

504.6

complete the work.

504.6-PAY ITEMS:

ITEM	DESCRIPTION	UNIT
504001-*	BITUMINOUS UNDERSEAL MATERIAL	GALLON (LITER)
504002-*	DRILLING HOLES IN CONCRETE PAVEMENT	EACH

* Sequence Number

505 –BLANK

SECTION 506
CONCRETE PAVEMENT REPAIR AND
HIGH EARLY STRENGTH CONCRETE PAVEMENT
REPAIR

506.1-DESCRIPTION:

This work shall consist of the removal and replacement of deteriorated concrete pavement and patches at locations as shown on plans or as specified by the Engineer. This work shall conform to the requirements of Section 601 except as modified herein.

506.2-MATERIALS:

Materials shall meet the provisions of 601.2.

Epoxy-coated dowel bars shall meet the requirements of Section 709.15.

Water reducer-accelerating admixtures shall meet the requirements of AASHTO M 194 Type E.

506.3-PROPORTIONING:

506.3.1-Concrete Pavement Repair: When Item 506001-* is specified, the concrete produced shall meet the requirements of Class B Concrete as specified in Section 601.

506.3.2-High Early Strength Concrete Pavement Repair: When Item 506002-* is specified, the concrete shall have a design compressive strength of 2000 psi at age 6 hours and shall have an entrained air content of 7% ± 2.5%.

506.4-OPENING PAVEMENT TO TRAFFIC:

When the strength of concrete specimens representing the concrete placed indicate that the concrete has attained a strength of 2000 psi, that concrete represented by the specimens may be put into service.

506.5-EQUIPMENT AND TOOLS:

All provisions of 501.5, Equipment and Tools, shall apply.

506.6-EXISTING PAVEMENT REMOVAL:

Removal of the existing pavement may be done by a method of the Contractor's choosing provided he removes the existing pavement full depth, and does not damage the adjacent concrete.

506.7-PLACING CONCRETE:

The concrete shall be placed in the patch using a metal chute; the free fall shall not be more than 3 ft. If the concrete does not fall into its final position in the patch, it shall be moved by means of shovels. Raking is prohibited. The concrete shall be worked with tampers, spades, or others tools to completely fill the patch area. Maximum effort will be used to insure that the area beneath the existing concrete pavement is completely filled; internal vibration will be used.

Following the placing of the concrete, the surface will be struck off to finished grade by means of an adjustable steel or wooden template and floated to a smooth finish.

506.8-METHOD OF MEASUREMENT:

The quantity of concrete pavement repair to be paid for will be the number of square yards complete in place and accepted.

506.9-BASIS OF PAYMENT:

The quantity of concrete pavement repair, determined as provided above, will be paid for at the contract unit price, which shall constitute full compensation for the furnishing, hauling, and placing of all materials, including admixtures, removal and disposal of old concrete, and all labor, tools, equipment, and incidentals necessary to complete the item.

506.10 - PAY ITEM:

ITEM	DESCRIPTION	UNIT
506001-*	CONCRETE PAVEMENT REPAIR	SQUARE YARD (METER)
506002-*	HIGH EARLY STRENGTH CONCRETE PAVEMENT REPAIR	SQUARE YARD (METER)

* Sequence Number

SECTION 507 CRACK AND POTHOLE REPAIR

507.1 - DESCRIPTION:

This work shall consist of repairing an existing concrete pavement surface prior to resurfacing with hot-laid asphalt concrete in accordance with these specifications.

507.2 - MATERIALS:

The materials shall conform to the requirements of the following sections.