

NORTH MARIN WATER DISTRICT

STANDARD SPECIFICATIONS

SECTION 02700 ASPHALT CONCRETE PAVING

PART 1 GENERAL

1.01 DESCRIPTION

Scope Covered By This Specification

The work to be performed consists of furnishing all necessary labor, equipment and material for the installation of asphalt concrete pavement on new and existing roads, parking lots and other paved areas as shown on the District design drawings or as indicated by the District, including but not limited to:

- A. Furnishing and applying prime and tack coats
- B. Furnishing and placing asphalt concrete over prepared bases and existing pavement
- C. Furnishing and placing pavement reinforcing fabric
- D. Furnishing and applying seal coat

1.02 REFERENCE STANDARDS

The abbreviations listed below, when used in this specification shall have the following meanings:

AASHTO - American Association of State Highway and Transportation Officials

AR - Asphalt, Rapid Setting

ASTM - American Society for Testing and Materials

NMWD - North Marin Water District

SS - Standard Specifications, State of California Department of Transportation

SSM - Standard Specifications, Cities and County of Marin, Department of Public Works

1.03 RELATED WORK SPECIFIED ELSEWHERE

Unless otherwise specified herein or shown on the drawings, work under this Specification shall be performed in accordance with the following codes and standards in force on the date of award of the contract to which this specification is a part thereof:

NMWD Section 02223	Trenching, Excavation, Backfilling, and Compacting
SS 26	Aggregate Bases
SS 39	Asphalt Concrete
SS 92	Asphalts
SS 93	Liquid Asphalts
SSM 27	General Requirements for Subbases and Bases
SSM 28	Aggregate Subbases
SSM 29	Aggregate Base
SSM 36	Asphalt concrete construction
SSM 37	Asphalt concrete overlay

1.04 SUBMITTALS

Contractor shall supply a certificate of compliance that all materials and procedures conform to the standards referenced herein.

Comply with general requirements and procedures specified in NMWD Specification Section 01000 General Requirements.

PART 2 MATERIALS

- A. Backfill material for subgrade shall be any suitable native or imported granular material in accordance with NMWD Specification Section 02223.
- B. Class 2 aggregate base shall be in accordance with NMWD Specification Section 02200.
- C. The prime coat shall conform to SSM 36.03.
- D. The asphalt concrete mix shall conform to the provisions of SS 39 and SS 92 in accordance with SSM 36.06, using ½-inch maximum (medium) graded aggregate.
- E. The tack coat shall conform to SSM 36.04.
- F. Seal coat shall conform to the requirements in SSM 36.10 and SSM 36.11.
- G. Asphalt binder shall be viscosity grade AR 4000.
- H. Pavement reinforcing fabric shall conform to SSM 37.16.

PART 3 EXECUTION

3.01 GENERAL

Prior to start of asphalt placement, the Contractor shall submit to the District a description of the work schedule indicating starting date, location of work and completion date.

3.02 TRENCH RESTORATION

- A. Saw cutting, asphalt removal and replacement shall occur where located on the plans or as designated. The Contractor shall be responsible for removing temporary pavement that may have been placed by the District, and saw cutting the trench. The application of prime coat, tack coat, placing and compacting of permanent asphalt material and applying seal coat shall be the Contractor's responsibility and be performed in accordance with SSM 36.03, SSM 36.04, SSM 36.07, SSM 36.08 and SSM 36.11.
- B. Prior to installing permanent pavement, temporary pavement shall be removed. Edges of existing pavement shall be saw cut to a vertical plane and in a straight line parallel to the centerline of the trench. Pavement sections to be replaced shall be trimmed a minimum of six (6) inches beyond the limits of the trench, but not less than required by the governing agency. Edges must be cleaned of all mud, dust, and dirt. The patch shall be made so that the new asphalt concrete forms a butt joint with the old. The thickness of permanent pavement shall be equal to the adjacent permanent pavement thickness, or as required by the District.
- C. Pavement damaged by the contractor shall be restored to as found or better condition.

3.03 NEW PAVEMENT

- A. Prior to placement of asphalt concrete, subbase materials and aggregate base shall be placed and compacted in accordance with NMWD Specification 02200.
- B. Asphalt concrete shall be placed and compacted in accordance with SSM 36.07 and 36.08.
- C. Prime coat, tack coat and seal coat shall be applied in accordance with SSM 36.03, 36.04 and 36.10.

3.04 PAVEMENT OVERLAY

- A. Prior to application of tack coat, the surface to be paved shall be prepared in accordance with SSM 37.03.
- B. Tack coat shall be applied in accordance with SSM 37.04.
- C. Spreading and compacting of asphalt concrete shall be in accordance with SSM 37.09 and SSM 37.10.

- D. Seal coat shall be applied in accordance with SSM 37.11.
- E. Where shown on plans, pavement reinforcing fabric shall be placed in accordance with SSM 37.16.

END OF SECTION