Mod or Urbemis, summarize the results in a technical memorandum and incorporate the results into the CEQA document.

Deliverables

- MND
- Visual Impact Assessment Technical Memorandum
- Jurisdictional Delineation Report
- Floristic and Wildlife Survey Letter Report
- CA Red-Legged Frog Protocol Survey Report and No Effect Letter
- Natural Environmental Study (Minimal Impacts)
- Historic Property Survey Report (short form)
- Initial Site Assessment Checklist
- Noise Impact Analysis and Technical Memorandum (if required)
- Water Quality Technical Memorandum
- GHG / Air Quality Technical Memorandum

Task 2.1: Expanding the NES/MI (Amendment 1):

The existing scope is modified to include expanding the NES/MI to a full NES as requested by Caltrans. This shall include additional studies including a protocol survey for bats found nesting under the bridge (Fall Survey, Spring Survey and Summer Survey) and a brief preliminary report within 30 days of the fall survey and a final report within 30 days of summer survey. The NES shall also include findings from past studies regarding the negative presence of Least Bell's Vireo. Preparation of the NES to include up to 10 figures as a part of the NES and up to six hours of consultation calls to discuss results of the NES and bat surveys. A Phase I Archaeological Survey along with the associated report will also be prepared. This work will be completed by URS under the direction of the Consultant.

Task 2.1 Deliverables:

- Natural Environmental Study (NES)
- Protocol Surveys for Bats
- Phase 1 Archeological Survey

Task 2.2: Environmental Review for CEQA/NEPA and Technical Studies (Amendment 3):

The existing scope is modified to include NEPA revalidation that adds contaminated soils studies, community impacts and a contaminated soils management plan.

Task is also expanded to provide for increased permitting support due to expanded construction work areas.

Task 2.2 Deliverables

- Community Impacts Memo
- Expanded ISA
- Contaminated Soils Management Plan

Task 2.3: Modify Habitat Restoration Plans and Permits (RINCON) (Amendment 4):

Develop exhibits to assist with negotiations with property owners, public agencies and property owners.

Complete the Habitat Restoration Plan previously drafted in August 2017. Provide support to the City for negotiations with the Santa Barbara County Flood Control District and the property

owner as needed to ensure the restoration can be implemented in its currently proposed location, upstream of the bridge on the east side of Old San Jose Creek. If the current design is feasible, the Habitat Restoration Plan will remain as is. If changes are required that only minimally impact the design, the Habitat Restoration Plan will be revised and one electronic draft will be distributed to the Project team for review.

Comments from the Project team will be incorporated and a final electronic Habitat Restoration Plan will be produced. If the currently proposed restoration site cannot be retained, thereby requiring the movement of the restoration site to another location, an entirely new Habitat Restoration Plan as described in Optional Task 2.3 will be prepared.

The applicable resource agencies (U.S. Army Corps of Engineers, California Department of Fish and Wildlife (CDFW), and the Central Coast Regional Water Quality Control Board [CCRWQCB]) will be notified to make them aware that the previously approved Habitat Restoration Plan has been updated. Coordinate the submittal of the revised Habitat Restoration Plan to the agencies, including a short presentation of the updated plan and answering any questions that may arise during agency review. It is assumed that the agencies will have limited input and questions on the revised Habitat Restoration Plan and that minimal revision will be required after agency review.

Rincon will provide permitting support as needed to aid in the completion of the project permitting efforts conducted thus far. The proposed scope of work is assumed to conclude in December 2020:

- One person to attend the bi-weekly Project team meetings to ensure permitting support efforts are understood and conducted in a timely fashion. Assumes 2 meetings per month, for 26 months, for a total of 52 meetings.
- Summarize the timing and conditions of the permits obtained thus far into a compliance matrix and will secure the extension of any approved permit that may be expiring prior to the initiation of construction.
- Update project contacts for all permits.
- Prepare an annual report for the Project as recently requested by CCRWQCB in August 2018.
- Assist with securing the CDFW Streambed Alteration Agreement, specifically by assisting with coordinating the fish passage approval process in fall 2018. Anticipated tasks for this effort include attending meetings with CDFW and the project team and reviewing the fish passage design memo.

Task 2.3 Deliverables

- Updated Habitat Restoration Plan
- Exhibits Supporting Presentation of the Plan
- Compliance matrix
- Permit extensions
- Updates to agency contacts on permits
- Annual report for CCRWQCB
- Coordinate fish passage process

Task 2.3 Optional: Habitat Restoration Plan (RINCON) (Amendment 4):

If the currently proposed restoration site cannot be retained, thereby requiring the movement of the restoration site to another location within the City, an entirely new Habitat Restoration Plan

will be prepared. The new Habitat Restoration Plan will be modeled after the existing Habitat Restoration Plan, and will include the restoration approach, performance criteria, and the maintenance and monitoring plan. If a new Habitat Restoration Plan is warranted, one electronic draft will be provided for review. Comments from the Project team, which are assumed to be limited, will be incorporated and a final electronic Habitat Restoration Plan will be produced. Funds associated with this optional task will only be used with prior approval by the City.

Task 2.3 Deliverables

- New Habitat Restoration Plan

Task 2.3 Optional: Additional Permitting support (RINCON) (Amendment 4):

It is anticipated that all required services will be completed within the authorized budget. However, based on past project history, there could be permitting efforts not yet known, such as additional studies requested by the agencies or further agency coordination efforts that may be required prior to construction. This optional services task will only be used with prior approval by the CITY.

Task 2.3 Deliverables

- As Needed

Task 3: Supplemental Surveying for Base Mapping and Hydraulic Analysis (MNS);

3.1 Field Surveys and Topographic Mapping (MNS)

Consultant shall review existing topographic mapping, boundary, right-of way and easement mapping for the adjacent Hollister Avenue/Highway 217 roundabout project and fill in additional survey data as necessary to complete the base map for design, hydraulic analysis, and ROW engineering of the bridge replacement project, including:

Corridor Mapping: Consultant shall conduct a field survey of the roadway corridor from the east side of Kellogg Avenue, easterly to the west side of the Highway 217 Bridge. The width coverage is from back of walk to back of walk. Locate all hardscape features including observable utilities and pipe inverts, trees, and lane striping.

Bridge Mapping: Consultant shall conduct a field survey of the existing Hollister Avenue Bridge and the bridge 100-feet south of the Hollister Avenue Bridge. Locate bridge decks, soffits, piers, walls and visible utilities.

San Jose Creek Mapping: Consultant shall conduct a field survey of the creek corridor, 200 feet wide (100 feet east and west from creek centerline) from 120 feet north of the north edge of Hollister Bridge to 120 feet south of the south edge of the southerly bridge over San Jose Creek.

San Jose Creek Cross-Sections: Consultant shall conduct a field survey of the creek cross-sections which will include five sections north of the Creek Mapping Area. Sections will extend 50 feet east and 50 feet west from creek centerline.

Consultant shall prepare new base map and surface for design.

Deliverables

- Base mapping for bridge foundation plan
- Creek mapping

- Creek cross sections and creek profile

Task 3.2 Supplemental Surveying for Base Mapping and Hydraulic Analysis (Amendment 1):

Under the direction of DHA, MNS will fill-in additional survey data as necessary to complete the base map for the channel wall design and ROW engineering. The following tasks will be completed:

- Sewer Relocation: Field survey of the existing sewer manholes and inverts for design purposes. Review the sewer line relocation situated within the property known as Bottiani Properties (APN: 071-140-046) for possible easement acquisition for Goleta Sanitary Sewer District.
- San Jose Creek Mapping: Field survey of the creek corridor and channel transition 50' south of the steel bridge and continuing 100' south to the project limits.
- San Jose Creek Cross-Sections: Field survey of creek cross-sections will include four sections at 25' intervals starting 50' south of the steel bridge and continuing south to the project limits.
- Update Base Map: Prepare new base map and update surface for design.

Task 4: Materials and Foundations Reports – Fugro:

Consultant shall prepare a Materials and Foundations Report to support the design of the pavement structural sections and bridge foundations.

Consultant shall prepare a Preliminary Foundation Report, including discussions and geotechnical considerations for alternative foundation types for the new bridge. Provide the PFR in PDF format.

Consultant shall prepare a Geotechnical Report for the project. Submit the draft report in PDF format. Include graphics showing the site location, locations of field explorations, and interpreted subsurface profile along the alignment(s) with the report. Include field and laboratory data obtained from the geotechnical study in the report.

Consultant shall include the following opinions and recommendations for the roadway in the report:

- Slope inclinations for the design of cut and embankment slopes;
- Embankments including suitability of excavated materials for use as fill, moisture control, erosion control and drainage considerations, expansive soils, estimated settlement and special treatments to reduce settlement, if needed;
- Corrosion considerations for culverts and buried concrete structures (cement factors, pipe thickness, and need for coatings);
- Earthwork factors for onsite materials that are excavated and replaced as compacted fill; and
- Structural sections for asphalt concrete pavements based on traffic indices used for the project.
- Consultant shall include the following opinions and recommendations regarding the bridge foundation design in the report:
 - Soil and groundwater conditions encountered;
 - Site geology, faulting and seismicity;

- Seismic design criteria and recommended ARS Curve for use with Caltrans design methods;
- Liquefaction potential and considerations relative to foundation design (negative skin friction and estimated seismic settlement of approaches and pile foundations, if needed);
- Corrosion considerations for design of subsurface structures (minimum cement factors estimated in accordance with Caltrans guidelines);
- Scour, grain sizes for samples of riverbed materials, and mean particle size of thalweg material;
- Specified tip elevation, settlement, and size for foundation types and class of pile loading considered (up to 2 pile types can be considered within proposed level of effort);
- Lateral capacity plotted as shear, moment and deflection versus depth for a single pile foundation under free-head and fixed-head conditions based on p-y analysis;
- Pile spacing and group reduction factors for vertical and lateral loads, if needed;
- Lateral earth pressures, spring constants, and passive pressure resistance for abutment design;
- Special considerations for approach fill settlements: allowable slope inclinations, waiting periods, and need for monitoring; and
- Construction considerations: need for dewatering, pile driving, CIDH pile construction, adjacent structures, temporary excavations, and shoring.

Consultant shall prepare the Log of Test Borings sheets for the bridge on Caltrans standard plan sheets for logs of test borings, modified to incorporate the City's plan sheet border. Submit a copy of the LOTB with the draft Geotechnical (Bridge Foundation) Report.

Consultant shall respond to review comments and incorporate them into the final Geotechnical Report and Log of Test Borings sheet. Submit the final report with an electronic copy of the LOTB.

Deliverables

- Draft Geotechnical Report
- Final Geotechnical Report
- Log of Test Borings Sheets

Task 4.1 Geotechnical Services for Channel Walls (Amendment 1):

Under the direction of DHA, and using the existing geotechnical data in the area acquired by Fugro and others, Fugro will provide geotechnical design parameters and lateral earth pressures for the channel walls. The design of the channel walls will follow United States Army Corps of Engineers (USACE) design methods, where applicable (note that USACE design methods do not address soil nail walls). The following geotechnical engineering evaluations and recommendations will be provided in a written report:

- Summary of subsurface soil and groundwater conditions and idealized soil profile(s) for the portions of the channel that are part of this work;
- Evaluation of geologic hazards consisting of faulting and ground rupture potential, strong ground shaking and peak horizontal ground acceleration for Operational Basis Earthquake (OBE) and Maximum Design Earthquake (MDE) conditions (developed using the USGS PSHA deaggregations web application), liquefaction potential, seismic settlement, and a qualitative evaluation of lateral spreading hazards;

- Static active, at-rest, and passive lateral earth pressures in accordance with USACE design criteria for retaining walls;
- Estimated dynamic lateral force increments for OBE and MDE conditions Estimated lateral earth pressures for liquefaction conditions;
- Static and seismic limit equilibrium global slope stability analyses of the channel walls and for the various design conditions;
- Recommendations for soil nail size, lengths and spacing for the upstream channel walls and transition zone;
- Corrosion potential; and
- Construction considerations

Locate Old Bridge Foundations: Under the direction of DHA, Fugro will use a truck mounted geoprobe rig to push through the existing asphaltic pavement section and underlying soil to a depth of approximately 25 to 30 feet in the area where foundation locations for the replacement bridge may be in conflict with the abandoned foundations. A total of 8 ground probes are proposed and additional probes, if time permits, to fill a single work day defined by the hours of the encroachment permit will be performed. The actual limits, number, and locations of the individual ground probes will be adjusted based on site conditions and potential conflicts with underground utilities. We have assumed that the pavement structural section consists of asphalt concrete and aggregate base and that pre-coring the probing locations is not needed. Prior to mobilizing the field equipment, we will contact Underground Service Alert (USA) for utility clearance and confirm probing locations with the design team. We will also coordinate with the City of Goleta to obtain an (no-fee) encroachment permit for the work. Traffic control will be needed to perform the work and may include lane closures. Our fee estimate assumes that one eastbound lane will remain open during the duration of the probing work. We have assumed all of the work can be performed during standard daytime hours for work in the right of way (9:00 am to 4:00 pm).

Asbestos/Lead-Containing Paint Survey: Under the direction of DHA, Geocon will survey existing Hollister Avenue Bridge and the adjacent private bridge over San Jose Creek for suspect asbestos and lead-containing paint (LCP).

Field work includes up to 16 asbestos samples for Polarized Light Microscopy (PLM) analysis, 4 asbestos samples for point count (400 pts), 6 paint samples for total lead, and 4 paint samples for soluble (WET or TCLP) lead on standard laboratory turnaround times.

Task 4.1. Deliverables

- Channel Wall Geotechnical Report
- Prepare Draft Asbestos/LCP Survey Report for Client review.
- Prepare Final Asbestos/LCP Survey Report.

Task 5: Location Hydraulics Study (MNS):

Using the existing HEC-RAS output data, Consultant shall complete a Location Hydraulic Study to conform to the requirements described in 23 CFR 650A, Section 650.111(b) (c) (d).

The report shall describe potential impacts to residences, other buildings, crops, Emergency or Evacuation Route, Emergency Vehicle Access, Practicable Detour Available, Approximate Duration of Traffic Interruption for Base Flood (Q100), including a discussion of the following items:

- Risk associated with implementation of the action
- Impacts on natural and beneficial floodplain values

- Support of probable incompatible floodplain development
- Measures to minimize floodplain impacts associated with the action
- Measures to restore and preserve the natural and beneficial floodplain values impacted by the action
- Practicability of alternatives to any significant encroachment
- Practicability of alternatives to any longitudinal encroachment
- Deliverables
- Location Hydraulic Study

Task 6: Summary Floodplain Encroachment Report (MNS):

Consultant shall prepare a Summary Floodplain Encroachment Report based on results of the Location Hydraulic Study and in accordance with Caltrans content requirements.

Task 6 Deliverables

- Summary Floodplain Encroachment Report

Task 7: Hydrology and Hydraulics Study (MNS):

Consultant shall review and confirm that the existing San Jose Creek Capacity Improvement Project hydraulic analysis is acceptable for use in this project. The existing model will be used as the baseline condition for the existing bridge for the hydraulic study.

Using the existing HEC-RAS model, Consultant shall analyze the proposed bridge configuration and prepare a bridge hydraulics report. Include FEMA floodplain mapping and topographic mapping in the report.

Deliverables

- Draft Hydrology and Hydraulics Study
- Final Hydrology and Hydraulics Study

Task 7.1: Channel Fish Passage Analysis and Verification (Amendment 3):

Review available data from existing channel design to ensure conformance with the original fish passage design. Incorporate any changes agreed to by the City.

Task 7.1 Deliverables

- Technical memo documenting conformance with original channel design
- Updates plans to reflect current design

Task 7.2: Channel Design Modifications for Storm Performance (Amendment 3):

Design and detail changes needed to modify articulated mat anchorage details to withstand high turbulent flow in the channel.

Task 7.2 Deliverables

- Channel Mat Anchor Details

Task 7.3: Channel Fish Passage Analysis and Verification (Amendment 4):

Due to deficiencies in technical data available for prior approved San Jose Creek fish passage design, perform analysis Provide Technical Memo that confirms compliance with prior approved fish passage design for the San Jose Creek Capacity Improvement Project. Develop exhibits to illustrate channel grading, develop details for fish passage that conform to the prior approved fish passage project.

Task 7.3 Deliverables

- Technical memo documenting conformance with original channel design
- Updates plans to reflect current design

Task 8: General Plan and Bridge Type Selection (DHA);

Consultant shall prepare the bridge and approach roadway alignment according to the layout of the SB 217 roundabout of the Ekwill/Fowler project. Consultant shall prepare and submit a geometric alignment drawing (GAD) showing the horizontal alignment and vertical profile conforming to the SB 217 roundabout. Consultant shall prepare a Bridge Type Selection study in accordance with Caltrans Memo to Bridge Designers 1-29. Revise and resubmit the bridge General Plan and geometric alignments with responses to the City review comments.

Consultant shall prepare and submit a letter report documenting the Bridge Type Selection for transmittal to Caltrans.

Upon approval of the project GAD and Bridge General plan by the City and Caltrans, Consultant shall prepare the project description for the environmental document. Finalize the Bridge General Plan and circulated in PDF format to the City and other agencies and stakeholders as necessary.

Consultant shall assemble the information developed during the preliminary bridge and roadway studies into a technical memorandum that includes:

- Summary including preliminary plans, right-of-way (temporary easements), construction staging and access, utility relocation and accommodation, and anticipated design exceptions
- Discussion of the pros & cons of each bridge type (Type Selection Memo)
- Preliminary quantities and estimated construction cost for each alternative
- Recommended bridge type for final design
- List of any design decisions needed from the City
- List of issues that will be resolved during final design

Consultant shall prepare conceptual plans at 1" = 20' scale. Additional information to be indicated at this stage will include the base map data from field survey and records research, utility facility sizes, roadway dimensions, and rights-of-way, and presenting plan, elevation and section views of the proposed improvements along with all existing facilities.

Consultant shall prepare an initial construction cost estimate based on anticipated construction items and estimated quantities from the Bridge General Plan. Revise and resubmit preliminary cost estimates as the project progresses at the 65%, 95% and Final stages.

Consultant shall perform quality control on all submittals.

Task 8 Deliverables

- Geometric Approval Drawings (GADs) including roadway typical section

- Bridge General Plan
- Technical Memorandum (Bridge Type Selection Memo)
- Preliminary Construction Cost Estimate

Task 8.1 General Plan of each of the Channel Walls - DHA (Amendment 1):

The existing scope is modified to include providing a general plan of each of the channel walls and a discussion of the preferred wall types in the structure type selection report. The scope is based on the assumption that the channel walls south of Hollister Avenue will consist of non-gravity cantilever channel walls (soldier piles, secant piles, and/or tangent piles) and that soil nail walls will be used on the north side of Hollister Avenue for the transition back to the natural creek bed. The design work includes the review of the plans and reports from the adjacent San Jose Creek Capacity Improvements Project. An investigation of the anticipated top of wall deflections of various wall types under service load conditions will be performed since the channel walls are located near existing buildings. The horizontal alignment and vertical profile of the channel will be designed so that they are consistent with approved CLOMR HEC-RAS model.

Task 9: Technical Support to Secure Permits (DHA, URS):

Consultant shall provide the City with exhibits and calculations necessary for the application and approval of the various permits that have been identified for the construction of the project, which include:

- USCOE 404 Permit
- USFWS and NOAA Fisheries Section 7 Consultation
- RWQCB 401 Permit
- California Department of Fish & Wildlife 1602 Permit
- Caltrans Encroachment Permit
- Santa Barbara County Air Quality Air Pollution Control District Permit or Exemption
- State Water Resources Control Board – Construction General Permit

Task 10: Coordination with City's Ekwil Street and Fowler Road Extension (DHA):

Consultant shall integrate the bridge replacement plans to be constructed with the plans for the Hollister/217 interchange project. Keep all HBP related costs and construction items segregated from the Ekwil Fowler Project.

Task 11: Design Review Board Approval (DHA, DBA):

Consultant shall prepare project plans and exhibits for review by the Design Review Board (DRB) at each submittal milestone. Exhibits shall include modeling of visible bridge elements for review by the DRB. Prepare a response to comments for comments received from the DRB.

In addition to the already scoped exhibits of visible bridge elements, Consultant shall prepare channel wall exhibits as requested by the City for review by the Design Review Board (DRB). Exhibits will include modeling of the wall aesthetics, in addition to the transition from the channel walls back to the natural creek bed on the north side of the project.

Task 12: Bike Access Feasibility Assessment:

Consultant shall assess the feasibility for the proposed bridge to accommodate a Class 1 Bike Lane under the structure to enable the crossing of Hollister Avenue. The assessment will consider clearance criteria, structural design requirements, and accommodation within or next to the San Jose Creek Channel and related fish-passage elements.

In addition to the scoped task of assessing the feasibility for the proposed bridge to accommodate a Class 1 Bike Lane under Hollister Avenue and inside the San Jose Creek Channel, Consultant shall prepare a separate Bike Path Alternatives Assessment Memo evaluating the construction costs and impacts of providing access across Hollister Avenue using either a tunnel or bridge option.

Task 12 Deliverables:

- Technical Memorandum.

Task 13: 65% PS&E – DHA & DBA:

The 65% design level submittal will consist of the draft plans only. Consultant shall submit an updated general plan estimate if there are notable changes from the Preliminary Construction Cost Estimate. Consultant shall assemble and submit a preliminary bid item list that identifies non-standard items needing Special Provisions.

Consultant shall prepare the roadway civil design based on the approved geometric approval drawing.

Consultant shall prepare the Title Sheet that includes the appropriate City and federal funding project identification, as well as a sheet index, a vicinity map, the project legend, general notes, and the project control points.

Consultant shall prepare the roadway Typical Section Sheet, including the roadway structural section based on City standards or Ekwil-Fowler criteria.

Consultant shall prepare Plan and Profile sheets that delineate the general roadway improvements and pavement dimensions. Geometric information, tied to the project control points, shall be shown to sufficiently describe both the horizontal and vertical alignments.

Consultant shall prepare the roadway Construction Details at appropriate scale, showing utility locations, re-grading and geometric details. Specific improvement details may also be shown on the Construction Details.

Show traffic handling details on relevant sheets. Show detour route signage to be used during construction closures. Advisory and construction area signs (CAS) shall be shown on a Construction Area Signs Sheet.

Consultant shall develop a signing and pavement marking plan utilizing City standard details and current Caltrans Traffic Manual, Sign Specifications, and Standard Plans, as applicable. Show existing and new sign locations. Designate standard signs by appropriate Caltrans standard sign numbers. Show temporary signing and striping, portable delineators, temporary crash cushion arrays and temporary railing (Type K), as necessary.

Consultant shall include and incorporate appropriate plan sheets from the San Jose Creek Capacity Improvement Project for the widening of the San Jose Creek. The plan sheets for portion

of the creek to be widened within the project limits will be inserted into the plan set for the bridge replacement.

Bridge design shall be in accordance with Caltrans Bridge Design Specifications and applicable sections of the Caltrans Bridge Memo to Designers and Bridge Design Aids manuals. The design shall meet City, Caltrans and FHWA standards in effect as of the date of Notice to Proceed. Seismic design shall be performed in accordance with latest edition of the Caltrans Seismic Design Criteria.

Detailing of plans shall be in accordance with Caltrans Bridge Design Details Manual. Both the design and detailing shall be based on the use of the latest City Standards and Caltrans Standard Plans and Standard Specifications.

The existing scope is modified to include the preparation of 65% design level plans of the channel walls and the channel itself. This work shall include the sewer relocation design to provide service to the properties located on the southeast corner of Hollister Avenue Bridge. Consultant shall be designing the channel and channel walls, while MNS, under the direction of the Consultant, shall be designing the sewer line relocation. This submittal shall consist of plans in pdf format, an estimate of probable costs in pdf and excel formats, and a draft item list that will identify non-standard items that will need special provisions.

Task 13.1 Additional 65% Design (Amendment 3):

The existing scope is modified to include changing the driveway design at the Mission Auto parcel to conform to the comments from Caltrans District 5. The work involves changing the layout sheets (including over 100 stage construction and layout related sheets), and redesigning the bridge foundation/abutment to carry a cantilevered portion of roadway. The adjacent channel walls will also be changed to fit the new design.

Task 13.1 Deliverables:

- 65% plans in PDF
- Updated combined "estimate of probable costs" in PDF and MS Excel
- Draft item list

Task 14: 95% PS&E – DHA & DBA:

Consultant shall prepare and submit the 95% PS&E, consisting of fully designed and checked plans, specifications and estimate. Consultant shall prepare and submit a "Response to 65% Comments" document with the 95% PS&E. Consultant shall perform a QC review of the 95% plans, specifications and estimate and incorporate appropriate revisions prior to submittal to the City. Consultant shall prepare and submit specifications in Microsoft Word and the estimate in Microsoft Excel. The Plans, Specifications and Estimate shall be prepared in accordance with current Caltrans standards and practices for local agency projects, as well as conform to the City of Goleta's standards and practices.

The project technical specifications shall be prepared and combined with City supplied front-end boilerplate specifications.

The existing scope is modified to include plans, specifications and estimate for the channel, channel walls, and sewer relocation. An independent design check of the channel walls shall be

performed by a senior level engineer. Part of the 95% work will be to review the 65% plans, update as necessary, and prepare a "Response to 65% Comments" document. The 65% plans shall be reviewed and updated as necessary, and a "Response to 65% Comments" document shall be prepared. DHA shall perform a QC review of the 95% plans, specifications and estimate and incorporate appropriate revisions prior to submittal to the City. Specifications shall be prepared in Microsoft Word and the estimate will be prepared in Microsoft Excel. The project technical specifications shall be prepared and combined with City supplied front-end boilerplate specifications.

Task 14 Deliverables:

- 95% Plans in PDF
- Special Provisions in PDF and MS Word
- Combined Engineers Estimate in PDF and MS Excel

Task 15: Final Bid Package and RE-File – DHA:

Consultant shall prepare the construction quantity calculations and marginal estimate for the RE file. Base unit costs upon the most current cost information for recent similar projects in the area compiled.

Consultant shall prepare a construction schedule to determine the number of working days for construction.

The existing scope is modified to include one set of full size reproducible Mylar Final Design Plans for the channel widening, channel walls, and sewer relocation. DHA shall prepare the construction quantity calculations and marginal estimate in the RE file. The design and scope of services shall also include: complete and detailed estimate of quantities; construction cost estimate; answers to all questions regarding the design during the design review process; review of the project site to ensure that the plans are drawn correctly; and attendance at project related meetings specific to the channel, channel wall, and sewer relocation work. A construction schedule shall be provided outlining the number of working days for construction and will include all of the channel widening work in addition to the previously scoped bridge work.

Task 15 Deliverables:

- One set of 24 x 36 Reproducible Mylar Final Design Plans signed by the Registered Engineer responsible for the preparation of the plans
- One un-bound hard copy of Final Project Special Provisions signed by the Registered Engineer responsible for the preparation of specifications
- Electronic Microsoft Excel file of Construction Cost Estimate
- AutoCAD Project Plans on CD
- Electronic Microsoft Word file of specifications
- Hard copy of Construction Cost Estimate
- Resident Engineer's File

Task 16: Right of Way Engineering (MNS):

Consultant shall prepare the required maps, legal descriptions, deeds, sketches, and back-up data to support the right-of-way acquisition effort. ROW engineering shall be performed based upon the Caltrans ROW Manual specifications.

Consultant shall utilize previous right-of-way research from the Ekwill-Fowler project to ensure that right-of-way acquisitions are coordinated. This task shall include:

- Prepare right of way and adjacent boundary retracement sufficient for identifying and ultimately describing the areas required for temporary and permanent easements.
- Identify the parcels where preliminary title reports are needed.
- Determine the precise areas needed for permanent and temporary easements, and for areas of interagency transfer.
- Prepare the appraisal map which identifies the parcel number, owner, type of easement, size of easement, and remainder size.
- Prepare legal descriptions and sketches for each parcel to be acquired for temporary or permanent use.

Task 16.1 Additional Right of Way for the Channel Widening and Sewer Relocation (Amendment 1):

This task is modified to include the additional right of way engineering work relating to the channel widening and sewer relocation design. MNS, with input from the Consultant, shall prepare the required maps, legal descriptions, deeds, sketches, and back-up data to support the right-of-way acquisition effort relating to the channel wall design and sewer relocation. ROW engineering shall be performed based upon the Caltrans ROW Manual specifications. The following tasks shall be completed:

- Identify the need for preliminary title reports (3 title requests estimated). Review and retrace easements relating to right of way and temporary construction uses.
- Work with the project engineer to determine the precise areas needed for permanent and temporary easements, and for areas of interagency transfer.
- Update the appraisal map which identifies the parcel number, owner, type of easement, size of easement, and remainder size.
- Prepare legal descriptions, sketches and closure calculations for each parcel to be acquired for temporary or permanent use relating to the sewer line relocation and channel wall design (6 temporary construction easements and 7 permanent easements estimated).

Hamner, Jewell & Associates (HJA) shall review the Preliminary Title Reports for the necessary parcels, and associated title docs, to aid the surveying team with developing right of way engineering, appraisal maps, and legal descriptions. Title reports are included as a pass through cost to the project.

Additional Right of Way related to NEPA Revalidation (Amendment 3):

This task is modified to include the additional right-of-way engineering work relating to NEPA Revalidation. Work involves completely segregating HBP participating right of way from non-participating right of way on each parcel around the bridge. The right of way acquisition areas will be tailored to be an absolute minimum needed for construction activities without regard to business operations.

The right of way appraisal maps will be redrawn to show these areas. Plats and legal descriptions will be prepared for each parcel based on the idealized easement areas.

Task 17: Right of Way Appraisals – HJA:

Consultant shall obtain Preliminary Title Reports for the affected parcels. Consultant shall obtain appraisals from a state licensed real estate appraiser, prepared in conformance with state laws and Caltrans guidelines, as required to set the basis of right of way purchase offers to private property owners by the City. All appraisals shall be submitted to the City for review and pre-approval prior to purchase offer presentations. If project funding requires formal third party appraisal reviews, assume that Caltrans staff will provide the required appraisal reviews.

Task 17.1: Right of Way Appraisals for Channel Widening – HJA (Amendment 1):

For the parcels directly related to the channel widening, HJA shall obtain appraisals from a state licensed real estate appraiser, prepared in conformance with state laws and Caltrans guidelines, as required to set the basis of right of way purchase offers to private property owners by the City. All appraisals shall be submitted to the City for review and pre-approval prior to purchase offer presentations. If project funding requires formal third party appraisal reviews, it is assumed that Caltrans staff will provide the required appraisal reviews. This proposal does not include any appraisal of public lands held by City, County, County Flood Control, or State. It is assumed that appraisals will only be required for the acquisitions of private properties.

Task 17.2: Additional Right of Way Appraisals – HJA (Amendment 3):

This task provides additional appraisal work to ensure appraisals addressing impacts related only to the Project and independent of the Ekwil-Fowler Project and appraisals for new properties previously not identified. The task also includes independent appraisal reviews which previously were to be performed by Caltrans, however, Caltrans are no longer providing this service.

Task 17.3 Right of way Appraisals (Amendment 4):

Appraisals for 3 parcels and reappraisals of 5 other parcels all directly related to the bridge replacement project and needed for use in right-of-way negotiations. The appraisals will be prepared in conformance with state laws and Caltrans guidelines as required to set the basis of right-of-way purchase offers to private property owners by the City.

Task 17.3 Deliverables

- Five parcel reappraisals (071-140-046, 071-260-CA1, 071-140-056, 071-090-089 & 071-090-036)
- Five appraisal reviews
- Appraisal for full take of 3 parcels (071-140-046, 071-260-CA1 & 071-140-056)
- Mitigation easement waiver valuation/offer

Task 18: Right of Way Acquisition – HJA:

Consultant shall coordinate all right of way acquisitions for this project with the acquisitions of the Ekwil Fowler Extension project. Consultant shall prepare offer packages based upon the appraisals, for presentation to each involved property owner. Offer packages shall include an offer letter, Appraisal Summary Statement, proposed Acquisition Agreement, and Deed. Present these documents for City review and pre-approval prior to presenting offers to property owners. Concurrently, Consultant shall seek Caltrans review and approval of the appraisals, prior to proceeding with making the purchase offers. After offer presentation, Consultant shall handle all

follow up negotiations in pursuit of mutually acceptable amicable purchase agreements with each owner to finalize the property purchases. For any purchase efforts that do not culminate in mutually acceptable amicable agreements, Consultant shall coordinate with City and, if appropriate, with the City Attorney's office in conjunction with any required Necessity Hearing scheduling. For those which reach final agreements, Consultant shall process all documents for necessary approvals and coordinate escrows, title insurance, and closings.

Task 18.1: Right of Way for Channel Widening – HJA (Amendment 1):

Consultant shall coordinate all right of way acquisitions associated with the channel widening and the bridge replacement for this project with the acquisitions of the Ekwil Fowler Extension project. The existing scope is modified to include the additional right of way acquisition work for HJA that will be required for the channel widening. This includes the preparation of offer packages, coordination with Caltrans and the City for review and approval, and follow up negotiations. For any purchase efforts that do not culminate in mutually acceptable amicable agreements, HJA shall coordinate with City and, if appropriate, with the City Attorney's office in conjunction with any required Necessity Hearing scheduling. HJA will process all documents for necessary approvals and coordinate escrows, title insurance, and closings.

Task 18.2: Additional Right of Way Needs – HJA (Amendment 3):

This work involves approaching the property owners with an additional acquisition separate from the Ekwil Fowler project as required by Caltrans. This includes the preparation of offer packages, coordination with Caltrans and the City for review and approval, and follow up negotiations. For any purchase efforts that do not culminate in mutually acceptable amicable agreements, HJA will coordinate with City and, if appropriate, with the City Attorney's office in conjunction with any required Necessity Hearing scheduling. HJA will process all documents for necessary approvals and coordinate escrows, title insurance, and closings.

Task 18.3 Right of Way Acquisition (Amendment 4):

This work involves the preparation of offer packages, coordination with Caltrans and the City for review and approval, and follow up negotiations. For any purchase efforts that do not culminate in mutually acceptable amicable agreements, coordinate with City and, if appropriate, with the City Attorney's office in conjunction with any required Necessity Hearing scheduling. Process all documents for necessary approvals and coordinate escrows, title insurance, and closings.

Task 18.3 Deliverables

- Revised offer preparation and presentation of five parcel reappraisals
- Ongoing relocation assistance for 5 occupancies

Task 19: Utility Coordination and Relocations – DHA:

Consultant shall ensure that this task is coordinated with the Ekwil Fowler Project. Consultant shall ensure that all utility relocation costs attributed to the HBP project are identified and segregated from the Ekwil Fowler Project.

Consultant shall provide utility coordination throughout the project in accordance with Chapter 13 of the Caltrans' Right of Way Manual as required. Consultant shall communicate the project to the utility owners within the project limits and working with them to complete their plans and

relocations for those utilities that conflict with the proposed project. Anticipated work under this task is as follows:

- Utility Base Map: Prepare a utility base map to be used in conjunction with the topographic base map.
- Utility Matrix: Prepare a utility matrix to document the utility coordination activities including: owner; contact name, telephone and facsimile numbers; mailing and physical addresses; email addresses; dates and methods of communication; description of effected utility; method of conflict resolution, if any; status of relocation plans, if any; etc.
- Utility Verification Package: Prepare the Request for Utility Information letter with plans that outline the proposed design and right-of-way, and existing utilities as mapped in the field.
- Consultant shall prepare and execute a potholing plan to provide positive identification and location of any high risk utility facilities that may conflict with the project.
- Utility Notice of Potential Conflict Package: Consultant shall prepare a Notice of Potential Conflict letter, that identifies potential utility conflicts with the planned project and transmit to each affected utility with a relocation deadline schedule. This is a formal coordination letter that identifies the relocation work and schedule required to complete the relocations. Packages will be sent to all utility owners within the project limits – regardless of potential conflict or not – in order to provide transparency of all utility coordination.
- Relocation Parameters: Provide utility relocation parameters for utility owner relocations plans.
- Consultant shall coordinate any and all modifications, changes, or relocations of existing underground and/or overhead utilities with respective utility companies. Where feasible, every effort shall be made to complete any and all modifications, changes, or relocations of existing underground and/or overhead utilities prior to construction.
- Schedules and progress reports for utility efforts shall be prepared by Consultant. Plans and cost estimates provided by the utility companies shall be reviewed and recommendations shall be made.
- Field Meetings: Consultant shall attend field meetings with utility owner representatives.
- Utility Relocation Agreements: Consultant shall prepare utility relocation agreements if necessary.
- Utility Specifications: Consultant shall prepare special provisions relating to utility coordination during construction including timing and duration of construction windows for utility relocations performed by owner's forces.
- Utility Plans: Consultant shall finalize utility plans for contract documentation plan set.
- Utility Notice to Owner Package: Consultant shall prepare Notice to Utility Owner letters that include final project plans that show location and elevation of existing utility and the proposed utility relocations.
- RE Pending File: Consultant shall provide documentation of the utility coordination effort for the City and the RE Pending file. Provide the City with support for the right-of-way certification.

The existing scope is amended to include any necessary coordination for utilities impacted by the channel widening work. This task also includes the coordination required with Goleta Sanitary District regarding the relocation of the sewer line to provide service to the properties located directly southeast of Hollister Ave Bridge.

Task 19 Deliverables:

- Utility contact list and initial status matrix
- Utility Request for Utility Information letters, plans, and updated utility status matrix
- Utility Notice of Potential Conflict letters, plans, and updated utility status matrix
- Utility Notice to Utility Owner letters, plans, and updated utility status matrix
- Relocation Agreements, as necessary
- Utility Plan and specification
- Utility Section for RE Pending File

Task 19.1: Utility Coordination and Relocations – DHA (Amendment 3):

Additional utility relocation coordination with the utility companies with facilities impacted by the bridge replacement and channeling widening.

Task 20: Mitigation Monitoring Plan – AECOM:

Consultant shall prepare a Mitigation and Monitoring Plan (also known as a program). Once NEPA and CEQA documentation and permitting conditions have been finalized, Consultant shall compile a list of mitigation measures and conditions of approval identified during environmental review and the permitting process.

Task 21: Contract Bidding and Award Assistance – DHA:

Consultant shall interpret plans and specifications as required during the bidding process. Attend and participate in a pre-bid meeting with potential bidders.

Consultant shall assist in preparing addenda that may be issued to bidders. Answer questions regarding the Technical Provisions, the design drawings or conflicts in the design during the bidding process and preconstruction meeting. Consultant shall assist the City in preparation of Addenda regarding omissions or conflicts in the design.

In addition to the currently scoped task of providing bidding and award assistance related to the bridge replacement plans and specifications, Consultant shall also provide assistance for any questions concerning the channel widening, channel walls and sewer relocation work.

Scope Assumptions:

The City has adopted a Mitigated Negative Declaration (MND) under CEQA which includes the bridge replacement. There have been no environmental approvals under NEPA for the bridge work, but the MND and related studies were performed to meet NEPA requirements. An additional addendum to the MND as well as NEPA approval is required.

The deck geometry of the replacement bridge will be driven by the layout of the SB 217/Hollister Roundabout developed for the Ekwil Street and Fowler Road Extensions Project.

The actual costs may vary from task to task from that proposed in the fee, but the overall fee will not be exceeded unless additional work is requested and approved by the City, and fee for any such additional work will be negotiated prior to work being performed.

The City will obtain permits and pay all permit fees, with technical support provided by the Consultant.

The City will perform review and approval of all project deliverables.

The City will lead all community outreach efforts with support from Consultant. Consultant shall prepare exhibits and be available to attend public workshops/open houses.

The City will provide legal services necessary should Eminent Domain proceedings be required for right of way acquisition.

The preparation of a SWPPP is not included.