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GOVERNOR

Florida Department of Transportation
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Miami, FL 33172-5800

JARED W. PERDUE, P.E.
SECRETARY

ADDENDUM NO. 1

DATE: June 02, 2022

TO: PROPOSERS

FROM: Suzanne Diaz
Procurement Office
District Six

RE:

Project / Proposal No.:	E6O17
Financial Project No.:	430291-6-92-01, 430291-6-92-02
County:	Miami-Dade County
Project Name:	ITS Device Replacement Project

Proposers and other interested parties are informed that the above referenced Project documents are hereby revised, changed, and supplemented as set forth below.

The revised Request for Proposal (RFP) dated June 02, 2022, is provided with this Addendum No. 1.

Set forth below are the revised Generator Replacement Requirements under the RFP's,

VI. Design and Construction Criteria
R. Intelligent Transportation System Plans
2. Design and Engineering Services

Generator Replacement Requirements

The Design-Build Firm shall be responsible for complying with the following requirements at all Project Generator replacement sites:

- Remove the existing generator, tank, automatic transfer switch, and any ancillary component of the existing backup generator system.
- Evaluate the usability of the existing concrete pad for the new generator. When reusing existing concrete pads, should any deficiencies or substandard conditions be found, the Design-Build Firm shall rectify the deficiencies or replace the existing concrete pad with a new concrete pad to fully accommodate the new generator.

- Furnish and install a new generator, Liquefied Petroleum Gas (LPG) tank, and supporting infrastructure, including but not limited to battery charger, automatic transfer switch, power and control circuits, and all mechanical and electrical interconnections for a fully functional and operational backup generator system. The new generator shall be provided with a weather protective enclosure.
- The new backup generator and its automatic transfer switch controllers shall be furnished and installed with the capability and configuration to be ready to communicate with a SCADA system by using a MODBUS RTU serial communications protocol/RS-485. An alternate to RS-485, if proposed by the Design Build Firm shall be subject to review and approval by the Department. The generator controllers for this Project shall, at a minimum, monitor the voltage, current, power, frequency, power factor, generator status, all generator alarms, low battery volts, and loss of battery charger's AC power, as well as be able to provide such information to a SCADA system.
- The new LPG tank shall be provided with an electric fuel level sensor capable and configured for remote monitoring of the LPG tank fuel level via a SCADA system.
- The nominal power of the new generator shall be, at a minimum, equal to the nominal power of the existing generator being replaced. The new LPG tank shall have capacity for 48 hours of continuous operation at full load.
- Furnish and install a manual transfer switch for connection of an external power source, as required in the FDM, and FDOT Standard Specifications.
- Evaluate the usability of the existing underground infrastructure, including conduits, pull boxes, and cabling. When reusing existing underground infrastructure, should any deficiencies or substandard conditions be found, the Design-Build Firm shall rectify the deficiencies or replace the existing underground infrastructure with new underground infrastructure.
- The new backup generator system shall meet the design and construction requirements from the FDOT FDM, FDOT Standard Specifications, NFPA 58, NFPA 110 for Type 10 and Level 2 systems, NEC, and all applicable standards and regulations.
- The new engine generator shall be certified to meet the Environmental Protection Agency (EPA) emergency stationary emissions requirements. The engine generator shall operate properly inside its weather protective enclosure at rated (full) load during outdoor ambient temperatures up to 110 degrees Fahrenheit. The enclosure shall be wind rated by the manufacturer in accordance with the Wind-Borne Debris Region map published in the current Florida Building Code.
- The new generator standby power rating shall be in accordance with ISO 3046-1.
- A Power Design Analysis Report (PDAR) shall be submitted to the Department for review and approval with each ITS Plan submittal. The PDAR shall include, but not be limited to, load and voltage drop calculation, and electric utility coordination documentation.
- Develop a technical specification for the new generators per FDOT's Basis of Estimates (BOE). The new technical specification shall address the generator size and incidentals, including but not limited to fuel tank, automatic transfer switch, warranty terms, and testing (e.g., standalone, operational, and others as required by NFPA 110, and as recommended by the manufacturer).

Site-Specific Generator Replacement/Removal Requirements

In addition to the Generator Replacement Requirements noted herein, the Design-Build Firm shall comply with the replacement and/or removal requirements noted in Table 4:

Table 4 - Site-Specific Generator Replacement/Removal Requirements

Site ID	Replacement/Removal Requirements
Florida City Hub Generator	• Remove the existing and install new supporting electrical infrastructure, including but not limited to meter, cables, SPD, disconnect and service pole. • Coordinate with the electric utility for the replacement of the meter and connection to the existing service.
SR 826/I-75 Hub Generator	• Remove the existing and install new supporting electrical infrastructure, including but not limited to meter, transformer, cables, SPD, disconnect and service pole. • Coordinate with the electric utility for the replacement of the meter and connection to the existing service.
I-195/SR 112 Hub Generator	• Remove the existing transformer and disconnect. • Install a new transformer, disconnect, and SPD. • Verify the usability of the existing service equipment (not currently located at the Hub Generator site), including but not limited to meter, service disconnect, and SPD. When reusing existing service equipment, should any deficiencies or substandard conditions be found, the Design-Build Firm shall rectify the deficiencies and/or coordinate with the electric utility and install new service equipment.
DMS FLD6DOT826NB001.3-LL Generator	• Remove existing generator, tank, concrete pad, disconnect, transfer switch, and all the associated components. • Furnish and install a new concrete service pole, SPD, and manual transfer switch. The manual transfer switch shall be equipped with a receptacle for connection of an external power source, such as a portable generator. • Make all the required connections to restore connectivity to the ITS cabinets fed from the existing service point.

You must acknowledge receipt of this **Addendum No. 1** when you submit your bid. **All other documents of the subject project remain unchanged.**

Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.