

1 Amend **Section 301 - Plant Mix Asphalt Concrete Base Course** to read as
2 follows:

3
4 **"SECTION 301 - PLANT MIX ASPHALT CONCRETE BASE COURSE**

5
6 **301.01 Description.** This section is for furnishing and placing one or more
7 courses of plant mix asphalt concrete base course (ACB) on a prepared subgrade
8 according to the contract.

9
10 Work in this section shall conform to Subsection 401.04 – Bituminous Mixing
11 Plant Requirements and Process.

12
13 **301.02 Materials.**

14
15 **(A) General.** Materials shall conform to the following:

16	Asphalt Cement	702.01
17		
18	Aggregate for Plant Mix Asphalt Concrete Base Course	703.03
19		
20	Filler	703.15
21		
22	Blending Sand	703.22
23		
24	Hydrated Lime	712.03
25		

26
27 Submit for acceptance, a job-mix formula for the mixture to be
28 supplied. This work shall not start and the Engineer will not accept the
29 mixtures until:

30
31 **(1)** the samples of the materials intended for use are submitted
32 and

33
34 **(2)** the Engineer establishes an asphalt content.

35
36 Submit the samples no less than 15 working days before the work
37 begins.

38
39 **(B) Plant Mix Asphalt Concrete Base Course (ACB).** The ACB
40 includes a mixture of aggregate, filler or blending sand or both if accepted,
41 and bituminous material. The Contractor shall size, uniformly grade, and
42 combine the several aggregate fractions in such proportions that the
43 resulting mixture conforms to Subsection 703.03 - Aggregate for Plant Mix
44 Asphalt Concrete Base Course. The resulting mixture shall be of optimum
45 cohesion at an air void content of 3% to 6%. Also, the resulting mixture
46 shall have a minimum stability of 37 when tested according to AASHTO T
47 246 (ASTM D 1560).

When requested by the Engineer, submit the supporting data for review. Base the tests on AASHTO T 245 (ASTM D 1559). The following table shows the design criteria:

TABLE 301-I - JOB MIX FORMULA DESIGN CRITERIA		
Number of compaction blows each end of specimen: 75		
Test Property	Minimum	Maximum
Stability, Pound	2,000	---
Flow, 0.01 inch	8	16
Percent Air Void	3	6
Voids In Mineral Aggregate (VMA), %	13	---

Add between 4 percent to 6 percent bituminous binder base on the dry weight of aggregate to the mixture as specified by the Engineer.

301.03 Construction Requirements.

(A) General. Work in this section shall conform to Subsection 401.05 - Construction Requirements except as modified herein.

Brooming off shall conform to Section 310 - Brooming Off.

Apply the tack coat to the layers of the mixture for multiple lift construction. Tack coat shall conform to Section 407 - Bituminous Tack Coat.

The criteria on mat thickness shall be as follows:

(1) Spread and compact the mixture in one layer where the required thickness is 6 inches or less.

(2) Spread and compact the mixture in two or more layers of approximate equal thickness where the required thickness is more than six inches. The maximum compacted thickness of one layer shall not exceed six inches.

Compact the mixture immediately upon completion of spreading operations to a density of more than 91 percent of the maximum theoretical specific gravity according to AASHTO T 209 (ASTM D 2041) modified by deletion of Section 8 supplemental procedure. Tamp places not accessible to the roller with mechanical tampers.

The combined thickness of the ACB and the asphaltic concrete pavement shall be within 0.02 foot of the planned thickness.

85 Cut samples from the compacted pavement within 24 hours of lay
86 down. The cut pavement samples shall be 12 inches by 12 inches or 4
87 inches diameter cores, minimum. Take samples of the mixture for the full
88 depth at the location as specified by the Engineer. Place and compact new
89 material to conform with the surrounding area after taking samples.
90

91 **(B) Plant Mix Asphalt Concrete Base Course (ACB).** When choosing
92 to use a drier-drum mixing plant equipped with cold-feed control, separate
93 the aggregate for the plant mix asphalt concrete base into three or more
94 sizes.
95

96 **301.04 Method of Measurement.** ACB will be paid on a lump sum basis under
97 Section 312 - Plant Mix Glassphalt Concrete Base Course. Measurement for
98 payment will not apply.
99

100 **301.05 Basis of Payment.** The Engineer will pay for the accepted ACB on a
101 contract lump sum basis under Section 312 - Plant Mix Glassphalt Concrete Base
102 Course. Payment will be full compensation for the work prescribed in this section
103 and the contract documents.
104

105 The Engineer will not pay for the bituminous tack coat separately. The
106 Engineer will consider the cost for the bituminous tack coat as included in the
107 contract price of the various contract items."
108

109
110
111
112
113 **END OF SECTION 301**
114