

ITEM 01502.0001 M - PORTLAND CEMENT TREATED PERMEABLE BASE
ITEM 01502.X0X0 M - PORTLAND CEMENT CONCRETE (PCC)
PLACEMENT FOR FULL

DEPTH PAVEMENT REPAIRS (Entire Series)

ITEM 01502.9100 M - CONSTRUCTING TRANSVERSE JOINTS

ITEM 01502.9110 M - CONSTRUCTING LONGITUDINAL JOINTS

DESCRIPTION. Place Class C, Class F, or High-Early-Strength (HES) PCC as indicated in the contract documents in a previously prepared full depth repair area.

MATERIALS AND EQUIPMENT.

Portland Cement Concrete	501
Longitudinal Joint Ties	705-14
Transverse Joint Supports	705-15
Wire Fabric for Concrete Reinforcement	709-02
Epoxy Coated Bar Reinforcement, Grade 420	709-04
Quilted Covers (for curing)	711-02
Plastic Coated Fiber Blankets (for curing)	711-03
Polyethylene Curing Covers (white opaque)	711-04
Membrane Curing Compound	711-05
Form Insulating Materials for Winter Concreting	711-07
Water	712-01

Apply §502-2.01, Concrete, for Class C and Class F concrete, §502-2.02, HES Concrete, and §502-2.03, Portland Cement Treated Permeable Base, where indicated in the contract documents.

Use equipment meeting:

§502-2.04B1	Forms
§502-2.04B3	Paving Irregular Areas
§502-2.04C	Vibrators
§502-2.04D	Permeable Base Paving Equipment
§502-2.04E	Saw Cutting Equipment
§502-2.04F	Curing Compound Applicators

CONSTRUCTION. Apply the following from Section 502, Portland Cement Concrete Pavement, as modified herein:

§502-3.01	Weather Limitations
§502-3.03	Portland Cement Treated Permeable Base
Use permeable base if the pavement being repaired was constructed with permeable base.	
Place permeable base 100 mm thick. Apply fixed form paving requirements .	
§502-3.05	Fixed Form Paving
Consider full depth repairs to be irregular areas.	
§502-3.06	Joint Construction
§502-3.09	Finishing
§502-3.10	Texturing

ITEM 01502.0001 M - PORTLAND CEMENT TREATED PERMEABLE BASE
ITEM 01502.X0X0 M - PORTLAND CEMENT CONCRETE (PCC)
PLACEMENT FOR FULL

DEPTH PAVEMENT REPAIRS (Entire Series)

ITEM 01502.9100 M - CONSTRUCTING TRANSVERSE JOINTS

ITEM 01502.9110 M - CONSTRUCTING LONGITUDINAL JOINTS

Do not texture the plastic concrete if it will be diamond ground. The Engineer may require longitudinal astroturf drag if that was the original pavement texture.

§502-3.11	.....	Curing
§502-3.13	.....	Pavement Protection
§502-3.14	.....	Damaged or Defective Concrete
§502-3.15	.....	Hardened Surface Test
Only apply if the pavement is not diamond ground.		
§502-3.18	.....	Opening to Traffic

METHOD OF MEASUREMENT. The Engineer will compute the following quantities for items incorporated into the finished pavement in accordance with the contract documents:

Portland Cement Treated Permeable Base. Cubic meters from the payment lines shown in the contract documents and the Engineer-approved repair area marked on the pavement prior to repair. No deductions will be made for catch basins, manholes, or other similar pavement obstructions.

Portland Cement Concrete, Unreinforced, All Classes. Cubic meters from the payment lines shown in the contract documents and the Engineer-approved repair area marked on the pavement prior to repair. Deductions, and separate payment, will be made for catch basins, manholes, or other similar pavement obstructions requiring either mesh reinforced or heavily reinforced placements.

Portland Cement Concrete, Mesh or Heavily Reinforced, All Classes. Cubic meters from the payment lines shown in the contract documents and the Engineer-approved repair area marked on the pavement prior to repair. No deductions will be made for drainage and utility structures or other similar pavement obstructions being isolated from the surrounding pavement.

Constructing Transverse Joints. Meters of transverse joints constructed within the repair boundary. Separate measurement and payment will be made for transverse joints that define the repair boundary and drilling and anchoring dowels into those joints.

Constructing Longitudinal Joints. Meters of longitudinal joints constructed within the repair boundary. Separate measurement and payment will be made for longitudinal joints that define the repair boundary and drilling and anchoring longitudinal joint ties in those joints.

BASIS OF PAYMENT.

Portland Cement Treated Permeable Base. In the unit bid price, include the cost of all materials, equipment, and labor necessary to place and consolidate the permeable base. No additional payment will be made for extra work required by the Engineer to repair damage to the adjacent permeable base or pavement incurred during any operation. Additional payment will be made for

ITEM 01502.0001 M - PORTLAND CEMENT TREATED PERMEABLE BASE
ITEM 01502.X0X0 M - PORTLAND CEMENT CONCRETE (PCC)
PLACEMENT FOR FULL

DEPTH PAVEMENT REPAIRS (Entire Series)

ITEM 01502.9100 M - CONSTRUCTING TRANSVERSE JOINTS

ITEM 01502.9110 M - CONSTRUCTING LONGITUDINAL JOINTS

extra work required by the Engineer if the original repair area did not completely extend into sound concrete.

Portland Cement Concrete, Unreinforced, All Classes. In the unit bid price, include the cost of all materials, equipment, and labor necessary to place, spread, consolidate, finish, texture, cure, test, and straight edge the repair. No additional payment will be made for Contractor-requested HES concrete mixes or extra work required by the Engineer to repair damage to the adjacent pavement incurred during any operation. Additional payment will be made for extra work required by the Engineer if the original repair area did not completely extend into sound concrete.

Portland Cement Concrete, Mesh or Heavily Reinforced, All Classes. In the unit bid price, include the cost of all materials, equipment, forms, reinforcing steel, and labor necessary to form, reinforce, place, spread, consolidate, finish, texture, cure, test, and straight edge the repair. No additional payment will be made for Contractor-requested HES concrete mixes or extra work required by the Engineer to repair damage to the adjacent pavement incurred during any operation. Additional payment will be made for extra work required by the Engineer if the original repair area did not completely extend into sound concrete.

Constructing Transverse Joints. In the unit bid price, include the cost of all materials, equipment, and labor necessary to construct transverse joints, including the cost of transverse joint supports depicted in the approved Materials Details, first-stage saw cutting to establish contraction joints within the repair boundaries, and premoulded resilient joint filler at isolation joints within the repair boundaries. Separate payment will be made for constructing transverse joints that define the repair boundary and drilling and anchoring dowels into those joints. Separate payment will be made for joint sealing or joint filling.

Constructing Longitudinal Joints. In the unit bid price, include the cost of all materials, equipment, and labor necessary to construct longitudinal joints, including the cost of first-stage saw cutting between lanes placed simultaneously, applying bond breaker to longitudinal joints that define the repair boundary where indicated in the contract documents, affixing keyways to forms, special keyway construction for untied longitudinal joints, longitudinal joint ties, bolting multiple-piece ties to forms, field coating ties, and preparing and assembling multiple-piece ties. Separate payment will be made for constructing longitudinal joints that define the repair boundary and drilling and anchoring ties into those joints. Separate payment will be made for joint sealing or joint filling.

Payment Will Be Made Under:

01502.0001 M	Portland Cement Treated Permeable Base	Cubic Meter
01502.0010 M	Portland Cement Concrete Placement for Full-Depth Repair Unreinforced, Class C	Cubic Meter
01502.0020 M	Portland Cement Concrete Placement for Full-Depth Repair Unreinforced, Class F	Cubic Meter

ITEM 01502.0001 M - PORTLAND CEMENT TREATED PERMEABLE BASE
ITEM 01502.X0X0 M - PORTLAND CEMENT CONCRETE (PCC)
PLACEMENT FOR FULL

DEPTH PAVEMENT REPAIRS (Entire Series)

ITEM 01502.9100 M - CONSTRUCTING TRANSVERSE JOINTS

ITEM 01502.9110 M - CONSTRUCTING LONGITUDINAL JOINTS

01502.0030 M	Portland Cement Concrete Placement for Full-Depth Repair Unreinforced, HES	Cubic Meter
01502.1010 M	Portland Cement Concrete Placement for Full-Depth Repair Isolated, Mesh Reinforced, Class C	Cubic Meter
01502.1020 M	Portland Cement Concrete Placement for Full-Depth Repair Isolated, Mesh Reinforced, Class F	Cubic Meter
01502.1030 M	Portland Cement Concrete Placement for Full-Depth Repair Isolated, Mesh Reinforced, HES	Cubic Meter
01502.2010 M	Portland Cement Concrete Placement for Full-Depth Repair Isolated, Heavily Reinforced, Class C	Cubic Meter
01502.2020 M	Portland Cement Concrete Placement for Full-Depth Repair Isolated, Heavily Reinforced, Class F	Cubic Meter
01502.2030 M	Portland Cement Concrete Placement for Full-Depth Repair Isolated, Heavily Reinforced, HES	Cubic Meter
01502.9100 M	Constructing Transverse Joints	Meter
01502.9110 M	Constructing Longitudinal Joints	Meter

This specification is
DisApproved