



MEMORANDUM

To: Mayor and City Council

From: Kumar Gali, P.E., Assistant Director of Public Works - Engineering
Kent Collins P.E., Director of Public Works

Date: January 12, 2021

Reference: Denton Tap Road Intersection Improvements Construction

2040: Pillar 0: Sustainable City Government
Goal 4: City Services to Ensure High Levels of Customer Satisfaction

General Information:

- The City's thoroughfares are built to their planned capacity.
- A number of intersections in the City would benefit from capacity improvements in the way of auxiliary lanes to maximize efficiency.
- Engineering services contract for Denton Tap Intersection improvements design in the amount of \$244,300.00 was awarded by council in July of 2019.
- Auxiliary lanes were designed at Denton Tap Road intersections of Parkway Boulevard, Sandy Lake Road, Bethel School Road and E Belt Line/Southwestern Boulevard.
- Engineer's estimated construction cost was \$2.89 Million.
- The City advertised for bids on October 30th and received three qualifying bids on November 19th.
- Alternative A was bid to evaluate the feasibility of replacing lime treatment with flex base to improve constructability and consistency of the final product.
- Rebcon, Inc. was the lowest bidder. The base bid price is \$2,578,808.70 plus an Alternative Bid A of \$198,340.00 for a total bid of \$2,777,148.70.

Introduction/ Analysis:

This agenda item is being presented to consider approval of awarding Bid # Q-1121-02 Denton Tap Intersection Improvements to Rebcon, Inc. in the amount of \$2,777,148.70 for the construction of

auxiliary lanes at four intersections of Denton Tap Road; funded through bond proceeds and roadway impact fees; and authorizing the City Manager to sign all necessary documents.

The locations of the auxiliary lanes included in this construction contract are as follows and are also shown on Attachment A:

- Denton Tap Road at Parkway Boulevard – southbound right-turn, westbound right-turn, eastbound right-turn, northbound additional left-turn
- Denton Tap Road at Sandy Lake Road – southbound right-turn
- Denton Tap Road at Bethel School Road – northbound right-turn, southbound right-turn, eastbound right-turn, westbound right-turn
- Denton Tap Road at E Belt Line Road/Southwestern Boulevard – southbound additional left-turn

This Denton Tap Road Intersection Improvements construction project work shall consist of construction of approximately 4,700 square yards of full-depth pavement for right and left turns lanes, traffic signal improvements, storm sewer inlet relocation, and 1,200 square yards of sidewalk construction at the Denton Tap Road intersections of Southwestern Boulevard, Bethel School Road, Sandy Lake Road, and Parkway Boulevard. Additionally, this work also includes the improvements to vehicle detection systems at various intersections throughout the City (27 intersections).

On November 19, 2020, the City opened three qualifying bids. Bids ranged from \$2,777,148.70 to \$3,049,776.11. Bids were evaluated based on the cost, qualifications, and references. Rebcon, Inc. was the lowest qualified bidder of the three bidders. Attachment B shows the bid tabulation from the three bids.

Legal Review:

The City's standard construction contract has been reviewed by legal periodically, with changes made as requested.

Fiscal Impact:

The fiscal impact of this item is \$2,777,148.70, funded through Bond proceeds and Roadway Impact fees.

Recommendation:

The Public Works Department recommends approval of this bid award to Rebcon, Inc.