



SECTION 503

BRIDGE APPROACH SLAB

503.1 Description. This work shall consist of constructing a reinforced concrete bridge approach slab on a prepared subgrade in accordance with these specifications as shown on the plans or as directed by the engineer.

503.2 Material. All material, proportioning, air-entraining, mixing, slump and transporting of Portland cement concrete shall be in accordance with [Sec 501](#). Approach slabs shall be constructed of pavement concrete or an approved Class B-1 concrete mixture. All material shall be in accordance with Division 1000, Material Details, and specifically as follows:

Item	Section
Reinforcing Steel for Concrete Structures	1036
Concrete Sealer	1053
Concrete Curing Material	1055
Material for Joints	1057
Polyethylene Sheeting	1058

503.3 Construction Requirements. Bridge approach slabs shall be constructed in accordance with [Secs 703](#) and [706](#), and shall attain a compressive strength of 4000 psi (28 MPa) prior to opening to traffic. Bridge approach slabs shall be textured in accordance with [Sec 703](#). Curing shall be in accordance with [Sec 502](#), except the liquid membrane-curing compounds shall be in accordance with [Sec 1055](#) for bridge curing compounds. Bridge approach slabs will not require sealing with a concrete sealer.

503.3.1 Voids Under Completed Approach Slabs. Prior to acceptance of the work, all underseal access holes shall be opened by the contractor to permit investigation by the engineer. Any voids or cavities found shall be filled by the contractor using an approved method. Care shall be taken during pumping operations to avoid raising the approach slab.

503.3.2 Filling Holes. At the completion of the investigation or underseal pumping, the holes shall be filled with sand to within one inch (25 mm) of the top and the remainder filled with joint sealing material.

503.3.3 Aggregate Base Testing of aggregate base will be completed by the engineer.

503.4 Method of Measurement. Final measurement of the completed bridge approach slab will not be made except for authorized changes during construction or where appreciable errors are found in the contract quantity. Where required, measurement of the approach slab will be made to the nearest square yard (m²). This area will be measured transversely from out to out and longitudinally from end to end of bridge approach slab. The revision or correction will be computed and added to or deducted from the contract quantity.

503.5 Basis of Payment. The amount of completed and accepted work as shown on the plans, measured as provided above, will be paid for at the contract unit price. No direct payment will be made for the reinforcing steel for bridge approach slabs. No direct payment will be made for investigating void conditions under the completed slab or for filling any voids found.