

SECTION 8 ASPHALT CONCRETE

8.01 DESCRIPTION

Shall conform to Section 39 of the State Standard Specifications and shall be Type B Asphalt Concrete using AR4000 paving asphalt unless otherwise required by the City Engineer.

8.02 PENETRATION TREATMENT, SEAL, AND TACK COATS

Tack coat shall be required at all locations where concrete meets asphalt concrete and between asphalt concrete lifts when time between placement of lifts exceeds 12 hours in accordance with Section 94 of State Standard Specifications.

Exact rates of application and asphalt grade will be determined by the City Engineer.

8.03 ADJUSTMENT OF IRON

Adjustment of iron shall conform to Section 10 of these Standard Construction Specifications. All castings for city-owned facilities shall be brought to finish grade after the final pavement lift has been installed. All iron shall be lowered prior to any pavement planing, or grinding.

8.04 MIX DESIGN

Construction shall not begin until the Contractor has received written approval of mix design by the City Engineer. The mix design should include the following: source of plant, grade of asphalt (AR-4000), lab unit weight, percent of asphalt, aggregate gradation, stability and percent of air voids (4% preferred.) The mix design shall be certified by the supplier.

8.05 SPREADING AND COMPACTING

Spreading and compacting equipment shall be as specified in Section 39-5 of the State Standard Specifications. The State Standard Specifications are amended to allow use of a spreader box for projects involving less than 50 tons of asphalt concrete, as approved by the City Engineer. In addition, pneumatic-tired rollers shall be required to be used on all types of asphalt concrete paving unless otherwise approved by the City Engineer.

Spreading and compacting shall be as specified in Section 39-6 of the State Standard Specifications and these Specifications. After compaction, the asphalt concrete shall have a density of not less than 95 percent of the maximum theoretical unit weight, as determined in the field by Test Method No. Calif. 375 or in a method as approved by the City Engineer.

In addition to the standard straight edge test as specified in the State Standard Specifications, the Contractor shall be required to perform a water flow test on all new pavement placed. The water flow test is to identify any standing water not in conformance with the requirements of this Section. All corrections required shall be done at the Contractor's expense and to the satisfaction of the City Engineer.

8.06 MEASUREMENT AND PAYMENT

Asphaltic concrete shall be measured by the ton as placed on the street, driveways, and other areas designated by the City Engineer.

Payment shall be made at the contract price per ton and shall include full compensation for furnishing all labor, materials, tools, equipment, traffic control, incidentals and for doing all the work in placing asphalt concrete, prime coat, tack coat and fog seal, complete in place as shown on the plans, as specified in these specifications and as directed by the City Engineer.