



MEMORANDUM

To: Coppell Recreation Development Corporation

From: Ken Griffin, P.E., Director of Engineering and Public Works

Date: August 4, 2015

Reference: Denton Tap and Sandy Lake Road Streetscape Project

2030: Sustainable City Government, Goal 3
Excellent and Well-maintained City Infrastructure and Facilities

Introduction:

On May 19, 2015 the City of Coppell received and opened one bid for the construction of Denton Tap and Sandy Lake Streetscape Project. The project was bid as an “A+B+C” bid process where the “A” is the actual cost of work (items 1 through 41) and “B” is the number of calendar days bid multiplied by \$5000/day and “C” is the remainder of the work (items 42-99). The low A+B+C bid for comparison totaled \$4,676,310.22 from Pavecon Ltd. The contractor bid “B” as 200 calendar days which was also specified as the maximum number of days ($A[\$989,844.09] + B[200 * \$5000] + C[\$2,686,466.13] = \$4,676,310.22$). This project was designed by Teague Nall and Perkins, Inc. and their engineer’s estimate was \$4,292,828.96. There were also several alternate bid items included in the bid but not in the cost comparison “A+B+C”. These items totaled \$142,094.00. Actual construction costs total $\$989,844.09 + \$2,686,466.13 + \$142,094.00 = \$3,818,404.22$ plus \$15,000.00 for an incentive bonus.

The purpose of this project is to construct turn lanes at the intersection of Sandy Lake Road and Denton Tap Road, bury several power line segments and rehabilitate landscaping and irrigation of the median along Denton Tap Road, from the northern City limit (just south of Highland Drive) to Southwestern Boulevard. The project includes the utilities, drainage, paving and landscape.

Analysis:

Denton Tap Road and Sandy Lake Road are two of the major thoroughfares in the city and their intersection could be considered the heart of Coppell. Denton Tap Road was constructed in the mid 1980’s, East Sandy Lake in early 2000 and West Sandy Lake Road is nearing completion. The medians built with Denton Tap were advanced for its time with grass, trees and irrigation but now, based on safety and water issues, upgrades are needed.

When you drive into Coppell from Irving or Lewisville the goal is to make the driver aware that something positive happened. This is accomplished by changing the view along the roadway and in the medians. Therefore, this project deals not only with design issues, but also aesthetics.

This project will include improvements to the streetscape and landscaping for the Denton Tap Road medians. This will include replacing all the landscaping in the median on Denton Tap Road from Highland Dr. to Southwestern Blvd. The landscaping will be modified to be more drought tolerant and easier maintenance. Drought tolerant means that less water will be required and easier to maintain means that workers will not have to interact as much with the roadway to mow, edge and repair irrigation systems. The concept of drought tolerant medians is the new prototype that has been used on the west and east ends of Sandy Lake Road.

Also, along the Denton Tap Road median improvements, the goal is to replace the existing street lights with LED street lights. The LED streetlight concept is currently installed, for the new portion of Sandy Lake Road, west of Denton Tap Road and on Freeport Parkway, south of Sandy Lake.

Along with the streetscape and landscape improvements to the medians we will also include improvements to the intersection of Denton Tap Road and Sandy Lake Road. This will include adding additional capacity for vehicles by adding a north bound dedicated right turn lane along Denton Tap Road, adding a west bound dedicated right turn lane along Sandy Lake Road, expanding the west bound dual left turn lanes along Sandy Lake Road and extending the south bound left turn lane along Denton Tap Road. Along with these capacity improvements we will also bury any overhead utility lines within several hundred feet of the intersection to create a cleaner visual. The goal is for this intersection to “pop” when you drive through, so that you know you are in Coppell. The cleaner visual look will become a prototype for other major intersections in Coppell, much the same way as the “star” in this intersection created a prototype for other major intersections.

The overall project also includes entering into a contract with Oncor, Verizon and Time Warner Cable so they can bury their overhead lines in the immediate vicinity of the intersection, and the direct purchase of street lights and poles.

The City will be utilizing several funding sources for this work. The ¼ cent CRDC sales tax fund will be used for streetscape improvements and the Infrastructure Maintenance Fund will be used for the turn lane construction work.

Attached you will find a table detailing all of the costs associated with this project.

Total Project Costs: \$4,430,422.16 (Pavecon, Bury Utility Lines, Illumination)

Includes:

Pavecon:	\$3,818,404.22
Bury Utility Lines:	\$360,603.10
Illumination:	\$251,414.84

CRDC funds: \$3,873,105.47 (Portion of Pavecon, Utility line bury, Streetscape and Illumination)

Includes:

Pavecon:	\$3,261,087.53
Bury Utility Lines:	\$360,603.10
Illumination:	\$251,414.84

CIP funds: \$557,316.69 (Turn Lane Construction) additional \$15,000 incentive bonus.

Legal Review:

Agenda item did not require legal review.

Fiscal Impact:

The fiscal impact for CRDC funds of this item is \$3,873,105.47

Recommendation:

The Engineering Department recommends approval of awarding Bid #Q-0515-01 Denton Tap Road/Sandy Lake Road Streetscape Improvements project to Pavecon Ltd. and entering into various other agreements to complete the project.