



## ENGINEERING SERVICES

**To:** Mayor and Town Council

**From:** Hulon T. Webb, Jr., Director of Engineering Services

**Through:** Harlan Jefferson, Town Manager

**Re:** Town Council Meeting – June 14, 2022

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**Agenda Item:**

Consider and act upon awarding Bid No. 2022-05-B, EDA Award No. 08-79-05522 to Archer Western Construction, related to the construction services for the Lower Pressure Plane (LPP) Pump Station and LPP Water Line Phase 2 project; and authorizing the Town Manager to execute a construction agreement for same.

**Description of Agenda Item:**

On May 10, 2022, at 10:00 AM, four (4) bids were received for the LPP Pump Station and LPP Water Line Phase 2 project. The project includes the construction of a new separate dedicated pump station to serve the Lower Pressure Plane, along with the necessary property improvements at the existing Custer Road Pump Station site northwest of the Lowe's development. Due to pending construction of the Brookhollow multi-family development adjacent to the Custer Road Pump Station site, this project also includes the installation of 2,060 LF of 42-inch water line from the proposed pump station extending to the west past the proposed Brookhollow multi-family development prior to the construction of that project. The remaining estimated 8,800 LF of 42-inch water line, required to connect the proposed pump station to the existing Lower Pressure Plane Water Line Phase 1 project at the intersection of Coit Road and Richland Boulevard, is in the easement acquisition process and is scheduled to be bid later this year.

The water line pipe was bid with two (2) options: Bar-Wrapped Concrete Cylinder Pipe (Option C) or Polyurethane Coated Steel Pipe (Option D). The 42-inch Bar-Wrapped Concrete Cylinder Pipe (Option C) was selected as the preferred pipe material due to its consistency with the Town's use in similar large diameter installations as well as it being the most economical.

The project was advertised using the A+B Bidding alternative procurement method to allow the Town to take into consideration the number of calendar days bid for completion of the project. The number of calendar days is multiplied by the value of a calendar day as listed below and added to each bidder's base bid time for completion in the evaluation process. The award is based on the low bidder's amount.

<u>Amount of Contract (\$)</u>	<u>Value of a Calendar Day(\$)</u>
\$1,500,000 to \$1,999,999.99	\$500 per day
\$2,000,000 to \$2,999,999.99	\$1,000 per day
\$3,000,000 to \$3,999,999.99	\$1,500 per day
\$4,000,000.00 or more	\$2,000 per day

The verified base bids for the LPP Pump Station ranged between \$15,466,683 and \$17,074,310, and the LPP Water Line Phase 2 bids ranged from \$811,640 to \$1,411,100, resulting in total bids for the project ranging from \$16,278,323 to \$18,485,410. The Engineer's estimate was \$13,894,700 for the LPP Pump Station and \$1,661,300 for the LPP Water Line Phase 2 for a total of \$15,556,000, which is slightly below the lowest bid. The proposed final completion times ranged from 540 calendar days to 640 calendar days.

The bids were tabulated in accordance with the evaluation criteria and after consideration of Costs and Time, Archer Western Construction was the selected firm that had the lowest bid for the project, with a cost of \$16,278,323 (Pump Station and Water Line), and time of 640 days for final completion. Archer Western Construction successfully completed the expansion of the existing Custer Road Pump Station in October 2019. Staff also checked the references provided and received positive feedback.

#### **Budget Impact:**

The cost for the construction of the Lower Pressure Plane (LPP) Pump Station and LPP Water Line Phase 2 project is \$16,278,323. The FY 2021-2022 Capital Improvement Program includes \$14,062,000 (of which \$3,000,000 was a grant from the EDA) for the LPP Pump Station construction, and \$8,684,000 for the estimated total 10,860 LF of 42-inch LPP Water Line construction from the proposed pump station to the intersection of Coit Road and Richland Boulevard (Account No. 760-6610-10-00-1501-WA). The funding for this project will include \$14,062,000 from the LPP Pump Station budget and \$2,216,323 (2,060 LF) from the LPP Water Line budget for this project. Even though the LPP Pump Station construction cost of \$15,466,683 exceeds the \$14,062,000 budget for the LPP Pump Station project, the current construction budget for the LPP Water Line project is anticipated to cover the increased costs of the pump station. The latest Engineer's estimate for the remaining estimated 8,800 LF of 42-inch water line, required to connect the proposed pump station to the existing Lower Pressure Plane Water Line Phase 1 project at the intersection of Coit Road and Richland Boulevard, is expected to be within the residual \$6,467,677 LPP Water Line budget.

#### **Legal Obligations and Review:**

Terrence Welch of Brown & Hofmeister, L.L.P., has approved the standard construction agreement as to form and legality.

#### **Attached Documents:**

1. Location Map
2. Bid Tabulation Summary
3. Construction Agreement

#### **Town Staff Recommendation:**

Town staff recommends that the Town Council award Bid No. 2022-05-B to Archer Western Construction, related to construction services for the Lower Pressure Plane Pump Station and Lower Pressure Plane Water Line Phase 2 project; and authorize the Town Manager to execute a construction agreement for same.

**Proposed Motion:**

I move to award Bid No. 2022-05-B to Archer Western Construction, related to construction services for the Lower Pressure Plane Pump Station and Lower Pressure Plane Water Line Phase 2 project; and authorize the Town Manager to execute a construction agreement for same.