

## **SECTION 321200**

### **FLEXIBLE PAVING**

#### **PART 1 GENERAL**

##### **1.01 SECTION INCLUDES**

- A. Work includes but is not limited to the following:
  - 1. Crushed surfacing for asphalt concrete paving.
  - 2. Crushed surfacing for gravel roadway
  - 3. Asphalt concrete paving.
  - 4. Asphalt patching for Utilities.
  - 5. Products furnished but not installed.

##### **1.02 RELATED SECTIONS**

- A. Drawings and general provisions of Contract, including and Supplementary Conditions and Division 01 Specification Sections, apply to this section. Coordinate related work specified in other parts of the Project Manual, including but not limited to following:
  - 1. Section 310000 "Earthwork".
  - 2. Section 321600 "Rigid Paving".

##### **1.03 REFERENCES**

- A. Ecology 2019 Stormwater Management Manual for Western Washington
- B. Clallam County Engineering Design Standards
- C. WSDOT-APWA Standard Specifications for Road, Bridge, and Municipal Construction, Current Edition
- D. Standard Details WSDOT/APWA Standard Plans for Road, Bridge and Municipal Construction, Current Edition
- E. ASTM D1557 Methods of Test for Moisture-Density Relations of Soils, Using 10 lb. (4.5 kg) Rammer and 18 In. (457 mm) Drop.

- F. APWA Designs and Specifications for Asphalt Concrete Pavements and Bases, 1990 Edition
- G. Geotechnical Report Lot 24 Eklund Heights – Soils Investigation, Zenovic & Associates Inc. June 9, 2026
- H. This work shall consist of one or more courses of plant mixed asphalt concrete placed on a prepared foundation or base in accordance with these specifications and in reasonably close conformity with the lines, grades, thicknesses, and typical cross-sections shown in the plans or established by the Owner's Representative.
- I. Asphalt concrete shall be composed of asphalt and aggregate which, with or without the addition of mineral filler and blending sand as may be required, shall be mixed in the proportions specified to provide a homogenous, stable and workable mixture.

#### **1.04 PROJECT SITE CONDITIONS**

- A. Environmental Requirements:
  - 1. In accordance with referenced standard specifications and the following:
    - a. Do not pave in rain or when subgrade or base is wet or frozen.
    - b. Do not apply tack coats when the temperature is below 50 degrees F. or when base is wet.
    - c. Apply asphalt concrete paving only when the temperature is above 40 degrees and when base is dry.

#### **1.05 DIMENSIONS AND LAYOUTS**

- A. See Section 311000.
- B. The Contractor is to notify the Owner's Representative immediately if underground utilities not shown on the Agency's record are encountered.

#### **1.06 QUALITY ASSURANCE**

- A. Contractor shall correct any work that exhibits aggregate separation, soft spots, and excess porosity at no additional cost to the Owner.
- B. Repair cracks and unsatisfactory elevation irregularities immediately upon notification.
- C. Replace any paving not draining properly.

### **1.07 WORK WITHIN THE RIGHT-OF-WAY**

- A. All work within the public Right-of-Way shall meet Clallam County Road Standards.
- B. Contractor is responsible for obtaining all permits for work within the Right of Way and coordinating with the Clallam County inspectors.

### **1.08 SUBMITTALS**

- A. Submit under provisions of Division 013300.
- B. Submit product data for all materials specified.

## **PART 2 PRODUCTS**

### **2.01 GENERAL**

- A. Comply with "Quality Control" provisions, "References," Specifications, and Manufacturer's data. Where these may be in conflict, the more stringent requirements govern.
  - 1. Conform to APWA - Section II, "Specifications for Asphalt Paving" of above referenced manual. Provide bases, type and thickness of asphalt concrete as required by type of soils for indicated use.

### **2.02 HEADERS, BENDERS & STAKES**

- A. Construction Grade Douglas fir; preservative treated.

### **2.03 CRUSHED ROCK BASE COURSE**

- A. Shall be per 31 20 00 – Earth Moving.

### **2.04 TACK COAT**

- A. Cationic Emulsified Asphalt CSS-1 in accordance with Section 9-02.1(6) of the Standard Specifications. Apply to all vertical surfaces to which "HMA" abuts.

### **2.05 ASPHALT BINDER**

- A. Asphalt binder shall be viscosity grade PG 58-22.

### **2.06 ASPHALT CONCRETE**

- A. All onsite asphalt paving shall be Class ½" Hot Mix Asphalt in accordance with Section 9-03.8 of the Standard Specifications.

- B. Asphalt concrete mixing and proportioning shall comply with Section 9-03.8 of the WSDOT-APWA.

## **2.07 CRACK FILLER**

- A. Flex-a-fill rubberized asphalt, or equal

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify installation conditions as satisfactory to receive work of this Section. Do not install until unsatisfactory conditions are corrected. Beginning work constitutes your acceptance of conditions as satisfactory.
  - 1. Construction shall conform to the details, dimensions and grades specified. Maximum variations in finished grade of paving shall be +/- 0.05 feet.
  - 2. Grade and compact all areas to be paved in accordance with Section 31 10 00.

### **3.02 PREPARATION**

- A. Protect surrounding areas and surfaces to preclude damage from work of this Section.
  - 1. Protect work of other trades. Take exceptional care in work adjacent to buildings.
  - 2. Should any defacement or damage occur, repair or replace as directed
- B. Preparation of Asphalt Patches
  - 1. Where existing asphalt concrete pavement upon a granular base is required to be removed due to deterioration, settlement, concrete curb construction or trenching, uniformly define the area in size and shape. Remove the existing asphalt by cutting pavement vertically at a sufficient distance of at least ~~6~~12" over the undisturbed base surface and then break up and remove the affected pavement.
  - 2. Replace the granular base under the removed pavement as shown on the plans.
- C. Preparation of Parking Lot for Paving: Prepare parking lot subgrade in accordance with Section 31 10 00. Place crushed surfacing in accordance with WSDOT-APWA Section 4-04, to the thicknesses shown on the drawings.
- D. Traffic Control: Traffic Control shall be provided as required in accordance with the Clallam County requirements, the Manual on Uniform Traffic Control Devices, and WSDOT requirements

### **3.03 SOIL STERILANT**

- A. Sterilize all areas to be paved with a relative application of material at a minimum of twenty (20) pounds of polyborchlorate per 1,000 sq. ft. of surface, mixed with water and applied with power spraying after grading is completed, or as recommended by the manufacturer. Apply soil sterilant in accordance with Section 8-02.3(2) of WSDOT-APWA

### **3.04 CRUSHED SURFACING BASE AND TOP COURSE**

- A. Place aggregate base and top course in accordance with Section 4-04 of the WSDOT-APWA. Relative dry compaction shall be a minimum of 95 percent of modified proctor maximum dry density as determined in accordance with ASTM D1557
- B. Prior to asphalt concrete placement, treat the prepared surface in accordance with Section 5-04.3 of WSDOT-APWA

### **3.05 TACK COAT**

- A. Apply a tack coat to all existing pavement surfaces to be overlaid or abutted with new asphaltic pavement. Apply tack coat at a rate of 0.05 to 0.15 gal/sy. Allow enough time for complete breaking to occur before the overlay is placed. Place no more tack coat than can be covered the same day. Place no tack coat when the surface temperature of the pavement is below 50 degrees F or when rain is imminent.

### **3.06 ASPHALT CONCRETE**

- A. Place asphalt in accordance with Section 5-04 of WSDOT-APWA. Spread, finish and compact in accordance with Sections 5-04.3(9) and 5-04.3(10).
- B. Construct joints in accordance with Section 5-04.3(11).
- C. Provide surface smoothness and grading in accordance with Section 5-04.3(13). Accomplish paving in accordance with the weather limitations outlined in Section 5-04.3(16).
- D. Sample and test asphalt concrete in accordance with Sections 5-04.3(10)B and 5-04.3(12).
- E. Contractor shall completely flood by fire line or tank truck paved area in the presence of the owner's representative to verify that no ponding is occurring. Any areas of bird baths or ponding must be re-paired or replaced in accordance with the Asphalt Institute's "Asphalt in paving Maintenance" Manual Series No. 16.

### **3.07 CLEANING**

- A. After completion of paving operations, clean surfaces of excess or spilled asphaltic materials.
- B. Contractor shall phase the final lift of pavement in a manner to limit Construction traffic within this area after completion.
- C. Do not permit vehicular traffic on asphaltic paving until it has cooled and hardened, and in no case sooner than twelve (12) hours after placing.

### **3.08 RECYCLING OF ASPHALT MATERIALS**

- A. Recycling some waste asphalt paving materials may be possible at some off-site locations.
- B. No waste materials can be recycled on-site. All waste paving materials must be disposed of off-site.

### **END OF SECTION**