



Midpeninsula Regional  
Open Space District

R-16-63  
Meeting 16-10  
May 11, 2016

## AGENDA ITEM 4

### AGENDA ITEM

Contract Amendment with Pavement Engineering Inc. for design, engineering, surveying, and construction administration for the Mount Umunhum Road Improvement Project

### GENERAL MANAGER'S RECOMMENDATIONS

Amend a contract with Pavement Engineering Inc. (PEI) for the Mount Umunhum Road Improvement Project (Road Project) in the amount of \$46,685, for a total not-to-exceed contract amount of \$355,085, for the following additional scope items:

1. Development of County-required encroachment permitting material for the Mount Umunhum Road-Hicks Road intersection improvements;
2. Boundary survey of PG&E easement and private properties;
3. Road improvement at the intersection of the Mount Umunhum flagpole area; and
4. An allowance for construction administration.

### SUMMARY

To address unanticipated roadway issues discovered during the design process, the General Manager recommends amending the contract with PEI by an additional \$46,285 for the following work items:

- Survey and engineering to widen Mount Umunhum Road at the Hicks Road intersection, and production of County required encroachment permit submittals;
- Boundary topographic surveys of private properties and an existing PG&E easement in support of the District's ongoing road right acquisition effort.
- Additional design for roadway drainage and circulation improvements.
- An allowance for construction administration.

Consultant work on these additional scope items has not commenced, and are pending Board approval of the proposed contract amendment. Sufficient funds are provided in the Fiscal Year (FY) 2015-16 budget and requested in the proposed FY16-17 budget to cover this amendment.

### MEASURE AA

The 5-year Measure AA (MAA) Project List approved by the Board at their October 29, 2014 meeting includes the Road Project as part of Measure AA Portfolio #23, Mt. Umunhum Public Access and Interpretation Projects, with a total Portfolio funding allocation of \$27.972 Million. This contract amendment is well within the remaining funds and serves to further the goals of Portfolio #23 by providing the necessary design documents and technical support necessary to

repair Mount Umunhum Road to a level that can accommodate public vehicular access to the summit.

## BACKGROUND

On July 8, 2015, the Board awarded a contract to PEI for \$268,172, with a contingency of \$40,228, for a total not-to-exceed contract amount of \$308,400, for design and engineering of roadway safety, drainage, and slope stability improvements on Mount Umunhum Road in Sierra Azul Open Space Preserve (R-15-103).

On November 4, 2015, the General Manager authorized the use of \$27,600 in Board-approved contingency funds for PEI to: complete additional survey work and video documentation of the roadway and associated drainage infrastructure in order to establish a baseline for future inquiries of work completed; project presentations to the District to confirm Project design elements and obtain Board approval of Plan Bid Set; and the preparation of as-built drawings at the completion of the Project. The remaining contingency amount of \$12,628 will be reserved for any additional unforeseen work that is above and beyond the scope of work identified in the original contract and this proposed amendment.

## DISCUSSION

This recommended contract amendment reflects a series of recent scope additions and discoveries necessitating additional work in order to finalize the roadway improvement design and bid plan set, as described below:

<b><i>Additional Tasks</i></b>	<b><i>\$46,685</i></b>
<b>Survey and Design of intersection with Hicks Road</b>	<b>\$12,175</b>
Topographic survey and engineering for the widening of Mount Umunhum Road at the intersection with Hicks Road are required to prepare detailed cross sections and elevations to include as part of an encroachment permit package to the County of Santa Clara Department of Roads and Airports. PEI will also incorporate the additional information into the construction documents.	
<b>Survey of PG&amp;E Easement and Private Properties</b>	<b>\$2,870</b>
Boundary survey of the existing PG&E easement and private properties in support of District's ongoing efforts for road rights acquisition.	
<b>Design of Additional Roadway and Drainage Infrastructure Improvements</b>	<b>\$11,640</b>
Design of roadway improvements within the Almaden Air Force Station flagpole area to accommodate an 18-foot wide road width, while protecting the existing flagpole island. The flagpole area was originally intended to remain unaltered by this contract. However, after further review and discussion, it was determined that a smaller flagpole area footprint that accommodates an 18-foot drive isle is necessary for safety and improved vehicle movement through this area. In addition, a number of smaller drainage improvements along the roadway require additional design and engineering to address erosion concerns that were identified during recent strong winter storms. It was determined that the original designs would need to be improved to handle the unexpected runoff and erosion problems that the drainage sites may present during major storms.	

**Construction Administration Allowance****\$20,000**

Construction administration services to allow PEI to respond to engineering questions and review product submittals during construction.

**FISCAL IMPACT**

The FY2015-16 and proposed FY16-17 budgets include sufficient funds for the recommended contract amendment. These costs are fully eligible for Measure AA reimbursement.

**BOARD COMMITTEE REVIEW**

Given the high level of Board interest in the Mount Umunhum Summit and Road projects, and the current timeline to open the summit to the public on October 22, 2016, this item is being brought directly forward to the full Board.

**PUBLIC NOTICE**

Public notice was provided as required by the Brown Act.

**CEQA COMPLIANCE**

Construction of the Mount Umunhum Road Improvement Project was included in the Mount Umunhum Environmental Restoration and Public Access Plan EIR, which was certified by the Board on October 17, 2012 (R-12-91). Subsequently, the Board approved an EIR Addendum on December 9, 2015 (R-15-165) for minor project modifications related to installation of gates and fencing, and acquiring a road access easement to Mount Thayer for District vehicles, contractors, and emergency access only (no general public access).

**NEXT STEPS**

Pending Board approval, the General Manager will direct staff to amend the contract with PEI to complete the additional survey and engineering work required to finalize construction documents, which will form the basis for permit submittals and a Request for Bids package. A construction contract is anticipated to be brought to the Board in July.

Responsible Department Head:

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