



City of Arts & Innovation

City Council Memorandum

TO: HONORABLE MAYOR AND CITY COUNCIL DATE: SEPTEMBER 15, 2020

FROM: PUBLIC WORKS DEPARTMENT WARD: 1

SUBJECT: BID NO. 7756 FOR THE CONSTRUCTION OF THE PHOENIX STORM DRAIN DIVERSION TO WEKA INC., IN THE AMOUNT OF \$567,729 AND COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT IN AN AMOUNT NOT TO EXCEED \$750,000 – SUPPLEMENTAL APPROPRIATION

ISSUE:

Award Bid No. 7756 for the construction of the Phoenix Storm Drain Diversion to Weka Inc., of Highland, California in the amount of \$567,729; and approve a Cooperative Agreement with the Riverside County Flood Control and Water Conservation District in an amount not to exceed \$750,000.

RECOMMENDATIONS:

That the City Council:

1. Award a construction contract for Bid No. 7756 for the construction of the Phoenix Storm Drain Improvements to Weka Inc., of Highland, California in the amount of \$567,729.00;
2. Approve a Cooperative Agreement with the Riverside County Flood Control and Water Conservation District in an amount not to exceed \$750,000;
3. Authorize a supplemental appropriation in Fund 410 – Storm Drain Capital Fund, Project Account No. 9916600-339000 in the amount of \$750,000.00 in anticipated Riverside County Flood Control and Water Conservation District Funds to Phoenix Storm Drain Diversion account and increase the estimated revenue by the same amount.
4. Authorize the City Manager, or his designee, to execute the construction contract with Weka Inc, including making minor and non-substantive changes; and
5. Authorize the City Manager or his designee to execute the Cooperative Agreement with the Riverside County Flood Control and Water Conservation District in an amount not to exceed \$750,000.00.

BACKGROUND:

In 2005, due to high levels of bacterial indicators in the Santa Ana River, the Santa Ana Regional Water Quality Control Board (Water Board) adopted the Middle Santa Ana River (MSAR) Bacterial Indicator Total Maximum Daily Loads (TMDL) for Reach 3 of the Santa Ana River. Most of the City of Riverside's stormwater runoff drains into this portion of the river. The TMDL required the City and other agencies to develop comprehensive plans to find and eliminate sources of bacterial indicators. Since that time the City has been involved in many programs to accomplish these goals including major sampling and analysis of local storm drain outfalls. Several outfalls were found with high levels of bacterial indicators including Hole Lake, Tequesquite Channel, Magnolia Center, and Phoenix. City and Riverside County Flood Control and Water Conservation District (District) staff have investigated these systems upstream with low to moderate success in finding causes.

Eliminating sources of bacterial indicators has proved very difficult in most cases. One of the methods found to accomplish this is to simply capture stormwater runoff and divert it to a wastewater collection system where the water can be cleaned through a treatment process. Normally, storm water and sewer discharge are two separate systems and do not mix. However, due to the increase in fecal matter and high bacteria counts in storm water, it can be diverted and treated. These types of storm drain diversions have been used in many cities throughout Los Angeles and Orange counties.

As previously mentioned, the Phoenix storm drain was one of the outfalls identified as having high levels of bacterial indicators. Its size and location made it a good candidate for a diversion. It is located in Martha Mclean-Anza Narrows Park (attachment 1) near the park entrance where the District's 72-inch storm drain pipe—the Phoenix Avenue storm drain main line—is outletting into the Santa Ana River. This project proposes to construct a diversion structure to divert Phoenix' nuisance storm water and convey it to the City's wastewater system. This will allow the storm water to be directed to the Regional Riverside Water Quality Control Plant to be treated. The diversion structure will divert low flow from the 72-inch pipe to the 48-inch Santa Ana River Trunk Sewer pipe via an 8-inch connector pipe. During low storm water flow, which is when fecal matter and bacterial counts are at their peak, the majority of the storm water will divert into the sewer system. In order to protect the sewer treatment plant, the diversion structure is designed with a rain sensor and during larger rain events will close the valve on the 8-inch connector pipe and no flow will be introduced into the sewer system.

This diversion structure will be the first one in the County of Riverside and will serve as a pilot program, both for the City and the District. City and district staff have collaboratively worked together in the development and planning of this project. This Project is one of many programs implemented by the City and the District in order to conform to the Water Board's stringent requirements for storm water quality discharging into the Santa Ana River.

DISCUSSION:

On May 14, 2020, Bid No. 7756 for the construction of the Phoenix Storm Drain Diversion was posted on PlanetBids to construct an 8-inch storm drain pipe, install stormwater pollutant capture device, storm drain manholes, mechanical equipment, and related ancillary structures in order to divert stormwater into a sewer manhole.

On June 8, 2020, eight bids were received for the construction of the project (Attachment 2). The lowest responsive bid was from Weka Inc, in the amount of \$567,729.00, which is 5.62% over the

Engineer's Estimate.

The Purchasing Manager concurs that the recommendation to award is in compliance with Purchasing Resolution 23256.

FISCAL IMPACT:

The estimated total project cost including construction, construction engineering, and contingencies is \$738,047. The District has committed to reimbursing the City for the \$567,729 construction contract award, the construction administration cost in the amount of \$113,545, and any construction change order up to \$56,773. Reimbursement of the construction contract award is anticipated to take place in October 2020. The project is estimated to be completed by April 2021. The construction administration and construction change order will be reimbursed by the District a few months after project completion. Pending approval of the supplemental appropriation, there will be sufficient funds available in Project account 9916600-440309 (Phoenix Storm Drain Diversion) to award the contract and complete the Project.

Prepared by: Kris Martinez, Public Works Director
Certified as to
availability of funds: Edward Enriquez, Chief Financial Officer/Treasurer
Approved by: Rafael Guzman, Assistant City Manager
Approved as to form: Gary G. Geuss, City Attorney

Attachments:

1. Project Location Map
2. Bid Award Recommendation