

**ITEM 662.10050125 – FURNISH AND INSTALL CABLE MANHOLE, TYPE M14**

**ITEM 662.10050225 – FURNISH AND INSTALL CABLE MANHOLE, TYPE M14 (SLOTTED)**

**1. DESCRIPTION:**

1.01 This work will consist of furnishing and installing cable manholes at the locations shown on the plans or as directed by the Engineer.

**2. MATERIALS:**

2.01 This work shall consist of furnishing and installing precast concrete manholes at locations shown on the plans or as directed by the Engineer. The precast manholes, including roofs, walls and cast iron frames shall be furnished by the contractor and delivered by the manufacturer to the site. The manufacturer shall be [REDACTED]

The precast manholes shall be ordered as per details as shown on the contract drawings.

2.02	Masonry or Concrete Collars	Section 604-2.01
	Crushed Stone	Concrete Aggregate Type CA2 (Table 501-2)
	Excavation	Section 206 (Trench, Culvert, and Structure Excavation)
	Backfill	Section 203-3.15
	Sheeting	Section 206

2.03 A galvanized steel bracket or manhole step shall be included in concrete collars as a ladder support. The contractor shall also furnish all other material required including, but not limited to, concrete floors, bar reinforcement, cement concrete grout and mortar. These materials and their necessary construction details shall

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conform to the following specifications and indicated sections of the New York State Department of Transportation (NYSDOT) Standard Specifications:

A. Concrete Floor - The provisions for Item 555.0105 - Concrete for Structures, Class A shall apply.

B. Concrete Grout - The provisions for Item 204.01 - Controlled Low Strength Material, shall apply.

C. Mortar - The provisions for Section 705-21, Mortar for Concrete Masonry, shall apply.

D. Reinforcement - The provisions for Item 556.0201 - Uncoated Bar Reinforcement for Concrete Structures shall apply.

2.04 The contractor shall notify Con Ed of the installation schedule at least thirty (30) days prior to the actual planned installation date.

It is the contractor's responsibility to inspect the material immediately upon delivery and advise the manufacturer promptly of all damaged material.

Any material damaged or lost after the contractor's inspection shall be replaced by the contractor at no additional expense.

**3. CONSTRUCTION DETAILS:**

3.01 The nature of the work is such that certain specified requirements of the [REDACTED], shall be followed. The contractor is responsible for obtaining copies of [REDACTED] as necessary.

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The contractor shall install cable manholes at [REDACTED]

[REDACTED] present at the work site.

Excavation and backfill shall be in accordance with the provisions of Item 206.04 of the NYSDOT Standard Specifications and the Con Ed Specifications.

For slotted manholes, the contractor shall install the [REDACTED]

[REDACTED] For details, refer to the following specifications:

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

3. Any void space left around the conduit at the slotted openings of the walls and floors of the manholes shall be filled with concrete grout material conforming to the requirements of Item 204.01.

**4. METHOD OF MEASUREMENT:**

4.01 This work will be measured as the number of cable manholes furnished and installed, as shown on the plans and/or as directed by the Engineer.

**5. BASIS OF PAYMENT:**

5.01 The price bid for each manhole shall include the cost of all labor, equipment and materials, necessary to complete the work as shown on the plans, in accordance with the Con Ed specifications, and as directed by the Engineer, including the cost of replacing any materials lost or damaged by the contractor. The cost of trench

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and culvert excavation, the concrete floor, concrete grout material, mortar, frames and grates and reinforcement shall be included in the cost for this item. Stone bedding shall be paid for separately.