

**DEPARTMENTAL INPUT
PURPOSE DRIVEN PROCUREMENT SUBMISSION**

Date: February 26, 2025
To: Gary T. Hartfield, Division Director
Internal Services Department
Small Business Development Division
From: William Diaz
Construction Contracts Division
Department: Miami-Dade Water and Sewer Department
Contract Title Upgrade Sewage Pump Station No 0686
Contract No.: P16133
Estimate: \$1,475,400.00 (Construction \$1,009,571.43 + Allowances & Contingency \$465,828.57)
Funding Sources Water Revenue Bonds Sold

William Diaz

Department Head or Authorized Agent

DESCRIPTION OF PROJECT:

The Project generally consists of the following:

The project consists of furnishing all materials, labor, and equipment necessary to upgrade Sewage Pump Station No. 0686, including, but not limited to, providing uninterrupted by-pass pumping capabilities for the existing pump station flow during all construction times and until the new pump station is completely operational and accepted by the Owner; demolition of portion of on-site existing force mains; demolition of portion of the existing dry/wet well pump station structure including, but not limited to the following: the existing dry/wet well, pumping equipment and appurtenances, piping and fittings, conduits, and all other items deemed necessary to be removed; site preparation, clearing and grubbing as necessary; furnishing and installing new valve vault structure including concrete top slab and access hatch; furnishing and installing new concrete top slab with access hatch for existing wet well structure; furnishing and installing new submersible pumps and related equipment; all pipe, fittings and appurtenances for the new pump station and valve vault including emergency pump out piping connection; furnishing and installing new control panel, electrical service with main disconnect, motor connection box and including concrete slabs and mounting structures; coordination with FPL and connection of the new service to the proposed pump station; installation of concrete sidewalk to replace existing sidewalk; site restoration; start up and testing; and other appurtenant and miscellaneous items and work for a complete, satisfactory and functional installation. Pumping Station 0686 is located at 7900 SW 40th Street, Miami-Dade County Florida in Section 22, Township 54 South, Range 40 East, Miami-Dade County, Florida 33155. The new 8-inch ductile iron discharge force main piping will connect to the existing 10-inch ductile iron force main which terminates in the sidewalk in the right-of-way adjacent to the existing pump station.

The project scope includes furnishing all labor, material and equipment including, but not limited to, furnishing and installing 8-inch ductile iron pipe, valves and fittings for sewage force main; constructing automatic air release valve assembly (if required); making a connection to the existing 8-inch force main; perform maintenance of traffic (as required); temporary and permanent paving repairs (as required); re-installation of sidewalk; restoration of existing sodding and landscaping together with all other miscellaneous and appurtenant items and work for a complete, functional and satisfactory installation.

LICENSES REQUIRED:

General Building Contractor; General Engineering: Underground Utility / Excavation – Primary Electrical; General Mechanical; – SUB

MINIMUM EXPERIENCE REQUIRED:

The Bidder must have successfully completed the installation of a minimum of two (2) pump stations in an active Public Right of Way (swale area adjacent to transited road) within the last five (5) years. Experience shall include the installation of an eight (8) foot diameter and twenty (20) foot deep wet well (minimum), valve vault and sanitary sewer connections greater than twelve (12) feet while utilizing the installation of sheet piling, dewatering and/or commercial divers as well the maintenance of extensive Maintenance of Traffic Operations. The Electrical Subcontractor shall have successfully completed a minimum of one (1) project demonstrating experience with medium voltage power supply.

Purpose Driven Procurement Checklist attached.

Miami-Dade County Sustainability & Resilience Policy

Checklist Narrative

WASD Project Name: Pump Station 686 Upgrade

Relevant Project Elements

The project consists of upgrading an existing pump station located inside Tropical Park. The project is not located in a flood zone. The following project elements are relevant to the SBP, Envision, and Prescriptive Path Elements:

- Sea level rise (as an impact of Climate Change) was considered in the design of the project with the critical components elevated above the floodplain and a watertight hatch installed on the wet well.
- The project includes the installation of metering devices that will connect into WASD's SCADA system, allowing better benchmarking of energy use and performance.
- An LCCA was not conducted due to the requirement to install equipment with very specific parameters.
- The new equipment being installed is projected to be more efficient and reduce the overall energy consumption of the pump station, reducing Scope II GHG Emissions.
- The demolition of the existing pump station and management of fill material will align with the Envision framework and includes environmentally preferred procedures.
- Beautification elements include the replacement the fence around the property to match the park's aesthetic and the design was coordinated with the County's Parks Department.