



Staff Report

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**File #:** 24-0047

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**REQUEST FOR CITY COUNCIL AND  
CORONA UTILITY AUTHORITY ACTION**

**DATE:** 01/17/2024

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

**FROM:** Utilities Department

**SUBJECT:**  
MAINTENANCE/GENERAL SERVICES AGREEMENT WITH AUGUSTINE GENERAL ENGINEERING, INC.,  
FOR CRITICAL WATER MAIN REPLACEMENT ON CARMELITA AVENUE

**EXECUTIVE SUMMARY:**

This staff report asks City Council to approve a Maintenance/General Services Agreement with Augustine General Engineering, Inc. for a critical water main replacement project on Carmelita Avenue which will also include a small section of Arcadia Street and Coronita Street.

**RECOMMENDED ACTION:**

**That the City Council:**

- a. Award the Maintenance/General Services Agreement with Augustine General Engineering Inc., of Alta Loma, CA, in the amount of \$1,611,495 to perform critical water main replacement on Carmelita Avenue, a small section in Arcadia Street, and Coronita Street.
- b. Authorize the City Manager, or his designee, to execute the Maintenance/General Services Agreement with Augustine General Engineering Inc. for a total contract of \$1,611,495, including any non-substantive extensions, purchase orders, change orders and amendments up to \$100,000, as authorized in Corona Municipal Code [Section 3.08.060\(J\)](#).
- c. Authorize the creation of a new Capital Improvement Project titled "Carmelita Avenue Water Main Installation."
- d. Authorize an appropriation in the amount of \$1,711,495 from the Water Utility Fund 570 to the newly created Carmelita Avenue Water Main Installation Capital Improvement Project.

**That the Corona Utility Authority** review, ratify, and to the extent necessary, direct that the City Council take the above actions.

**BACKGROUND & HISTORY:**

The Utilities Department (UD) infrastructure division is responsible for operating and maintaining the City of Corona’s extensive network that comprises, operates, and maintains over 800 miles of water mains (including service laterals), over 24,000 system/control valves, and over 8,000 fire hydrants.

UD regularly installs water mains to replace aging pipes to improve system reliability and water quality. The department uses both in-house staff and contractors to install mainlines, water distribution system modifications for new developments, and repairs to ruptured pipelines. In addition, the staff recognizes that pipeline failures can lead to disruptions in the water supply and require road closures and repairs.

The existing 4-inch potable water main on Carmelita Avenue experienced four failures in the last 8 months causing disruptions in service and flooding of a property. The area has also experienced main breaks along Arcadia Street which is adjacent to Carmelita Avenue. The waterlines, which are a mix of steel pipe and asbestos cement pipe, were originally installed in 1957 making them 66 years old.

The service life of water mains depends on multiple factors, such as pipe condition, pH level, abrasion resistance, soil and water resistivity, chloride, sulfate, or acid corrosion, fire resistance, slow crack growth and oxidation of thermoplastics, electrochemical corrosion of steel, and working environment.

**ANALYSIS:**

Due to multiple breaks, property impacts, and continued disruption of the service, it was determined by the UD to solicit bids from the City’s on-call contractors to perform a water main replacement on Carmelita Avenue per Corona Municipal Code (CMC) [Section 3.08.140\(E\)](#) provisions, which state “**Purpose of bidding is otherwise accomplished.** When the purchasing agent and the authorized contracting party, with the approval of the City Manager, determine that it is in the best interest of the city and its administrative operations to dispense with public bidding for non-public projects under this chapter.”

This water main replacement project will maintain the operability of the potable water distribution system by replacing approximately 2,912 feet of existing lined steel pipe on Carmelita Avenue and 388 feet of existing asbestos cement pipe on Arcadia Street.

UD solicited bids from three (3) on-call contractors for the water main replacement. The following bids were received:

<b>Vendor</b>	<b>City</b>	<b>Bid amount</b>
Augustine General Engineering Inc.	Alta Loma	\$1,611,495
Valverde Construction Inc.	Santa Fe Springs	\$1,613,431

W.A. Rasic Construction	Long Beach	No bid submitted
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Of the two bids received, Augustine General Engineering Inc. offered the lowest price at \$1,611,495. Staff has verified the backgrounds and references of the contractor and is satisfied with their past performance. Additionally, staff determined the low bidder to be both responsive and responsible per the project contract and public code.

The contractor will provide all labor, materials, paving, and necessary equipment to install 3,300 linear feet of 8-inch ductile iron pipe with 38 1-inch water services, 2 1-inch airvac, 7 8-inch water main valves, 8 hydrants, and 8 6-inch hydrant laterals and hydrant valves.

The scope of work and estimated construction cost for the installation of the new water main on Carmelita Avenue, in accordance with the City of Corona’s Standard Plan (COC STD Plan), includes the abandonment of the failing 4-inch steel pipe and the 6-inch asbestos cement pipe. Construction cost submitted by Augustine General Engineering Inc. is outlined as follows:

NO.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	PRICE
1.	Mobilization/Demobilization	Lump Sum	1	\$22,000
2.	Traffic control (if needed)	Lump Sum	1	\$10,000
3.	Trench safety and shoring	Lump Sum	1	\$15,000
4.	Utility locating	Lump Sum	1	\$60,000
5.	Sawcut, excavate, and remove asphalt and native soil from trenches for water main, water services and hydrant laterals	Cubic Yard	1,112	\$44,480
6.	Furnish and install 8” pipe and all needed fittings, per city standards	Linear Foot	3,300	\$825,000
7.	Potable waterline pressure testing, flushing, disinfection, sampling bacteriological testing, and dichlorination of discharge water including temporary fittings, piping, and hoses to complete the work	Lump Sum	1	\$15,000
8.	Furnish and install 8” resilient wedge gate valve and valve per COC STD Plan 406, 412 and 422	Each	7	\$21,000
9.	Furnish and install 1” Air and vacuum release COC STD 413	Each	2	\$9,000

<b>10.</b>	Remove and dispose fire hydrant head and riser and abandon lateral at each end	Each	2	\$3,000
<b>11.</b>	Furnish and install fire hydrant assembly and blue dot markers COC STD 150, 416 and 422	Each	8	\$52,000
<b>12.</b>	Furnish and install 6" pipe and all needed fittings for fire hydrant lateral, per COC STD Plan	Linear Foot	85	\$51,000
<b>13.</b>	Furnish and install (35) 1-inch water service lines per COC STD Plan 150 and 414 and re-connect to existing meter	Linear Foot	760	\$136,800
<b>14.</b>	Crushed miscellaneous base to backfill all trenches (full trench zone per COC STD Plan 150)	Cubic Yard	1,119	\$72,735
<b>15.</b>	AC Trench Asphalt slab per COC STD Plan 150, including asphalt for grind and cap	Ton	752	\$274,480
<b>SCHEDULE-TOTAL PRICE IN NUMBERS (ITEM 1-15)</b>				\$1,611,495

Staff recommends approval of the Maintenance/General Services Agreement with Augustine General Engineering, Inc. for the critical Water Main Replacement Project on Carmelita Avenue as it is in the best interest of the City to ensure operability and redundancy of the potable water system.

**FINANCIAL IMPACT:**

Approval of the recommended actions will result in an appropriation in the amount of \$1,711,495 from the Water Utility Fund 570 to the newly created Carmelita Avenue Water Main Installation Capital Improvement Project. There is sufficient working capital in the Water Utility Fund 570 for the recommended actions.

**ENVIRONMENTAL ANALYSIS:**

This action is categorically exempt pursuant to Section 15301 of the Guidelines for the California Environmental Quality Action (CEQA), which states that "operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the CEQA determination" and is therefore exempt from CEQA. This action involves repairs to existing infrastructure to maintain public health and safety. Therefore, is exempt from the requirements of CEQA, and no environmental analysis is required.

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**PREPARED BY:** AFTAB HUSSAIN, MAINTENANCE MANAGER

**REVIEWED BY:** TOM MOODY, DIRECTOR OF UTILITIES

**Attachments:**

1. Exhibit 1 - Maintenance/General Services Agreement