



CITY COUNCIL AGENDA REPORT

Meeting Date: May 21, 2020

From: Karen Kinser, Deputy Director of Public Works

Subject: Guadalupe Channel Erosion Control (Project No. 9018)

Community Goal/Result

Ecological Sustainability - Brisbane will be a leader in setting policies and practicing service delivery innovations that promote ecological sustainability

Purpose

The project repairs erosion at bends in the Guadalupe Channel east of Bayshore Boulevard to the Machinery Road Bridge, replants native trees, shrubs and grasses, and removes sediment in the mixing basin and culverts west of and under Bayshore.

Recommendation

1. Authorize publication of the Notice Inviting Bids for Guadalupe Channel Erosion Control (Project No. 9018).
2. Authorize the Mayor to sign the Agreement on the city's behalf with the low, responsive and responsible bidder, on the condition that the low, responsive and responsible bid price is less than or equal to the engineer's estimate plus a reasonable variance.

Background

On June 7, 2018, Council approved a professional services agreement with Wood Rodgers, Inc. and their subconsultants to provide civil and biological design, and environmental consultant services for the project. That agenda report is attached.

Discussion

The project reconstructs 400 feet of channel in the existing alignment by installing manufactured stabilization material along the channel bottom and along slopes in select locations. Those slopes will be laid back at a 27-degree angle and filled with rock and soil suitable for planting. Native trees, brush and seeds will be planted in a new "riparian oak woodland planting area" above the top of bank, in a "transition zone planting area", and in a "salt marsh area" (see Sheet 12 of plans). Additionally, built up sediment in the "mixing basin" west of Bayshore Boulevard and in the three culverts under Bayshore will be removed. During channel reconstruction, flows will be diverted and any fish in the stream will be relocated with nets.

Permits are required from the California Department of Fish and Wildlife, the San Francisco Bay Regional Water Quality Control Board, the Army Corps of Engineers, and the Bay Conservation

and Development Commission. Permit applications were submitted in March, and preliminary comments have been received. Permits are anticipated to be issued well in advance of the August 1, 2020 expected start of construction, with any final requirements incorporated either as an addendum to the bid documents or as a change order.

Environmental requirements and project factors dictate the bidding and construction timeline. Construction must start outside the raptor nesting season. The project biologist will perform a survey prior to construction, with nesting expected to be complete by mid-July. The just over two-month channel construction and hydro-seeding work must be complete before the October 15 start of the rainy season. Revegetation is best performed in the rainy season, and the city has contracted with the Watershed Nursery to have nearly 6,000 container plants ready for planting in December and January. The contractor is required to provide plant establishment for five years, which includes installation of a temporary irrigation system and replacement of any plants that do not survive and thrive in the first three years.

For California Environmental Quality Act (CEQA) compliance, the project was determined to require a Mitigated Negative Declaration (MND), which was adopted by City Council on January 16, 2020, together with the Mitigation Monitoring and Reporting Program (MMRP). No further action on the environmental determination is required by Council.

The MMRP and the permits will require extensive long-term monitoring, logging and reporting of the ecological conditions at the site beyond construction support services. Design subconsultant HT Harvey has estimated their costs to perform this work will be \$140,000.

Fiscal Impact

Fund 400-9018 had fees in the amount of \$1,400,000 collected from the NER Development Agreement for this work.

The engineer's estimate for the construction project to be advertised following recommendations in this staff report is \$659,500. Total project costs are as follows:

Construction cost estimate (base bid + additive alternates)	\$659,500
Contingency (15%)	\$ 98,925
Design fees	\$253,495
Additional soil sampling/soil handling plan	\$ 25,169
Plant procurement contract	\$ 44,099
Biological construction support, as-built permit reporting	\$ 53,068
Mitigated Negative Declaration filing fee	\$ 2,457
Total permit fees (RWQCB, CDFW)	\$ 41,126
10-year environmental monitoring	<u>\$140,000</u>
TOTAL	\$1,318,000

The timing of bidding and construction is controlled by conditions described in the Discussion section above. Final receipt and review of contractors' bids will need to occur in the summer when Council will not be meeting. Staff has therefore requested that in addition to approving the Notice Inviting Bids, Council also approve the Mayor signing an agreement with the low, responsive, responsible bidder as long as the contract amount is less than or equal to the engineer's estimate plus a reasonable variance. While we anticipate receiving favorable bids due to contractors experiencing a shortage of backlogged work, it is reasonable for estimates to vary plus or minus 15%. Assuming the contract is executed during summer recess, the matter will be brought back to Council in September for ratification.

Measure of Success

Opening of the project to competitive bids that will enable the City to select a qualified contractor for the construction work.

Attachments

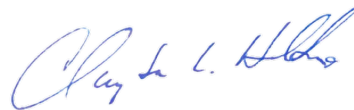
1. June 7, 2018 Council agenda report awarding PSA for design services to Wood Rodgers, Inc.
2. Guadalupe Channel Erosion Control Project contract documents



Karen Kinser, Deputy Director of Public Works



Randy Breault, Director of Public Works/City Engineer



Clay Holstine, City Manager