



Midpeninsula Regional  
Open Space District

R-18-124  
Meeting 18-36  
October 24, 2018

## AGENDA ITEM 4

### AGENDA ITEM

Award of Contract with Waterways Consulting, Inc., for design and engineering services, preparation of construction documents, permitting and bidding process support, and construction oversight for the Alpine Road Trail Repair at Coal Creek Open Space Preserve.

### GENERAL MANAGER'S RECOMMENDATIONS *dem*

1. Authorize the General Manager to enter into a multi-year professional services contract with Waterways Consulting, Inc., of Santa Cruz, California to complete the design, permitting, bidding, and construction oversight for improvements to the Alpine Road Trail, for a base contract amount not-to-exceed \$232,547.
2. Authorize a 15% contingency of \$34,882 to be awarded if necessary to cover unforeseen conditions.
3. Authorize a separate contract allowance of \$35,000 specifically for additional site investigations and/or modifications to the stream crossing design if required by the regulatory agencies in order to avoid implementation delays, for a combined not-to-exceed contract amount of \$302,429.

### SUMMARY

A qualified design and engineering team is needed to complete the design and engineering, assist with permitting and bidding, and provide construction oversight for the repair of several stream crossings and slope failures on the Alpine Road Trail at Coal Creek Open Space Preserve. The Midpeninsula Regional Open Space District (District) released a Request for Qualifications and Proposals (RPQP) in July 2018. Based on the results of the RFQP process, the General Manager recommends awarding a professional services contract to Waterways Consulting, Inc., for a base contract amount of \$232,547, with a 15% contingency of \$34,882, and a separate allowance of \$35,000, for a total not-to-exceed contract amount of \$302,429. The Fiscal Year (FY) 2018-19 budget includes sufficient funds to cover costs through the end of June. Subsequent Budget and Action Plan cycles would include additional budget to complete the design, bidding, and construction oversight work.

### DISCUSSION

The Alpine Road Trail is an important regional trail connection through Coal Creek Open Space Preserve for cyclists and hikers traveling from Portola Valley to upper Page Mill Road near Skyline Boulevard that avoids public roads. Alpine Road Trail is in poor condition and in need of repair and improvement.

At the Board Meeting on March 14, 2018 (R-18-19), the Board reviewed three (3) options for repair of the Alpine Road Trail. The Board approved Option 2: Repair Alpine Road Trail to trail width (six feet). The District would complete the repairs while sections of the trail remain in County ownership. The County owns fee title on a small section of trail, as well as a right-of-way easement through Coal Creek Preserve and private properties. The District will complete the Alpine Road Trail improvements as a partnership project with the County allowing the project to be eligible for County permit streamlining and cost-sharing opportunities.

The proposed improvements include the replacement of a failed stream crossing once served by a 200-foot long, 48-inch wide culvert; repair of numerous fill slope failures; and other significant stream crossing improvements that require repair due to a lack of maintenance over the past two decades. These failures pose a continuing risk of sediment input to Corte Madera Creek, a tributary of San Francisquito Creek.

The project will require permits from various regulatory agencies, including California Department of Fish and Wildlife, Regional Water Quality Control Board, US Army Corps of Engineers, and San Mateo County, as well as compliance with the California Environmental Quality Act. Additional permitting requirements related to sensitive resources may surface and extend the project schedule. The project will include an alternatives analysis to identify the appropriate prescription for the larger stream crossing failures. The focused alternatives analysis will evaluate the best method to minimize future sediment contributions to the watershed, minimize impacts on existing sensitive resources, and implement stable, long-term, and cost-effective improvements. The analysis will also provide justification of the selected preferred alternatives for submittal to the resource agencies. The contract includes an allowance for geotechnical and structural engineering in order to accommodate potential design changes stemming from the alternatives analysis and comments from the regulatory agencies. As an example, the resource agencies may require installation of a bridge at a location where a culvert is currently proposed.

### Consultant Selection

In July 2018, a Request for Qualifications and Proposals (RFQP) was released for the Alpine Road Trail. Staff conducted a mandatory pre-proposal tour with 13 consultants and sub-consultants. Four proposals were received. The District reviewed and ranked the proposals with Waterways Consulting, Inc., deemed as the most qualified and best suited for the project based on their response to the RFQP. Staff worked to negotiate the initial fee proposal for Waterways Consulting Inc., down from \$294,572 to \$232,547.

<b>Consultant</b>	<b>Proposed Fee</b>
Waterways Consulting, Inc.	\$232,547
BKF	\$293,629
Questa Engineering Corp	\$199,250
Sandis	\$176,900

The Waterways Consulting, Inc., team includes the following sub-consultants to address various technical aspects of the project: Timothy C. Best, CEG will address engineering geology and has completed substantial field and technical work to update the Preserve's Road and Trail Inventory; Haro, Kasunich, and Associates will complete geotechnical borings, provide recommendations, and submit geotechnical reporting; and Mayone Structural Engineering, Inc.,

will design any necessary retaining walls or bridges. The District has received high quality services on numerous projects from these sub-consultants in the past five years.

The consultant contract is a multi-year contract that includes trail construction monitoring and oversight. Construction oversight will be required by San Mateo County permits and is an essential project component given the challenging site conditions. The Waterways Consulting, Inc., design team previously excelled at providing construction oversight for the Bear Creek Redwoods Phase I Road and Trail Improvements.

### FISCAL IMPACT

The FY2018-19 budget includes \$278,557 for the Alpine Road Trail Improvement Project (MAA 10-001). There are sufficient funds in the project budget to cover the recommended action and expenditures for this fiscal year. Consultant contract costs in subsequent years will be included in future budgets.

	FY2018-19	FY2019-20	EST. FUTURE YEARS
<b>MAA10-001 Budget</b>	<b>\$278,557</b>	<b>\$320,000</b>	<b>\$1,570,000</b>
Spent-to-Date (as of 9/25/2018):	\$942	\$0	\$0
Encumbrances:	\$0	\$0	\$0
Total Waterways Consulting Contract Amount:	\$138,000	\$115,000	\$49,429
<b>Budget Remaining (Proposed):</b>	<b>\$139,615</b>	<b>\$205,000</b>	<b>\$1,520,571</b>

The following table outlines the Measure AA Portfolio #10 budget, costs-to-date, and the fiscal impact related to MAA 10-001 – Alpine Road Regional Trail Improvements project. This project supports Measure AA portfolio #10 by repairing and improving Alpine Road Trail to ensure continued public access to this regionally important trail in Coal Creek Open Space Preserve.

<b>MAA #10 Portfolio Appropriation</b>	<b>\$8,017,000</b>
Life-to-Date Spent (as of 9/25/2018):	\$22,890
Encumbrances:	\$0
Waterways Consulting Contract:	\$302,429
<b>Balance Remaining (Proposed):</b>	<b>\$7,691,681</b>

### BOARD COMMITTEE REVIEW

The full Board reviewed three Alpine Road Trail repair options at their March 14, 2018 meeting (R-18-19). The Board selected Option 2, Repair Alpine Road to trail width. Option 2 repairs the road failures to a six-foot wide trail standard, which allows for a narrower trail experience and is less costly to maintain. Emergency vehicle access will be limited due to the narrow trail width.

### PUBLIC NOTICE

Public notice was provided as required by the Brown Act.

## **CEQA COMPLIANCE**

Staff will perform the appropriate California Environmental Quality Act review for Board certification once the final design is complete.

## **NEXT STEPS**

Upon Board authorization, the General Manager will direct staff to enter into contract with Waterways Consulting, Inc., to initiate the design and engineering work. Staff will complete CEQA review and the Board will have an opportunity to review the CEQA findings as part of the final design approval at a future date. Staff will continue to work with the County of San Mateo to streamline the County permitting process and explore cost-sharing opportunities.

### Attachment

1. Map of Alpine Road Trail Repair Sites

Responsible Department Head:

Michael Jurich, Acting Land & Facilities Department Manager

Prepared by:

Bryan Apple, Capital Projects Field Manager

# ALPINE ROAD TRAIL IMPROVEMENTS

COAL CREEK OPEN SPACE PRESERVE

