

Item C407 - Tack Coat

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C407.1 Description. This work shall consist of preparing and treating a paved surface with asphalt material, and cover aggregate if required, in accordance with these specifications and in reasonably close conformity with the lines shown on the plans or established by the City Engineer.

C407.2 Material. The asphalt material shall meet the applicable requirements of ODOT Item 702 and shall be one of the following: 702.04 RS-1, SS-1, SS-1h, CRS-1, CSS-1 or CSS-1h. Cover aggregate shall conform to ODOT Item 703.06.

C407.3 Equipment. Equipment shall consist of adequate cleaning equipment, spreader boxes, and asphalt distributors. Asphalt distributors shall be designed, equipped, maintained and operated so that asphalt material is applied at the specified rate per square yard with uniform pressure over the required width of application. The distributor equipment shall include a tachometer, pressure gauges, accurate volume measuring devices or a calibrated tank. An accurate thermometer with a range covering the specified application temperature for asphalt material shall be mounted at approximately center height of the tank with the stem extending into the asphalt material. The distributor shall have a full-circulating system with a spray bar which is adjustable laterally and vertically. The spray bar shall be maintained at a constant height above the pavement under variable load conditions. Each distributor shall have suitable charts showing truck and pump speeds and other pertinent application data necessary to obtain the required results.

Distributors shall meet the following requirements: The actual application in gallons per square yard shall be determined by a check on the project. The application shall be considered satisfactory when the actual rate is within 10 percent (plus or minus) of the required rate and the material is applied uniformly with no visible evidence of streaking or ridging.

C407.4 Preparation of Surface. The surface shall be thoroughly clean and dry when the asphalt material is applied. Material cleaned from the surface shall be removed and disposed of as directed by the City Engineer.

C407.5 Application of Asphalt Material. The asphalt material shall be uniformly applied with an asphalt distributor. For irregular areas such as driveways and intersections, the method of application shall be approved by the City Engineer. The rate of application shall be as stated on the unit price proposal.

Application of the tack coat shall not occur more than 30 minutes before the actual start of placing the asphalt overlay. Once the tack coat is applied, flaggers shall direct all traffic around the work area, so as to offer the least inconvenience to the motorist and limit the amount of pickup or tracking. Care shall be exercised so as to keep the traveling public off of the tack. On heavily traveled roads, work hours may be limited between the hours of 8:30 A.M and 3:30 P.M. The asphalt material shall not be applied when the surface temperature is below the minimum placement temperature for the pavement course to be placed, as specified in ODOT Item 401.06.

The quantity, rate of application, temperature and areas to be treated, shall be approved prior to application. The tack coat application shall be limited to areas that will be covered by a pavement course during the same day.

C407.6 Basis of Payment. Asphalt material will be measured by the gallon. Cover aggregate, if required, shall be included in the bid price for the tack coat.

Payment for accepted quantities complete and in place will be made at the contract price for:

Item	Unit	Description
C407	Gallon	Tack Coat