

SECTION 321300
ASPHALTIC CONCRETE PAVING (RIGID)

PART 1 GENERAL

- 1.1 SECTION INCLUDES
 - A. Asphaltic concrete paving
 - B. Aggregate base course
- 1.2 MEASUREMENT
 - A. Asphalt Concrete Paving: Paid by the Ton. Includes saw cutting of existing pavement, removal of existing pavement, asphalt concrete pavement, tack coating surfaces, placing, compacting, and rolling, furnishing the mix design, and testing.
 - B. Aggregate Base: Paid by the Ton. Includes subgrade preparation, supply of aggregate base, preparation and compaction of aggregate base, and testing.
- 1.3 REFERENCES
 - A. State of California, Department of Transportation, Standard Specifications, latest edition.
 - B. Division 31: Earthwork
- 1.4 QUALITY ASSURANCE
 - A. Perform Work in accordance with State of California, Department of Transportation, Standard Specifications, current addition.
 - B. Obtain materials from same source throughout the life of the project.
- 1.5 ENVIRONMENTAL REQUIREMENTS
 - A. Do not place asphalt when ambient air or base surface temperature is less than 40 degrees Fahrenheit, or when the receiving surface is wet or frozen.
- 1.6 SUBMITTALS
 - A. Contractor shall submit mix design to the Engineer for approval prior to placement of material in the field.

PART 2 PRODUCTS

- 2.1 MATERIALS
 - A. Asphalt Concrete Pavement: Type A, ½ inch Maximum Medium, In accordance with State of California, Department of Transportation, Standard Specifications July 2006, Section 39.
 - B. Aggregate for Base Course: ¾- Class 2, In accordance with State of California, Department of Transportation, Standard Specifications July 2022, Section 26.
 - C. Primer: In accordance with State of California, Department of Transportation, Standard Specifications July 2022.
 - D. Tack Coat: In accordance with State of California, Department of Transportation, Standard Specifications July 2022.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify base conditions under provisions of Section 00500.
- B. Verify the compacted subgrade is ready to support paving and imposed loads.

3.2 PLACING AGGREGATE BASE

- A. Install Work in accordance with State of California, Department of Transportation, Standard Specifications current edition.

3.3 PREPARATION - PRIMER

- A. Apply primer in accordance with State of California, Department of Transportation, Standard Specifications current edition.

3.4 PREPARATION - TACK COAT

- A. Apply tack coat in accordance with State of California, Department of Transportation, Standard Specifications current edition.

3.5 PLACING ASPHALT PAVEMENT

- A. Install Work in accordance with State of California, Department of Transportation, Standard Specifications current edition. Section 39.
- B. Compact pavement by rolling to a minimum of ninety-five percent of the maximum density as determined by nuclear investigation per ASTM D2922. Compaction tests shall be taken at a minimum frequency of one test for every five hundred tons, or one test per shift. Do not displace or extrude pavement from position. Hand compact in areas inaccessible to rolling equipment. Compaction testing will be performed by the Owner, and a log will be kept of tests taken and results obtained.
- C. Perform rolling with consecutive passes to achieve even and smooth finish free of roller marks.

3.6 TOLERANCES

- A. Flatness: Maximum variation of ¼ inch measured with a 10-foot straight edge.

3.7 PROTECTION

- A. Immediately after placement, protect pavement from mechanical injury until surface temperature is less than 140 degrees Fahrenheit.

END OF SECTION 321300