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CITY COUNCIL AGENDA ITEM REPORT

DATE: November 1, 2023

SUBMITTED BY: Kim Clayback, Public Works & Utilities

ITEM TYPE: Agreement

AGENDA SECTION: CONSENT AGENDA

SUBJECT: FDEP Agreement 23FRP47 for Lift Station 03 Expansion and Lift Station 13 Demolition

SUGGESTED ACTION: Council to approve agreement with FDEP and authorize the Mayor to sign on behalf of the City

Is this item Quasijudicial?

No

Does this item require a public hearing?

No

EXPLANATION:

The purpose of the project is to storm harden the City of Bradenton's sanitary sewer system by eliminating Lift Station 13 (LS13), located immediately adjacent to the Manatee River on Riverside Drive East. The flow that currently goes to LS13 is proposed to be directed to an adjacent lift station (LS03) approximately 1600 LF to the south.

LS13 receives sanitary sewer flow from a small residential area (approximately 230 homes) in northeast Bradenton. Lift Station 03 (LS03) receives flow from approximately 110 single family residences. LS03 is a wet well-dry well station built in 1955 and located on a 50-ft x 145-ft parcel owned by the City of Bradenton. The parcel has more than adequate space to construct a submersible station with a finished floor elevation 12" -18" higher than the flood plain elevation.

To address public health and safety concerns and increase the resiliency of the overall sanitary sewer system, the City is proposing a project to eliminate LS13 entirely. This will require the construction of a new gravity sewer system that will redirect all sewage flows currently entering LS13. This new system will direct flows to the gravity sewer collection system to LS03. To receive the existing flows from LS13, LS03 will need to be upgraded to provide additional pumping capacity and its force main upgraded to handle the additional flow. Once the rebuilt LS03 is in service, LS13 will be demolished.

Neither lift station meets current building code for finished floor elevation in a flood zone or electrical components being outside of the 100YR floodplain, the rebuilding of LS03 shall be consistent with current City standards and bring the structure into compliance with current Florida Building Code.

FINANCIAL IMPACT:

Through a FDEP Resiliency Grant, the City will be reimbursed up to \$2,937,875 for the reconstruction of LS03 and the demolition of LS13 (50% of the expected cost). The remainder of the funding for the project will come from the Utility Infrastructure Fund.

ATTORNEY REVIEW/RECOMMENDATION:

Currently under review by Scott 10.23.23

SUGGESTED MOTION:

Motion to approve FDEP agreement 23FRP47 and authorize the Mayor to sign on behalf of the City

ATTACHMENTS:

[FDEP Agreement 23FRP47](#)