

ITEM 0102301

8" REINFORCED CONCRETE SIDEWALK

DESCRIPTION

Item shall include saw-cutting and removing existing walk and construction of a reinforced concrete walk on processed traprock foundation in the locations and to the dimensions and details shown on the plans or as ordered by the Engineer; all in accordance with these specifications.

REFERENCED ITEMS

Item 0102101

REQUIRED SUBMITTALS

Material Certificate of Compliance:

Submit 5 copies of material certificate of compliance for concrete in accordance with the contract general requirements.

MATERIALS

1. **FOUNDATION**

All foundation material and construction methods shall conform to those specified in Item 0102101, however, the completed foundation shall be 8" below and parallel to the finished grade.

2. **CONCRETE**

Concrete shall conform to the requirements as specified under Item 0102101. Air entrainment shall be 6 ± 1 percent. Test for air content of fresh concrete shall be made during construction. Because of the effects of mixing and vibration, samples for air content shall be taken from concrete after it has been placed by qualified technicians per ASTM C-231-03.

CONSTRUCTION METHODS

All provisions of Item 0102101 shall apply to this item except as follows:

1. **EXCAVATION**

Excavation shall be 20" below and parallel to finished grade and the maximum depth of removal of soft-yielding material shall be 32" deep. Cutting and removal of the existing curb, combination curb and gutter, sidewalks, or reinforced concrete walk shall be part of this excavation.

2. **FORMS**

Forms shall be 8" deep, sufficiently rigid, and securely braced to prevent displacement upon placing of concrete.

3. **WIRE MESH REINFORCING AND REINFORCING BARS**

Wire mesh reinforcing shall be welded steel, No. 8 wire spaced 6" x 6" both ways. All 8" concrete walks shall be reinforced, the mesh shall be lapped 8" and tied together with wire spaced not over 24" on centers to prevent displacement. The concrete shall be struck off to a reasonable true grade prior to placing the wire mesh.

4. **JOINTS**

Transverse doweled expansion joints shall be placed in the 8" walk in accordance with the details. Transverse doweled expansion joints shall be placed between all 8" and 5" walk, if any in accordance with the details. All costs associated with transverse expansion and dummy joints and dowels shall be included in the cost of the 8" reinforced concrete walk. Expansion material shall meet ASTM Specification D-1752-04 Type II.

5. **FOUNDATION**

Completed foundation shall be 8" below and parallel to finished grade. Foundation and backfill shall conform to requirements as specified in Item 0102101.

METHOD OF MEASUREMENT

This work will be measured for payment by the actual number of square feet of completed and accepted 8" reinforced concrete walk.

BASIS OF PAYMENT

This work will be paid for at the contract unit price per square foot for "8-INCH REINFORCED CONCRETE SIDEWALK", complete in-place, which price shall include all transverse expansion surplus material, processed traprock base, repair of disturbed driveway, equipment, tools, and all material and labor incidental thereto.

<u>PAY ITEM</u>	<u>DESCRIPTION</u>	<u>PAY UNIT</u>
0102301	8" Reinforced Concrete Sidewalk	SF