



- Board of Directors
Engineering and Operations Committee

5/14/2019 Board Meeting

7-1

Subject

Award \$648,745 contract to Pride Construction Engineering Services for erosion control improvements at Garvey Reservoir; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

This action awards a construction contract for stormwater drainage and erosion control improvements at three drainage zones within Metropolitan's fee property at the Garvey Reservoir facility. These improvements will collect and channelize runoff before it leaves Metropolitan's property line and will connect to either existing or future downstream offsite stormwater improvements.

Timing and Urgency

During significant storm events, surface runoff from Garvey Reservoir collects and flows downhill through piping systems, improved channels, and/or natural drainage courses. Stormwater runoff along the west and south boundaries of Metropolitan's fee property flows through 11 natural drainage zones created to address the unique characteristics of each drainage area, onto property owned by the city of Monterey Park (City) or private homeowners. Stormwater discharged onto private property is conveyed to City streets or county of Los Angeles (County) storm drains via existing natural or improved channels, drain ways, or buried pipe. Many of the drainage systems have deteriorated over time. Today, there are longstanding drainage and erosion issues within Metropolitan fee property along the west and south perimeters of the reservoir.

Staff has been in negotiations with the City and relevant private property owners for several years to address these drainage and erosion issues. In February 2016, the City and Metropolitan entered into an agreement to make temporary emergency improvements. In October 2016, Metropolitan's Board authorized the General Manager to negotiate and enter into agreements with the City and private property owners to make necessary long-term improvements to eight of the 11 zones. Since that time, work has been completed in 2 of the 11 zones as shown in **Attachment 1**. This board action authorizes improvements to three more of the 11 zones and staff will return to the Board for authorization to remediate three more zones. Resolution of the three remaining drainage zones are not addressed in the board action as they are expected to require more complicated design and negotiations.

This project has been reviewed in accordance with Metropolitan's Capital Investment Plan (CIP) prioritization criteria and is included in the Distribution System Reliability Program. Funds for this action are available within the appropriation for planned biennial CIP expenditures for fiscal years 2018/19 and 2019/20.

Details

Background

Garvey Reservoir was constructed in 1954 as a component of the Middle Feeder system. The reservoir receives treated water from the F. E. Weymouth Water Treatment Plant and has a maximum storage volume of 1,600 acre-feet. Garvey Reservoir provides critical hydraulic flexibility by stabilizing flowrates within the Middle Feeder and maintaining deliveries to member agency service connections when pipelines are shut down for maintenance.

Garvey Reservoir is located on the top of a hill and has earth-filled embankments that reach 150 feet in height along the north side and 130 feet along the south and west sides. Before the reservoir was constructed, stormwater runoff to the west and south of reservoir flowed through one of 11 natural drainage zones to natural drainage channels in the City. During and after construction of the reservoir, private developers and property owners altered natural drainage channels and constructed improvements to control and convey stormwater discharge from Metropolitan's property line to discharge at City streets and County storm drains.

Drainage issues arise during significant rain events and storm seasons. In February 2016, Metropolitan and the City entered into a Memorandum of Understanding for El Nino Preparedness and Cooperation. Under the MOU, Metropolitan constructed temporary improvements within the reservoir fee property to control stormwater along the west and south boundaries of the Garvey Reservoir facility for discharge at controlled outlet points. In October 2016, Metropolitan's Board authorized initiation of a comprehensive long-term solution to eight of the 11 natural drainage zones to the west and south of the Garvey Reservoir. This authorization included appropriation of funds and conditions for design and construction of offsite and onsite improvements.

Garvey Reservoir – Drainage Zones (Attachment 1)

In August 2017, the Board awarded a contract for construction of onsite drainage improvements at zones 1 and 5. Construction of the improvements was completed in August 2018. Temporary stormwater controls at zones 2, 3, and 4 that were constructed under the 2016 MOU are now at the end of their useful life and must be removed and replaced with permanent improvements before the 2019 storm season. Staff has completed final design of onsite drainage improvements to zones 2, 3, and 4, and recommends moving forward with construction with these sites under this board action.

Negotiations are underway between Metropolitan, the City, and private property owners regarding long-term improvements that could be constructed on private and City property to better convey collected drainage from Metropolitan's property line to discharge at City streets and County storm drains. Agreements, if reached, would be subject to approval by Metropolitan's General Manager and General Counsel as authorized by Metropolitan's Board in October 2016. The improvements to the three drainage zones considered under this action will include flexibility to connect to either existing or future downstream offsite drainage improvements, depending on whether or not final agreements have been reached with the City and/or individual private property owners by the time of completion of the subject construction contract. Metropolitan anticipates completing final negotiations with the City and the private property owners for needed offsite drainage improvements at these three zones in the near future, however, flexibility has been incorporated into the subject contract to delete portions of the work should agreements not be reached in a timely manner.

Erosion Control Improvements at Garvey Reservoir – Construction

The scope of the contract includes installation of perimeter fencing, erosion control improvements, storm drain piping, concrete channels, and concrete masonry walls, within Metropolitan's fee property at drainage zones 2, 3, and 4. The contract also includes connections to either existing or new offsite storm drains. The following section and **Attachment 2** provide allocation of budgeted funds.

Award of Construction Contract (Pride Construction Engineering Services)

Specifications No. 1930 for drainage and erosion control improvements at Garvey Reservoir was advertised for bids on March 6, 2019. As shown in **Attachment 3**, eight bids were received and opened on April 4, 2019. The low bid from Pride Construction Engineering Services in the amount of \$648,745 complies with requirements of the specifications. The seven higher bids ranged from \$849,430 to \$1,291,281, while the engineer's estimate was \$1,003,000. Staff investigated the difference between the engineer's estimate and the low bid and attributes the difference to the low bidder's specialized ability to self-perform this type of work. In addition, the low bidder indicated this work was bid aggressively as part of its corporate strategy to increase visibility in the public works market. For this contract, Metropolitan established a Small Business Enterprise participation level of at least 25 percent of the bid amount. Pride Construction Engineering Services has committed to meet this level of participation. The subcontractors for this contract are listed in **Attachment 4**.

This action awards a \$648,745 contract to Pride Construction Engineering Services to construct erosion control improvements within Metropolitan's property at Garvey Reservoir. A total of \$1.017 million has been budgeted for this work. In addition to the amount of the contract, other allocated funds include: \$96,000 for construction

inspection, \$71,000 for Metropolitan staff to review submittals, respond to requests for information, advise inspectors on technical issues as they arise, provide technical support, and prepare record drawings; \$66,000 for environmental monitoring during construction, contract administration, and project management; and \$135,255 for remaining budget.

Metropolitan staff will perform inspection of the construction. For this project, the performance metric goal for inspection is 14.8 percent of the total construction cost. Engineering Services' performance metric target range for inspection of projects with construction less than \$3 million is 9 to 15 percent. The total cost of construction for this project is \$1.017 million.

Summary

This action awards a \$648,745 contract to Pride Construction Engineering Services for drainage and erosion control improvements at the Garvey Reservoir facility. See **Attachment 2** for the Allocation of Budgeted Funds, **Attachment 3** for the Abstract of Bids, **Attachment 4** for the listing of Subcontractors for Low Bidder, and **Attachment 5** for the Location Map.

A total of \$1.017 million is required for this work. This project has been evaluated and recommended by Metropolitan's CIP Evaluation Team. Funds for this action are available within the appropriation for planned biennial CIP expenditures for fiscal year 2018/19 and 2019/20.

Project Milestone

December 2019 – Completion of drainage and erosion control improvements at three drainage zones at Garvey Reservoir

Policy

Metropolitan Water District Administrative Code Section 8121: General Authority of the General Manager to Enter Contracts

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 50613, dated October 11, 2016, the Board appropriated \$2.5 million, and authorized agreements with the city of Monterey Park and private property owners for permanent drainage and erosion control improvements offsite of Garvey Reservoir, and construction of permanent drainage and erosion control improvements at Garvey Reservoir.

By Minute Item 50911, dated August 15, 2017, the Board awarded a contract for construction of onsite drainage improvements to zones 1 and 5.

By Minute Item 51353, dated October 9, 2018, the Board appropriated a total of \$290 million for projects identified in the Capital Investment Plan for Fiscal Years 2018/2019 and 2019/20.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The project was previously determined to be categorically exempt under the provisions of CEQA (Class 1, Section 15301; Class 2, Section 15302; Class 3, Section 15303; Class 4, Section 15304; and Class 11, Section 15311 of the State CEQA Guidelines) on October 11, 2016. A Notice of Exemption (NOE) was filed on the project at that time and the statute of limitations has ended. With the current action, there are no substantial changes proposed to the project since the original NOE was filed. Hence, the previous environmental documentation in conjunction with the project fully complies with CEQA and the State CEQA Guidelines. Accordingly, no further CEQA documentation is necessary for the Board to act with regard to the proposed action.

CEQA determination for Option #2:

None required

Board Options

Option #1

Award \$648,745 contract to Pride Construction Engineering Services for drainage and erosion control improvements at Garvey Reservoir.

Fiscal Impact: \$1.017 million in capital funds

Business Analysis: These improvements will address drainage and erosion issues along Metropolitan's Garvey Reservoir boundary.

Option #2

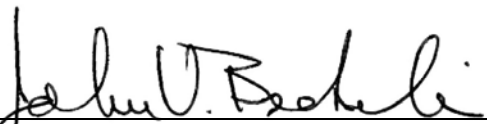
Do not proceed with the improvements at this time.

Fiscal Impact: None

Business Analysis: This option may increase overall costs and would forego an opportunity to better control storm flows.

Staff Recommendation

Option #1

	4/12/2019
John V. Bednarski Manager/Chief Engineer Engineering Services	Date

	4/26/2019
Jeffrey Nightlinger General Manager	Date

Attachment 1 – Garvey Reservoir – Drainage Zones

Attachment 2 – Allocation of Budgeted Funds

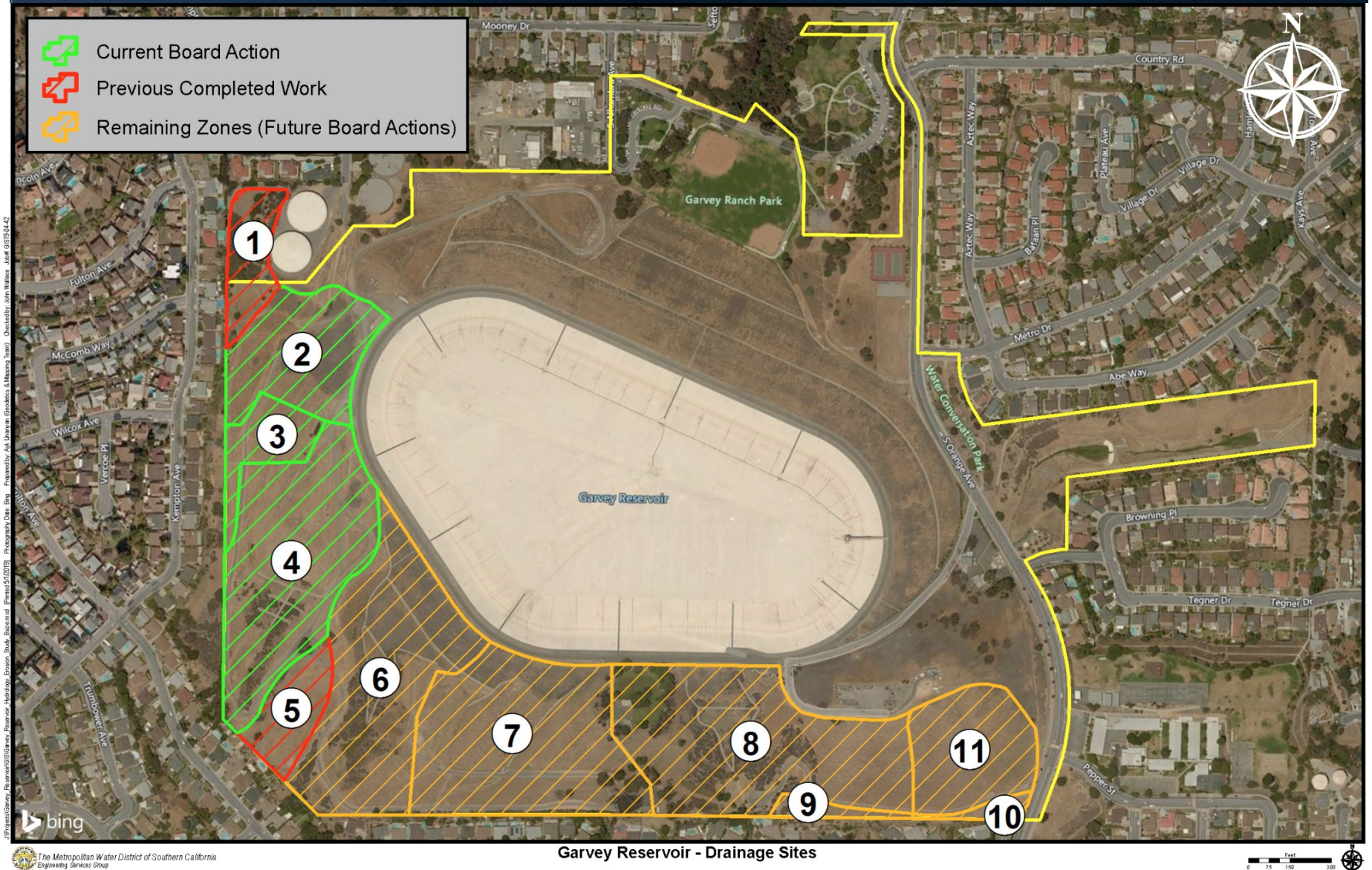
Attachment 3 – Abstract of Bids

Attachment 4 – Subcontractors for Low Bidder

Attachment 5 – Location Map

Ref# es12667092

Garvey Erosion-Drainage Zones



J:\Projects\Garvey, Riverside\GIS\Garvey, Riverside - Hydrology - Erosion - Drainage - Final\5/14/2019 - Photographs\Garvey, Riverside - Erosion - Drainage - Final\051519-04-02

Garvey Reservoir - Drainage Sites

Allocation of Budgeted Funds for Garvey Reservoir Drainage and Erosion Improvements

	Current Board Action (May 2019)
Labor	
Studies & Investigations	\$ -
Final Design	-
Owner Costs (Program mgmt., envir. monitoring)	66,000
Submittals Review & Record Drwgs.	71,000
Construction Inspection & Support	96,000
Metropolitan Force Construction	-
Materials & Supplies	-
Incidental Expenses	-
Professional/Technical Services	-
Right-of-Way	-
Equipment Use	-
Contracts	-
Pride Construction Engineering Services	648,745
Remaining Budget	135,255
Total	\$ 1,017,000

The total amount expended to date for the Garvey Reservoir Drainage and Erosion Improvements is approximately \$1.2 million. The total estimated cost to complete this project, including the amount appropriated to date, funds allocated for the work described in this action, and future construction costs, is anticipated to range from \$4.0 million to \$4.6 million.

The Metropolitan Water District of Southern California

Abstract of Bids Received on April 4, 2019 at 2:00 P.M.

**Specifications No. 1930
Garvey Reservoir Erosion and Drainage Improvements**

The project consists of installation of storm drain piping, concrete channels, stem walls, and erosion control measures at drainage zones 2, 3, and 4, and connection to offsite storm drains.

Engineer's estimate: \$1,003,000

Bidder and Location	Total	SBE \$	SBE %	Met SBE¹
Pride Construction Engineering Services Laguna Niguel, CA	\$648,745	\$648,745	100%	Yes
PK Construction Upland, CA	\$849,430			
Kaveh Engineering & Construction, Inc. Orange, CA	\$939,480			
Wright Construction Engineering Corp. San Marcos, CA	\$987,000			
Environmental Construction, Inc. Woodland Hills, CA	\$1,131,183			
Earth Construction & Mining Garden Grove, CA	\$1,234,000			
GMZ Engineering, Inc. Westlake Village, CA	\$1,247,220			
Advanced Construction Services, Inc. Norman, OK	\$1,291,281			

¹ Small Business Enterprise (SBE) participation level established at 25% for this contract.

The Metropolitan Water District of Southern California**Subcontractors for Low Bidder****Specifications No. 1930
Garvey Reservoir Erosion and Drainage Improvements**

Low bidder: Pride Construction Engineering Services

Subcontractor and Location
Greg Pierce DBA Fortress Fence Palmdale, CA
Marina Landscape, Inc. Orange, CA
Superior Paving Co. DBA United Paving Co. Corona, CA
Cal-Pointe Builders Santa Ana, CA
Ongrade V-Ditch Excavating, LLC Fontana, CA

Distribution System

