

Project: Police Memorial and North Cove
Marina Electrical Vault Resilience
Project Construction Services
(November 2015)

Date: 1/4/16

RE: Addendum # 2
of Pages: (7 pages)

The following revisions and/or clarifications are to be made to the Request for Proposals for “**Police Memorial and North Cove Marina Electrical Vault Resilience Project Construction Services**” in response to questions submitted by prospective proposers.

Clarifications / Revisions:

1. With reference to Drawing E600 there are (2) locations indicating "Cable tray suitable for marine installation" in existing electrical vault to be abandoned. Please clarify whether this cable tray is existing or new. If it is new please provide details with cable tray layout, size and specifications.

Response:

The existing cable trays in the existing vault may be reused (see photos below) according to the discretion and judgment of the Proposer; however, the Scope of Work contemplates that new cable trays and supports in accordance with specifications provided in the Construction Documents will also be required. It is the responsibility of the Proposer to determine and specify the number of new cable trays required for the Project.





2. With reference to Drawing E600 there are (2) GFI WP outlets indicated in existing electrical vault to be abandoned. Please clarify whether these outlets are existing or new.

Response:

These two items are new service receptacles. All details on electrical drawings are new unless otherwise noted.

3. With reference to Drawing E600 there is note stating "Extend Existing Marina Feeders for Boat Connection with 4#4/0 marina Cable" and shown within existing electrical vault to be abandoned.

Please clarify the following:

- Which point these cables need to be extended to (provide detail and location of it);
- Provide specs for marine cable;
- Provide specs for marine splices.

Response:

- Cables requiring extension are to be extended to the point of connection inside the new vault structure. Cables terminated on the North wall of the existing North Cove vault will need to be extended. Cables terminated on South wall will not need to be extended.*

Responsibility for confirming and verifying the existing conditions prior to submitting a bid rests with the Proposer.

- b) *The existing cable was manufactured by “Royal Electric Marina Yard and Cable 4/0 AWG - 4 W/GNDS 600V 75 deg. C (UL).” Refer to the above photos.*
- c) *b) Splice kit similar to: Compression type butt splice connector (Burndy, T&B or equal) and 3M Heat shrink tubing dual wall (adhesive-lined) suitable for marine applications (3M EPS Series).*

4. As per drawing E200 detail 2 there are (2) type D fixtures shown in each new Utility Structure. On the other hand as per drawing E400 detail 2 there are (2) type A fixtures shown in each new Utility Structure in the same location. Please clarify which is the correct detail.

Response:

The E400 detail is correct. Provide A-type Lighting fixtures as per the E-400 detail. Detail on drawing E-200 to be revised to indicate A type.

5. As per drawing E400 detail 2 there are (8) type C fixtures shown in each new Utility Structure. There is no specification for this fixture type in fixture schedule on drawing E300. Please provide fixture specs.

Response:

See Sheet A104 for fixture specifications.

6. As per drawing E400 detail 2 there are (1) type Double Head fixture shown in each new Utility Structure. There is no specification for this fixture type in fixture schedule on drawing E300. Please provide fixture specs.

Response:

Two head emergency Light: Encore Lighting 12EX 35-2-NY or approved equal.

7. With reference to drawing E400 detail 1, please provide contact information for existing lighting Control system Manufacturer.

Response:

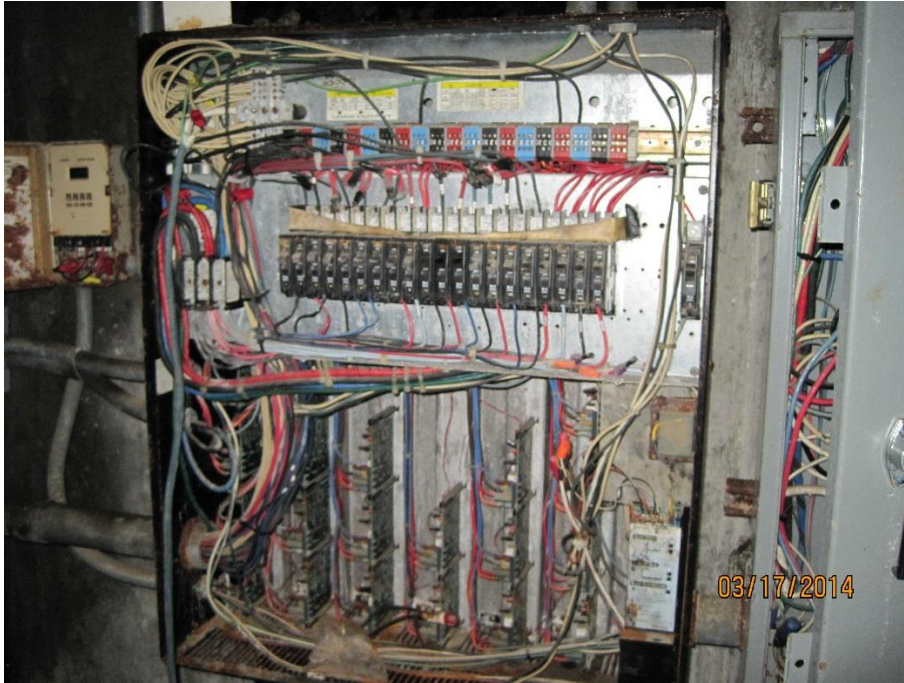
The existing lighting control system is a Lutron system which was completely destroyed by Superstorm Sandy. See photo below. Contact telephone number for Lutron is [800-523-9466](tel:800-523-9466).



8. With reference to E300 detail 2, please advise which vault this detail belongs to. Also please clarify whether equipment shown in this detail is new or existing. If it's new provide schedule for Distribution Panel.

Response:

The referenced detail applies to new replacement equipment to be located within the above-ground utility structure; however, the original destroyed equipment that is being replaced is/was housed in the existing Police Memorial Vault. The Police Memorial equipment will be served by the new distribution panel located in the above ground utility structure. The existing Lutron lighting control system was completely destroyed by Superstorm Sandy. Refer to the photo below. Telephone number for Lutron is [800-523-9466](tel:800-523-9466).



9. With reference to E300 detail 1, please clarify which trade will furnish the following equipment: "Nema 6P remote DSW", "Nema 6P Control Panel for Duplex & Triplex Pumps", "Nema 6P Combination disconnect/starter", "New Control Panel in Nema 6P enclosure". [sic]

Response:

It is expected that a qualified electrical contractor will be responsible for providing all disconnect switches and NEMA 6P rated boxes for switches and controllers. It is expected that all controllers will be furnished by a properly qualified and licensed plumber/plumbing contractor. Electrical contractor shall install all controllers in NEMA 6P boxes and waterproof all connections.

10. With reference to E200 detail 1, there are references on the drawing for "Existing North Cove Vault Below" and "BPS North Cove Vault". [sic] Please advise if this is different vaults [sic] and provide detailed information for work related to "BPS North Cove Vault". [sic]

Response:

The notations referenced above both refer to the same North Cove Vault. The reference to "BPS North Cove Vault" comes from the original vault drawings and is part of the architectural background and general construction coordination work. It was indicated on electrical drawings for informational purposes only.

11. Has the Fountain representative been notified and retained for this project-insofar as supply, coordination and startup by the Battery Park Authority-please advise so that we do not double up on the cost for these services.

Response:

There has been no separate or specific "Fountain representative" identified or retained by BPCA for this Project. All work and materials related to the fountain repairs are to be included in the Proposal as part of the Project scope of work.

12. In review of the project for bid, we feel that the sequence of work would require the complete shutdown of the existing service for a period of 4 to 6 weeks in order to remove and reinstall the existing service equipment. The contract states that existing loads to be maintained. In order to maintain the existing loads, a temporary service would be required which would be prohibited in costs.
- a. We need to know if shutting down the service for a period of 4 to 6 weeks would be acceptable to the owner.
See Combined Response below.
 - b. This project would be better served if all the equipment for the new service was new. It would allow us to build the new service before any loads were transferred. This would minimize the down time. It would allow us to get the proper warranties from the manufactures, as of now they refused to warrantee any used equipment, also it would allow us file for advisory board drawings. The cost of providing all new equipment would probably be offset by not installing and maintaining a temporary service.

See Combined Response below.

- c. The contract drawing show that the Con Edison building feed is to be interrupted and extended to the new location via a new pull box, unless you have permission for Con Edison, they do not allow this. How should this be addressed?

Response:

The latest bid set drawings show that the existing Con Edison feeder is to be intercepted and extended to the new utility structure without the pull box. Coordination with Con Edison (Case#MC-166713) must be performed by the selected Proposer to de-energize feeders and provide required shunts.

- d. The relocation for the 500kva, the 1600a Disconnect Switches, the 225A panels from the East & West Vaults are affected in item b. It is imperative that we receive clear direction regarding, timing & Phasing-most importantly what the Agencies clear direction regarding change out and temporaries needed for all bidders so that all bidders can bid on the same basis.

See Combined Response below.

Combined Response (12 a., b. and d.):

While short-term or partial electric service shutdowns may be acceptable if coordinated in advance with the Marina Operator through BPCA, Proposers should assume for purposes of their Proposals that no shutdowns of more than seventy-two (72) consecutive hours will be acceptable. (Any service shutdowns or reductions of any duration – no matter how small -- must be coordinated at least thirty (30) days in advance with BPCA and the Marina Operator in order to result in the least possible disruption to Marina operations, as well as the avoidance of disruptions to special events.) Based upon this underlying premise, Proposers should formulate and propose an approach to the sequencing and scheduling of the Project that will allow for continued electrical service to the Marina throughout the duration of the Project. Proposers may propose alternate means of achieving the outcome of continuous electrical service to the Marina, which may include, among other means, one or more of the following elements:

- *Providing temporary electrical service for the Marina pending completion of permanent service switchover;*
- *Purchasing new equipment for utilization in connection with a temporary service installation while relocated equipment is being installed for permanent service; and/or*
- *Replacing all electrical equipment (in accordance with the specifications of the RFP), rather than reusing the relocated equipment as identified in the construction documents (including the 500kva, the 1600a Disconnect Switches, the 225A panels) (the “Relocated Equipment”).*

Proposers must note in their cover letters whether they are proposing alternate means (or combinations of means) for achieving continuous electrical service to the Marina and must clearly indicate in their Proposals and Cost Proposals the impacts to the Project of each alternative. Proposals should clearly note if new or relocated equipment is being provided.

Additionally, if Proposers believe that significant cost savings and/or Project efficiencies can be achieved through limited (more than 72 consecutive hours, but less than four weeks) service shutdown or reduced power service to the Marina (if ultimately determined by BPCA to be possible), then they may propose an add/alternate, exercisable at BPCA’s discretion, that would include the nature, timing and extent of any proposed service shutdown or reduction, along with a description of any improved Project efficiencies and/or enumeration of any Project cost savings when compared to a Project approach which provides for continuous electrical service to the Marina. All cost comparisons shall be described in detail in the Cost Proposal only.

13. Is there a sequence of removal and re-installation of existing Electrical Service equipment? In order to re-use existing service equipment there will be times when the electrical service will be shut down for extended periods. What will be an acceptable period of down time?

Response:

Please see Combined Response to #12 above. Any service shutdowns or reductions of any duration – no matter how small -- must be coordinated at least thirty (30) days in advance with BPCA and the Marina Operator in order to result in the least possible disruption to Marina operations, as well as the avoidance of disruptions to special events.

14. Installation of a new fire Alarm System is not part of this Bid. Contract drawing E-200 indicates a Fire Alarm Smoke detector in each New Utility Structure and a New Fire Alarm Panel and a “FPA” in the new West Structure. Please clarify the scope for this work and the supply & install by others. Please provide the contact for the relocation of the existing Fire Alarm panel & smoke Detectors if by us.

Response:

The scope of work includes the provision of a new fire alarm panel (similar to the existing one) and the provision of smoke detectors, all as specified in the Construction Documents. The existing panel was manufactured by Edwards (Edwards System Technology) model 5756B.

15. Is there a size and specification for the Marine Cable?

Response:

The existing cable was manufactured by "Royal Electric Marina Yard and Cable *AWG - 4 W/GNDS 600V 75 deg. C (UL)". (*AWG in the field 1/0 and 4/0. Use 4/0 for bid purposes.)

16. Please provide Specification for the type "A Em" Light Fixture.

Response:

See response to question #17 & 18.

17. Please provide Specification for the type "C" light Fixture. On E400 Detail 2 there are (2) two type D fixtures shown on E400 detail 2 there are (2) type A fixtures in ea. New structure in the same location as above. Please clarify which is correct. On the same drawing & detail above there are [sic] (1) type double head fixture. There is no specification or it is not shown on E300 fixture schedule-please provide.

Response:

Refer to drawing A-104.00 for lighting fixture schedule. Lighting fixture type C: upturned fluorescent light, Manufacturer: Bartco Lighting, Model: BFLSA-28/120/DL, Dimensions: 1.95"x1"x46.06".

Drawing E-200 detail no. 2 and drawings E-400 - Detail 2 (Zone 1, Zone 5): show (2) 1'x4' surface or pendant mounted fluorescent lighting fixture in each utility structure. Omit lighting fixtures shown on E-200 drawing. On drawing E-400 detail no. 2 revise type of the above mentioned lighting fixtures from "A" to "D".

Two head emergency Light: Encore Lighting I2EX 35-2-NY or approved equal.

18. Please provide Specification for the Emergency Battery Pack light units.

Response:

EM- denotes lighting fixture with emergency ballast and battery pack.

Fluorescent fixtures specified with integral emergency battery packs (also known as emergency ballasts) incorporate a test switch and indicator light battery, charger, inverter circuit, and control electronics within the fixture. Test switch and indicator light are discretely located, so that they are not visible from ordinary viewing angles, but so that they are readily accessible to maintenance personnel, as required by code. Fixtures incorporating emergency battery packs are wired so that they may be switched or dimmed as part of their assigned lighting control zone without causing the battery pack to energize the lamps. Emergency battery packs comply with the following:

1. The emergency battery packs are designed to work in conjunction with the standard AC ballast in the fixture, and with an indicator light and test switch provided by the manufacturer of the battery pack.
2. Emergency battery packs are UL 924 Listed, and meet or exceed all National Electrical Code (NFPA-70) and Life Safety Code (NFPA-101) emergency lighting requirements.
3. Emergency battery packs incorporate maintenance-free Nickel-Cadmium (Ni-Cad) batteries.
4. Emergency battery packs are designed to provide a minimum of 90 minutes of emergency illumination. Provide longer duration when required by code.
5. Unless otherwise specified, emergency battery packs provide the following minimum initial lumen output per battery pack: Lamp Type Lumens (Lamps T-8, T-5 Lumens 825), T-5 High Output 1,300 Lumens.
6. Emergency battery packs are warranted for a minimum of five years. Manufacturer provides replacement emergency battery pack and pays all labor costs associated with replacing emergency battery packs that fail during their warranty period.
7. Emergency battery packs are manufactured by Iota Engineering or Bodine.

By signing the line below, I am acknowledging that all pages of the addendum have been received, reviewed and understood, and will be incorporated into the bid price submitted. This document must be attached to the Proposal for consideration.

Number of pages received: _____ <fill in>