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January 28, 2010

TO ALL PURCHASERS OF CONTRACT DOCUMENTS:

RE: **Contract No. FT 2259-000-002**
Replace Generator at Fort McHenry Tunnel Administration Building

ADDENDUM NO. 2

To Whom It May Concern:

It is important that you acknowledge receipt of this Addendum No. 2 on the referenced contract regardless if you will be bidding or not bidding.

Very truly yours,

Linda D. McGill, CPPB
Chief Procurement Officer

Enclosures

Contract No. **FT 2259-000-002**

This will acknowledge receipt of the attached Addendum No.2.

_____
NAME OF COMPANY

_____ _____
SIGNATURE DATE

THIS SIGNED ADDENDUM ACKNOWLEDGEMENT PAGE SHALL BE RETURNED TO THIS OFFICE VIA **FAX AT 410-537-7801**, ATTENTION: MAGGIE JOHNSON PRIOR TO THE BID OPENING DATE.

IN ADDITION, THIS SIGNED ADDENDUM ACKNOWLEDGEMENT PAGE MUST BE ATTACHED TO THE OUTSIDE COVER OF THE BID BOOK. FAILURE TO DO SO MAY RESULT IN REJECTION OF YOUR BID.

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January 28, 2010

TO ALL PURCHASER'S OF CONTRACT DOCUMENTS

ADDENDUM NO. 2

RE: Contract No. FT 2259-000-002
Replace Generator at Fort McHenry Tunnel Administration Building

To Whom It May Concern:

The following changes have been made to the Invitation for Bids book:

1. Add the latest updated specification Section – 805 dated January 28, 2010 Addendum #2 for technical requirements.

2. Questions and Answers from Contractors – Two pages

The Bid Due Date for the above referenced contract remains unchanged **February 4, 2010** at 12:00 Noon.

Very truly yours,

Linda D. McGill, CPPB
Chief Procurement Officer

LM/mdj

THIS ADDENDUM SIGNED ACKNOWLEDGEMENT PAGE MUST BE ATTACHED TO THE OUTSIDE COVER OF THE BID BOOK. FAILURE TO DO SO MAY RESULT IN REJECTION OF YOUR BID.

805 ELECTRICAL CONDUITS AND FITTINGS.

See Section 805 of the SHA's *Standard Specifications for Construction and Materials* in conjunction with the changes shown in this Section.

805.03 CONSTRUCTION

ADD: The following after paragraph 805.03.10:

805.03.11 Guardrail. Where guardrail is to be placed, reset, removed, or otherwise worked in any manner that tends to disturb the earth, place conduits and wiring only after such work is complete so as to avoid damage to the electrical work.

805.03.12 Buried Conduit. Fiber optic conduits shall have a Minimum cover of 24" and a maximum cover of 48 inches in all trenches. Fiber optic conduits shall be placed so that a distance of two (2) inches or more exists between the outside of the conduit and virgin undisturbed earth.

805.03.13 Pull Cord. Pull cord shall be placed in all conduit runs for future use.

805.03.14 Cable Tray. A conduit run in between a cable tray shall end between 3 and 6 inches from the cable tray. Ends of conduit shall have compression fittings and grommets.

805.03.15 Conduit Type. All outdoor conduits underground, except as stated elsewhere in the contract, shall be PVC schedule 80. All outdoor conduits above ground, within concrete or exposed conduits shall be galvanized steel. All indoor conduits shall be EMT with compression connectors and couplers. At the transition between below ground and above ground conduit runs, the elbow and all conduit within 24" below grade to grade level shall be galvanized rigid steel.

805.03.16 Bend Radius. All conduits shall have a bend radius greater than the manufacturers recommended minimum bend radius of the cables inside the conduit.

805.03.17 Conduit Ends. The Contractor shall seal all conduit ends with an approved compression fitting.

805.03.18 Conduit Support. Conduits shall be supported within 2 feet of the beginning, and on each side, of a 90 degree bend or offset. Conduits shall be supported within 3 feet of a conduit body, junction box, pull box, or cabinet. Each support shall be applied to the straight section of conduit and shall be firm fixed support. Loose supports are permitted ONLY at

manufactured expansion joints as necessary to allow for the proper operation of the expansion joint.

805.03.19 Conduit Color. Conduit used indoors (EMT) shall be color coded where exposed. When the following systems are contained in the conduit, the color specified shall be used. The conduit color shall be continuous for the entire length (except fitting and hangers which may be colored to match or remain standard silver color) of conduit and may be factory applied or applied via spray paint in the field. If field applied, overspray onto other non-conduit surfaces shall not be permitted.

(a) Dedicated Security System conduit shall be Blue.

(b) Dedicated Fire Alarm System conduit shall be Red.

(c) Dedicated telephone/Data System, including fiber optic cables conduit shall be Yellow.

(d) Dedicated low voltage signaling, SCADA, and related PLC I/O, shall be orange.

(e) Dedicated radio system (police two way radio or other radio system) shall be green.

(f) All other conduits shall be standard silver.

805.03.20 Conduit Entry and Fittings to Cabinets. A cabinet shall be box or enclosure that houses an electronic device. If the cabinet is located in a wet location as defined by the code, or located outside, or is exposed to rain then all conduit or fitting entries shall be made through the bottom of the cabinet. In such cases, conduits may enter the side or rear of the cabinet only if the entry point is below ALL enclosed electronic gear, exposed terminal strips, circuit breakers, heaters, non-water proof splices, or any other electrical connection or device that is not by itself water proof. If the cabinet is interior, conduits that rise above the cabinet and are at any point exposed to an exterior, or unheated space, or wet or rain exposed space, shall also enter the cabinet as if the cabinet were an exterior cabinet.

805.03.21 Conduit drains. Underground Conduit stub ups installed in exterior locations shall have a ¼" round hole drilled 2" above grade, prior to installing wires or cables, to allow water to exit before filling the conduit enters the cabinet or building to which it is connected. All burrs and sharp edges shall be removed prior to pulling cable. The hole is not required where the conduit entry top the building or cabinet is at least 1' above the top of the nearest manhole, handhole, or other location that provides a lower drain point.

039-B

FT-2259-000-002, Replace Generator at Fort McHenry Tunnel Administration Building
Questions & Answers:

1. Specification Section 260519 – Insulated Wire and Cable;

Question: Page 075, 1.2 Materials A thru L lists various wire sizes and types. Does this list represent all of the wire types and sizes that will be utilized on this project? If this is the case, does this list have any significance other than providing general information as to the size and type of wire that is going to be used? Please clarify.

Answer: This list consists of all sizes of wires used in the project. This is the basis for selecting the wire manufacturers and submitting shop drawings.

2. Specification Section 263213 – Engine Generators;

Question: Page 095, 1.3 Materials items 5 thru 8 do not show conduit couplings. I assume this is just a simple error and couplings should be included in these items? Also, are these items the basic on which we should base our unit pricing on the bid form?

Answer: The specs define the EMT conduit to be installed at 15ft as "....including 2 terminations, 2 elbows and 11 beam clamps per 100 LF". This implies that the couplings are part of this conduit run. Items 8021 to 8024 are the base items to pay for a conduit installed exposed at 15ft height. That is the way the conduits are defined in Means which served the basis for Estimate.

3. Question: Specification Page 004 – references Maintenance of Traffic. Nowhere on the drawings are any references made to this. Is M.O.T. required on this project? If so, please provide areas and details.

Answer: No M.O.T. is required for this project. Work shall be generally performed inside the existing building.

4. Specification Section 262821 – Automatic Transfer Switches;

Question: Page 089, 1.2 Materials indicates generator set to be 250KW at 480V. On drawing E05, generator lists 265KW at 480V. Please clarify.

Answer: See Addendum#1. The 250KW is the class of the generators while the 265KW is the Standby Rating at 130 degrees C for 277/480V voltage system.

5. Question: The generator is located outside or inside building?

Answer: The permanent generator is located inside Fort McHenry Tunnel Administration Building, Generator room. The temporary generator is installed outside.

6. Question: The drawing show the new fuel pump being feed from Panel EMDP 2, 4, 6. it does not show any control panel or disconnects for the fuel pumps. These will be required for the fuel pumps to run properly and keep them from running constantly. Can you please address this?

Answer: See Specification Section – 263213 Engine Generators, 2.11 Duplex Fuel-Oil Transfer Pump Sets. Refer also to drawing M03 New Work Notes which states that the Fuel Oil Package should be provided with Lead-Lag Controller.