

ITEM 670.83----25 -REMOVAL AND REINSTALLATION OF EXISTING ELECTRICAL EQUIPMENT

1. DESCRIPTION:

- 1.01 Under this work, the Contractor shall provide for the disconnection, dismantling, removal, storage, and reinstallation of the existing electrical system, wiring, raceway, components, and equipment, as indicated on the drawings, and as directed by the Engineer. If necessary by condition, or by electrical code requirements, individual pieces of the electrical system shall be replaced by the Contractor, as directed by the Engineer.

2. MATERIALS:

- 2.01 All materials furnished by the Contractor, if necessary, shall be UL listed (if applicable) for its intended use, and comply with NFPA-70 (National Electrical Code).

3. CONSTRUCTION DETAILS:

- 3.01 The Contractor shall disconnect, dismantle and remove: wiring, and wiring devices; conduits, raceways, and fittings; outlet boxes, splice boxes and pullboxes; brackets, mounting supports, and their associated hardware; and all other items identified on the drawings, or as directed by the Engineer.
- 3.02 The Contractor shall verify that the circuit or electrical item is not in use, or abandoned, prior to disconnection, dismantling, and removal.
- 3.03 All items removed shall remain the property of the Thruway Authority, and shall be turned over to the Thruway Authority for a determination as to which items the Thruway Authority wishes to keep, and those items which shall be disposed of by the Contractor.
- 3.04 All items selected by the Thruway Authority for disposal shall be legally disposed of, off site, by the Contractor.
- 3.05 The Contractor shall include in this work, coordination with the electrical utilities and the Thruway Authority for the respective service shutdowns **and energizing operations**.
- 3.06 The reinstallation of all wiring, and wiring devices; conduits, raceways, and fittings; outlet boxes, splice boxes, and pull boxes; brackets, mounting supports and their associated hardware, and all other items identified on the drawings, and or ordered by the Engineer, shall be completed in accordance with NFPA-70 (National Electrical Code).
- 3.07 Prior to reinstallation, the condition of all removed electrical system components shall be inspected for proper functionality and compliance with current NFPA-70 (National Electrical Code) requirements. Individual electrical components which are not functioning properly, or do not comply with the current NFPA-70 Code shall be replaced by the Contractor.

4. METHOD OF MEASUREMENT:

- 4.01 The work shall be measured as the number of electrical system component locations removed, dismantled, stored, and reinstalled as identified in the contract plans, **and/or** as directed by the Engineer.

5. BASIS OF PAYMENT:

- 5.01 The unit price bid for each location removed and reinstalled shall include all labor, materials, and equipment necessary to **satisfactorily** complete the work.