

400 FLEXIBLE PAVEMENT

ITEM 404 - ASPHALT CONCRETE

- 404.01 Description**
- 404.02 Composition**
- 404.03 Conditioning Existing Surface**
- 404.04 Spreading and Finishing**
- 404.05 Joints**
- 404.06 Surface Tolerances**
- 404.07 Basis of Payment**

404.01 Description. This work shall consist of constructing a surface course of aggregate and asphalt cement mixed in a central plant and spread and compacted on a prepared surface in accordance with these specifications and in reasonably close conformity with the lines, grades and typical sections shown on the plans or established by the Engineer.

The General Plant Mix Pavement Specifications 401, shall apply; deviations from these are as follows.

404.02 Composition. Coarse aggregate and fine aggregate shall be combined in such proportions that the resulting blend shall be as directed by the Engineer but within the following limits:

Sieve	Total Passing, % by Wt
1/2 inch (19 mm)	100
3/8, inch (9.5 mm)	90 - 100
No. 4 (4.75 mm)	45 - 75
No. 16 (1.18 mm)	15 - 45
No. 50 (300 μ m)	3 - 22
No. 200 (75 μ m)	0 - 8

Bitumen content shall be a minimum of 6 percent with 3 to 5 percent voids:

Bitumen (Percent of total mix) 6.0 - 9.5

404.03 Conditioning Existing Surface. In areas where the surface is required to be feathered to meet an adjoining surface, the existing surface shall be coated uniformly with a thin coat of asphalt cement approximately 2 feet (0.6 m) in width.

404.04 Spreading and Finishing. The surface course shall be placed within 10 days after completion of the preceding course unless otherwise authorized by the Engineer. After 10 days, or at any time due to contamination of the surface, the Engineer has the right to order the surface cleaned and tacked at no additional cost to the City.

Where the mixture is placed for correcting irregularities in the existing pavement, the maximum compacted depth of any 1 layer shall be 3 inches (76 mm).

Traffic shall not be permitted on the compacted mixture until it has cooled sufficiently to prevent glazing as determined by the Engineer.

404.05 Joints. Transverse construction joints shall be made against a full depth face which has been formed or cut in the previously placed mixture and coated with asphalt cement.

Longitudinal joints that are not made hot shall be made against a vertical face which has been coated uniformly with asphalt cement.

After 12 hours have elapsed the joint shall be considered cold.

404.06 Surface Tolerances. The completed surface course will be checked with straightedges and/or rolling straightedges by the Engineer. The variation of the surface course from the testing edge of the 10 foot (3.0 m) straightedge shall not exceed 1/4 inch (6 mm). Variations in excess of slope or surface tolerances shall be corrected by removal of mixture to neat lines and replacement or by surface grinding in a manner satisfactory to the Engineer.

404.07 Basis of Payment. Payment for accepted quantities, complete in place, will be made at the contract price for:

Item	Unit	Description
404	Ton (Metric Ton)	Asphalt Concrete

