January 22, 2020

Memorandum to All Bidders for the
Boardwalk Hall Switchgear Replacement
Addendum #2, Dated 01/22/20

Re: Atlantic City Boardwalk Hall
Switchgear Replacement
Addendum #2, Dated 01/22/20
CEG #8C17453.00

To all Bidders:

The following Addendum #2 Contains questions and answers that were submitted to the owner and engineer during the projects Pre-Bid meeting held on January 10, 2020 as well as questions submitted by Bidders through the owners web portal, Revised Electrical drawings, Book Specifications and Architectural drawings. The owners/engineer's responses to the questions are provided below each question followed by a list of the revised electrical drawings with a brief summary of changes as well as the Electrical Specification Sections included with the addendum #2 package and finally a list of the included Architectural drawings included within the addendum #2 package.

Bidder Questions:

1. Are the existing 23KV electrical cables required to be removed upon completion of the new 23KV electrical service or can they be abandoned in place?

   Engineer's Response: The existing 23KV cables must be removed and the existing raceway cut flush with the existing slab and sealed with concrete.

2. Are there equipment specifications available?

   Engineer's Response: The existing 23KV cables must be removed and the existing raceway cut flush with the existing slab and sealed with concrete.

3. What are the 23KV transformer ratings?

   Engineer's Response: The 23KV transformer ratings have been added to the revised Addendum #2 drawings.

4. Are the lift's and Crane provided by the owner or part of the electrical contractor's responsibility?

   Engineer's Response: Any and all Lift's and Cranes are the responsibility the contractor, in addition it is the contractor's responsibility to ensure that the proposed crane for lifting and removing equipment has both the capacity and ability to displace the combined weight of the Crane and its cargo safely on the buildings elevated floor without damage. The contractor shall be responsible to engage a New Jersey Licensed and insured structural engineer to provide details of load displacement material required to safely utilize a crane on the buildings elevated floor without causing damage.

5. Who is responsible for the cost of the street closure?

   Engineer's Response: The contractor is responsible for any and all cost associated with the required street closure.

6. Who is responsible for the removal of the existing steel cage around the existing 23KV switchgear?

   Engineer's Response: The contractor is responsible for the removal and disposal of the existing steel barrier fencing surrounding the 23KV switchgear and transformers.

7. Can the building be without power when transferring from the existing 23KV service to the new 23KV service?

   Engineer's Response: The contractor shall install the new 23KV service and associated new electrical distribution prior to removal of existing 23KV electrical service, the electric utility company has agreed to allow both the new and existing 23KV electrical services to the building to be live during the switch-over from the old to new electrical services. The contractor shall minimize any and all service interruptions to the building, performing individual feeder switch-overs during the buildings off-hours and providing the owner with a schedule of all power transfers and the areas affected for the owner's approval.

8. Can the existing electrical raceways be reused for the new conductors?

Engineer's Response: The contractor shall run new raceways to all equipment and mount the new raceways as tight to the ceiling structure as possible.

9. There are two (2) area's that have framed wall inserts designed to be removed for equipment removal and replacement, only one (1) of these areas is indicated on the drawings as being an access point can the other be used also or instead of the indicated location?

Engineer's Response: The contractor can utilize either location or both but shall be responsible to make all necessary restoration of the areas. It is also the responsibility of the contractor to remove and reinstall and or relocate any raceways or duct work obstructing the existing openings, upon completion the area must be placed back in the same condition it was in prior to start of construction.

10. Is a Short Circuit, Coordination or Arc Flash study required?

Engineer's Response: A Short Circuit and Arc Flash Study are required but a Coordination Study is not required. The requirements for the Arc Flash and Short Circuit are contained within the book specifications issued within Addendum #2.

11. Please Confirm if item "K" on drawing EC-000 is a requirement at bid submission and if so, please provide a list of unit price to be provided?

Engineer's Response: unit pricing is NOT a requirement of this project and the note calling for unit pricing on drawing EC-000 had been removed and shall be issued within Addendum #2.

12. Are we to F & I (furnish and install) the MV Medium voltage cable, Drawing E-401 seems to indicate that the incoming service conductors and the conductors feeding the (2) two transformers will be by ACE (Atlantic City Electric)?

Engineer's Response: The medium voltage cable shall be furnished and installed by the contractor, not Atlantic City Electric.

13. Do the existing utility transformers or lighting contain any hazardous materials?

Engineer's Response: The utility has reported that the existing medium voltage transformers do not contain any PCB's, the existing lighting fixtures do contain heavy metals and must be disposed of according to NJDEP's guide lines.

14. If available, please provide detail(s) of the existing floor boxes and how they are presently fed?

Engineer's Response: There are no details of the existing floor boxes available.

15. If available, please provide reflected ceiling plan(s) or layout of areas scheduled for lighting demo/removal?

Engineer's Response: There are no reflected ceiling plans available.

16. Please provide architectural details as referenced on drawing E-300 relating to the existing was to be removed and replaced?

Engineer's Response: Architectural drawings are part of the Addendum #2 package.

17. There are several mechanical units blocking passage from the established break-out wall location to the new 500KVA transformers and 1600A switchboards, is it the contractor's responsibility to move or remove and replace this piping?

Engineer's Response: The addendum #2 drawing revisions include the removal of the walls and doors near each one of the transformer locations, it's the contractors responsibility to remove and replace any walls, doors or existing equipment that prevents the installation of the new electrical distribution.

18. During the pre-bid walk through it was mentioned that existing ductwork and electrical conduit along with additional drywall would have to be removed and replaced along the bulkhead wall where the equipment access points are located, to what extent?

Engineer's Response: The addendum #2 drawing revisions illustrate the extent of drywall that has to be removed and replaced, the existing 2" conduit runs along the entire length of the bulkhead approximately 300'-00" and must be removed, temporarily supported and reinstalled after new drywall and finish work is completed.

Drawing revisions and book specifications:

Drawing EC-001 – Electrical General Notes – Notes were added to the drawing outlining performance requirements for the contractor and their sub-contractors.

Drawing E-300 – Electrical Concourse Level Demolition Power Plan – Notes were added to the drawing for additional wall openings and door removal and replacement with new as well as required drywall removal and replacement.

Drawing E-401 – Electrical New Work Single Line – The electrical single line was revised to provide the transformer specifications, increase in 23KV fuse sizes, and increase in feeder size.

Drawing E-402 – Electrical New Work Single Line – The electrical single line was revised to provide additional space and spare capacity to new switchboards and increase in feeder size.

Electrical Book Specification Sections – Electrical book specification sections were added to the project to assist in both the Short Circuit & Arc Flash study requirements, as well as provide guidance in several other areas. Sections provided are as follows:

1. **260519 – Low Voltage Electrical Power Conductors and Cables.**
2. **260526 – Grounding and Bonding for Electrical Systems.**
3. **260529 – Hangers and Supports for Electrical Systems.**
4. **260533 – Raceways and Boxes for Electrical Systems.**
5. **260543 – Underground Ducts and Raceways for Electrical Systems.**
6. **260544 – Sleeves and Sleeve Seals for Electrical Raceways and Cabling.**
7. **260553 – Identification for Electrical Systems.**
8. **260572 – Overcurrent Protective Device Short Circuit Study.**
9. **260574 – Overcurrent Protective Device Arc-Flash Study.**
10. **262213 – Low Voltage Distribution Transformers.**
11. **262413 – Switchboards.**
12. **262416 – Panelboards.**
13. **262726 – Wiring Devices.**
14. **262813 – Fuses.**
15. **262816 – Enclosed Switches and Circuit Breakers.**
16. **264313 – Surge Protection for Low Voltage Electrical Power Circuits.**

Architectural Drawing Package – Architectural drawings have been added to the project consisting of the following drawings:

1. **AC-000 – Cover Sheet.**
2. **AC-103 – Egress Plan.**
3. **AD-103 – Third Level Demolition Floor Plan.**
4. **A-103 – Third Level Floor Plan & Reflected Ceiling Plan.**
5. **A-800 – Interior Partition Types.**
6. **A-801 – Interior Partition Head Conditions.**
7. **A-900 – Door Schedule.**

Any additional questions and/or any requested clarifications to the included material must be submitted in writing via Boardwalk Hall's website portal by January 24, 2020.

Sincerely,
Concord Engineering Group, Inc.

Eric Taggart
Director, Commercial/hospitality Engineering