

**Task Order Number 04-607-18-00
Stantec Consulting Inc.**

**Construction Phase Services for the
Sawmill 1A Bike Path Project
Scope of Work**

DATE: May 21, 2007

In accordance with Article I, Scope of Services, of **Agreement for Services # AGMT 04-607**, as amended, between the County of El Dorado (County) and Stantec Consulting Inc. (Stantec), Stantec shall accomplish the work described below in this Task Order, # 04-607-18-00.

TASK ORDER DESCRIPTION:

Stantec shall implement the Items of Work detailed in Attachment I, in accordance with all of the terms and conditions, including the reporting and deliverable requirements, of Agreement for Services # AGMT 04-607, as amended. The Items of Work shall conform to the applicable requirements contained within the California Tahoe Conservancy Contracts CTA-05015 and CTA-05015.1 and the Sawmill 1A Bike Path Project Plans and contract documents, including the Specifications, dated February 2007, copies of which have been provided to Stantec by County. The Items of Work shall consist of construction phase services for work on the Sawmill 1A Bike Path Project.

If changes in the Scope of Work for this Task Order are needed, an amendment to this Task Order must be approved in writing and executed by County's Contract Administrator and Stantec.

PRICE/COST:

Billing rates for the services performed under this Task Order shall be in accordance with the terms and conditions of Agreement for Services # AGMT 04-607, as amended. The not to exceed amount for this Task Order is **\$249,545**. The not to exceed amount of \$249,545 includes a contingency of \$26,823 for change order work, as indicated on the attached Task Order Budget Form. No payment will be made for any work performed prior to the effective date of this Task Order, # 04-607-18-00, or beyond the completion date of the Task Order.

INVOICES:

Invoices pertaining to the services described herein shall be in accordance with Article III, Section D., of Agreement for Services # AGMT 04-607, as amended, and shall include sufficient documentation to support Stantec's charges for work performed and shall identify the appropriate project number (95148), project title, and task code (E), the above-designated Task Order, # 04-607-18-00, Agreement for Services # AGMT 04-607 and the Work Breakdown Structure (WBS) Codes in accordance with County's WBS Codes identified in Attachment I. Stantec shall submit all invoices to County's Contract Administrator by December 31, 2007.

Stantec shall provide County's Contract Administrator with Certified Payroll for applicable personnel for the period for which payment is requested and such Certified Payroll shall accompany the invoice. The Certified Payroll shall contain information

related only to the Sawmill 1A Bike Path Project. No invoice shall be paid until the Certified Payroll is submitted.

**SAWMILL 1A BIKE PATH PROJECT
(JN 95148)**

Attachment I

**Construction Phase Services
Scope of Work**

**May 2007
El Dorado County
Department of Transportation**

Construction Phase Services for the Sawmill 1A Bike Path Project Scope of Work

Stantec Consulting Inc. (Stantec) shall assist the County of El Dorado (County) with the construction support, inspection, and materials testing services for the Sawmill 1A Bike Path Project (Project) based on the Plans and contract documents, dated February 2007.

Stantec shall address any design issues that may arise during construction. Stantec shall consult with County when any field changes arise. Should the change be related to the design, Stantec shall provide the design correction at no cost to County in accordance with Task Order #04-607-18-00 issued pursuant to Agreement for Services # AGMT 04-607, as amended.

Project construction is scheduled to start near the end of June 2007 and be completed by the end of September 2007. Stantec shall provide County with a Resident Engineer who shall provide construction support services, an on-site construction inspector to oversee the construction activities, and personnel to provide materials testing services as described in this Task Order.

Notwithstanding anything in this Scope of Work to the contrary, Stantec shall not directly supervise or assume control over the means, methods, techniques, sequences, or procedures of construction, except as expressly provided in the project's contract documents. Stantec shall not act as the Contractor by assuming control of the work.

For the purposes of this Task Order, references to County's Contract Administrator shall mean Robert S. Slater, Deputy Director, Engineering, Department of Transportation, or successor. References to County's Contract Administrator's designee shall mean Steve Kooyman, Supervising Civil Engineer, Department of Transportation, or successor.

County reserves the right to use its own personnel to accomplish any item in this Scope of Work at any time.

Any substitutes to the Stantec team members identified in this Task Order require advanced written approval from County's Contract Administrator or designee.

ITEM OF WORK A

1.2.5.1 PRE-CONSTRUCTION STAGE

PCS02 Construction Submittals

Stantec shall provide Bill Williamson as Stantec's Resident Engineer. Stantec's Resident Engineer shall receive, stamp with date received, track, and review all County's Contractor, subcontractor, and independent party submittals. Stantec's

Resident Engineer shall set up a Construction Submittal Log (example provided by County to Stantec at the time of execution of this Task Order) identifying submittal name, responsible party, review party, and whether or not the date was met. Stantec's Resident Engineer shall stamp each submittal noting whether: a) the submittal is accepted (no exceptions taken); b) the submittal needs revising and is eligible for resubmitting; c) only make the changes noted; or, d) the submittal is rejected. Stantec's Resident Engineer shall submit a copy of the stamped submittal to County's Contract Administrator or designee and County's Contractor. Stantec's Resident Engineer shall write comments directly on the submittal or under separate cover.

Deliverables: Stantec shall submit one (1) hard copy via US Mail or in-person delivery of the Construction Submittal Log, written comments, and the stamped submittals to County's Contract Administrator or designee upon written or verbal request.

PCS03 Pre-Construction /Pre-Grade Meeting

Stantec's Resident Engineer and Stantec's Primary Inspector shall conduct a pre-construction/pre-grade meeting, scheduled by County, with County's Contractor. Stantec shall take meeting notes at the pre-construction/pre-grade meeting. Topics discussed shall include items such as agency expectations, labor compliance, Equal Employment Opportunity compliance, safety, environmental regulations, materials testing and compliance, County's Contractor submittals, and payment process. County shall contact Stantec via written notice to provide the date, time, and location of the meeting.

Deliverables: Stantec shall submit one (1) electronic copy via email and one (1) hard copy via US Mail of all meeting notes to County's Contract Administrator or designee within one (1) week following the meeting.

ITEM OF WORK B

1.2.5.2 CONSTRUCTION STAGE

CS01 Construction Meetings

Stantec's Resident Engineer shall conduct weekly construction progress meetings with County's Contractor, Stantec's Primary Inspector, County personnel, and the Project Development Team (PDT). Topics shall include upcoming work, schedule, utility coordination, issues of non-compliance, Contract Change Orders (CCO), tracking of submittals, and punch list items.

Stantec's Resident Engineer shall conduct construction progress meetings between Stantec and County personnel when warranted. Topics shall include Scope of Work, schedule, and progress of construction. Stantec shall take meeting notes at each of the construction progress meetings.

Deliverables: Stantec shall submit one (1) electronic copy via email and one (1) hard copy via US Mail of all meeting notes from the weekly construction progress meetings and County/Stantec construction progress meetings to County's Contract Administrator or designee within one (1) week following each meeting.

CS02 Construction Oversight

Stantec's Resident Engineer shall create a weekly diary of construction progress for the time Stantec's Resident Engineer is on-site. Stantec shall ensure that the diary is in the form of a binder and includes County's Contractor's activities on a daily basis, working day identification, percent complete, percent remaining, conversations with Contractors' Superintendent and Foremen, resolutions of conflicts, and submittals received.

Stantec's Resident Engineer shall prepare and maintain the contract filing system for the Project in accordance with County standards (provided by County to Stantec at the time of execution of this Task Order). County shall provide to Stantec sample documents that Stantec's Resident Engineer shall use in administering the contract and filing documents for the contract system at the time of execution of this Task Order. These sample documents include, but are not limited to, progress payments (pay estimates), CCOs, CCO memorandums, weekly statement of working days, proposed final pay estimates, and proposed final pay estimates letter. Stantec shall ensure that the contract filing system includes, but is not limited to, all correspondence, submittals, CCOs, CCO memorandums, diaries, monthly progress payments, Certified Payroll, certificates of compliance, weekly statement of working days, survey requests, and materials testing reports.

Stantec's Resident Engineer shall receive and review Certified Payroll upon invoice from County's Contractor on a monthly basis and prepare a report to County's Contract Administrator or designee and County's Contractor any violations for correction by County's Contractor.

Stantec shall develop the Weekly Statement of Working Days (WSWD) Report in accordance with County standards (provided by County to Stantec at the time of execution of this Task Order), and shall track working days, non-working days, holidays, inclement weather, working days in which no work was performed, time extensions, controlling items of work performed during the period, and number of remaining working days.

Deliverables: Stantec shall submit one (1) hard copy via US Mail or in-person delivery of the binder of Project files to County's Contract Administrator or designee within two weeks of County's Contractor's completion of the final punch list. Stantec shall be prepared to submit one (1) hard copy via US Mail or in-person delivery of the binder of Project files to County's Contract Administrator or designee at any time during the construction period at the verbal or written request of County's Contract Administrator or designee. Stantec shall submit one (1) hard copy via US Mail or in-person delivery of the Certified Payroll violation to County's Contract Administrator or designee within 24 hours of identifying the violation. Stantec's Resident Engineer shall submit one (1) hard

copy via US Mail or in-person delivery of the WSWD Report to County's Contract Administrator or designee and to County's Contractor by close of business on Monday following the week the work was done.

CS02 Construction Oversight - Contingency for Change Order Work

This item provides a contingency for change order work that may occur during the construction of the Project, as directed and approved by County's Contract Administrator or designee, that necessitates additional working days requiring additional construction oversight.

If there is a need to utilize this item, County's Contract Administrator or designee shall notify Stantec via telephone and email and shall provide Stantec with written authorization to perform the contingency work.

Deliverables: The deliverables shall be the same as those identified in CS02, Construction Oversight, above.

CS02 Construction Oversight - Contingency for Construction Design Support

If County's Contract Administrator or designee requests a design change, County's Contract Administrator or designee shall notify Stantec of the requested change in writing. This contingency item is reserved for County's Contract Administrator or designee directed design changes for unforeseen items in the Project's contract documents. However, if the design change is not initiated by County's Contract Administrator or designee but is a result of an inconsistency and/or deficiencies in the contract documents, Stantec shall resolve the design issue at no cost to County.

Deliverables: Stantec shall submit one (1) electronic copy via email and one (1) hard copy via US Mail or in-person delivery of all CADD drawings and design calculations related to the approved design change to County's Contract Administrator or designee 24 hours prior to construction work on approved design change.

ITEM OF WORK C

1.2.5.2.1 CONSTRUCTION CONTRACT EXECUTION STEP

CCE01 Site & Materials Inspection

Stantec shall provide Mike Fontaine as the Primary Inspector to be on-site throughout the Project construction activities. Stantec's Primary Inspector shall observe County's Contractor activities, track changes on the Plans for submittal to County's Contract Administrator or designee, coordinate with County's Contractor to assure that construction conforms to the Project's Plans and Specifications, maintain daily inspection log sheets (example provided by County to Stantec at the time of execution

of this Task Order) of the construction activities, assist County with pay items, assure County's Contractor compliance with Best Management Practices (BMPs) per the contract documents and Project permits provided by County, or other regulatory constraints, photograph construction activities daily using a digital camera, and provide a point of contact for the day-to-day operations at the site.

Stantec's Primary Inspector shall create and fill out daily inspection log sheets that summarize the construction activities for that day. The daily inspection log sheets shall include the date, weather, items of work performed, hours of work performed on each item of work by each worker, workers' names and classifications, equipment numbers, items of work for which equipment was used, hours each piece of equipment was used on each item of work, subcontractor's personnel, visitors, Stantec's conversations, conflicts and resolutions, and non-compliance, if applicable. The daily inspection log sheets shall also describe the material placed on the Project for use in identifying pay items.

Stantec's Primary Inspector shall attend weekly progress meetings with County, County's Contractor, and Stantec's Resident Engineer, to discuss the Project schedule and job status. The meetings shall take place during the working day and therefore are included in the inspection costs. Stantec shall take meeting minutes and include the minutes and action items of each weekly meeting in the daily inspection log sheet narrative.

Stantec's Primary Inspector shall conduct a total of two Contractor employee interviews throughout the construction period to confirm County's Contractor compliance with prevailing wage requirements. County shall provide the interview form at the time of execution of this Task Order. The interviews shall take place during the working day and therefore are included in the inspection costs.

Deliverables: Stantec shall submit one (1) hard copy via US Mail or in-person delivery of the legibly handwritten daily inspection log sheets of construction activities and the daily inspection log sheet narrative with meeting minutes and action items to County's Contract Administrator or designee by close of business on Monday following the week the work was done. Stantec shall submit one (1) hard copy via US Mail of the employee interview forms to County's Contract Administrator or designee on Monday following the week the interviews occur. Stantec shall submit one (1) hard copy via US Mail or in-person delivery of the Plans with the changes tracked to County's Contract Administrator or designee no later than one week after County's Contractor has completed the final punch list. Stantec shall submit one (1) CD or DVD via US Mail or in-person delivery of the electronic file containing the photographs taken by the Primary Inspector with captions for each photo identifying the photo date, location, and description to County's Contract Administrator or designee no later than one week after County's Contractor has completed the final punch list.

CCE01 Site & Materials Inspection - Supplemental Inspection

This item shall be for Stantec's Supplemental Inspector if needed to assist Stantec's Primary Inspector. After obtaining verbal authorization via telephone from County's Contract Administrator or designee, Stantec's Primary Inspector shall schedule a Supplemental Inspector to supplement when multiple activities requiring inspection occur simultaneously. County's Contract Administrator or designee will follow up the verbal authorization with an email to Stantec.

Stantec's Supplemental Inspector shall observe County's Contractor activities, coordinate with County's Contractor and Stantec's Primary Inspector to assure that the construction conforms to the Project's Plans and Specifications, and fill out daily inspection log sheets that summarize the construction activities for items of work assigned by Stantec's Primary Inspector. The daily inspection log sheets shall include the date, weather, item of work performed, hours of work performed on each item of work by each worker, workers' names and classifications, equipment numbers, items of work for which equipment was used, hours each piece of equipment was used on each item of work, subcontractor's personnel, visitors, Stantec's conversations, conflicts and resolutions, and non-compliance, if necessary.

Deliverables: Stantec shall submit one (1) hard copy via US Mail or in-person delivery of the legibly handwritten daily inspection log sheets of construction activities to County's Contract Administrator or designee by close of business on Monday following the week the work was done.

CCE01 Site & Materials Inspection – Administration

This item includes supervision, clerical and office support, including quality control oversight, invoicing, and transmission of reports. Certified Payroll shall contain information related only to the Project.

Deliverables: Stantec shall submit one (1) hard copy via US Mail or in-person delivery of the invoices with Certified Payroll for applicable personnel to County's Contract Administrator for the period for which payment is being requested.

CCE01 Site & Materials Inspection - Contingency for Change Order Work

This item provides a contingency for change order work that may occur during the construction of the Project, as directed and approved by County, that necessitates additional working days requiring additional construction support and inspection services. If authorized by County, this item includes 130 hours for Mike Fontaine (or a County-approved Alternate Primary Inspector) for inspection services for change order work and shall be in accordance with CCE01, Site & Materials Inspection, above. If there is a need to utilize this item, County's Contract Administrator or designee shall notify Stantec via telephone and email and shall provide Stantec with written authorization to perform the additional construction support and inspection, including the number of inspection hours authorized.

Deliverables: The deliverables shall be the same as those identified in CCE01, Site & Materials Inspection, above.

CCE02 Materials Testing

Stantec shall provide personnel, an American Association of State Highway and Transportation Officials (AASHTO) certified laboratory, and calibrated equipment necessary to provide materials testing for the work required as specified in this Task Order.

Stantec shall provide all labor, materials, and equipment necessary to collect, deliver, test, analyze, and report on samples required to verify contract compliance. Stantec shall ensure that test results are signed and approved by Stantec's Laboratory Manager or other designee qualified to approve such test results.

Deliverables: Stantec shall submit one (1) electronic copy via email of the laboratory test results identified in the table below to County's Contract Administrator or designee by the deadline identified in the table below. Stantec shall submit one (1) hard copy via US Mail of the laboratory test results identified in the table below to County's Contract Administrator or designee within 48 hours of emailing the laboratory test results.

Test Description	Quantity	Rate	Total	Deliverable
ASTM D1557 Moisture Density Curve (6 inch)	6	\$155.00	\$930.00	Results emailed 1 work day (24 hours) after received in lab.
ASTM C136/C117 Sieve Analysis	6	\$75.00	\$450.00	Results emailed 1 work day (24 hours) after received in lab.
Plasticity Index	4	\$85.00	\$340.00	Results emailed 1 work day (24 hours) after received in lab.
ASTM C127/C128 Specific Gravity and Absorption of Aggregate	4	\$75.00	\$300.00	Results emailed 1 work day (24 hours) after received in lab.
ASTM C39 Comprehensive strength of concrete cylinder	40	\$17.00	\$680.00	Results emailed the day of test.
ASTM D2172 Asphalt cement content	4	\$110.00	\$440.00	Results emailed 1 work day (24 hours) after received in lab.
ASTM D5444 Asphalt aggregate sieve analysis	4	\$75.00	\$300.00	Results emailed 1 work day (24 hours) after received in lab.

ASTM D1559 Marshall Properties of asphalt concrete	4	\$180.00	\$ 720.00	Results emailed 1 work day (24 hours) after received in lab.
ASTM D2041 Rice specific gravity	4	\$85.00	\$340.00	Results emailed 1 work day (24 hours) after received in lab.
ASTM D2726/D1188 Unit weight of asphalt cores	12	\$40.00	\$480.00	Results emailed 1 work day (24 hours) after received in lab.

CCE02 Materials Testing - Contingency for Change Order Work

This item provides a contingency for change order work that may occur during the construction of the Project, as directed and approved by County, that necessitates additional working days requiring additional materials testing services. If authorized by County, the additional materials testing shall be in accordance with Item of Work CCE02, Materials Testing, above and is estimated at \$900. If there is a need to utilize this item, County's Contract Administrator or designee shall notify Stantec via telephone and email and shall provide Stantec with written authorization to perform the additional materials testing services.

Deliverables: The deliverables shall be the same as those identified in CCE02, Materials Testing, above.

CCE03 Tracking Contractor's Schedule

Stantec's Resident Engineer shall analyze and track County's Contractor's schedule and ensure that County's Contractor provides updated schedules as specified in the Project's Construction Specifications. Stantec shall track delays and document the causes associated with the delays and shall submit a written analysis in Microsoft Word, of the causes of any delays.

Deliverables: Stantec shall submit one (1) electronic copy via email and one (1) hard copy via US Mail of the County's Contractor's delay analysis to County's Contract Administrator or designee no later than one day after the delay occurs. Stantec shall submit by email or telephone notice of potential delays to County's Contract Administrator or designee immediately after Stantec becomes aware of a potential delay.

CCE04 Prepare Pay Estimate

Stantec's Primary Inspector shall prepare a monthly pay quantity summary sheet for each progress payment showing the bid item number and name from the contract

documents, quantity, Plan sheet, and station limits, if applicable, and shall include pay items identified in the Supplemental Inspector's log if applicable. Legibly handwritten monthly pay quantity summaries will be acceptable. Stantec's Resident Engineer shall prepare Monthly Progress Pay Estimates (Microsoft Excel spreadsheet based on the pay estimate sample documents provided by County to Stantec at the time of execution of this Task Order) to summarize payment to County's Contractor for work performed pursuant to the monthly pay quantity summary sheets provided by Stantec's Primary Inspector.

Stantec's Resident Engineer shall prepare a Monthly Progress Pay Estimates supporting documents binder for each item of work to be paid. These documents shall include, at a minimum; item to be paid, amount of item to be paid, calculation of material placed, Certificates of Compliance or Release Tags, name of individual creating document, location of items on Plans and/or Specifications, name of individual verifying document, and date. Stantec's Resident Engineer shall track construction costs on a regular basis. County's Contract Administrator or designee shall provide Stantec with the construction budget, including the contingency balance, at the time of execution of this Task Order. Stantec shall update spreadsheets weekly. Stantec shall monitor and update the contingency balance after each CCO and/or after each Monthly Progress Pay Estimate.

Stantec's Resident Engineer shall provide County's Contractor with the Proposed Final Pay Estimate and Proposed Final Pay Estimate letter after review and approval by County's Contract Administrator or designee. Stantec's Resident Engineer shall include in the Proposed Final Pay Estimate the final CCO to adjust item prices such that the original contract amount is balanced against the final contract amount.

County's Contractor has the opportunity to respond to the Proposed Final Pay Estimate with any claims County's Contractor may have that were not previously submitted or not previously resolved per Section 9-1.07B of the Caltrans Standard Specifications. Stantec's Resident Engineer shall prepare a Semi-Final Pay Estimate for the undisputed items if County's Contractor files a claim. Stantec shall prepare the Final Pay Estimate after resolution of construction claims.

County's Contract Administrator or designee shall prepare the Notice of Completion and the Retention Release.

Deliverables: Stantec's Primary Inspector shall submit one (1) hard copy via US Mail or in-person delivery of the monthly pay quantity summary sheets to Stantec's Resident Engineer monthly following the start of construction. Stantec's Resident Engineer shall submit one (1) hard copy via US Mail or in-person delivery of the Monthly Progress Pay Estimates supporting documents binder to County's Contract Administrator or designee at the time of the Monthly Progress Pay Estimate submittal as outlined below. Stantec's Resident Engineer shall submit one (1) electronic copy via email of the County's Contractor's Monthly Progress Pay Estimate, including CCO work, to County's Contract Administrator or designee for review and approval. Stantec shall submit the first Monthly Progress Pay Estimate to County's Contract Administrator or designee when

County's Contractor has completed 5% of the original bid amount, not including mobilization. Stantec shall submit subsequent Monthly Progress Pay Estimates to County's Contract Administrator or designee monthly based on the date of the first Monthly Progress Pay Estimate. Stantec's Resident Engineer shall submit one (1) electronic copy via email of the Proposed Final Pay Estimate and Proposed Final Pay Estimate letter to County's Contract Administrator or designee within one week of County's Contractor's completion of the final punch list. Stantec's Resident Engineer shall submit one (1) electronic copy via email of the Semi-Final Pay Estimate to County's Contract Administrator or designee no later than three days after the undisputed items of work are determined. Stantec's Resident Engineer shall submit one (1) electronic copy via email of the Final Pay Estimate to County's Contract Administrator or designee no later than one week after all claims are settled. Stantec's Resident Engineer shall submit one (1) hard copy via US Mail or in-person delivery of the Monthly Progress Pay Estimates, Proposed Final Pay Estimate and Proposed Final Pay Estimate letter, the Semi-Final Pay Estimate, and the Final Pay Estimate for signature to County's Contractor upon obtaining County's Contract Administrator or designee approval. Stantec shall submit one (1) hard copy via US Mail or in-person delivery of the Monthly Progress Pay Estimate for final processing and payment to County's Contract Administrator or designee upon receipt of County's Contractor's signature on each Monthly Progress Pay Estimate.

CCE05 Prepare Contract Change Orders

Stantec's Resident Engineer shall receive, record in the CCO Log (example provided by County to Stantec at the time of execution of this Task Order), review, and respond to all of County's Contractor's Requests for Information (RFI). Stantec shall determine response times from County's Contractor's schedule and adhere to them.

Stantec's Resident Engineer shall receive, record in the CCO Log, and review all of County's Contractors' Requests for Changes. Stantec shall review all Requests for Changes for merit. If change is warranted, Stantec's Resident Engineer shall request in writing from County's Contractor a cost to perform the work and then coordinate with County's Contract Administrator or designee to obtain County's concurrence for the CCO and related cost. If County concurrences to both items are obtained, Stantec's Resident Engineer shall prepare a CCO memorandum explaining the need for the CCO and shall prepare the CCO and submit both for County's Contract Administrator or designee's review. Once County approval of the CCO and CCO memorandum is obtained, Stantec's Resident Engineer shall transmit the CCO to County's Contractor for signature. Once County's Contractor's signature is obtained, Stantec shall transmit the signed CCO to County's Contract Administrator or designee for processing. Stantec's Resident Engineer shall track all extra work on separate daily work reports.

Stantec's Resident Engineer shall review any Notice of Potential Claims (NOPC) submitted by County's Contractor for merit and conformance to the requirements in the Special Provisions within the Project's Specifications. Stantec's Resident Engineer shall follow the guidelines and procedures in the Caltrans Construction Manual, or the Project's Specifications, as applicable, to resolve protests, potential claims, actual

claims, and to create proper documentation to establish a chain of events in the claims process.

Stantec's Resident Engineer shall close out and balance all contract items. Stantec shall prepare a final CCO to adjust item prices such that the original contract amount is balanced against the final contract amount.

Deliverables: Stantec's Resident Engineer shall submit one (1) hard copy via US Mail or in-person delivery of the CCO Log to County's Contract Administrator or designee on a monthly basis once construction begins. Stantec's Resident Engineer shall submit one (1) hard copy via US Mail or in-person delivery of County's Contractor cost request letter to County's Contract Administrator or designee one (1) business day prior to submittal to County's Contractor. Stantec's Resident Engineer shall submit one (1) hard copy via US Mail or in-person delivery of County's Contractor's response to cost request letter to County's Contract Administrator or designee within one (1) business day of receipt. Stantec's Resident Engineer shall submit one (1) hard copy via US Mail or in-person delivery of the CCO and CCO memorandum to County's Contract Administrator or designee one (1) business day after receiving County's Contract Administrator or designee verbal acceptance of County's Contractor's response to cost request. Stantec's Resident Engineer shall submit one (1) hard copy via US Mail or in-person delivery of County Contractor signed CCO and CCO memorandum to County's Contract Administrator or designee within one (1) business day of attaining County Contractor signature. Stantec's Resident Engineer shall submit one (1) hard copy via US Mail or in-person delivery of the final CCO to County's Contract Administrator or designee within three (3) business days after construction ends.

CCE08 Final Inspection Punch List

Stantec's Primary Inspector shall maintain a punch list as the job progresses and provide this list to County's Contract Administrator or designee on a weekly basis. Stantec's Primary Inspector shall conduct a final inspection and develop the final punch list for the Project after the completion of construction and shall submit the final punch list to County's Contract Administrator or designee. The final inspection shall identify any remaining construction or compliance issues to be addressed by County's Contractor.

Deliverables: Stantec's Primary Inspector shall submit one (1) hard copy via US Mail or in-person delivery of the punch list to County's Contract Administrator or designee on Monday following the week the work was done. Stantec shall submit one (1) hard copy via US Mail or in-person delivery of the final punch list to County's Contract Administrator or designee within two (2) days after County's Contractor notifies County and Stantec that all work has been completed.

CCE09 PDT Final Construction Inspection

Stantec's Primary Inspector shall assist County with the PDT final Project meeting to review the improvements installed and determine if additional punch list items are needed. Stantec's Primary Inspector shall attend the meeting, take notes at the meeting, and submit a copy of the meeting notes to County's Contract Administrator or designee.

Deliverables: Stantec shall submit one (1) electronic copy via email and one (1) hard copy via US Mail of all meeting notes from the PDT final Project meeting to County's Contract Administrator or designee within one (1) week following the meeting.

ITEM OF WORK D

1.2.5.2.3 CONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MONITORING

- CSW01 Complete Permanent Outfall Water Quality Compliance Sampling**
- CSW02 Complete Temporary BMP Photo**
- CSW03 Construction SWPPP Monitoring Report**

Stantec's Resident Engineer shall inspect the Project site and monitor County's Contractor's compliance with BMPs in accordance with the Project's SWPPP. Stantec's Resident Engineer shall monitor the weather forecast during the storm season and ensure County's Contractor's compliance with pre-storm, storm event, and post-storm requirements. Stantec's Resident Engineer shall issue storm updates in writing to County's Contractor notifying him of impending inclement weather. Stantec shall enforce proper handling and storage of non-visible pollutants.

Stantec's Resident Engineer shall prepare a Construction Monitoring Report compiling the BMP checklists, photos, and documenting storm events and actions taken.

Stantec's Primary Inspector shall inspect and photograph the permanent BMPs installed for the Project to ensure proper construction and operation. County shall collect water samples at the Project outfall and test the water to demonstrate proper operation of the BMPs. Stantec shall fill out the BMP checklist (provided by County to Stantec at the time of execution of this Task Order) daily and provide the BMP checklist to County's Contract Administrator or designee prior to the pre-construction/pre-grade meeting identified in PCS03 – Pre-Construction/Pre-Grade Meeting above.

Stantec's Primary Inspector shall collect surface water samples at the Project site before and after storm events and shall take turbidity readings with a Stantec supplied Hach Meter on these samples. Stantec shall collect these samples and take the readings during the workday, and therefore, the labor to collect the samples and take the readings is included in the inspection costs. There shall be no third party lab analysis of these samples and therefore no costs for such are allowed. Stantec shall report the results in the daily inspection log sheets and relay the data via telephone to

County's Contract Administrator or designee within one hour of collecting the sample. County shall collect samples and take turbidity readings before and after storm events that occur when Stantec's Primary Inspector is not required to be on-site.

Deliverables: Stantec shall submit one (1) hard copy via US Mail or in-person delivery of the Construction Monitoring Report to County's Contract Administrator or designee no later than one week after County's Contractor has completed the final punch list. Stantec shall submit one (1) hard copy via US Mail or in-person delivery of the legibly handwritten daily BMP checklists attached to the daily inspection log sheets to County's Contract Administrator or designee by close of business on Monday following the week the work was done. Stantec shall relay via telephone the results of turbidity tests from storm events to County's Contract Administrator or designee within one hour of collecting the sample. Stantec shall submit one (1) CD or DVD via US Mail or in-person delivery of the electronic file of photographs of the BMPs with captions for each photo describing the location, the date, and the description to County's Contract Administrator or designee no later than one week after County's Contractor has completed the final punch list.

ITEM OF WORK E

1.2.5.2.4 FINAL CONSTRUCTION DOCUMENTS

FCD01 Final Construction Report (Admin Draft FCR)

Stantec's Resident Engineer shall prepare an Admin Draft FCR pursuant to County's sample documents (provided by County to Stantec at the time of execution of this Task Order) for County's Contract Administrator or designee review and comments. Stantec shall ensure that the Admin Draft FCR identifies the construction of the Project, the final cost of construction, including construction support and administration, the revenue distribution (provided by County to Stantec at the time of execution of this Task Order), a list of all CCOs, a list of construction claims and the result of each after resolution, and a photo documentary showing pre- and post-construction. Stantec shall also include in the Admin Draft FCR the following (Project specific items to be provided by County to Stantec at the time of execution of this Task Order): Project purpose, Project location, site description, goals and objectives, Project improvements, irrigation, operation and maintenance guidelines, inspection and maintenance, and quality assurance testing.

Deliverables: Stantec shall submit via one (1) hard copy via US Mail or in-person delivery of the Admin Draft FCR to County's Contract Administrator or designee within two weeks of County's Contractor's completion of the final punch list.

FCD02 Administrative (Admin) Draft Record Drawings

During County's Contractor's operations, Stantec's Resident Engineer shall document all changes on the Plans as they occur during the construction phase. Stantec's Design

staff shall utilize these revisions to prepare the Admin Draft Record Drawings for County's Contract Administrator or designee review and comments.

Deliverables: Stantec shall submit one (1) electronic copy via email and two (2) hard copies via US Mail or in-person delivery of the Admin Draft Record Drawings to County's Contract Administrator or designee within four (4) weeks of County's Contractor's completion of the final punch list.

FCD04 Complete Final Construction Report (FCR)

Stantec shall prepare the FCR by revising the Admin Draft FCR based on County's Contract Administrator or designee comments. Stantec's Resident Engineer shall submit to County's Contract Administrator or designee the FCR pursuant to County's Contract Administrator or designee comments on the Admin Draft FCR with a letter that responds to the comments.

Deliverables: Stantec shall submit one (1) electronic copy via email and two (2) hard copies via US Mail of the FCR with a response letter to County's Contract Administrator or designee for review within one week of receipt of County's Contract Administrator or designee comments on the Admin Draft FCR.

FCD05 Complete Record Drawings (RD)

Stantec shall incorporate all County's Contract Administrator or designee comments on the Admin Draft Record Drawings by preparing the Final Record Drawings complete with Stantec's designee's Professional Engineer's stamp and signature for submittal to County's Contract Administrator or designee for final review and approval.

Deliverables: Stantec shall submit one (1) electronic copy via email and two (2) hard copies (1 bond and 1 mylar) via US Mail of the Final Record Drawings to County's Contract Administrator or designee within 4 weeks of County's Contract Administrator or designee review and approval.

PROJECT SCHEDULE

Project construction is scheduled for 60 working days extending from the end of June 2007 to the end of September 2007. The Project budget listed in Table 1 for the 60 working days consists of five thirteen-hour days per week for on-site inspection work.

PROJECT BUDGET

The estimated costs associated with the Project construction support, inspection, and materials testing are detailed in Table 1 and on the attached Task Order Budget Form.

Table 1. Sawmill 1A Bike Path Project Budget for Construction Phase Services.

Item of Work Description	WBS Code	Item of Work Cost Estimate	Total Cost Estimate
Item of Work A. Pre-Construction Stage	1.2.5.1		
PCS02 – Construction Submittals <ul style="list-style-type: none"> Copies Principal 1 = 40hrs. @ \$156/hr. 		\$150 \$6,240	\$6,390
PCS03 – Pre-Construction /Pre-Grade Meeting <ul style="list-style-type: none"> Principal 1 = 5hrs. @ \$156/hr. Copies 		\$780 \$30	\$810
Item of Work B. Construction Stage	1.2.5.2		
CS01 – Construction Meetings <ul style="list-style-type: none"> Field Vehicles = 48hrs. @ \$6/hr. Principal 1 = 24hrs. @ \$156/hr. Professional 4 = 24hrs. @ \$96/hr. 		\$288 \$3,744 \$2,304	\$6,336
CS02 – Construction Oversight <ul style="list-style-type: none"> Principal 1 = 192hrs. @ \$156/hr. Field Vehicles = 192hrs. @ \$6/hr. Copies 		\$29,952 \$1,152 \$500	\$31,604
CS02 – Construction Oversight - Contingency for Change Order Work <ul style="list-style-type: none"> Principal 1 = 20hrs. @ \$156/hr. Field Vehicles = 20hrs. @ \$6/hr. 		\$3,120 \$120	\$3,240
CS02 – Construction Oversight - Contingency for Construction Design Support <ul style="list-style-type: none"> Principal 3 = 15 hrs. @ \$183/hr. Professional 7 = 60hrs. @ \$130/hr. 		\$2,745 \$7,800	\$10,545
Item of Work C. Construction Contract Execution Step	1.2.5.2.1		
CCE01 – Site & Materials Inspection <ul style="list-style-type: none"> Professional 4 <ul style="list-style-type: none"> 480hrs. @ \$96/hr. 		\$46,080	\$96,840

<ul style="list-style-type: none"> ○ 240hrs. @ \$144/hr. (1.5*OT) ○ 60hrs. @ \$192/hr. (2*OT) ● Field Vehicles = 780hrs. @ \$6/hr. 		<p>\$34,560</p> <p>\$11,520</p> <p>\$4,680</p>	
<p>CCE01 – Site Materials & Materials Inspection – Supplemental Inspection</p> <ul style="list-style-type: none"> ● Professional 4 <ul style="list-style-type: none"> ○ 48hrs. @ \$96/hr. ○ 24hrs. @ \$144/hr. (1.5*OT) ○ 6hrs. @ \$192/hr. (2*OT) ● Field Vehicles = 78hrs. @ \$6/hr. 		<p>\$4,608</p> <p>\$3,456</p> <p>\$1,152</p> <p>\$468</p>	\$9,684
<p>CCE01 – Site & Materials Inspection – Administration</p> <ul style="list-style-type: none"> ● Principal 4 = 48hrs. @ \$194/hr. ● Professional 7 = 48hrs. @ \$130/hr. ● Technologist 1 = 24hrs. @ \$87/hr. 		<p>\$9,312</p> <p>\$6,240</p> <p>\$2,088</p>	\$17,640
<p>CCE01 – Site & Materials Inspection – Contingency for Change Order Work</p> <ul style="list-style-type: none"> ● Professional 4 = 119hrs. @ \$96/hr. ● Field Vehicles = 119hrs. @ \$6/hr. 		<p>\$11,424</p> <p>\$714</p>	\$12,138
<p>CCE02 – Materials Testing</p> <ul style="list-style-type: none"> ● Materials Testing 		<p>\$4,980</p>	\$4,980
<p>CCE02 – Materials Testing – Contingency for Change Order Work</p> <ul style="list-style-type: none"> ● Materials Testing 		<p>\$900</p>	\$900
<p>CCE03 – Tracking Contractor’s Schedule</p> <ul style="list-style-type: none"> ● Copies ● Principal 1 = 24hrs. @ \$156/hr. 		<p>\$200</p> <p>\$3,744</p>	\$3,944
<p>CCE04 – Prepare Pay Estimate</p> <ul style="list-style-type: none"> ● Copies ● Principal 1 = 40hrs. @ \$156/hr. 		<p>\$100</p> <p>\$6,240</p>	\$6,340
<p>CCE05 – Prepare Contract Change Orders</p> <ul style="list-style-type: none"> ● Copies ● Principal 1 = 40hrs. @ \$156/hr. 		<p>\$100</p> <p>\$6,240</p>	\$6,340
<p>CCE08 – Final Inspection Punch List</p> <ul style="list-style-type: none"> ● Principal 1 = 4hrs. @ \$156/hr. 		<p>\$624</p>	\$624

CCE09 – PDT Final Construction Inspection			\$504
<ul style="list-style-type: none"> Principal 1 = 2hrs. @ \$156/hr. Professional 4 = 2hrs. @ \$96/hr. 		\$312 \$192	
Item of Work D. Construction SWPPP Monitoring Step	1.2.5.2.3		
CSW01 – Complete Permanent Outfall Water Quality Compliance Sampling			\$1,202
<ul style="list-style-type: none"> Copies Professional 4 = 12hrs. @ \$96/hr. 		\$50 \$1,152	
CSW02 – Complete Temporary BMP Photo			\$4,880
<ul style="list-style-type: none"> Copies Principal 1 = 30hrs. @ \$156/hr. 		\$200 \$4,680	
CSW03 – Construction SWPPP Monitoring Report			\$3,994
<ul style="list-style-type: none"> Copies Principal 1 = 24hrs. @ \$156/hr. 		\$250 \$3,744	
Item of Work E. Final Construction Documents	1.2.5.2.4		
FCD01 – Final Construction Report (Admin Draft FCR)			\$6,838
<ul style="list-style-type: none"> Principal 1 = 40hrs. @ \$156/hr. Technologist 1 = 4hrs. @ \$87/hr. Copies 		\$6,240 \$348 \$250	
FCD02 – Admin Draft Record Drawings			\$7,064
<ul style="list-style-type: none"> Principal 3 = 8 hrs. @ \$183/hr. Professional 7 = 40hrs. @ \$130/hr. Copies 		\$1,464 \$5,200 \$400	
FCD04 – Complete FCR			\$2,096
<ul style="list-style-type: none"> Principal 1 = 8hrs. @ \$156/hr. Technologist 1 = 4hrs. @ \$87/hr. Copies 		\$1,248 \$348 \$500	
FCD05 – Complete RD			\$4,612
<ul style="list-style-type: none"> Principal 3 = 4hrs. @ \$183/hr. Professional 7 = 16 hrs. @ \$130/hr. Copies (1 set of Mylar, 1 set bond) 		\$732 \$2,080 \$1,800	
TOTAL NOT-TO-EXCEED COST:			\$249,545