



Legislation Text

File #: ID#18-239, **Version:** 1

AGENDA CAPTION:

Consider approval, by motion, of Change in Service No. 3 with Kimley Horn and Associates for Engineering Services related to providing design and construction phase services for the Sessom Creek Wastewater Replacement from N.LBJ to Canyon Road Project in a not to exceed amount of \$232,555.00.

Meeting date: May 15, 2018

Department: Engineering and Capital Improvements

Amount & Source of Funding

Funds Required: \$232,555.00.

Account Number: C521

Funds Available: \$352,918

Account Name: SESSOM IMPR. - N.LBJ TO COMANCHE - C521

Fiscal Note:

Prior Council Action: Resolution 2017-121R on August 15, 2017

City Council Strategic Initiative: [Please select from the dropdown menu below]

Stormwater

Goal #9 Protect & Preserve San Marcos River and Edwards Aquifer Recharge Zone

Choose an item.

Comprehensive Plan Element (s): [Please select the Plan element(s) and Goal # from dropdown menu below]

☐ Economic Development - Choose an item.

☐ Environment & Resource Protection - Choose an item.

☒ Land Use - Set appropriate density & impervious cover limitations in environmentally sensitive areas to avoid adverse impacts on water supply

☐ Neighborhoods & Housing - Choose an item.

☐ Parks, Public Spaces & Facilities - Choose an item.

☐ Transportation - Choose an item.

☐ Not Applicable

Master Plan: *[Please select the corresponding Master Plan from the dropdown menu below (if applicable)]*

Waste Water Master Plan

Background Information:

In 2013, the City hired RPS Espey to evaluate Sessom Creek from Canyon Road to Aquarena Springs Drive. In this report, RPS Espey identified several conceptual level solutions. The highest priority project, according to this report, is to relocate the exposed wastewater trunk main in Sessom Creek from N.LBJ to Canyon Road.

The City executed a contract with Kimley Horn in August 2017 for providing design and construction phase services for the Sessom Creek Wastewater Replacement from N. LBJ to Canyon Road Project. The project consists of the following improvements:

- Sessom Drive Sanitary Sewer - the replacement of up to approximately 1,800 linear feet of 12-inch sanitary sewer line from N. LBJ Drive to Canyon Road along Sessom Drive.
- Canyon Road Water Line Relocation - the lowering of up to 60 linear feet of water lines currently exposed within Sessom Creek.
- Sessom Creek Restoration Project: Project Survey and Coordination - The Sessom Creek Restoration Project will be designed by John Gleason, LLC in a separate contract with the Edwards Aquifer Habit Conversation Plan (HCP). The City and HCP agreed on the following scope for the Creek Restoration Project.
 - Stabilizing Sessom Creek from N.LBJ to Canyon Road to prevent sedimentation from entering the San Marcos River.
 - Repairing two (2) separate drainage outfalls along Sessom Drive and Sessom Creek
 - Repair sections of Canyon Road that have been damaged by Sessom Creek

As the HCP design on the Sessom Creek Restoration Project progressed, it was determined that design required to stabilize Canyon Road was going to be much more complicated and expensive due to the steep topography and high volume of water flowing along Sessom Creek.

This change in service adds the following additional scope to Kimley Horn's contract.

- **Canyon Road Sanitary Sewer** - the replacement and upsizing of approximately 500 linear feet of 6-inch sanitary sewer line to 8-inch sanitary sewer line along Canyon Road
- **Canyon Road Water Service Line Relocation** - the lowering and relocation of three (3) water services along Canyon Road.
- **Sessom Creek Environmental Assessment** - to evaluate whether formal notification to the U.S. Army Corps of Engineers (USACE) would be required for impacts to Waters of the U.S. (WOUS) resulting from the proposed project.
- **Sessom Creek Floodplain Study** - to develop the peak flows for 2-, 10-, 25-, 50-, 100-, and 500- year events (the "design storms")
- **Sessom Creek Bank Stabilization** - the stabilization of the Sessom Creek bank on the Canyon Road side of the creek for approximately 300 linear feet of creek with a gabion wall system.
- **Canyon Road Reconstruction** - The reconstruction of approximately 500 linear feet of roadway along Canyon Road. The project will also include the removal of approximately 275 linear feet of Loquat

Street south of the existing Canyon Road intersection. Turnarounds will be placed south of the removal limits on Loquat Street and on the northern limits of Canyon Road.

The total construction cost is estimated at \$3.7M to \$4.1M. The HCP has budgeted \$1.5 million towards the Creek Restoration Project.

Both the Sessom Creek Wastewater Replacement Project and the Sessom Creek Restoration Project will be combined and bid under one contract.

Construction should occur in 2019.

Council Committee, Board/Commission Action:

Click or tap here to enter text.

Alternatives:

Click or tap here to enter text.

Recommendation:

Staff recommends approval of this change in service.