



# Pinellas County

## Staff Report

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File #: 20-1359A, Version: 1

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### **Subject:**

Ranking of firms and agreement with McKim and Creed, Inc. for professional engineering services pertaining to the North County sanitary sewer flow monitoring study.

### **Recommended Action:**

Approval of the ranking of firms for professional engineering services to perform an inflow and infiltration (I&I) flow monitoring study for the North County sanitary sewer system and award of agreement with the top ranked firm, McKim and Creed, Inc. (McKim).

- This contract is for professional engineering services for completion of the I&I flow monitoring and analysis of the North County sanitary sewer system.
- This project is part of the County's ongoing initiative to mitigate recurring sanitary sewer overflows (SSOs) and cost-effectively reduce the I&I that impacts the sewer collection system and water reclamation facilities.
- Data received from this study will be used to improve our hydraulic sewer model in alignment with the Wastewater Collection System Master Plan.
- Two Small Business Enterprise (SBE) firms are included with McKim's submittal for the North County sanitary sewer flow monitoring study: groundwater elevation analysis and groundwater wells expertise for SBE total fees in the amount of \$36,330.00, or approximately 4.5% of the total award.

Contract No. 190-0630-NC (SS), in the amount of \$799,973.00. The project is expected to be completed within 336 consecutive calendar days. Authorize the Chairman to sign and the Clerk of the Circuit Court to attest.

### **Strategic Plan:**

Foster Continual Economic Growth and Vitality

4.4 Invest in infrastructure to meet current and future needs

Deliver First Class Services to the Public and Our Customers

5.2 Be responsible stewards of the public's resources

### **Summary:**

The purpose of this contract is for the completion of infiltration and inflow (I&I) flow monitoring and analysis of the North County Sanitary Sewer System. The consultant will summarize the findings and recommendations from their analysis which will include I&I characterization, sewer zone prioritization analysis, recommendations for further investigation, and system improvements within each sewer zone. The data collection period is for five (5) months within both dry and wet weather season periods. Data received from this study will be used to improve our hydraulic sewer model in alignment with the Wastewater Collection System Master Plan.

**Background Information:**

In 2017, Utilities developed methodology and protocols to conduct I&I flow monitoring studies. The County has undertaken twenty-one (21) I&I flow monitoring studies for the South County Wastewater Collection System and one (1) small sewer zone in North County. This study is to conduct I&I flow monitoring for the remainder of the North County Sanitary Sewer System. This project is part of the County's ongoing initiative to mitigate recurring sanitary sewer overflows (SSOs) and cost-effectively reduce I&I that impacts the sewer collection system and water reclamation facilities (WRFs). Reducing and eliminating SSOs and I&I will reduce system damage and reactive maintenance.

**Fiscal Impact:**

Services not-to-exceed (total project): \$799,973.00

Funding for this project is derived from the Sewer Enterprise Fund.

**Staff Member Responsible:**

Megan Ross, Director, Utilities

Merry Celeste, Division Director, Purchasing and Risk Management, Administrative Services

Joe Lauro, Director, Administrative Services

**Partners:**

N/A

**Attachments:**

Agreement

Ranking Spreadsheet

Location Map