

Special Specification 3021

Concrete Pavement Wide Flange Terminals



1. DESCRIPTION

Construct wide flange terminals for concrete pavement.

2. MATERIALS

Furnish materials conforming to the following:

- Item 360, "Concrete Pavement,"
- Item 421, "Hydraulic Cement Concrete,"
- Item 440, "Reinforcement for Concrete," and
- Item 442, "Metal for Structures."

Use ASTM A 36 steel for wide-flange structural steel. Shop-fabricate wide-flange beams in accordance with the plans. Unless otherwise shown on the plans, wide-flange beams are not required to be welded or spliced at longitudinal construction joints.

3. CONSTRUCTION

Construct concrete pavement wide flange terminals in accordance with the plans.

- 3.1. **Excavation, Backfilling, and Base Preparation.** Excavate and backfill in accordance with Item 400, "Excavation and Backfill for Structures," and the plans. Avoid over-excavation. Restore subgrade and base layers damaged by excavation. Construct subgrade, base, and pavement layers in accordance with the plans.
- 3.2. **Reinforcement and Structural Steel.** Secure reinforcement in position before concrete placement in accordance with Item 440, "Reinforcement for Concrete," and the plans. Accurately secure wide-flange beams in position in accordance with the plans and with sufficient supports to safely maintain alignment during concrete placement and finishing.
- 3.3. **Concrete Placement and Finishing.** Use Class P hydraulic cement concrete. Place hydraulic concrete pavement in accordance with Item 360, "Concrete Pavement." Place bridge approach slabs in accordance with Item 422, "Concrete Superstructures."
- 3.4. **Opening to Traffic.** Open concrete pavement terminal to traffic in conformance with Item 360, "Concrete Pavement."

4. MEASUREMENT

This Item will be measured by the foot of concrete pavement terminal complete in place. Measurement will be made perpendicular to the direction of the flow of traffic.

This is a plans quantity measurement Item. The quantity to be paid is the quantity shown in the proposal, unless modified by Article 9.2, "Plans Quantity Measurement." Additional measurement or calculations will be made if adjustments of quantities are required.

5. PAYMENT

The work performed and the materials furnished in accordance with this Item and measured as specified under "Measurement" will be paid for at the unit price bid for "Wide Flange Pavement Terminals."

This price is full compensation for excavation, disposal of waste material, backfilling, 12 in. cement treatment, hydraulic cement concrete (sleeper slab and support slab) underneath the concrete pavement, joint material, reinforcing steel, wide-flange beams, equipment, materials, labor, tools and incidentals.

Subgrade treatment, asphalt concrete, base material, and curbing required by the plans will be measured and paid for in accordance with pertinent Items. Concrete pavement constructed as part of the concrete pavement terminal will be paid for under Item 360, "Concrete Pavement."