

Item No. 311S  
**Emulsified Asphalt Repaving**

**311S.1 Description**

This item shall govern the application of emulsified asphalt, of the type specified, as a binding agent in the recycling mixture of existing asphaltic surfaced streets. When used in the recycling process, the emulsified asphalt increases the asphalt content of the material being reprocessed to a design amount. The emulsified asphalt can be used either independently or in conjunction with an emulsified recycling agent.

This specification is applicable for projects or work involving either inch-pound or SI units. Within the text, the inch-pound units are given preference followed by SI units shown within parentheses.

**311S.2 Submittals**

The submittal requirements of this specification item include:

- A. List of recommended materials (i.e. emulsified asphalt, recycling agent, etc.).
- B. Recommended Job Mix Formula, including rate of application and percent of emulsified asphalt in the mixture.

**311S.3 Materials**

- A. When emulsified asphalt is used independently, it shall be SS-1 or CSS emulsion and conform to Item No. 301, "Asphalts, Oils and Emulsions".
- B. When emulsified asphalt is used in conjunction with an emulsified recycling agent, it shall be a cationic emulsion, CSS-1 and conform to Item No. 301, "Asphalts, Oils and Emulsions".

**311S.4 Construction Methods**

Emulsified asphalt shall be added to the recycled asphalt during the heater-scarifier operation. The Job Mixed Formula shall be determined from the tests performed before the project begins. The actual rate of application will be established based on field conditions and conform to Item No. 350S, "Heating, Scarifying and Repaving".

**311S.5 Measurement**

Emulsified Asphalt will be measured by the gallon (liter: 1 liter equals 0.264 gallons), complete in place.

**311S.6 Payment**

The work performed and materials furnished as prescribed by this item and measured as provided for under "Measurement" will be paid for at the unit bid price for this item. The

price shall include full compensation for the work, materials, tools and other accessories needed to complete the work.

Payment will be made under:

**Pay Item No. 311S:** Emulsified Asphalt Per Gallon.

**End**

<b><u>SPECIFIC</u> CROSS REFERENCE MATERIALS</b>
Specification Item 311S "Emulsified Asphalt Repaving"

City of Austin Standard Specifications

<u>Designation</u>	<u>Description</u>
Item No. 301	Asphalts, Oils and Emulsions
Item No. 350S	Heating, Scarifying and Repaving

<b><u>RELATED</u> CROSS REFERENCE MATERIALS</b>
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City of Austin Standard Specifications

<u>Designation</u>	<u>Description</u>
Item No. 206S	Asphalt Stabilized Base
Item No. 210S	Flexible Base
Item No. 306S	Prime Coat
Item No. 307S	Tack Coat
Item No. 310S	Emulsified Asphalt Treatment
Item No. 320S	Two Course Surface Treatment
Item No. 340	Hot Mix Asphaltic Concrete Pavement
Item No. 403	Concrete Structures
Item No. 864S	Abbreviated Pavement Markings

City of Austin Standard Details

<u>Designation</u>	<u>Description</u>
1000S-10	Local Street Sections
1000S-11(1)	Residential and Neighborhood collector Street Sections
1000S-11(2)	Industrial and Collector Street Sections
1000S-12(1)	Primary Collector Street Sections
1000S-12(2)	Primary Arterial Street Sections
1000S-13(1)	Minor Arterial Street Sections (4 Lanes)
1000S-13(2)	Minor Arterial Street Sections- (4 Lanes divided)
1000S-14	Major Arterial Street

Texas Department of Transportation: Standard Specifications for Construction And Maintenance of Highways, Streets, and Bridges

<u>Designation</u>	<u>Description</u>
Item 300	Asphalts, Oils and Emulsions
Item 301	Asphalt Antistripping Agents
Item 310	Prime Coat (Cutback Asphaltic Materials)
Item 314	Emulsified Asphalt Treatment
Item 345	Asphalt Stabilized Base (Plant Mixed)
Item 520	Weighing and Measuring Equipment