



## Legislation Text

**File #:** 17-0119, **Version:** 1

Consider and take action on a resolution authorizing a professional services agreement with ARKK Engineers for the 2017 Sanitary Sewer Rehabilitation Project (WW1201A) in an amount not to exceed \$142,375 (Director of Public Works)

Approval of this resolution will authorize a professional services agreement with ARKK Engineers for the design and construction phase services related to the 2017 Sanitary Sewer Rehabilitation Project (WW1201A).

This project is a continuation of the multi-year systematic rehabilitation of the sanitary sewer collection system. It is intended to reduce the inflow/infiltration, blockages, overflows and other failures in the sanitary sewer system, as indicated in the City's agreement with the TCEQ. The 2017 Sanitary Sewer Rehabilitation Project will be targeting two major sanitary sewer trunk systems that were identified by the 2016 Sanitary Sewer Condition Survey to be in a deteriorated condition. These sanitary sewer trunk systems include: 1) an 18 through 30-inch ductile iron sanitary sewer trunk main along Hobbs Road, from FM 518 to Butler Road, and; along Butler Road to the Butler Road Lift Station, and; 2) a 10 thru 21-inch ductile iron and PVC sanitary sewer trunk main along FM 646 in the Bay Colony Area. It is anticipated that the primary method of pipe rehabilitation will be cured-in-place-pipe, along with the cementitious rehabilitation and coating of the manholes. The 2017 Sanitary Sewer Rehabilitation Project is funded for construction in FY 2018 in the amount of \$1,325,000.

ARKK Engineers was approved as one of the short listed professional service providers for water and wastewater design services. They have been instrumental in the City's annual program of evaluating and rehabilitating the wastewater system, and have shown experience and knowledge in the methods of utility infrastructure replacement and rehabilitation. ARKK is currently under contract with the City for the design and construction phase services of the 2015 Sanitary Sewer Rehabilitation Project, which is currently under construction. ARKK also performed the design and construction phase engineering services for the 2012 Sanitary Sewer Rehabilitation Project and the 2014 Sanitary Sewer Rehabilitation Project.

ARKK has submitted a proposal to perform the design and construction phase services in an amount not to exceed \$142,375, which includes the following:

### Basic Services

Design Services	\$ 89,950.00
Bid Phase Service	\$ 3,500.00
Construction Administration	\$ 18,925.00
Sub-total (Basic Services)	\$112,375.00

### Additional Services

Geotechnical Services	\$ 2,750.00
TxDot Permitting	\$ 1,500.00
Reproduction Cost	\$ 1,500.00
Construction Phase Support (hourly)	\$ 9,750.00
Pre and Post TV Evaluation	\$ 9,500.00
Miscellaneous Services (hourly)	\$ 5,000.00
Sub-total (Additional Services)	\$ 30,000.00

Total Fee	\$142,375.00
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ARKK's \$112,375 fee for basic services (Design \$89,950 + Bid Phase \$3,500 + Construction Admin. \$18,925) is 8.48% of the construction budget (\$1,325,000) which is less than the 9.45% allowable amount, per the Harris County Engineering Fee Curves.

Attachments:

1. Data Sheet
2. Proposed Resolution
3. Professional Services Agreement
4. ARKK Proposal Exhibits
5. CIP Program Sheet
6. CIP Program Aerial Map
7. 2016 Sanitary Sewer Condition Survey
8. Aerial Map Hobbs/Butler
9. Aerial Map FM646/Bay Colony

CONTRACT ORIGINATION: The proposed resolution and professional services agreement have been reviewed and approved as to form by the City Attorney

FUNDING

{ } NOT APPLICABLE

{x} Funding is available in the amount of \$142,375 from 2016 CO to be charged to project expense string WW1201A - PLAN DESIG-DESIGN-2016CO RS

{ } Requires Budget Amendment to transfer from Account # \_\_\_\_\_ to Account # \_\_\_\_\_