

Meeting Date (?) 03/22/2016

Subject Matter* (?) Old Hearne Road Phase 1 Design Amendment
This must match rolling agenda entry

Department of Origin* ENGINEERING DEVELOPMENT

Submitted By* W. Paul Kaspar

Type of Meeting* BCD Special Regular

Classification* Public Hearing Consent Statutory Regular

Ordinance* None First Read Second Read First & Only Read

Strategic Initiative* Public Safety Service
 Economic Development Infrastructure
 Quality of Life

Agenda Item Description* Amendment to the Design Services Contract for the Old Hearne Road Phase 1 Project, City Project Number 332-411-425-611-DE-1506, to Jones & Carter, Inc. for the not to exceed amount of \$33,000.

Summary Statement *

This amendment to the design services contract with Jones & Carter, Inc. will expand the scope of the project to include traffic signal railroad preemption and a sidewalk extension into the Oak Park Grove neighborhood along Sims Avenue.

This amendment to the design contract will interconnect the UPRR signal with the proposed traffic signal at North Texas Avenue and Old Hearne Road, improving safety of the motorists by helping to prevent someone being trapped on the railroad crossing due to a red light at the traffic signal. It also will extend the sidewalk along the west side of North Sims Avenue from Ash Street to Boulevard Street, providing a pedestrian route between the Oak Park Grove neighborhood and the HEB grocery store as well as connecting to the existing sidewalk along San Jacinto Lane (SH 21). The sidewalk will cross the railroad outside of the existing gate arms for the roadway by installing additional railroad planking. If the proposed downtown quiet zone moves forward and includes this intersection, additional improvements will be required such as a pedestrian railroad crossing signal.

The additional cost of the design services in this amendment is \$33,000, which is a 4.8% increase to the original contract amount (\$692,000). If this amendment is approved, the total design services contract amount will be \$725,000.

The cost of constructing the two (2) additional items in this amendment is estimated at \$175,000, which is a 2.8% increase to the preliminary construction cost estimate (\$6,300,000). If this amendment is approved, the estimated total construction costs becomes \$6,475,000.

The design cost is higher than typically seen for the estimated additional construction costs because of the design coordination effort with UPRR and TXDOT for two (2) construction items. The first is the pedestrian crossing at the tracks that will allow the sidewalk route to remain continuous along the proposed construction route. The second is to provide the required traffic signal preemption design and coordination with both UPRR and TXDOT. Design cost for sidewalk outside of UPRR right-of-way is \$8,000 (survey and design) with estimated construction cost of \$105,000. The design costs inside UPRR right-of-way is \$19,000 (design and coordination) with estimated construction cost of \$50,000 for the pedestrian crossing. Significant coordination is needed with UPRR on this item. The signal pre-emption design includes coordinating with both TXDOT and UPRR for \$6,000 with estimated construction cost of \$20,000. It is expected that a lot of coordination back and forth between UPRR and TXDOT will be needed for this item.

The Old Hearne Road Phase 1 Project is listed in the City's approved Capital Improvement Program (CIP) for Fiscal Years 2014-2018. It is shown to be funded for design and right-of-way acquisition in Fiscal Year 2016 with future plans for construction funding in FY2020. In previous CIP discussions with the City Council, it was decided to accelerate the design to start in 2015 with hopes the construction funding could occur earlier as well, if all of the right-of-way is acquired in a timely manner.

The roadway is listed as a collector on the Thoroughfare Plan and serves significant vehicular and pedestrian travel through the area. It provides a direct connection between Bonham and Navarro school campuses as well as access to local shopping. Currently there are no sidewalks along this section of Old Hearne Road and the roadway is two lanes without shoulders or turn lanes. The project will significantly enhance the safety and travel efficiency of this section of Old Hearne Road and will complement the work that is under design with similar improvements along Wilkes Street and Old Hearne Road to the Wilhelm Drive intersection.

This project will reconstruct Old Hearne Road (from Wilhelm Drive to North Texas Avenue) and a short section of North Sims Avenue (from North Texas Avenue across the railroad tracks to Ash Street). Approximately 4,750 linear feet of Old Hearne Road will be widened to a 38-foot wide 3-lane concrete curb and gutter section, with sidewalks on both sides of the road, street lighting, and a storm sewer system. A 400 linear foot section of North Sims Avenue will receive a similar treatment, except the roadway will be 27-feet wide as this section is not on the Thoroughfare Plan as a collector and the existing railroad crossing would have to be widened, which is unlikely. Union Pacific Railroad (UPRR) has previously asked to close this crossing so they will not be in favor of widening. Additionally there will be concurrent replacement of approximately 4,300 linear feet of sanitary sewer lines and 5,500 linear feet of water line including looping and increases in sizing to improve flows, capacities, and conditions of these utility systems in this area. Finally, there will be a new traffic signal system installed at the intersection of North Texas Avenue and Old Hearne Road, with ADA facilities, enhanced pedestrian features, and crosswalk striping to improve vehicular and pedestrian safety.

Staff Analysis & Recommendation*

Staff recommends approving Amendment No. 1 to the Engineering Services Contract for the Old Hearne Road Phase 1 Project, City Project Number 332-411-425-611-DE-1506, for the not-to-exceed amount of \$33,000. This action will improve the safety of motorists crossing the railroad on Sims Avenue as well as improve pedestrian access to the Oak Park Grove neighborhood.

Options*

(In Suggested Order of Staff Preference)

1. Approve Amendment No. 1 to the Engineering Services Contract
2. Do not approve Amendment No. 1 to the Engineering Services Contract

Funding Source*

General Fund 811 = \$33,000 (to be reimbursed by FY16 bond funds)

Attachments

Old Hearne Ph 1 - Amendment 1 Attachments.pdf

1.63MB

Please detail attachments and note attachments available for viewing in City Secretary's Office:

****both attachments are in a single pdf file****

1. Map
2. Amendment No. 1 to the Engineering Services Contract

Dept. Head Signature



JAYSON E. PALFRECHT 03/10/16

Deputy City Manager Signature



Hugh R. Walker

City Manager Signature



City Attorney Signature



Janis K. Hampton