



City Council Report

Date: October 15, 2018
To: City Council
Through: Kari Kent, Assistant City Manager
From: Beth Huning, City Engineer
Rob Kidder, Assistant City Engineer
Subject: City Well No.10 Collection Water line and Sidewalk Improvements
MacDonald at the Railroad Crossing

City Project No. CP0020CAP, CP0660MAC
Council District No. 4

Purpose and Recommendation

The purpose of this report is to provide information to the Council concerning the results of the bids received for the City Well No.10 Collection Water line and Sidewalk Improvements on MacDonald at the Railroad Crossing (See Exhibit "A" for the project location).

Staff recommends that Council award a contract for this project to the lowest responsible bidder, Team Fishel, in the amount of \$872,401.16, and authorize a change order allowance in the amount of \$87,240.12 (10%).

Background

The Water Resources Department determined the need to replace the existing 10-inch cast iron pipe water line from the City Well No.10 site to the existing connection point in Broadway Road. Staff recommended replacement due to the age of the existing line and accessibility concerns for maintenance purposes. The existing water line was constructed in 1946 and has exceeded its useful life. The existing water line runs south along Robson from the well site, east along 3rd Avenue, then south through various private properties which include the Union Pacific ("UPRR") rail yard and a private automotive business.

Accessing the existing water line to perform maintenance tasks is difficult because the line runs underneath numerous sets of railroad tracks (on the UPRR property). The existing water line is also difficult to assess as it crosses the automotive business property located directly south of the UPRR rail yard.

In addition, City staff has received several inquiries from residents regarding the condition

of the existing sidewalk along MacDonald at the UPRR crossing. The existing sidewalk along MacDonald, from 3rd Avenue to Broadway Road, is not continuous and is missing sections on both sides of the road at the UPRR crossing. As a result, safety issues exist due to pedestrians not being able to cross the UPRR tracks in a safe manner. The only level path at this location is along the gutter.

Discussion

This Project will consist of abandoning the existing 10-inch water line from the City Well No.10 site to the connection point in Broadway Road. A new 12-inch ductile iron water line will be installed in its place. The new water line will be installed along Robson, 3rd Avenue, and MacDonald. The new water line will be installed inside a new 30-inch steel casing pipe at the UPRR crossing on MacDonald to allow it to travel south to the new connection point in Broadway Road. Test stations and sacrificial anodes will be installed with the new water line to provide additional protection against corrosion.

The improvements will also include the addition of new concrete sidewalk on both sides of MacDonald at the UPRR crossing to complete a continuous stretch of walkway from 3rd Avenue to Broadway Road, as requested by area residents.

Once underway, construction of this project is anticipated to last no more than 4 months.

Alternatives

An alternative to this project would be to not construct these improvements. This is not recommended because the existing water line will continue to deteriorate and age to the point of failure which will impact services to customers. Also, if new sidewalk is not installed at the UPRR crossing, pedestrian safety issues will continue to be a concern at this location.

Fiscal Impact

The total authorized amount recommended for this project is \$959,641.28, based upon the lowest responsible bid \$872,401.16, plus an additional \$87,240.12 (10%) as a change order allowance. This change order allowance will only be utilized for approved change orders.

This project is funded by 2014 authorized Water Bonds and the 2018 Transportation Department Local Street Sales Tax fund.

Coordinated With

The Water Resources and Transportation Departments concur with this recommendation.

CITY OF MESA
MESA, ARIZONA

**City Well No.10 Collection Water line and Sidewalk Improvements
MacDonald at the Railroad Crossing**

PROJECT NO. CP0020CAP / CP0660MAC

Tabulation of Bids Received, Thursday, August 23, 2018 at 1:00 p.m.

ENGINEER'S ESTIMATE	\$811,090.00
1. The Fishel Construction Company DBA Team Fishel	\$872,401.16
2. Degan Construction, LLC.	\$883,183.00
3. Standard Construction Company	\$1,009,232.00
4. Garney Company	\$1,087,442.00
5. Action Direct, LLC DBA Red Point Construction	\$1,154,149.00
6. Scholz Contracting	Non Responsive