



ENGINEERING SERVICES

To: Mayor and Town Council

From: Pete Anaya, P.E., Assistant Director Engineering – Capital Projects

Through: Mario Canizares, Town Manager
Chuck Ewings, Assistant Town Manager
Hulon T. Webb, Jr., P.E., Director of Engineering Services

Re: Bid Award: Lower Pressure Plane Phase 2 Water Pipeline

Town Council Meeting – May 28, 2024

Strategic Visioning Priority: 1. Acceleration of Infrastructure

Agenda Item:

Consider and act upon authorizing the Town Manager to execute a Construction Agreement awarding CSP No. 2024-20-B to Mountain Cascade of Texas, LLC, related to the Lower Pressure Plane Phase 2 Water Pipeline project, for \$7,101,331.

Description of Agenda Item:

On April 25, 2024, at 2:00P.M., eight (8) Competitive Sealed Proposals were received for the Lower Pressure Plane Phase 2 Water Pipeline project. The project consists of all work needed to install 10,155 linear feet of forty-two-inch (42") water main along with all related clearing, grubbing, excavation, and restoration activities to connect to the existing 42" water main, located at the southwest corner of Coit Road and Richland Boulevard, and the new Lower Pressure Plane Pump Station. Two types of large diameter pipe materials were bid to ensure competitiveness. Option 1 was to construct the water main using 'bar wrapped concrete cylinder pipe' and Option 2 was to construct the water main using 'C200 polyurethane coated steel pipe'.

The project was advertised using the Competitive Sealed Proposal Construction alternative procurement method to allow the Town to award the projects to the contractor that offers the best value proposal based on the following criteria, which includes recently revised standard percentages based on direction from the Town Council:

- Qualifications and Experience (10%)
 - Outline contractor and subcontractor experience with similar projects.
 - Outline qualifications of key personnel assigned to this project.
 - Provide references.
- Project Timeline (25%)
- Cost Proposal (65%)

The verified proposal totals ranged from \$7,101,331 to \$12,717,475 for the Base Bid plus Option 1 and from \$6,925,511 to \$13,295,225 for the Base Bid plus Option 2. The Engineer's Estimate was \$10,275,000. The proposal's final completion times ranged from 273 calendar days to 395 calendar days.

Mountain Cascade of Texas, LLC, was the firm that ranked the highest after consideration of Costs, Time, and Qualifications with a cost of \$7,101,331 for the Base Bid plus Option 1. They were also ranked highest for the Base Bid plus Option 2 with a cost of \$6,925,511. Both Options reflected a project timeline of 360 calendar days. While the proposed project timeline was greater than many of the other proposals, the significant lower cost increased the overall ranking. The proposed project timeline of 360 calendars days does allow the project to be complete in early Summer 2025.

The decision to move forward with the Base Bid and Option 1 was made since there was minimal cost difference and the material would be consistent with the previous sections of the 42" water main also constructed of bar wrapped concrete cylinder pipe. Mountain Cascade of Texas, LLC., has not performed a project for the Town of Prosper but has successfully completed similar projects for the City of Denton. Staff checked the references provided and received positive feedback.

Budget Impact:

The cost for the construction of the project is \$7,101,331. The construction budget for the project is \$11,163,985 in Account No. 760-6610-10-00-1810-WA.

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 authorizing the Town Manager to execute a Construction Agreement awarding CSP No. 2024-20-B to Mountain Cascade of Texas, LLC, related to the Lower Pressure Plane Phase 2 Water Pipeline project, for \$7,101,331.

Proposed Motion:

I move to authorize the Town Manager to execute a Construction Agreement awarding CSP No. 2024-20-B to Mountain Cascade of Texas, LLC, related to the Lower Pressure Plane Phase 2 Water Pipeline project, for \$7,101,331.