

DP# 20134
Bid Date: 11/05/2020
0 Plan Sheets

Route 30 Bridge over Beach Thorofare
Contract No. 057144270
Atlantic City, Atlantic County
Federal Project Number: NHP-0030(358)

ADDENDUM NO. 8

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THE FOLLOWING CHANGES ARE MADE TO THE SPECIAL PROVISIONS:

705.03.15 Electrical Work, Motor Disconnect Switches

THE ENTIRE PARAGRAPH IS **REPLACED** WITH THE FOLLOWING:

At all existing to remain span lock motor disconnect switches, furnish and install 2 N.O./2N.C. auxiliary contacts in the existing switches. Modify hand crank control circuit as shown on plans to add the auxiliary contact in series with the hand crank limit switch at each span lock.

705.03.17 Electrical Work, Panel Boards.

FOLLOWING IS **ADDED** TO THE END OF THE PARAGRAPH:

The enclosure shall be minimum NEMA 12.

705.03.26.2 Limit Switches

SUB-SECTION PART A "OVERTRAVEL LIMIT SWITCH" IS **DELETED**.

705.03.27 Telephone Equipment

THE FIRST TWO PARAGRAPHS ARE **REPLACED** WITH THE FOLLOWING:

Existing telephone line(s) and associated conduit will be impacted due to the barrier platform and fascia reconstruction on the southeast side of the bridge. Replace existing telephone line(s) after the conduit reconstruction on the southeast fascia. Terminate the new incoming telephone line(s) on the existing to remain telephone terminal block located in the Level 2A Electrical Room. Coordination with Verizon is required.

Costs associated with the telephone conduit replacement to be included in the individual conduit bid item. Cost associated with replacement of the telephone line(s) to be included in the "Electrical Work, Telephone Equipment and Public Address System" bid item.

THE LAST FOUR PARAGRAPHS ARE **DELETED**.

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THE FOLLOWING CHANGES ARE MADE TO THE PLANS:

PLAN SHEET 211 (B-152) is REVISED as follows:

Conduit No. "N/A" is changed to "1C".

Revised Plan Sheets reflecting these changes will not be issued at this time, but all corrections will be made by the designer during the preparation of the As-Built Plans.

The following are questions received from plan holders and the responses to those questions:

Question 31:

Safety Switches

Specification # 705.03.15 Electrical Work, Motor Disconnect Switches states to "Install Un-fused safety switches for use as disconnects within the range of view for each motor. Provide lockable, non-fusible, heavy-duty, safety switches rated as shown on the Plans. Enclosure switches watertight and dust-tight NEMA 4X, stainless steel enclosures. Provide each disconnect with a 2 N.O/2 N.C. auxiliary contact and phenolic nameplate to identify corresponding motor, brake or heater." Per the plans all motor, motor brake, and heater disconnect switches are existing and to remain. Additionally there is no pay item for this scope of work as described. Please advise.

Response:

The intent is to install auxiliary contacts in all existing to remain span lock disconnect switches to provide input to the PLC in case the disconnect switch is in the OFF position. As shown on Electrical Plan E-27, this auxiliary contact will be wired in series with the hand crank control circuit at the span lock machinery platform. Refer to the SPECIAL PROVISION CHANGE in this addendum. Cost is to be included in item Sequence number 120, "SPAN LOCK".

Question 32:

Conduit 1C

E45 and E46 shows Conduit 1C from the Utility Pole to the CT Cabinet. E49 Conduit and cable schedule shows this as N/A. Is this conduit and cable to be paid per the unit prices (item 148 for 4" PVC/RGS Conduit and #157 for #600 KCMIL)?

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Response:

Yes, the conduit schedule on sheet E49 is revised. Refer to PLAN SHEET CHANGES in this addendum.

Question 33:

#4/0 CONDUCTOR SHIELDED VFD CABLE

Item #158 in Bid X is #4/0 CONDUCTOR SHIELDED VFD CABLE. The Item in the Special Provisions is "4/0 - 3 CONDUCTOR SHIELDED VFD CABLE". Please confirm this is a 3/C shielded cable and confirm the quantity of 500 LF is accurate for 3/C and it should not be $500\text{LF} / 3 = +/- 170\text{LF}$ which seems more appropriate.

Response:

Yes, the VFD cable is a multi-conductor cable. Yes, the total length of this VFD cable was approximated at 500 LF (250 LF per VFD cable for each motor).

Question 34:

705.03.27 Telephone Equipment

Specification 705.03.27 Telephone Equipment discusses work for Telephone. This is not shown on the drawings nor is there an applicable pay item. Please advise.

Response:

The existing telephone lines and conduit will be impacted due to the barrier platform and fascia reconstruction on the southeast side of the bridge. The impacted section of telephone service conduit will be replaced. The existing telephone line will be replaced from the utility pole on the southeast approach up to the existing to remain telephone terminal block in the Level 2A Electrical Room.

Cost for the telephone conduit replacement is included in bid item Sequence number 147, "3" RIGID METALLIC CONDUIT, PVC COATED". Cost for the replacement of the telephone line is included in bid item Sequence number 174, "Electrical Work, Telephone Equipment and Public Address System". Refer to the SPECIAL PROVISION CHANGE in this addendum.

Question 35:

NEMA Rating

Please provide a NEMA rating for Panel HP-1 as shown on Drawing E-59.

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Response:

Refer to the SPECIAL PROVISION CHANGE in this addendum.

Question 36:

Existing Isolation Contactor

Sheet E-17 and E-18 state Existing Isolation Contactor within the Drive to be reconnected and Reconfigured to the Load Side of the Drive by the Drive Manufacturer. E17 and E18 Note 1 state All Modifications to the drive are to be performed by the Drive Manufacturer. Please provide contact information on the existing drive manufacturer.

Response:

The existing drive manufacturer is Nidec Control Techniques (formerly Emmerson Control Techniques). The current contact information for the Control Techniques Field Services division is as follows:

Phone No.: 1-800-893-2321

Email: fieldservice.cta@mail.nidec.com

Website: <https://acim.nidec.com/en-us/drives/control-techniques/service-and-support/field-service>

Question 37:

Overtravel Limit Switch.

Specifications call for a new Overtravel Limit Switch. This work is not shown on the drawings and the Overtravel Limit Switches are shown and existing and to remain. Please advise or provide more information.

Response:

The overtravel limit switches are existing to remain. Refer to the SPECIAL PROVISION CHANGE in this addendum.