

SECTION 32 12 16
ASPHALT PAVING

PART 1 - GENERAL

1.1 DESCRIPTION

- A This section specifies paving consisting of aggregate base, asphaltic concrete, and associated materials.

1.2 QUALITY ASSURANCE

A References:

1. This section contains references to the following documents. They are a part of this section as specified and modified. Where a referenced document contains references to other standards, those documents are included as references under this section as if referenced directly. In the event of conflict between the requirements of this section and those of the listed documents, the requirements of this section shall prevail.
2. Unless otherwise specified, references to documents shall mean the documents in effect at the time of Advertisement for Bids or Invitation to Bid (or on the effective date of the Agreement if there were no Bids). If referenced documents have been discontinued by the issuing organization, references to those documents shall mean the replacement documents issued or otherwise identified by that organization or, if there are no replacement documents, the last version of the document before it was discontinued. Where document dates are given in the following listing, references to those documents shall mean the specific document version associated with that date, regardless of whether the document has been superseded by a version with a later date, discontinued or replaced.

Reference	Title
ASTM D1557	Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10-lb (4.5-kg) Rammer and 18-in (457-mm) Drop

B Testing:

1. Testing will be conducted by the Contractor-DO NOT USE!!! Use "Contractor's Spec Term" GT to determine compliance with the specified degree of compaction and moisture content.

PART 2 - PRODUCTS

2.1 MATERIALS

A Aggregate Base:

1. Aggregate base shall be 8", 3/4-inch maximum grading conforming to GDOT Standard Specifications Construction of Transportation Systems - Section 300 — General Specifications for Base and Subbase Courses.

B Liquid Asphalt:

1. Liquid asphalt for tack coats and treatment of aggregate base shall be Grade MC 250 and shall comply with GDOT Standard Specifications Construction of Transportation Systems - Section 413 - Bituminous Tack Coat. A prime coat shall be applied and shall comply with _____. GDOT Standard Specifications Construction of Transportation Systems - Section 312 - Bituminous prime

C Asphalt Concrete:

1. Aggregate shall conform to GDOT Standard Specifications Construction of Transportation Systems - Section 802 - Aggregates for Asphaltic Concrete. Asphalt binder shall be paving asphalt, Grade AR-4000, and shall comply with GDOT Standard Specifications Construction of Transportation Systems - Section 820 -Asphalt Cement. Asphalt concrete mixing and proportioning shall comply with GDOT Standard Specifications Construction of Transportation Systems - Section 820 -Asphalt Cement.
- D Traffic Line Paint:
 1. Traffic line paint shall be a white latex traffic paint 21209 by Glidden, Vin-L-Stripe acrylic epoxy traffic paint W-801 by Dunn-Edwards, or equal.
- E Seal Coat:
 1. The seal coat shall be slurry type with Grade SS1 asphaltic emulsion conforming to GDOT Standard Specifications Construction of Transportation Systems - Section 820 - Asphalt Cement .

PART 3 - EXECUTION

3.1 GENERAL

- A Construction shall conform to the details, dimensions and grades specified. Maximum variations in finished grade of paving shall be plus or minus 0.05 feet.

3.2 AGGREGATE BASE PLACEMENT

- A Subgrade:
 1. Areas to be paved shall be graded and compacted in accordance with Section 31 23 00 Excavation and Fill .
 2. Where specified, the subgrade shall be treated with lime in accordance with GDOT Standard Specifications Construction of Transportation Systems - Section 225 - Soil-Lime Construction utilizing 5 percent (dry weight) hydrated lime.
- B Aggregate Base:
 1. Placing of aggregate base shall comply with GDOT Standard Specifications Construction of Transportation Systems - Section 815 - Graded Aggregate. Relative compaction shall be a minimum of 95 percent as determined using methods set forth in ASTM D1557.

3.3 ASPHALT CONCRETE PAVEMENT

- A Asphalt Concrete:
 1. Placement of asphalt concrete pavement shall comply with GDOT Standard Specifications Construction of Transportation Systems - Section 400 - Hot Mix Asphaltic Concrete Construction. Berms shall be shaped and compacted with an extrusion machine.
- B Tack Coat:
 1. Tack coat shall be applied to all vertical surfaces of existing pavement; to curbs, gutters, and construction joints against which asphalt concrete will be placed; to pavements to be surfaced; and where specified at the approximate rate of 0.05 gallons per square yard. Application shall comply with GDOT Standard Specifications Construction of Transportation Systems - Section 413 - Bituminous Tack Coat. Immediately prior to placing asphalt concrete, additional tack coat shall be applied to areas where the tack coat has been damaged.
 2. Immediately prior to construction of asphalt concrete berms, a continuous tack coat shall be applied to the pavement surface. Application of the tack coat shall not cause a slip or weakened plane between the two joined surfaces.

C Traffic Line Painting:

1. Traffic lines shall be painted on pavement surfaces where specified. Surfaces are to be free of contaminants that may interfere with adhesion. Thinning and coverage shall be as recommended by the manufacturer, but coverage shall not exceed 400 square feet per gallon. Traffic lines shall be of uniform width with the edges straight and even. Traffic shall be restricted from the area until the paint has dried.

D Prime Coat:

1. Prime coat shall be applied to the aggregate base prior to placement of asphalt concrete pavement at the approximate rate of 0.25 gallons per square yard. Application shall comply with GDOT Standard Specifications Construction of Transportation Systems - Section 312 -Bituminous prime . Prior to placement of subsequent material, any excess primer which has failed to penetrate the surface shall be blotted with clean sand.

E Seal Coat:

1. Immediately prior to applying the seal coat, surfaces shall be cleaned of all dirt and loose materials. Following cleaning, surfaces shall be uniformly dampened with water at the approximate rate of 0.15 gallons per square yard. The seal coat shall be applied at the approximate rate of 0.12 gallons per square yard. Application shall comply with GDOT Standard Specifications Construction of Transportation Systems - Section 820 -Asphalt Cement.

END OF SECTION