

PROJECT SPECIAL PROVISIONS**ROADWAY****CONSTRUCTION SEQUENCE:**

(7-1-95)

R1 R34(Rev.)

Once a map is started the Contractor will be required to complete paving including intersections, before moving to another map.

INCIDENTAL STONE BASE:

(7-1-95) (Rev.3/09/11)

DIV. 7(Rev.)

Description

The Contractor shall place incidental stone base along the edge of pavement where low shoulders are present as well as on driveways, mailboxes, etc. immediately after paving and shall not have the paving operations exceed stone base placement by more than one week without written permission of the Engineer. All areas shall be backfilled and compacted to the satisfaction of the Engineer. Failure to meet this requirement shall be cause to cease paving operations until it can be met. Place final pavement marking after completion of this work.

Construction

Perform work in accordance with all applicable requirements of Section 545 of the *Standard Specifications* and this provision.

Materials

Refer to Section 545 of the *Standard Specifications*.

The Contractor will have the option of using Aggregate Shoulder Borrow (ASB) which meets the following gradation at locations indicated in the plan Summary of Quantities and as directed by the Engineer.

| <u>Sieve</u> | <u>Percent Passing</u> |
|--------------|------------------------|
| 1 1/2" | 100 |
| 1/2" | 55 – 95 |
| #4 | 35 – 74 |

Measurement and Payment

Incidental Stone Base will be measured and paid for in accordance with Article 545-6 of the *Standard Specifications*.

SHOULDER WEDGE:

(9-20-11) (Rev. 1-17-12)

610

R6 R03

Revise the *2012 Standard Specifications* as follows:

Page 6-26, Article 610-8, add the following after line 43:

Attach a device, mounted on screed of paving equipment, capable of constructing a shoulder wedge with an angle of not more than 30 degrees along the outside edge of the roadway, measured from the horizontal plane in place after final compaction on the final surface course. Use an approved mechanical device or a device provided by the Department which will form the asphalt mixture to produce a wedge with uniform texture, shape and density while automatically adjusting to varying heights. If the device is provided by the Department, then the Contractor shall return the device to the Engineer after completion of all shoulder wedge construction.

Payment for use of this device will be incidental to the other pay items in the contract.

ASPHALT BINDER CONTENT OF ASPHALT PLANT MIXES:

(11-21-00) (Rev. 7-19-11)

609

R6 R15

The approximate asphalt binder content of the asphalt concrete plant mixtures used on this project will be as follows:

| | | |
|--------------------------------------|--------------|------|
| Asphalt Concrete Base Course | Type B 25.0 | 4.4% |
| Asphalt Concrete Intermediate Course | Type I 19.0 | 4.8% |
| Asphalt Concrete Surface Course | Type S 4.75A | 6.8% |
| Asphalt Concrete Surface Course | Type SF 9.5A | 6.7% |
| Asphalt Concrete Surface Course | Type S 9.5 | 6.0% |
| Asphalt Concrete Surface Course | Type S 12.5 | 5.5% |

The actual asphalt binder content will be established during construction by the Engineer within the limits established in the *2012 Standard Specifications*.

PRICE ADJUSTMENT - ASPHALT BINDER FOR PLANT MIX:

(11-21-00)

620

R6 R25

Price adjustments for asphalt binder for plant mix will be made in accordance with Section 620 of the *2012 Standard Specifications*.

The base price index for asphalt binder for plant mix is \$ **634.29** per ton.

This base price index represents an average of F.O.B. selling prices of asphalt binder at supplier's terminals on **April 1, 2012**.

FINAL SURFACE TESTING NOT REQUIRED:

(5-18-04) (Rev. 5-15-12)

610

R6 R45

Final surface testing is not required on this project.

RESURFACING EXISTING BRIDGES:

(7-1-95) (Rev. 3-20-12)

R6 R61A

The Contractor's attention is directed to the fact that he will be required to resurface the bridges on this project if directed by the Engineer.

Place the surface so as to follow a grade line set by the Engineer with the minimum thickness as shown on the sketch herein or as directed by the Engineer. State Forces will make all necessary repairs to the bridge floors prior to the time that the Contractor places the proposed surfacing. Give the Engineer at least 15 days notice prior to the expected time to begin operations so that State Forces will have sufficient time to complete their work.

At all bridges that are not to be resurfaced, taper out the proposed resurfacing layer adjacent to the bridges to insure a proper tie-in with the bridge surface.

ASPHALT SURFACE TREATMENT

DDC 7

The provisions of Section 660 shall apply with the following exceptions and or additions:

Table 660-1 shall be revised as follows – The liquid and stone rates for No. 67 and No. 78m stone shall be revised. (See bold print in table below):

**TABLE 660-1
MATERIAL APPLICATION RATES AND TEMPERATURES**

| TYPE OF COAT | GRADE OF ASPHALT | ASPHALT RATE, GAL/SY Total | APPLICATION TEMP. °F | AGGREGATE SIZE | AGGREGATE RATE Lb/SY Total |
|---------------------|-------------------------|---------------------------------------|-----------------------------|-----------------------|---------------------------------------|
| Mat | CRS-2 or CRS-2P | 0.35- 0.40 | 150-175 | No. 67 | 15-20 |
| | CRS-2 or CRS-2P | 0.30-0.35 | 150-175 | No. 78M | 7-10 |

Note "A." associated with Table 660-1 is deleted.

Asphalt paving shall immediately follow rolling of mat coat. Mat shall not be subjected to traffic prior to asphalt overlay.

PAVING INTERSECTIONS:

(7-1-95) (Rev. 3-20-12)

610

R6 R67A

Surface all unpaved intersections back from the edge of the pavement on the main line of the project at least 50 feet. The pavement placed in the intersection shall be of the same material and thickness placed on the main line of the project.

Resurface all paved intersections back to the ends of the radii, or as directed by the Engineer.

The base on the unpaved intersections will be placed and prepared for surfacing by State Forces.

Widen the pavement on curves as directed by the Engineer.

ADJUSTMENT OF MANHOLES, METER BOXES, AND VALVE BOXES:

1/22/09 Div. 7

Utility adjustments on this project shall be made in accordance with Article 858-3 of the *2012 Standard Specifications* with the following exception:

Cast iron or steel fittings will not be permitted for the adjustment of manholes, meter boxes, and valve boxes on this project.

Adjustment to manholes, meter boxes, and valve boxes on this project shall be made by the use of an approved Rapid Set Grout, Mortar, or Concrete that will take full set and become load bearing within sixty minutes of placement. The Resident Engineer will furnish a list of approved materials to the Contractor.

The Contractor shall replace worn/damaged manhole rings and covers, worn meter box frames and covers, and worn valve box frames and covers, as directed by the Engineer, with a new ring/frame and cover assembly. The Department or utility owner will furnish these assemblies at no cost to the Contractor.

In the event that no adjustment is required to a manhole, meter box or valve box, a bond breaker such as sand, paper, asphalt release agent or other approved material shall be used over the top of the manhole or valve. The work of applying the material and subsequent cleaning of the manhole or valve shall be incidental to paving operations and no additional compensation will be made.

Measurement and Payment

Measurement and payment will be in accordance with Article 858-4 of the *2012 Standard Specifications*.

MATERIALS:

(2-21-12) (Rev. 5-15-12)

1005, 1081

R10 R01

Revise the 2012 Standard Specifications as follows:

Page 10-23, Table 1005-1, AGGREGATE GRADATION-COARSE AGGREGATE, replace with the following:

| Std. Size # | Percentage of Total by Weight Passing | | | | | | | | | | | | | | | Remarks |
|----------------|---------------------------------------|--------|--------|--------|--------|--------|--------|-------|-------|------|-------|-------------------|--|--|--|--|
| | 2" | 1 1/2" | 1" | 3/4" | 1/2" | 3/8" | #4 | #8 | #10 | #16 | #40 | #200 | | | | |
| 4 | 100 | 90-100 | 20-55 | 0-15 | - | 0-5 | - | - | - | - | - | A | | | | Asphalt Plant Mix |
| 467M | 100 | 95-100 | - | 35-70 | - | 0-30 | 0-5 | - | - | - | - | A | | | | Asphalt Plant Mix |
| 5 | - | 100 | 90-100 | 20-55 | 0-10 | 0-5 | - | - | - | - | - | A | | | | AST, Sediment Control Stone |
| 57 | - | 100 | 95-100 | - | 25-60 | - | 0-10 | 0-5 | - | - | - | A | | | | AST, Str. Concrete, Shoulder Drain, Sediment Control Stone |
| 57M | - | 100 | 95-100 | - | 25-45 | - | 0-10 | 0-5 | - | - | - | A | | | | AST, Concrete Pavement |
| 6M | - | - | 100 | 90-100 | 20-55 | 0-20 | 0-8 | - | - | - | - | A | | | | AST |
| 67 | - | - | 100 | 90-100 | - | 20-55 | 0-10 | 0-5 | - | - | - | A | | | | AST, Str. Concrete, Asphalt Plant Mix |
| 78M | - | - | - | 100 | 98-100 | 75-100 | 20-45 | 0-15 | - | - | - | A | | | | Asphalt Plant Mix, AST, Str. Conc, Weep Hole Drains |
| 14M | - | - | - | - | - | 100 | 35-70 | 5-20 | - | 0-8 | - | A | | | | Asphalt Plant Mix, AST, Weep Hole Drains, Str. Concrete |
| 9 | - | - | - | - | - | 100 | 85-100 | 10-40 | - | 0-10 | - | A | | | | AST |
| ABC | - | 100 | 75-97 | - | 55-80 | - | 35-55 | - | 25-45 | - | 14-30 | 4-12 ^B | | | | Aggregate Base Course, Aggregate Stabilization |
| ABC (M) | - | 100 | 75-100 | - | 45-79 | - | 20-40 | - | 0-25 | - | - | 0-12 ^B | | | | Maintenance Stabilization |
| Light-weight C | - | - | - | - | 100 | 80-100 | 5-40 | 0-20 | - | 0-10 | - | 0-2.5 | | | | AST |

- A. See Subarticle 1005-4(A).
- B. See Subarticle 1005-4(B).
- C. For Lightweight Aggregate used in Structural Concrete, see Subarticle 1014-2(E)(6).

Page 10-162, Subarticle 1081-1(A) Classifications, lines 4-7, delete the second and third sentences of the description for Type 3A.

Page 10-162, Subarticle 1081-1(B) Requirements, lines 26-30, replace the second paragraph with the following:

For epoxy resin systems used for embedding dowel bars, threaded rods, rebar, anchor bolts and other fixtures in hardened concrete, the manufacturer shall submit test results showing that the bonding system will obtain 125% of the specified required yield strength of the fixture. Furnish certification that, for the particular bolt grade, diameter and embedment depth required, the anchor system will not fail by adhesive failure and that there is no movement of the anchor bolt. For certification and anchorage, use 3,000 psi as the minimum Portland cement concrete compressive strength used in this test. Use adhesives that meet Section 1081.

List the properties of the adhesive on the container and include density, minimum and maximum temperature application, setting time, shelf life, pot life, shear strength and compressive strength.

Page 10-169, Subarticle 1081-3(G) Anchor Bolt Adhesives, delete this subarticle.