STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Paul R. LePage
GOVERNOR

David Bernhardt
COMMISSIONER

November 19, 2012
Subject: **Rockland Ferry Terminal**
Federal Project No: FBD-1834(200)
State WIN: 018342.00
Amendment No. 3

Dear Sir/Ms:

The following questions have been received:

Question: Size and quantity of conduits from generator to transfer switch.

Response: The minimum conduit size for the project shall be 4 inches. The quantity of conduit shall be determined as part of the Contractor's design for the item, and included in the lump-sum bid.

Question: Size of conduits from transfer switch to main switch gear.

Response: Please see the answer to the "Size and quantity of conduits from generator to transfer switch." question.

Question: Size and quantity of conduits from ticket system to control and ferry terminal.

Response: Please see the answer to the "Size and quantity of conduits from generator to transfer switch." question.

Question: Size and quantity of conductor from generator to transfer switch.

Response: The size and quantity of wires, conductors and junction boxes shall be determined by the Contractor in accordance with local, state, and federal codes to facilitate installation during construction and ensure adequate capacity during the life of the electrical systems. The Contractor's designed electrical systems required shall satisfy the requirements of the special provisions noted in the Contract Documents. Payment for elements to be designed under the contract shall be considered under the appropriate lump-sum pay items.

Question: Size and quantity of conductor from transfer switch to main switch gear.

Response: Please see the answer to the "Size and quantity of conductor from generator to transfer switch." question.

Question: Size of conductor from generator block heater to ferry terminal panel.

Response: Please see the answer to the "Size and quantity of conductor from generator to transfer switch." question.

Question: Size and quantity of conductor from ticket system to ferry terminal.

Response: Please see the answer to the "Size and quantity of conductor from generator to transfer switch." question.

Question: Size of junction boxes are dependent on quantity and size of conduit going into it.

Response: Please see the answer to the "Size and quantity of conductor from generator to transfer switch." question.

Question: Where will the transfer switch be located?

Response: The transfer switch will be located outside in the area between the existing CMP service transformer and the new generator.

Question: Where will we interrupt the Ferry terminal power to feed other side of transfer switch?

Response: The existing electrical serve is routed underground from the CMP service transformer to the existing switchboard located in the Ferry Terminal. A new water-tight, flush, in-ground (traffic rated) box should be provided to be installed directly over the existing Ferry Terminal service feeder, adjacent to the service transformer.
1. The existing underground service feeder to the Ferry Terminal should be interrupted within the new in-ground box. The length of existing service feeder that extends to the existing switchboard in the Ferry Terminal building should be kept and be reused (see item 2). The length of existing service feeder that extends from the service transformer to the location of the new in-ground box should be removed and be replaced (see item 3).
2. A new 1200-ampere rated service feeder should be provided to be connected to the existing remaining length of service feeder in the new in-ground box (see item 1), and should be extended underground to the load-side terminals of the new transfer switch.

3. A new 1200-ampere rated service feeder should be provided to be connected to the CMP service transformer and extended underground through the new in-ground box, and then underground to the normal-side terminals of the new transfer switch.
4. A new service feeder (rated to match the generator full load output) should be provided to be connected to the output of the generator and extended underground to the emergency-side terminals of the new transfer switch.

Question: Where do we land the transfer switch in the Ferry terminal switch gear?

Response: The existing feeder terminal at the switchboard will remain. The existing service feeder that presently extends from the service transformer will be interrupted at the new in-ground box and will be extended to the load-side terminals of the new transfer switch.

Question: What size sub-panel? (amps, spaces, main breaker?)

Response: The subpanels noted in SP655 (Page 103, Number 7 and 8) do not refer to new subpanels, but rather refer to existing subpanels. The 20-amp and 30-amp shunt trip breakers noted therein are meant to be contingency items which are to be purchased and installed by the Contractor at the discretion of the Resident and in the subpanels identified during construction.

Question: Who is the contact person on site to do a pre-bid visit to observe existing electrical equipment to see where new shunt breakers are going in?

Response: From amendment #2; a representative from the Maine Ferry Service will be available for a walk-through of the facility on Friday, November 16 from 1 to 2 p.m., and on Monday, November 26 from 10:30 a.m. to 12:30 p.m. Those interested in the walk-through shall report at the Terminal ticketing office prior to the start of each walk-through. Questions will not be answered during the walk-through.

Consider this information prior to submitting your bid on November 28, 2012.

Sincerely,

George M. A. Macdougall P.E.
Contracts & Specifications Engineer