

**ADDENDUM NO. 4
DHSS HERMAN HOLLOWAY PHASE 1 PRIMARY UPGRADES AND
EMERGENCY GENERATOR AT KENT/SUSSEX BUILDING
1901 N. DUPONT HIGHWAY, NEW CASTLE DE 19720
OMB/DFM PROJECT: MJ3501000007
DATE OF ISSUE: June 13, 2016**

1.0 This Addendum, Addendum No. 4, shall be made part of the Project Manual and Drawings dated May 23, 2016 for the DHSS Herman Holloway Phase 1 Primary Upgrades and Emergency Generator At Kent/Sussex Building; OMB/DFM Project: MJ3501000007.

Bid Date and time has been extended to 2:00 p.m. local time on Thursday, June 23, 2016.

2.0 Any provision in any of the Contract Documents which may be in conflict or be inconsistent with the contents of this Addendum shall be void to the extent of such conflicts or inconsistency.

3.0 Changes to Specifications

3.1 Bid Form: Change Bid Due Date to Thursday, June 23, 2016.

4.0 Changes to Drawings:

4.1 There are no changes to Drawings.

5.0 Questions/Clarifications

5.1 What is considered the NW area for Alternate # 6?

Reply: This is the Northwest area of the campus. Refer to Specification Section 01 23 00 for the description of alternates.

5.2 What about the asbestos in the buildings, have they been checked?

Reply: It is not believed that Asbestos is in the buildings. Refer to Specification Section 00 81 13- Article 10.2 for how this is treated if discovered.

5.3 Who is responsible for the generator fuel, tank, fence, and generator removal at the dry pond?

Reply: Contractor is responsible. Refer to Drawing E10-01, Sheet Note 1. Modify and add to this note as follows: Remove all existing fuel and remove concrete pad complete to permit site grading as indicated in the Civil Drawings issued in Addendum #3.

5.4 Base bid project with the 2 new primary circuits and demo the old. If not all the alternates are taken, how are the areas to be powered?

Reply: Refer to Drawing E00-01, Overall Scope, Paragraph 2. Only one circuit shall be converted at a time.

5.5 Garden Café panel BR replacement is in the natural gas boiler area. Gas smell when we walked in the room. Nothing is explosion proof. Is this a correct rated area?

Reply: This is a regular boiler room and not a classified space per the NEC. The smell of gas has been reported to the facility to address.

- 5.6 Is there any special escorting required inside the buildings?
Reply: Escorts will be required in patient buildings including the Kent/Sussex Building and Mitchell Building if working in areas outside of the mechanical/electrical rooms. All other buildings are non-patient buildings and escorts should not be required. This will be addressed at the pre-construction meeting. Refer specifically to the Interim Life Safety Measures located at the end of Specification Section 00 81 13 General Requirements. All items in this document must be followed without exception.
- 5.7 Is there any security clearance (besides drug test) required for our employees?
Reply: Security Clearances or background checks are not required; however, all employees shall sign in daily. Procedures will be reviewed at the Pre Construction Meeting.
- 5.8 Which areas are required to have temporary generators during a shutdown change over?
Reply: Refer specifically to Drawing E00-01, BACKUP POWER REQUIREMENTS.
- 5.9 Who is responsible for vegetation removal and disposal?
Reply: The assignment of duties of the subcontractors is the prime contractor's responsibility. All work on the contract documents is owned.
- 5.10 Lewis building basement is not the full building as we were shown. The window well area where we will go thru is brick structure. Has this been checked by a structure engineer that will allow us to penetrate the wall?
Reply: All core drilling through masonry walls is the contractor's responsibility. If required, interior brick foundation walls shall be pointed with mortar and let set for 7 days prior to core drilling. Opposite side of wall shall be temporarily shored with plywood to prevent brick from damage (breaking out). Provide masonry patch at all conduits as required. Additional structural reinforcement is not required.
- 5.11 On Drawing E18-02, the new work detail shows a feeder between Biggs MDS-1 and Distribution Panel MDP-1. However, the single line diagram on Drawing E18-04 shows Distribution Panel MDP-1 being fed from ATS-1. Please clarify.
Reply: The Single Line Diagram is correct. MDS feeds ATS-1 and MDP is fed from ATS-1.
- 5.12 On Drawing E18-02, the new work detail shows both new and existing feeders running from the junction box above the existing switchboard to Panel MDP. Please indicate if the existing feeders are to remain or if new feeders are to be provided.
Reply: New work Single Line Diagram is correct. MDP is fed with a complete new Type 4 feeder from MDS #1. Existing feeder is to be removed in its entirety. The connection through the pullbox above the existing Switchboard MDS-3 may be reused. All existing feeders from MDP are existing to remain.
- 5.13 On Drawing E18-04, the single line diagram shows new feeders from Biggs MDS-1 to Panels DP-5, DP-4 and MDP. However, the layout drawing on Drawing E18-02 shows the extension of the existing feeders from a junction box above the existing switchboard to Biggs MDS-1. Please confirm that these feeders are to be extended and do not need to be replaced entirely.

Addendum #4

DHSS Herman Holloway Phase 1 Primary Upgrades and
Emergency Generator at Kent/Sussex Building

Page 3 of 4

Reply: Complete new feeders shall be run from new Switchboard MDS #1 to DP-5, DP-4 and MDP. Existing conduit may be reused from the pullbox above the former MDS-3 switchboard to these panels.

5.14 The new duct bank between MH-7B and the S&C PMH-3 Springer-12KV SW is shown on both the campus site plan on drawing E10-02 and detail 2 of the Springer Building on drawing E20-02. However, the proximity of the switch to the manhole is depicted differently on these two drawings. Please advise which of these representations is correct as the duct bank length varies accordingly.

Reply: The location of existing manhole 7B is accurately shown on Drawing E20-02.

5.15 On drawing E22-01, "Equipment Labeling Schedule", Lines 8 and 16 indicate new tapping cabinets. Question: The drawings do not show new tapping cabinets for these locations. Please confirm which is correct Drawings or Schedule.

Reply: The label for tapping cabinets on line #8 & # 16 may be omitted. The site plans are correct.

5.16 If dewatering is required what is the acceptable means to accomplish this? Standard pump, hose and let the water run into a grassy area?

Reply: Refer to Specification Section 31 20 00 Earth Moving, Articles 3.2 A and B

5.17 During yesterday's walk-thru it was observed that the Lewis Building exterior wall, which is constructed of brick, may require additional shoring to allow for the penetration of 3-4" PVC conduits. Please advise how the wall structure, which looks like it could crumble with very little effort should be handled.

Reply: Refer to Article 5.10 above.

5.18 Please review the ductbank installation at the Garden Café building. We are to install a new 6-way ductbank, Detail #6, which crosses over a new ductbank, Detail #2, and an abandoned ductbank. If our calculations are correct the ductbanks will interfere with each other. Please confirm and advise.

Reply: This question refers to detail 5/E10-03. The new primary ductbank from MH-1B to NMH-1B2 is set at 36" below grade to top of ductbank. Secondary ductbank is shown to be run above this ductbank in a single row of 3 conduits with 24" cover. The extension of the secondary ductbank across the existing ductbank from MH-1B that is abandoned shall be set per the depth identified in the ductbank detail. Since the existing ductbank is abandoned, contractor may either cut out a portion to allow the new ductbank to cross or drop below the existing ductbank if there is insufficient cover.

5.19 Drawing E22-01 shows the Lewis Building transformer T-2 as a 300/345kva. It is not shown on the North Loop SL Drawing E11-02 but refers you to diagram 4 of drawing E15-02. E15-02 only shows the pad detail of a 300kva transformer and S&C PMH-9. Neither is shown as part of the single line on drawing E-15-02.

Reply: The S&C switch is a PMH-6, not a PMH-9. The S&C Switch and transformer is not shown on Detail 4/E15-02 Single Line Diagram but should be. They are the same S&C switch and transformer indicated on the E22-01 schedules and the 2/E15-02 Partial Site Plan.

Addendum #4
DHSS Herman Holloway Phase 1 Primary Upgrades and
Emergency Generator at Kent/Sussex Building
Page 4 of 4

- 5.20 Drawing E22-01 attached shows the Garden Café as a 225/259kva but the North Loop single line E11-02 shows it as a 300kva.
Reply: The Schedule on E22-01 is correct. Revise the Single Line Diagram to reflect this transformer size.
- 5.21 For the Springer Building you show a PMH-3 on the schedule E22-01, whereas on the single line E11-02 you show a fused PMH-5.
Reply: The Springer Building S&C Switch shall be a non-fused PMH-3.
- 5.22 For the Kent/Sussex Bldg., you show a PMH-6 source transfer on the schedule E22-01 but a PMH-9 source transfer on the single line drawing E11-02.
Reply: The Schedule is correct, the S&C Switch should be a PMH-6.
- 5.23 For the existing panels in the Kent and Sussex building can we use a retrofit kit? This would be for panel boxes that are adequately sized for the new interiors.
Reply: No, complete panel replacement shall be included as part of your bid. Retrofit options may be explored further during construction, since there are several factors that need to be evaluated for each panel to be replaced.
- 5.24 Clarification #1: With the extension of the bid due date, the deadline for questions has also been extended to 2:00 p.m., Thursday, 6/16/16. Contractors are requested to get their questions into our office as soon as possible.

End of Addendum #4

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15-1177 Addendum #4

cc: All Registered Plan Holders