

## **Exhibit A-II: Legacy Forest Road Sediment Reduction on Old Haul Road Project: Phase 2**

### **Timeframe**

September 12, 2017- November 14, 2019

### **Budget**

\$159,923

### **Scope of Work**

The San Mateo County Resource Conservation District (RCD) is a non-regulatory, public agency that works in partnership with landowners/managers, and provides technical assistance to help with land management goals in a way that also restores and protects local watersheds. As part of its Rural Roads program, the RCD has been working to identify and address priority rural roads that are delivering sediment into Pescadero Creek. The Legacy Forest Road Sediment Reduction on Old Haul Road Project will address legacy impacts of forest management on high priority salmonid habitat in Pescadero Creek by improving stream crossings on three tributaries to Pescadero Creek, Dark Gulch, Harwood and Rhododendron creeks and surface drainage on Old Haul Road, a legacy logging road that is now used for recreation and emergency response, timber property, and fire protection access in Pescadero Creek County Park in Pescadero. Due to 2017 winter storms, the Dark Gulch and Harwood Creeks crossings are actively failing, and experienced significant erosion this past winter delivering over 600 cubic yards (cy) of sediment to the stream system and significantly impacted safe access past the crossings. If left untreated, future erosion at these sites and at Rhododendron creek could deliver up to 35,000 cy of sediment to Pescadero Creek.

During Phase 1 Planning, the RCD worked with San Mateo County Parks Department (County Parks), County Department of Public Works, consultants, and regulatory agencies to address critical issues and position the project towards implementation. Topographic and geotechnical surveys were conducted to evaluate the feasibility of different crossing designs, and the RCD and County Parks consulted with state and federal agencies to identify options to ensure that the selected contractor can do the work in one season. Integrated Watershed Restoration Program (IWRP) funding paid for RCD staff time to complete these Phase I Planning tasks, and San Mateo County provided funding for the consultant costs of topographic and geotechnical surveys and analyses, and feasibility analyses.

Upon completion of the Phase 2 Planning permitting and construction contractor bid process tasks described in this scope of work (SOW), the project will be ready to begin construction. These tasks may include, but are not limited to, the following:

#### **Task 1 – Engineering and Construction Designs (Engineering Project Consultant, Tim Best)**

Development of engineering and construction designs for this crossing will require specialized engineering work by multiple consultants. As part of the tasks described below, the engineering project consultant will provide technical direction and management of all work performed by the entire engineering consultant team. Additional administrative duties to be performed by the engineering project consultant to facilitate design review and revision will include correspondence, and coordination with the RCD and County Parks staff, and preparation of technical documentation and reports directly related to the project.

- **65% Designs for Harwood Creek:** The engineering project consultant will complete these to allow for incorporating repair of the Harwood Creek crossing into the permit application process for this project. When the crossing at Harwood Creek began to actively fail after the past winter, addressing this crossing became a priority for sediment and erosion control, and it became necessary to advance the planning for Harwood Creek as part of the current project. Note that the

engineering project consultant has already done the topographic and geotechnical surveys and analyses for this site under prior funding.

- 100% Construction Plan Sets and Designs: The Engineering Project Consultant will prepare 100% construction plan sets and specifications which are required for the completing the permitting and construction contractor bid processes.

### **Task 2 – Permit Strategy and Planning. (RCD Staff – no cost to San Mateo County)**

The RCD will coordinate with relevant agencies and organizations, review permitting options and provide the technical assistance needed to develop a permitting strategy that process that best positions the project for implementation.

### **Task 3 – Permitting (RCD Staff; Engineering Project Consultant, Tim Best; Environmental Consultants, Brook Vinnedge and Jonathan Foster; Other Consultants)**

Permitting includes the tasks necessary for obtaining the required regulatory approvals for project construction.

- Administration, Oversight and Coordination of the Permitting Process: RCD staff will be responsible for these duties which will include time spent working on project management, oversight and coordination of consultants' work, contracts, invoices, progress reports, and organizing and attending meetings and site visits. RCD will coordinate with SMC Parks on all aspects of project administration.
- Environmental Review Materials: The following environmental review materials necessary for project permitting will be prepared by the project environmental consultants:
  - *Biological Resource Assessment*: Qualified biologists will conduct a background investigation and single site visit to gather information about current biological conditions within the project study area. The results of the single-day site visit and database search will be described in a Biological Resources Assessment that will include a map of habitat types and will also include recommended minimization measures for potential effects on species that may be affected by the proposed project.
  - *Aquatic Resources Delineation Report*: This report, prepared by the aquatic resources consultant, will include mapped wetlands and other waters associated with the project area, including access and staging areas identified and provided by the RCD. This report will be prepared to support federal and state permit applications and will be formatted for preliminary approval by the U.S. Army Corps of Engineers (USACE).
  - *CEQA Initial Study / Mitigated Negative Declaration (IS/MND)*: Information from the Biological Resource Assessment and Aquatic Resources Delineation Report will be used to prepare a California Environmental Quality Act (CEQA) Initial Study (IS) checklist for the proposed project.. For the purpose of the cost estimate in this SOW, it has been assumed that the project would qualify for an IS/MND. Note that it is assumed that the County of San Mateo will be the CEQA lead agency and will be responsible for completing all required noticing, reproduction, and public circulation/distribution and scoping of the public Draft IS/MND.
- Permit Applications: Preparation and submission of permit application materials and fees (listed in Task 4), and coordination of permit reviews and consultations (see list below) by regulatory agencies will be done by the RCD. RCD staff will coordinate and work closely with County Parks staff, project consultants and regulatory agencies to facilitate the permitting process and for project implementation.
  - San Mateo County Grading Ordinance Permit Exemption
  - Clean Water Act Section 404 (US Army Corps of Engineers)

- Clean Water Act Section 401 Certification (SF Bay Regional Water Quality Control Board)
  - Lake and Streambed Alteration Agreement/1600 (CA Department of Fish and Wildlife)
  - Endangered Species Act Sect. 7 US Fish and Wildlife Service Consultation
  - Endangered Species Act Sec. 7 National Marine Fisheries Service Consultation
- Design & Construction Consultation: The engineering project consultant will provide design and construction consultation services, and revisions to designs and plan sets necessary for permit application submittals, and ultimate permit approvals.
  - SWPPP: A stormwater pollution prevention plan (SWPPP) describing the pollution prevention practices and activities that will be implemented on the site during construction will be prepared by a project consultant.

#### **Task 4 – Permit Fees**

Based on the current project description and designs, the RCD estimated the permitting fees (see list, below) to be paid by County Parks. The actual permit fees required by regulatory agencies will depend on the final project designs specifications (e.g., project excavation and fill volumes and acreage) and how regulatory agency staff define the project in permit approvals. As part of Task 3, RCD staff will try to minimize these fees.

- 401 Certification (SF Bay Regional Water Quality Control Board) fee is calculated based on discharge area or length.
  - Permit Processing: \$750
  - Fill Discharge Fee: \$17,000
  - Annual Monitoring Fee: \$350 per year, minimum 5 years
- Lake and Streambed Alteration Agreement/ 1600 (CA Department of Fish and Wildlife) fee is based on construction (only) cost for a “project” as defined in Fish and Game Code.
  - Fee estimate: \$16,000
- CEQA ISMD Filing (San Mateo County and CA Office of Planning and Research (OPR))
  - County Fee: \$2,270
  - OPR: None
- Grading Ordinance Permit Exemption (San Mateo County)
  - No fee if RCD is project partner

#### **Task 5 – Bid Process (RCD Staff; Engineering Project Consultant, Tim Best)**

RCD staff and the engineering project consultant will work with County Parks carry out the construction contractor bid process. This will include development of the bid package, announcement to qualified contractors, managing a mandatory site visit for contractor bidders, response to questions, and contractor selection, .

#### **Task 6 – OPTIONAL: Grant Writing (RCD Staff)**

If grant funding opportunities that are a good fit for implementation of this project become available during the timeframe of this agreement, this task would cover RCD staff time necessary to prepare a competitive proposal. RCD staff has been and will continue coordinating with County Parks to identify and evaluate grant opportunities, but the RCD will need to receive a notice to proceed from County Parks prior to starting work on preparation of a grant proposal.

#### **Budget**

<b>Task</b>	<b>Est. cost</b>
1. Engineering and Construction Designs (Engineering Project Consultant)	\$23,000
2. Permit Strategy and Planning (RCD Staff – Paid through IWRP)	-
3. Permitting	

<ul style="list-style-type: none"> <li>• Administration, Oversight and Coordination of Permitting Process (RCD Staff)</li> </ul>	\$9,395
<ul style="list-style-type: none"> <li>• Environmental Review Materials (Environmental Consultant)</li> </ul>	\$32,000
<ul style="list-style-type: none"> <li>• Permit Applications (RCD Staff)</li> </ul>	\$20,577
<ul style="list-style-type: none"> <li>• Design &amp; Construction Consultation (Engineering Project Consultant)</li> </ul>	\$4,000
<ul style="list-style-type: none"> <li>• SWPPP (Other Consultant)</li> </ul>	\$5,000
<b>4. Permit Fees</b> <ul style="list-style-type: none"> <li>• 401 Certification (SF Bay Regional Water Quality Control Board)</li> </ul>	\$19,750
<ul style="list-style-type: none"> <li>• Lake and Streambed Alteration Agreement/1600 (CA Dept of Fish and Wildlife)</li> </ul>	\$16,000
<ul style="list-style-type: none"> <li>• CEQA ISMD Filing (San Mateo County)</li> </ul>	\$2,270
<ul style="list-style-type: none"> <li>• Grading Ordinance Permit Exemption (San Mateo County)</li> </ul>	-
<b>5. Bid Process</b> <ul style="list-style-type: none"> <li>• Administration of Bid Process and Development of Bid Materials (RCD Staff)</li> </ul>	\$5,931
<ul style="list-style-type: none"> <li>• Bid Package Mat'ls and Technical Consultation (Engineering Project Consultant)</li> </ul>	\$12,000
<b>6. OPTIONAL: Grant Writing (RCD Staff)</b>	\$10,000
<b>Total</b>	<b>\$159,923</b>

RCD hourly rates will be invoiced as follows:

- Conservation Program Specialist \$67
- Program Manager \$90
- Executive Director \$132
- Program Specialist \$60
- Program Coordinator \$51
- Program Assistant \$41
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Rates are applicable through June 30, 2018. Rates are reevaluated annually. Materials (e.g. permit fees, mileage, printing, postage) and subcontractor fees will be invoiced at cost to RCD (no markup).

### **Invoicing and Reporting**

The RCD shall document work performed under this contract and provide a status report of the work efforts outlined to County Parks on a quarterly basis until funds are expended. Advanced payment for non-optional services (\$149,923) will be made on October 1, 2017.