



# METROPOLITAN WASHINGTON AIRPORTS AUTHORITY

IFB-19-13327

5kV South Distribution Center (SDC) Relocation and Replacement Project at DCA

July 31, 2019

## Questions and Answers

Notice: Questions may have been edited for clarity and relevance.

1. **Question:** I'm trying to get a copy of the Geotechnical Report for the 5kV South Distribution Center Relocation and Replacement project. If you can provide a copy or direct me to someone who can, I would appreciate it?

**Answer:** Geotechnical report is attached. Informational purposes only.
2. **Question:** I saw a posting for this bid on another site and physical security requirements (access control & video surveillance) were listed. I do not see those listed in the bid documents here. Can you let me know if those specialties will be required?

**Answer:** The documents posted at <https://www.mwaa.com/business/ifb-19-13327-5kv-south-distribution-center-relocation-and-replacement-national-airport> represent the complete solicitation documents and requirements as issued by the Airports Authority.
3. **Question:** Drawing EL2.03 indicates in notes 3 and 4 that a security camera pole and security box is to be relocated but the new location is not indicated. Is this relocation part of the contract and if so where are they to be moved to?

**Answer:** Drawing EL02.03 drawing notes 3 and 4 have been revised to read "Security camera pole and security box to be disconnected, removed and turned over to the COTR." (Amendment is forthcoming).
4. **Question:** In the specs and the drawings 600-amp copper dead break junction bars and elbows are called out for. Copper rated items like this are 900-amp items. Does the authority want 600 amp or copper rated equipment?

**Answer:** Provide 900A copper dead break junctions bars and elbows. (Amendment is forthcoming).
5. **Question:** The Authority reserves the right to witness test at the factory the switchgear. Who will pay for the travel expenses for the Authority, the contractor or the Authority?

**Answer:** The Authority shall bear the cost of transportation and lodging for two (2) MWAA representatives. (Amendment is forthcoming).

6. **Question:** Spec section 260591 1.6C 45a, states that Virginia licensed PE must provide approved anchorage details and calculations for the new outdoor electrical enclosure. Since the switchgear manufacturers routinely provide this will that be acceptable even if they do not have a Virginia license?
- Answer:** Switchgear manufacturer's calculations shall be reviewed, approved and stamped by Commonwealth of Virginia licensed PE.
7. **Question:** In specification section 011000-Summary subsection 1.3.C item 7, it states that temporary power is to be provided during the change over from the old switchgear to the new switchgear. There are no delineations in the drawings instructing the contractor as to what temporary power is to be provided or the loads to be satisfied. Will temporary power in fact be required? Please clarify.
- Answer:** Contractor shall provide temporary power to satisfy the loads at two locations, Bus Maintenance Facility and Ogden Allied. Bus Maintenance facility has a 75kVA transformer with 480V, 3 phase secondary and Ogden Allied has a 112.5kVA transformer with 480V, 3 phase secondary. Coordinate with MWAA for determining the points of connection. (Amendment is forthcoming).
8. **Question:** On the drawings it calls out for a new pre-cast manhole however in the specification 260543 section 2.3 Pre Cast there is no mention of manholes or specs for manholes. Please clarify.
- Answer:** Specification Section 260543 has been revised to include precast manholes. (Amendment is forthcoming).
9. **Question:** On Structural drawing ST03.02, there are 9 bollards indicated to be installed and the drawing note calls out for them to be removable. On drawing EL05.01 there are 16 bollards shown and 13 are standard bollards and three are called out to be removable. Please clarify which drawing supersedes the other and confirm quantities and type.
- Answer:** Drawing ST03.02 states 'See Electrical Drawings for Details'. (Amendment is forthcoming).
10. **Question:** The electrical one line drawing EL06.01 indicates 120 volt AC control power with a UPS not DC power in the switchgear. In the specs, DC batteries, charger and DC panelboard called for in the enclosure spec and Spec 26 13 01 2.1 B 3 e) also mentions a "DC Panelboard". Paragraph 26 13 01 2.1 B 5 f) states "The circuit breakers shall be of the stored energy type utilizing AC power for charging, closing and tripping." If a DC system is wanted then a spec on the battery system will need to be added. Please clarify.
- Answer:** Switchgear shall use 120V AC control power. (Amendment is forthcoming).
11. **Question:** There are two panelboards to be installed in the IPA but there is no specification section provided for Panelboards. Please provide.
- Answer:** Specification Section 262416 for panelboards has been added. (Addendum is forthcoming).
12. **Question:** Section 007300 pages 4 & 5 modifies the requirements for the safety personnel staffing but the paragraphs listed are for a previous safety manual version. MWAA has now issued a new Safety Manual 18 so it doesn't match the changes listed in Section 007300. Please clarify.
- Answer:** Specification Section 007300 has been revised. (Amendment is forthcoming).

- 13. Question:** On drawing EL06.01 – Drawing Note #5 and 261301-2.1.C.3.a.4 – specify protective relays to be microprocessor based GE multi line relays. Would other microprocessor based relays be acceptable? Ex. SEL, Square D SEPAM, Etc.
- Answer:** Yes; Substitutions are acceptable, if submitted per requirements identified in Specification Section 016000. (Amendment is forthcoming).
- 14. Question:** EL00.02 GN #03 – indicates that MWAA has first right of refusal for any equipment shown to be removed. Please confirm if MWAA wishes to maintain possession of the following pieces of equipment. MV Cable? Existing SDC switch gear and breakers? If MWAA does take salvage of this equipment will MWAA provide crane and trucking to remove from the project site or will the contractor be expected to deliver and off load on site.
- Answer:** Note GN #23 has been deleted. (Amendment is forthcoming).
- 15. Question:** During any of the planned change overs and transitions from the old to the new SDC, are generators going to be required for short term (4-8hr) duration outages? If yes please provide size and quantity of generators that will be required during transitions.
- Answer:** See response to Question #7. All other facilities are serviced by two 5kV feeders from SDC switchgear. For each facility serviced by the SDC switchgear, one of the two 5kV feeders shall be kept energized, while work is being performed on the other 5kV feeder.