



Midpeninsula Regional
Open Space District

R-15-42
Meeting 15-06
March 11, 2015

AGENDA ITEM 4

AGENDA ITEM

Harkins Bridge Selection and Award of Purchasing Contract

GENERAL MANAGER'S RECOMMENDATION

A handwritten signature in dark ink, appearing to be "S. J. ...", is written over the end of the "GENERAL MANAGER'S RECOMMENDATION" heading.

Authorize the General Manger to enter into contract with Excel Bridge Co. for an amount not-to-exceed \$71,170 to design, manufacture, store, and deliver a vehicle bridge, which includes a 5% contingency to cover any changes in fuel costs at the time of delivery and any minor modifications to the final design.

SUMMARY

The Harkins Bridge Replacement Project, **Measure AA 3-4**, entails the demolition of an existing deteriorated vehicle bridge and the construction of a new vehicle bridge 100' upstream in Purisima Creek Redwoods Open Space Preserve. On April 23rd, 2014 the Board approved the project approach and that a prefabricated truss bridge is the preferred option to replace the existing bridge. Staff is seeking authorization to procure the bridge.

DISCUSSION

The selection of a bridge is an essential part of delivering on this Measure AA project. The bridge design, manufacturing, and delivery process takes up to 20 weeks. For many projects, procurement is often done through the construction process and contract. The lead time of this project requires the District manage this process directly. By the District taking the lead, the estimated construction time is reduced by more than half and saves on the overhead expense of contractor procurement.

Staff is concurrently pursuing three permit processes. The streambed alteration permit with the CA Department of Fish and Wildlife has been submitted for review. The District's strong relationship with the Department and prior consultation should make the permit review time short. The project requires building, planning, and local coastal program review from San Mateo County. Permit review is underway, but requires a final bridge be specified for their review. The San Mateo Planning Commission meeting is tentatively scheduled for April, 2015. The project also requires construction in the jurisdiction of the Army Corps of Engineers (below the "ordinary high water mark") and, through the Corps, Section 7 consultation with the US Fish and Wildlife Service regarding California red-legged frog and marbeled murrelet.

The permit application to the Corps was submitted in November, 2014 concurrently with circulation of the Initial Study/Mitigated Negative Declaration (IS/MND), which the Board

certified on December 17th, 2014. The Corps has received the permit but has not reviewed the permit or initiated the Section 7 consultation with USFWS, which, once started, typically takes six months or longer.

Staff has negotiated the contract terms with Excel to include storage of the bridge if the permits are not in place in time for bidding, construction, and the seasonal work restrictions. This approach keeps procurement costs low while acknowledging the complex regulatory environment of the project.

Four prefabricated bridge manufacturers were solicited for bids for a prefabricated truss bridge meeting the engineer's specifications. Additionally, bids for 'bow truss' bridges were solicited. As seen in the following table, the bow truss option added \$10,000+ to the base bid price. Given the surrounding vegetation and limited visibility of the bridge, the added aesthetic value was not deemed worth the cost.

	Standard Truss	Bow Truss
Big R	\$68,629.13	\$82,634.18
Excel	\$67,780.50	\$76,540.50
Contech	\$105,886.50 *did not meet spec	Did not provide
Pioneer	\$75,202.41	Did not provide

FISCAL IMPACT

If awarded, the \$71,170 of costs would be covered under the larger project total \$600,000 budgeted in FY2015-16. Construction, engineering, biological monitoring, permits, and contingency constitute the majority of those costs.

BOARD COMMITTEE REVIEW

The project approach and selection of the bridge type were reviewed by the Planning and Natural Resources Committee on April 15th, 2014.

PUBLIC NOTICE

Public notice was provided as required by the Brown Act.

CEQA COMPLIANCE

The selection and procurement of the bridge is not a project under CEQA. The construction of the project is covered by the IS/MND adopted by the Board on December 17th, 2014.

NEXT STEPS

If approved, staff will finalize negotiations with Excel and coordinate the shop drawing submittal process with Questa Engineering. Staff will submit the final plans to San Mateo County for review. Staff will continue its efforts to assist the Army Corps and the USFWS with the permitting process. If all of the permits are not in place by July 1st, there will be insufficient time for bidding, contract awarding, and construction the FY2015-16. Excel will hold the bridge and deliver late spring, early summer 2016.

Attachment

A: Example Bridge Design Features from Excel Bridge Co.

Responsible Department Head:

Michael Newburn, Operations Manager

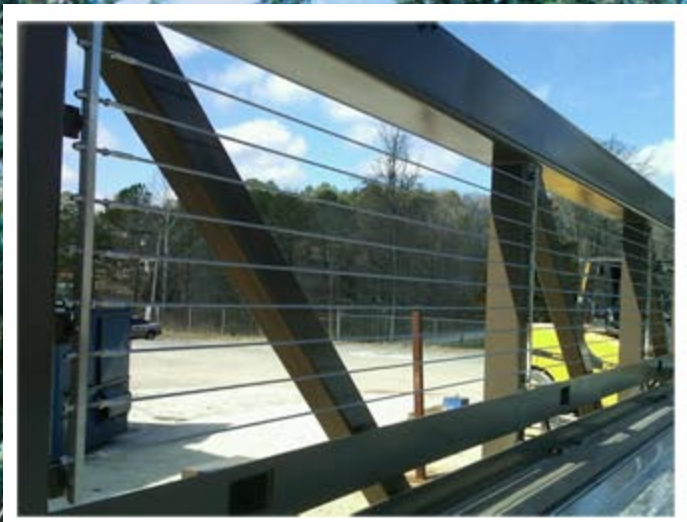
Prepared by:

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Attachment A: Example Bridge Design Features from Excel



Example Railing Detail