



The City of Daytona Beach

Utilities Department

TO: James V. Chisholm, City Manager

FROM: Shannon T. Ponitz, Utilities Director *STP*

DATE: August 24, 2018

SUBJECT: Work Authorization No. 29 with Carollo Engineers, Inc. – Contract No. 1307-1022 – Inflow and Infiltration Study

REQUEST

Utilities Department requests the City Commission adopt a resolution approving Work Authorization No. 29 under Contract No. 1307-1022 with Carollo Engineers, Inc., 200 East Robinson Street, Suite 1400, Orlando, Florida 32801 for an inflow and infiltration (I&I) study in an amount not to exceed \$119,033.30.

PURPOSE

The purpose of this item is to provide professional engineering services for an I&I study related to the Bethune Point Water Reclamation Facility collection system as part of a Florida Department of Environmental Protection (FDEP) permitting requirement.

CONSIDERATION

FDEP Permit No. FL0025984 requires improvement actions to be completed for the Bethune Point Water Reclamation Facility during the permit cycle. One improvement action involves submittal of an engineering study evaluating I&I in the collection system and listing projects with estimated completion dates. As part of the study, the Consultant will gather data from the collection system by installing flow meters and pressure loggers for a one month period and develop a corrective action plan with budget-level cost estimates for repairs. The Consultant will prepare a final inflow and infiltration report summarizing historical data, previous repairs, field testing plans, testing results and analyses, I&I reduction evaluations and a capital improvement plan. The final report will be submitted to FDEP to meet the permit requirement.

FUNDING

Funds are available in the Inflow and Infiltration Study Account No. 428-610000-536-565000-611818.

RECOMMENDATION

Utilities Department recommends the City Commission adopt a resolution approving Work Authorization No. 29 under Contract No. 1307-1022 with Carollo Engineers, Inc., 200 East Robinson Street, Suite 1400, Orlando, Florida 32801 for an inflow and infiltration (I&I) study in an amount not to exceed \$119,033.30.

ANTICIPATED SCHEDULE

Commission Approval	September 2018
Project Completion	January 2019

ATTACHMENTS

- Agenda Summary
- Work Authorization No. 29
- Sufficiency of Funds
- PowerPoint