Amend	<b>Section</b>	302 -	Recycled	<b>Plant</b>	Mix	<b>Asphalt</b>	Concrete	Base	Course	to
read as	follows:		-			-				

"SECTION 302 - RECYCLED PLANT MIX ASPHALT

**CONCRETE BASE COURSE** 

**Description.** This section is for furnishing and placing recycled plant

The Recycled ACB includes a mixture of crushed

**Type Of Mix Plant** 

Batch

Drier-Drum

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> reclaimed asphaltic concrete pavement (RAP), virgin aggregate, and asphalt cement. Select the exact proportion of crushed RAP to virgin aggregate in the Do not exceed the proportion of crushed RAP to virgin aggregate:

302.02

Materials.

**Proportion** 30-70

40-60

302.01

The Contractor shall conform to the following requirements:

mix asphalt concrete base (Recycled ACB) according to the contract.

Asphalt Cement

Aggregate for Plant Mix Asphalt Concrete Base Course

703.03

702.01

Process the RAP to provide a uniform gradation from fine to coarse. 100% of the RAP shall pass the one and a half inch sieve. The extracted bitumen content for the crushed RAP shall be not less than 2% when tested according to AASHTO T 164 (ASTM D 2172). Handle and size the virgin aggregate material such that the blend of the crushed RAP material and the virgin aggregate material conforms to Subsection 703.03 - Aggregate for Plant Mix Asphalt Concrete Base Course.

Submit for acceptance a job-mix formula for the recycled mixture to be supplied. Confirm the job-mix formula, the source of aggregate, grade of bituminous material and the proportion of crushed RAP to be used in the mixture. Furnish only one grade of bituminous material and one recycle proportion for the product. Make grade or proportion changes only upon written permission by the Engineer.

The established recycled ACB mixture shall be of optimum cohesion at an air void content of 3% to 6% and have a minimum stability of 37 when tested according to AASHTO T 246 (ASTM D 1560). The Contractor shall submit for acceptance a job-mix formula based on tests according to AASHTO T 245 (ASTMD 1559) when requested by the Engineer. Subsection 301.02 - Materials specifies the job-mix formula. The total amount of bituminous binder in the recycled ACB mixture shall be between 4% and 6%. The amount added shall be as specified by the Engineer.

45 46	until:	This work st	nall not start and the Engineer will not accept the mixtures
47 48 49		( <b>1</b> ) and	the samples of the materials intended for use are submitted
50 51		(2)	the Engineer establishes an asphalt content.
52 53 54		Submit the s	amples no less than 15 working days before the work begins.
55 56	<b>302.0</b> to Sul		ction Requirements. Construction methods shall conform 3 - Construction Requirements, except as specified herein.
57 58 59 60			act the recycled ACB material thoroughly according to 401.05(E) - Compaction immediately upon completion of peration.
61 62 63 64		• •	quipment shall conform to Subsection 401.05 - Construction is except as specified herein.
65 66		(1)	Requirements for Batching Plants.
67 68 69			(a) The Engineer reserves the right to waive the three-bin operation.
70 71 72 73 74			<b>(b)</b> Heat the virgin aggregate material to an approximate temperature of 450 °F. to result in a finished mix temperature of approximately 280 °F. Control the mixing and weighing operations to optimize heat transfer from virgin aggregate material to the reclaimed aggregate material.
75 76 77 78 79 80 81 82			(c) Use an appropriate method to add the crushed RAP material to the heated virgin aggregate material. This method shall allow the crushed RAP material to be added after the virgin aggregate material has left the drier. The method shall provide a positive control on proportioning of the crushed RAP material into the mixture. The crushed RAP material shall:
83 84			<ol> <li>feed directly into the weigh hopper or pugmill;</li> </ol>
85 86 87 88			2. feed to an accuracy of 10% of the required weight;
89 90 91	en e		3. Have a maximum moisture content of 3% when mixed with the heated virgin aggregate.
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138 139	<b>302.05</b> Basis of Payment. The Engineer will pay for the accepted recycled ACB on a lump sum basis under Section 312 - Plant Mix Glassphalt Concrete
140	Base Course complete in place. Payment will be full compensation for the work
141	prescribed in this section and the contract documents.
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143	The Engineer will not pay for the bituminous tack coat separately and will
144	consider the cost for the bituminous tack coat as included in the contract price of
145	the various contract items in Section 401 - Asphalt Concrete Pavement."
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