

# HARRISVILLE S.P. TRAIL- BITUMINOUS PAVING

## **SECTION 02332**

## **AGGREGATE BASE COURSE**

### **PART ONE - GENERAL**

#### 1.01 DESCRIPTION

- A. Work included: The work under this Section includes, but is not necessarily limited to, all labor, materials, and equipment necessary to construct an aggregate base coarse of the required depth as indicated on the drawings and specified herein.

#### 1.02 QUALITY ASSURANCE

##### A. Subgrade:

- 1. The subgrade shall be inspected and approved by the OWNER prior to placing conditioning aggregate.

##### B. Materials:

- 1. All materials used for aggregate base shall be approved by the OWNER, prior to placement.

##### C. Compaction:

- 1. Field determination of in place density shall be by the Nuclear Density Method, ASTM D-2922, or other approved method.

#### 1.03 METHOD OF PAYMENT

- 1. All work under this section is included in the contract lump sum price. No separate payments will be made for this work.

### **PART TWO - PRODUCTS**

#### 2.01 MATERIALS

##### A. Aggregate Base Material:

- 1. Shall be 22A aggregate as specified in MDOT (2003 Ed.) Standard Specifications, Section 902.

### **PART THREE - EXECUTION**

#### 3.01 CONSTRUCTION METHODS

##### A. Aggregate Base Coarse

- 1. Aggregate base course shall be constructed as specified in MDOT (2003 Ed.) Standard Specifications, Section 302.

**END OF SECTION**

**HARRISVILLE S.P. TRAIL- BITUMINOUS PAVING**

**SECTION 02335**

**AGGREGATE SHOULDERS**

**PART ONE - GENERAL**

1.01 DESCRIPTION

- A. Work included: The work under this Section includes, but is not necessarily limited to, all labor, materials, and equipment necessary to construct two foot wide aggregate shoulders of the required depth as indicated on the drawings and specified herein.

1.02 METHOD OF PAYMENT

- A. All work under this section is included in the contract lump sum price. No separate payments will be made for this work.

**PART TWO - PRODUCTS**

2.01 MATERIALS

- A. Shoulder Material:

- 1. Shall be 22A aggregate as specified in MDOT (2003 Ed.) Standard Specifications, Section 902.

**PART THREE - EXECUTION**

3.01 CONSTRUCTION METHODS

- A. Aggregate shoulders shall be constructed as specified in MDOT (2003 Ed.) Standard Specifications, Section 307.

**END OF SECTION**

# HARRISVILLE S.P. TRAIL- BITUMINOUS PAVING

## **SECTION 02741**

## **HMA SURFACE**

### **PART ONE - GENERAL**

#### 1.01 DESCRIPTION

- A. This work shall include all labor materials and equipment necessary to construct a surface of hot plant-mixed bituminous material upon an aggregate base to the lines and grades shown on the drawings and specified herein.

#### 1.02 SUBMITTALS

- A. Comply with pertinent provisions of Division One.
- B. Contractor shall submit to the Architect/Engineer a mix design for the specified bituminous mixture for approval.

#### 1.03 QUALITY ASSURANCE

##### A. General

- 1. The contractor shall provide suitable equipment for the paving work. Equipment shall be in good working condition and shall be operated by individuals who are properly trained and skilled for such equipment.

#### 1.04 METHOD OF PAYMENT

- A. All work under this section shall be included in the contract lump sum price. No separate payments will be made for this work.

### **PART TWO - PRODUCTS**

#### 2.01 HMA MIXTURE

- A. HMA Mixture No. 13A shall meet the requirements of the MDOT Standard Specification 501 (2003 edition).
- B. Bituminous Mixture shall have a penetration grade of 120-150 unless otherwise shown on the plans.

### **PART THREE - EXECUTION**

#### 3.01 CONSTRUCTION METHODS

- A. Construction methods and equipment requirements shall be in accordance with MDOT Standard Specification 502(2003 edition).
- B. Application rates shall be as follows:
  - 1. 2" HMA

## HARRISVILLE S.P. TRAIL- BITUMINOUS PAVING

- a. 110#/S.Y. on leveling coarse on aggregate base
  - b. 110#/S.Y. on surface coarse on HMA leveling coarse.
- C. Rolling Procedures...No more than 25% of roller drum shall be allowed to extend beyond the edge of bituminous surface in order to prevent feathering and cracking of bituminous edges.
- D. Paving shall be done to a string line, if requested by the Engineer, with the Contractor required to provide the necessary string grade.

**END OF SECTION**