

SPECIAL PROVISION

RECYCLED ASPHALT PAVEMENT

Description: This work shall consist of bituminous plant mix binder C1, C, and Surface Course E, of the grading specified placed in accordance with this special provision, the plans and specifications. The requirements of Sections 12, 26 and 27 of the Standard Specifications shall apply.

Materials: The contractor shall utilize asphaltic concrete removed from project by cold planing or other approved means in combinations with appropriate aggregate, asphalt cement and anti-stripping additive to produce a mixture which will otherwise meet all the requirements of Sections 12 and 26, or the contractor shall furnish a mixture composed of all new materials which will comply with the requirements of Sections 12, 26 and 27. An approved anti-stripping additive will be required in all recycled mixes.

A maximum of 20 percent of the recycled material shall be incorporated into the final mix, except that if the material is of uniform quality as documented by asphalt content and gradation test, the 20 percent maximum will not apply. Stockpiled material which becomes contaminated will be subject to rejection by the Engineer.

The asphalt cement shall be in accordance with Section 67 and be the grade approved by the Engineer. The asphalt cement and additive, if required, shall modify the recycled asphalt cement so that its performance is substantially equal to A. C. 20. When tested in accordance with AASHTO T 202, the recovered extracted asphalt (Absom Method) from the recycled mix shall have a viscosity of 4500 poises with the tolerances of plus or minus 1500.

The mixture will be accepted for aggregate gradation and asphalt content based on extractions.

A special design with asphalt content in the range of 4 to 8 percent shall be required where C mix is used as a surface course.

The contractor shall be responsible for his own sampling and testing of the samples, as well as new materials for bid purposes, and for the submission of the job mix formula in accordance with Section 67. All additives shall be submitted to the Engineer for approval at the same time other materials are submitted for design.

Where it is necessary to obtain a sample of the existing pavement for mix design, the contractor shall mill the existing pavement to the full depth shown on the plans for pavement removal for a length of approximately 50 feet in an area approved by the Engineer. The removed pavement shall be replaced as specified on the plans or directed by the Engineer.

Mixing: After mixing, the moisture content of the total mix shall be no more than 0.5 percent, and the provisions for lowering the temperature because of boiling or foaming shall not apply.

Equipment: The equipment for this work shall meet the requirements of Section 12, except that the asphalt plant shall be modified as approved by the Engineer to accommodate the asphalt planing which are to be added. If a batch plant is used to produce recycled mix, the aggregate shall be heated to a temperature which will transfer sufficient heat to the cold planings to produce a mix of uniform temperature within the specified range.

Method of Management: The complete mix, including new mineral aggregate, planings, asphalt cement and additive, shall be measured by the ton in accordance with Section 12.

Basis of Payment: The accepted quantities of Bituminous Plant Mix Binder (Hot Mix) complete in place, will be paid for at the contract unit price per ton for the total mix, which will include mineral aggregate, planing, asphalt cement, additive and in accordance with Section 12.

Payment will be made under:

Item No.	Pay Item	Pay Unit
26C1	Binder Type "C1"/Recycled Asphalt Pavement	Ton
26C	Binder Type "C"/Recycled Asphalt Pavement	Ton
27E	Surface Course "E"/Recycled Asphalt Pavement	Ton
27G	Surface Course "G"/Recycled Asphalt Pavement	Ton

END OF DOCUMENT