



## Agenda Report

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**File #:** 19-0575

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### **AGENDA REPORT REQUEST FOR CITY COUNCIL AND CORONA UTILITY AUTHORITY ACTION**

**DATE:** 06/19/2019

**TO:** Honorable Mayor and City Council Members  
Honorable President and Board Members

**FROM:** Public Works Department  
Department of Water and Power

**SUBJECT:**

City Council and Corona Utility Authority consideration of the Plans and Specifications for the WRF-3 Sewer Force Main Improvements, Project No. 2017-20 and the Temescal Canyon Road Backbone Project No. 2019-01, and award the bid.

**RECOMMENDED ACTION:**

That the:

1. City Council adopt the Plans and Specifications for the WRF-3 Sewer Force Main Improvements, Project No. 2017-20.
2. City Council adopt the Plans and Specifications for the Temescal Canyon Road Backbone Project No. 2019-01.
3. City Council award the bid, Notice Inviting Bids (NIB) 19-034HC, to Paulus Engineering, Inc., the lowest responsive, responsible bidder, for the total bid amount of \$1,374,606.29, and waive any and all minor irregularities in the bidding document as submitted by said bidder.
4. City Council authorize the City Manager, or his designee, to execute the Construction Contract with Paulus Engineering, Inc., in the amount of \$1,374,606.29, and approve necessary change orders up to twenty-five percent of the contract amount.
5. City Council authorize the Purchasing Manager to issue a purchase order to Paulus Engineering, Inc. in the amount of \$1,374,606.29.
6. City Council approve an appropriation of \$750,000.00 within the Electric Utility Fund (Fund

578) for a Capital Improvement Project titled “Temescal Canyon Road Backbone.”

7. Corona Utility Authority (CUA) review, ratify, and to the extent necessary, direct the City Council to take the above actions.

**ANALYSIS:**

The WRF-3 Sewer Force Main Improvements Project will construct approximately 1,895 linear feet (LF) of twin (2) parallel 10-inch high-density polyethylene pipelines across Temescal Canyon Road near the WRF-3 entrance, across Bedford Wash through a bored and jacked casing, within a utility easement on County of Riverside property parallel to Temescal Canyon Road, and along Cajalco Road to connect to existing pair of 10-inch sewer force mains at Grand Oaks. Work will include construction of the sewer force mains, air/vacuum valves, pipe sleeves, steel casing under the Bedford Wash, fiber optic conduits and pull boxes, surface repairs, and related work.

The City currently owns and operates WRF-3, a one million gallon per day (MGD) water reclamation facility located on Temescal Canyon Road and Cajalco Road. In order to reduce the long-term costs of its water reclamation operations, the City plans to decommission WRF-3 and re-route flows to be treated at WRF-1, located at Railroad Street near Klug Circle. The consolidation of treatment operations at WRF-1 will allow the City to reduce its long-term water reclamation costs. The sewer force main will support the effort to decommission WRF-3 by carrying sewage pumped by the future WRF-3 Sewer Lift Station to the existing Arantine Hills Sewer Lift Station.

The Temescal Canyon Road Backbone Project will construct approximately 1,660 LF of electrical conduit duct bank with four (4) 6-inch conduits and electrical vaults along Temescal Canyon Road, across Bedford Wash through a bored and jacked casing, within a utility easement on County of Riverside property parallel to Temescal Canyon Road where the south end will terminate at an existing duct bank that crosses Temescal Canyon Road to Dos Lagos; and then along Cajalco Road to Grand Oaks where the duct bank will cross Cajalco Road to terminate the north end at an existing electrical facility in the Crossings Center. This project will support the effort to increase power delivery capacity to the Department of Water and Power (DWP) power customers in the Dos Lagos and The Crossings service areas in the event of certain power service interruptions.

The sewer force main and electrical conduit projects generally follow the same utility alignment along Temescal Canyon Road and Cajalco Road and have been combined for construction under one contract to achieve construction, inspection, and administrative cost savings, and reduce the impact of construction activities to the public.

The project location and limits are shown on Exhibit “A.”

The Plans and Specifications for the WRF-3 Sewer Force Main Improvements Project were completed by K&A Engineering, Inc., and reviewed by City staff

The Plans and Specifications for the Temescal Canyon Road Backbone Project were completed by Butsko/NV5 and reviewed by City staff.

The projects were advertised per Corona Municipal Code and Public Contract Code requirements and are ready for adoption and award. The Plans and Specifications were advertised for both projects as a single contract on April 26, 2019. On May 21, 2019, five (5) valid bids were received

from prequalified contractors through the PlanetBids bidding service.

The following is a summary of the bid results and the Engineer's Estimate:

Contractor		Location	Bid Schedule
Engineer's Estimate			\$1,970,000
1	Paulus Engineering, Inc.	Anaheim	<b>\$1,374,606.29</b>
2	Weka, Inc.	Highland	\$1,389,863.00
3	Trautwein Construction, Inc.	Rancho Cucamonga	\$1,486,881.00
4	MNR Construction	La Verne	\$2,939,750.00
5	Norstar Plumbing & Engineering	Alta Loma	\$3,513,276.00

Staff reviewed all bids received and recommends awarding the contract based on the Bid Schedule for a total contract amount of \$1,374,606.29 to Paulus Engineering, Inc., as the lowest responsive, responsible bidder. All licenses and references for Paulus Engineering, Inc., have been reviewed and verified by City staff, and all other documentation is in order.

Construction is tentatively scheduled to commence in September 2019, with completion anticipated in January 2020.

**COMMITTEE ACTION:**

Not applicable.

**STRATEGIC PLAN:**

These projects will achieve one of the City's six strategic plan goals of 1. Promote Public Safety; Objective C: Ensure adequate funding for investments and improvements in infrastructure that support public safety.

**FISCAL IMPACT:**

Approval of the recommended actions will result in an appropriation of \$750,000 within the Electric Utility Fund (Fund 578).

Fund	07/01/18 Est. Working Capital	Budgeted Revenues/ Sources	Budgeted Expenditures/ Uses	Working Capital Impacts	06/30/19 Est. Working Capital
Electric Utility Fund (Fund 578)	\$16,117,397	\$18,192,942	(\$17,462,884)	(\$750,000) Appropriation	\$16,097,455

With approval of the recommended appropriation, funding for the "WRF-3 Sewer Force Main Improvements Project and the Temescal Canyon Road Backbone Project" will be available in the Fiscal Year 2018-19 Capital Improvement Project Budget as follows:

Fund Name	Fund	Project	Total
Water Reclamation Utility Fund	572	WRF-3 Sewer Force Main Improvements	\$2,187,092
Electric Utility Fund	578	Temescal Canyon Road Backbone	\$750,000
<b>Total Funding Available</b>			<b>\$2,937,092</b>

**ENVIRONMENTAL ANALYSIS:**

This action is categorically exempt from the California Environmental Quality Act (CEQA), pursuant to §21080.21 Application of Division to Public Right-of-Way Pipeline Projects Less than One Mile in Length, which exempts any project of less than one mile in length within a public street or highway or any other public right-of-way for the installation of a new pipeline. Therefore, no environmental analysis is required.

**PREPARED BY:** VERNON R. WEISMAN, P.E., DISTRICT ENGINEER

**REVIEWED BY:** TOM KOPER, P.E., ASSISTANT PUBLIC WORKS DIRECTOR

**REVIEWED BY:** NELSON D. NELSON, P.E., PUBLIC WORKS DIRECTOR

**REVIEWED BY:** TOM MOODY, GENERAL MANAGER

**REVIEWED BY:** CURTIS SHOWALTER, ADMINISTRATIVE MANAGER

**REVIEWED BY:** KIM SITTON, FINANCE MANAGER

**REVIEWED BY:** CITA LONGSWORTH, PURCHASING MANAGER

**REVIEWED BY:** KERRY D. EDEN, ASSISTANT CITY MANAGER/ADMINISTRATIVE SERVICES DIRECTOR

**REVIEWED BY:** MICHELE NISSEN, ASSISTANT CITY MANAGER

**SUBMITTED BY:** MITCHELL LANSDALL, ACTING CITY MANAGER& EXECUTIVE DIRECTOR

**Attachments:**

1. Exhibit "A" - Location Map
2. Construction Contract