

Division 2 - Site Work

Section 02600 - Paving and Surfacing

Sub-Section 02612 - Asphaltic Concrete Paving

Scope: This section of the technical provisions, together with the applicable detail sheets and general conditions, shall include everything necessary for and incidental to any and all asphaltic concrete paving including street cleaning, utility adjustments, tack coat, patching, surface course, testing and any temporary wedging at driveway approaches.

Material: The material used for the surface course shall be a Type "BP-1" plant mix bituminous pavement mix as described in Section 401 of the 2004 Missouri Standard Specifications for Highway Construction and related sections. The material, when delivered to the job site, shall have a temperature between 275 degrees F. to 300 degrees F., ± 25 degrees F. The Director, or his representative, reserves the right to reject any material that does not conform to these specifications and/or applicable sections of Missouri Standard Specifications.

An asphalt tack coat for the surface course shall be emulsified asphalt Type SS-1 or approved alternate as described in Section 407 of the 2004 Missouri Standard Specifications for Highway Construction and related sections.

Execution: The execution of this section, other than as specified herein, shall follow the 2004 Missouri Standard Specifications for Highway Construction, or the specific instruction of the Director, as may be required.

Prior to applying the tack coat, the pavement surface must be cleaned by sweeping of all dust, loose material, and other foreign material. Mud shall be removed by water blasting as required by the City.

The asphalt tack coats shall be uniformly applied at the rate of 0.10 gallons per square yard or as instructed by the Director or his representative. The Contractor shall keep and verify records of gallons used, ± 5 gallons, for the complete project. The Director or his representative will inspect the asphalt tack coat before any overlay is placed and any areas requiring blotting or extra asphalt will be corrected before any paving work proceeds.

The asphaltic mix shall be delivered at a temperature that will permit proper placement and compaction. It shall be spread with an approved paving/finishing machine in the quantity required to obtain the "compacted" thickness and proper cross section required.

The asphaltic mix shall be spread without tearing the surface and struck off so that the surface is smooth and true to cross section desired; free from all irregularities and of uniform density throughout.

The asphaltic mix shall be thoroughly compacted by at least three complete passes over the entire area, the Breakdown/Intermediate/Finish Rolling procedures. Use of a tandem-type steel wheel roller (10 Tons minimum) and pneumatic tire roller (10-Ton minimum) are recommended.

Testing will be conducted as outlined in Section 01400 of these specifications with costs to be included in the unit price for asphaltic concrete paving. Re-testing of work rejected by the City as not meeting these specifications shall be at the Contractor's expense.

All materials shall be weighed by a bonded weigher who shall furnish to the Contractor certificates of weight for each load. Destination, class tare, and new weight of the material shall also be certified. The Contractor shall furnish the Director, or his representative, with one copy of each certificate for each load, as it is delivered to the site, and the City reserves the right to reject any certificates that are not initialed by the Director's representative.

All existing utilities (including sewer manholes) shall be adjusted as required to the new street surface elevation, by the Contractor.

The Contractor shall also take special care in laying asphaltic concrete pavement work up against new ADA accessible curb cuts so as not to create a water ponding problem nor to create any lip/ridge where the ramp meets the street pavement.

The Contractor shall sand seal all transition areas, as directed by the City.

Payment: For all "Asphaltic Concrete Overlay" work specified under this section, including all labor, equipment, tools, materials and testing, the Contractor shall receive the unit price per ton (T) as stated in his proposal.