

SECTION 3.03 CONCRETE BASE

3.03.01--Description: This base shall consist of concrete composed of portland cement and fine and coarse aggregates, mixed in the hereinafter specified proportions and constructed on the prepared subbase to the form and dimensions shown on the plans, and in accordance with these specifications. The base shall be reinforced when so specified.

3.03.02--Materials: All materials for this work shall conform to the requirements of Article M.03.01 for concrete pavement and Article M.06.01 for reinforcing steel.

3.03.03--Construction Methods: The construction methods for the base shall conform to the applicable requirements given in Article 4.01.03 for concrete pavement as modified and supplemented by the following requirements:

Joints will not usually be required in the construction of the base. When called for, joints shall be formed of the type and in the location as shown on the plans or as directed. Joints shall also be formed around all objects that project through the base, also between the base and curbs, concrete gutters, etc., when ordered.

When no transverse joints are to be installed, the operation of placing and spreading shall be continuous during any working period. At the end of any working period, a bulkhead of steel or a 50 mm plank conforming to the cross section of the base course shall be placed at right angles to the centerline and perpendicular to the surface; and the concrete shall be finished to it. When work is resumed, the bulkhead shall be removed and the surface roughened and wetted before concrete is placed against it.

3.03.04--Method of Measurement: The method of measurement for the materials entering into the construction of the base shall be described in Article 4.01.04 for concrete pavement.

3.03.05--Basis of Payment: Payment for the concrete base will be made as follows:

1--Concrete: This material will be paid for at the contract unit price per cubic meter for "Concrete for Base," complete in place, which price shall include all equipment, tools, labor and work incidental thereto and all materials except mat reinforcements, joints, joint supports and joint filler which will be paid for as stated hereinafter.

No direct payment will be made for the concrete in and the curing of the required test cylinders as specified hereinbefore, but the cost of this work shall be considered as included in the general cost of the work. The work of transporting and testing these cylinders will be done by the Department without expense to the Contractor.

2--Reinforcement: The reinforcement for the concrete base will be paid for at the contract unit price per square meter of base for "Mat Reinforcement for Concrete Pavement," complete in place, which price shall include all materials, equipment, tools, labor and work incidental hereto.

3--Joints: The expansion joints and the contraction joints will be paid for respectively at the contract unit price per meter for "Transverse Expansion Joint" and for "Transverse Contraction Joint," complete in place, which price shall include all joints filler where required, all joint seal, load transfer devices, and all other materials, equipment, tools, labor and work incidental thereto.

Longitudinal joints and dummy joints including seal, if required, will not be paid for directly, but the cost thereof shall be considered as included in the general cost of the work.

4--Longitudinal Joint Supports: The devices required in connection with longitudinal joints will be paid for at the contract unit price each for "Longitudinal Joint Support," complete in place, which price shall include all materials, equipment, tools, labor and work incidental thereto.

5--Expansion Joint Filler: The expansion joint filler, other than that which is a part of the transverse joint assembly, will be paid for at the contract unit price per meter for "Expansion Joint Filler" of the type and thickness specified, complete in place, which price shall include all joint filler, joint seal and all other materials, equipment, tools, labor and work, incidental thereto.

Pay Item	Pay Unit
Concrete For Base	m ³
Mat Reinforcement for Concrete Pavement	m ²
Transverse Expansion Joints	m
Transverse Contraction Joints	m
Longitudinal Joint Support	EA.
Type and Thickness Expansion Joint Filler	m