



**State of Rhode Island
Department of Administration / Division of Purchases
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**Solicitation Information
March 20, 2013**

ADDENDUM # 4

RFP# 7459255

Title: Electrical Engineering Services Evaluation & Improvements to Emergency Power

Bid Opening: March 28, 2013 12:00 noon (Local Prevailing Time)

Notice to Vendors:

See attached questions with answers. No further questions will be answered.

**Thomas Bovis
Interdepartmental Project Manager**

Interested parties should monitor this website, on a regular basis, for any additional information that may be posted.

Questions: RFP # 7459255 – Electrical Investigation Proposed Upgrades DOT Building

- 1) Is the intent of this RFP to fully bring this facility into modern electrical code compliance, if so what NEC code year is required, NEC 2011 with RI amendments?

Yes, latest accepted code.

- 2) Is there a requirement for the electrical upgrades to incorporate lightning protection and or surge suppression such as a TVSS system on your main service entrance or any other location within the facility?

Recommendations of engineer.

- 3) Existing condition of electrical devices, wire/ insulation, is there knowledge of old devices /wiring that may be made of contaminated or present day hazards that may require testing and abatement to be included in this proposal?

Yes

- 4) Is there permitted use or requirement of specific conduit type, Rigid Metal, Light Metal, EMT or PVC? Stated locations where conduit type is permissible?

Minimum code requirement and best practice.

- 5) Please state the allowed requirements for opening of electrical gear and panels, for inspection and testing, are we and sub contractors required to rigidly follow, NFPA 70E?

Follow 70E

- 6) To rebalance loads as requested can we get a listing and floor location of major equipment, manufacturer, nameplate info and model? Such as: HVAC, AHUs, RTUs, Compressors, Chillers and DOT testing equipment.

Yes

- 7) The testing lab discussed with heavy equipment, will that equipment be removed at or near the project end date so that we can stage the project such that the electrical branch circuits for that equipment is the last to be reorganized and replaced?

Unknown

- 8) Will RI DOT or DOA provide a state employee – facilities manager or architect to assist in the electrical systems design and layout for best future use of this facility including new or replacement electrical panel or room locations?

Yes

- 9) While the RFP specifically asks to remove junction/splice boxes it also asks to remove load centers in closets. While a bit of a dichotomy here. There is no concern of disruption or down time for those areas serviced by these load centers?

There will be a disruption during normal hours and on occasion off hours.

10) Is there to be specific restrictions of working hours, off hours required, down time/ shut down restrictions etc?

No

11) Any known, fireproofing, hazardous material or asbestos abatement required under this project.

Unknown

12) Any known chase locations, stacked vertically electrical closets or rooms to be reused or planned in this facility? Any restricted electrical room locations known?

Unknown

13) Please provide if known the electrical service's utility transformer(s), KVA, KW, primary and secondary voltages and wire size into this facility. For example; primary voltage 23KV, secondary voltage: 480V 3 ph, 208/120V 3ph etc..

Available from National grid

14) This project is limited to electrical service: primary and secondary transformation, standby generator, ATS and distribution and does not include, receptacles, devices, branch wiring from distribution panels(load centers), underground raceways, telephone, fire, security, data or CCTV?

Yes

15) 12 months of utility billings usage KWH, KW demand whatever is available from the utility.

Yes

16) Most current Electrical/Mechanical drawings of power riser, major HVAC equipment?

None available/service drawings available

17) Are alternative reliable fuels to diesel available on site, such as natural gas or propane and is there main capacity for sizable generator load?

Yes

18) RFP stipulates the generator to supply 100% of building load. Is the intent by RI to size the generator at exactly 100% of load or a more typical sizing to allow 20% excess capacity or 125% of actual load?

Yes

19) Is there requirements for this facility to provide any specialized power to data equipment or data center(s) located in this building?

Unknown

- 20) Throughout the RFP the generator is referred as “an emergency generator” however it is required to handle 100% of the building load. This is by Code a “stand-by generator”; although not specifically mentioned, will emergency circuits be connected to this generator? Will the design be responsible to separate all the emergency loads and other loads throughout the building?

Emergency at and gen will remain in place

- 21) There are other obvious Code violations within the building; will the design be responsible to correct other electrical code violations encountered during the investigations?

Yes

- 22) Is the testing company required to provide instantaneous or recorded amperage readings? If recorded for what time period?

24 hours one week

- 23) Based on the uncertainty of load measurement requirements could the load measurement by a Testing Company be included on the bid form as an allowance?

Yes

- 24) Will electrical system shutdowns be allowed during the day or will test equipment need to be installed off-hours?

Off hours only

- 25) Will existing building plans, in AutoCAD format, be made available for design?

No

- 26) Will weekly construction meetings be required? Is this time above and beyond the 2hrs. per week indicated in Section 5.3; 10?

Yes

- 27) Payment Procedures indicate that “Schematic Design Phase” is limited to 10%, due to the extensive field work that is required for this phase can that percentage be adjusted?

No

- 28) Will the 10% MBE goal be required for this project?

No

29) Will a topographical survey be required for the “site plan” mentioned under Section 2; A, or can locations be indicated on an existing plan or image?

No

30) What is the desired extent of the “Existing One Line Diagram” mentioned under Section 2; A; b? Does this one line just indicate to the panel board level or down to the branch circuit and final loads?

Down to the branch circuit and final loads