



ENGINEERING SERVICES

To: Mayor and Town Council

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

Through: Harlan Jefferson, Town Manager
Rebecca Zook, Executive Director of Development and Infrastructure Services

Re: Town Council Meeting – September 8, 2020

Agenda Item:

Consider and act upon awarding Bid No. 2020-81-B to Accelerated Critical Path, Inc., related to construction services for the Prosper Trail/DNT Intersection Improvements project; and authorizing the Town Manager to execute a construction agreement for same.

Description of Agenda Item:

The project will expand the existing pavement at the intersection of Prosper Trail and the DNT to the fully developed intersection. This project was originally bid with the Coit Road and 380 Turn Lane Improvements project on March 26, 2020. Nine (9) bids were received with the total cost for the Prosper Trail/DNT Intersection Improvements project ranging from \$2,061,537.80 to \$4,134,722.05. The budgeted amount for the Prosper Trail/DNT Intersection Improvements project was \$1,600,00.00, and it was decided to not award the project to allow the design engineer to evaluate the design for possible cost savings and to allocate additional funding for the project. Also, it was thought that the economic situation at the time could have been a factor in the bids being higher than expected.

After reviewing the construction documents with the design engineer, it was acknowledged that the design included the construction of the ultimate width of pavement of Prosper Trail between the frontage roads. Until the north side of Prosper Trail is extended west of the DNT, there will be an extra 12' of pavement between the frontage roads that will be striped off, like what was recently constructed at the intersection of First Street and the DNT. Since the intersection could function without the outside westbound lane of pavement between the northbound and southbound frontage roads, and the associated concrete box culvert extension required for construction of the outside lane, the outside lane construction and associated culvert extension would be bid as an add alternate to the base bid. This would allow the Town the flexibility to consider the bids received and decide whether to proceed with the add alternate improvements now or with a future project, based on available funding. In addition, the PVC sleeves and pull boxes for future IT fiber were removed from the construction plans, resulting in an estimated cost savings of \$112,200.00, based on the lowest bid received on March 26, 2020.

On August 14, 2020, at 2:00 PM, five (5) new bids were received for the Prosper Trail/DNT Intersection Improvements project. The project was advertised using the A+B Bidding alternative procurement method to allow the Town to award the project to the contractor that offers the best value, taking into consideration the number of days bid. The number of days bid is multiplied by the value of a calendar day as listed below, and added to each bidder's base bid:

<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 bid totals ranged between \$1,836,759.20 and \$2,659,577.45, and the add alternate bid totals ranged between \$117,052.50 and \$153,606.70. Item 1.22 Wingwall (PW-1) (HW=11FT) was accidentally included in both the base bid and add alternate bid and since it was not needed in the base bid, was removed from the base bid totals. The add alternate items increased the total bid costs to between \$1,953,811.70 and \$2,813,184.15. The engineers estimate was \$1,715,593.00. The proposed final completion times ranged from 270 calendar days to 360 calendar days.

Accelerated Critical Path, Inc., was low bidder after consideration of Costs and Time, with a cost of \$1,953,811.70, (including the add alternate items) and time of 270 days for final completion. Accelerated Critical Path, Inc., recently successfully completed an airport service road for the City of Fort Worth and is currently working for the Town of Prosper on the Church Street and Parvin Street Sanitary Sewer and Drainage Improvements and Old Town Retention Pond projects. Staff checked the references provided and received positive feedback.

Budget Impact:

The cost for the construction of this project is \$1,953,811.70. The FY 2019-2020 Capital Improvement Program includes \$2,000,000 for the construction of the Prosper Trail/DNT Intersection Improvement project. The funding sources is Account No. 750-6610-10-00-1830-ST.

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. 2020-81-B to Accelerated Critical Path, Inc., related to construction services for the Prosper Trail/DNT Intersection Improvement project; and authorize the Town Manager to execute a construction agreement for same.

Proposed Motion:

I move to award Bid No. 2020-81-B to Accelerated Critical Path, Inc., related to construction services for the Prosper Trail/DNT Intersection Improvement project; and authorize the Town Manager to execute a construction agreement for same.