



Midpeninsula Regional
Open Space District

R-17-92
Meeting 17-16
July 12, 2017

AGENDA ITEM 3

AGENDA ITEM

Award of Contract to Top Line Engineers, Inc., for construction of the Harkins Bridge Replacement Project at Purisima Creek Redwoods Open Space Preserve for a Base Contract Amount Not-to-Exceed \$226,200 and a Separate 15% Contingency of \$33,930

GENERAL MANAGER'S RECOMMENDATIONS

1. Authorize the General Manager to enter into a contract with Top Line Engineers, Inc., of Hayward, California for a not-to-exceed base contract amount of \$226,200.
2. Authorize a 15% contingency of \$33,930 to be reserved for unanticipated issues, thus allowing the total contract amount not-to-exceed \$260,130.

SUMMARY

The scope of work for the Harkins Bridge Replacement Project includes removal of the existing railcar bridge, installation of a temporary bridge crossing for use during construction, and installation of a new District-supplied bridge approximately 100 feet upstream of the existing bridge location. A Request for Bids was issued on May 31, 2017. The District received four (4) bid proposals on Wednesday, June 21, 2017. Top Line Engineers, Inc., is the lowest responsive and responsible bidder. Therefore, the General Manager recommends awarding the contract to Top Line Engineers, Inc., for a base amount of \$226,200, and authorizing a 15% contingency amount of \$33,930. Sufficient funds for the Project are included in the Fiscal Year (FY)2017-18 Budget. Work would begin at the end of July or beginning of August.

DISCUSSION

In December 2014, the District contracted with Questa Engineering to complete assessments of several bridges and make recommendations for use, maintenance, or replacement. The existing Harkins Bridge, located near the lower parking lot of Purisima Creek Redwoods Open Space Preserve, was identified for replacement due to structural deterioration and lack of structural capacity to accommodate patrol, maintenance, and emergency vehicles. Use of the existing bridge is currently limited to equestrians, hikers, and bicyclists. Additionally, the existing bridge lies below the required height to accommodate a 50-year storm flow and is supported by soil and large, rotted redwood logs.

Design, engineering and permitting work to replace the Harkins Bridge was included in the Board-approved FY2014-15 Action Plan. The design for this project was completed in 2016. Permits and consultations with the United States Fish and Wildlife Service, United States Army

Corp of Engineers, Regional Water Quality Control Board, and San Mateo County were secured or completed in June 2017.

The scope of work under the recommended contract includes:

- Creek water management
- Erosion control
- Addition of aggregate road base
- Temporary bridge installation
- Existing bridge removal and disposal
- Miscellaneous demolition, removal of two (2) Alder trees, and material disposal
- Concrete installation for footings and piles
- New bridge installation
- Planting restoration

Demolition Waste Stream Diversion

At the January 14, 2015 regular meeting (R-15-01), the Board approved the Construction and Demolition Waste Diversion Policy (Policy number 4.08), which sets as a goal the 100% diversion of recyclable and salvageable construction and demolition material. The existing bridge consists of partially rotted wood and an old rail car for support. The contractor will recycle as much material from the existing bridge as possible. The temporary bridge will be constructed in a fashion that the materials used will be able to be reused by the contractor on a future project.

Top Line Engineers, Inc., Selection

A Request for Bids was issued on May 31, 2017 and released to six (6) builders' exchanges. A legal notice was posted in the San Jose Mercury News and an Invitation to Bid was posted on the District website. Finally, staff contacted twenty-one (21) contractors to notify them of this Project prior to bid. A pre-bid meeting was held on June 8, 2017. Four (4) prime contractors attended this pre-bid meeting. Four (4) bids were received on June 21, 2017 as listed below:

Bidder	Location	Total Bid	Percent +/- from Engineer's Estimate (\$251,000)
Top Line Engineers, Inc.	Hayward, CA	\$226,200	(11%)
Bridgeway Civil Constructors	Fairfield, CA	\$370,530	48%
Granite Rock Company	Watsonville, CA	\$380,613	52 %
McGuire & Hester	Oakland, CA	\$399,795	59%

Upon review of the Bid Proposals and confirmation of the contractor's qualifications, the General Manager recommends awarding the contract to Top Line Engineers, Inc., as the lowest responsible bidder who submitted a responsive bid.

FISCAL IMPACT

The 5-year Measure AA Project List approved by the Board at their October 29, 2014 meeting includes Portfolio #3, "*Purisima Creek Redwoods: Purisima-to-Sea Trail Completion*,

Watershed Protection & Conservation Grazing Projects”, with a total allocation of \$7,608,000. MAA 03-04 covers all work associated with the Harkins Bridge demolition and replacement. Replacement of the bridge is important to realize the larger Purisima-to-the-Sea Trail corridor, as this bridge serves to connect multi-use trail visitors to the northernmost area of the Preserve and to the designated Ridge Trail corridor.

The proposed FY2017-18 MAA03-004 construction budget holds \$299,000 for the Harkins Bridge Replacement Project. There are sufficient funds in the upcoming budget to cover the recommended actions and expenditures.

	FY2017-18
Harkins Bridge Replacement Project construction budget (MAA 03-04)	\$299,000
Spent-to-Date as of 7/1/2017	\$0
Encumbrances:	\$0
Award of Contract:	\$226,200
Contingency 15%:	\$33,930
Budget Remaining (Proposed):	\$38,870

The following table outlines the Measure AA #003 Portfolio budget, costs-to-date, and the fiscal impact related to the Harkins Bridge Replacement Project.

MAA 003 Portfolio Appropriation	\$7,608,000
Life-to-Date Spent as of 6/30/2017:	\$464,703
Encumbrances:	\$69,702
Harkins Bridge Replacement Project (including 15% contingency):	\$260,130
Portfolio Balance Remaining (Proposed):	\$6,813,465

BOARD COMMITTEE REVIEW

The Planning and Natural Resources Committee reviewed the conceptual project design and budget on April 15, 2014. The Board subsequently approved the conceptual design of a prefabricated truss bridge on April 23, 2014. The Board also approved a contract with Excel Bridge on March 11, 2015 for prefabrication of the bridge.

PUBLIC NOTICE

Public notice of this Agenda Item was provided as required by the Brown Act.

CEQA COMPLIANCE

The Board certified an Initial Study/Mitigated Negative Declaration for the Project on December 17, 2014.

NEXT STEPS

If approved, the General Manager will enter into a contract with Top Line Engineers, Inc. Final contract signature is subject to meeting all District requirements, such as having all required insurance and bonding in place. Project construction will begin no later than August 2017 and be completed by the end of October 2017.

Attachment

1. Site Access and Project Site Map

Responsible Department Head:

Jason Lin, Engineering and Construction Department Manager

Prepared by:

Matt Brunnings, Capital Project Manager, Engineering and Construction Department

Graphics prepared by:

Torie Robinson, GIS Intern

Miramontes Ridge
Open Space Preserve

EXHIBIT 1

Burleigh H. Murray
Ranch State Park



Path: G:\Projects\Purisima_Creek_Redwoods\Purisima_Creek_Bridges\ProjectLocationV2.mxd
Created By: ahebert

Harkins Project Location Map

- MROSD Preserves
- Other Protected Open Space or Park Lands
- Watershed Land
- Management Agreement
- Non MROSD Conservation or Agricultural Easement
- MROSD Conservation or Agricultural Easement

- Private Property
- Developed Land

Midpeninsula Regional
Open Space District
(MROSD)



July, 2014



While the District strives to use the best available digital data, this data does not represent a legal survey and is merely a graphic illustration of geographic features.