

**SECTION 32 01 00****PAVEMENT REPAIR AND RESTORATION****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Repairing and resurfacing streets, highways, driveways, and other pavements that have been removed, cut, broken, or otherwise damaged during construction.

**1.02 SUBMITTALS**

- A. Contractor shall submit material certifications, along with supporting data, from the paving materials suppliers stating that the materials conform to State and/or local DPW paving specifications.

**1.03 DESCRIPTION**

- A. Provide all labor, tools, material and equipment to replace pavement, traffic control loops, pavement stripping, curbs, drives and walks that have been damaged or disturbed during the course of the work, all as specified in contract documents, as directed by the Engineer, or as required by local, state, or federal regulations. Placement will be at least equal to the type of pavement, curb, drive, or walk which existed before the work began and to the satisfaction of the Engineer.
- B. Furnish all labor, tools, material, and equipment necessary to spread and roll and/or tamp temporary bituminous pavement, complete, in place, and maintain the same all as specified or as directed by the Engineer
- C. During the entire period of construction of the project, keep all streets, curbs, drives and walks in clean, usable, and safe conditions for public use. Keep the work area free from accumulations of waste material, rubbish and other debris resulting from the Work. Clean all roadways daily. Sweep, scrape, shovel or use whatever other approved means, including mechanical pickup sweeper that may be necessary to clean and maintain the roadways to the satisfaction of Owner.
- D. Before final acceptance and after any trench settlement has been corrected to the satisfaction of the Engineer, replace pavement, curbs, drives and walks designated by the Engineer with the type of replacement specified.

## **PART 2 PRODUCTS**

### **2.01 MATERIALS**

- A. Subgrade:
  - 1. Provide backfill material as required by Specification Section 31 23 33 – Excavation and Backfill for Utilities.
  - 2. Provide material for stabilization as required.
- B. Base: Provide base material as required by State and/or local DPW paving specifications.
- C. Pavement: Provide paving materials as required by State and/or local DPW standards.

## **PART 3 EXECUTION**

### **3.01 PREPARATION**

- A. Notify AW prior to commencement of excavation in pavement for which a Dig Permit has been obtained. Follow directions contained in the permit.
- B. Where directed by AW, Contractor shall saw cut pavement 18-inches wider than width of trench needed to install utilities unless otherwise indicated on Drawings.
- C. Protect edges of existing pavement to remain from damage during removals, utility placement, backfill, and paving operations. For concrete pavement, protect undisturbed subgrade that is to remain to support replacement slab.
- D. Dowel in existing concrete pavement where no reinforcement is found or is broken due to construction activities. Unless otherwise directed by AW Project Manager, provide No. 6 bars 24-inches long, drilled and embedded 8-inches into center of existing slab with epoxy grout. Space dowels to match new pavement reinforcement spacing.
- E. Provide transitional paving and earthwork as required to tie proposed pavement to existing pavement when unable to dowel new pavement into existing pavement.

### **3.02 INSTALLATION**

- A. Temporary paving, or other appropriate material, must be maintained until replaced by permanent paving.
- B. All paving removed or damaged by construction operations shall be replaced in kind and/or repaired as specified herein.
- C. All pavement work shall meet the requirements of the State and/or local DPW for replacement of paving over all excavated and disturbed areas of the improved surface.
- D. Parking Areas, Service Drives, and Driveways: Replace with material equal to or better than existing or as indicated on Drawings. Conform to applicable

requirements of sections referenced in Paragraph 2.01, Materials.

- E. Street Pavements and Curbs, Sidewalks, Curbs and Gutters: Replace subgrade, base, and surface course with like materials or as indicated on Drawings. Curbs and curbs and gutters shall match existing. Conform to requirements of sections referenced in Paragraph 2.01, Materials. All joints between existing curb or sidewalk and replacement work shall be saw cut at right angles and neatly trimmed. Provide ½-inch thick premolded expansion joint material between old and new joints.
- F. At joints between existing pavements and repaving work, the edges of existing pavements shall be cut back parallel with the trench at right angles, neatly trimmed, and approved by AW. An application of asphalt cement shall be provided at all locations where new pavement joins existing pavement.
- G. For concrete pavement, install size and length of reinforcing steel and pavement thickness indicated on Drawings. Place types and spacing of joints to match existing or as indicated on Drawings.
- H. Where existing pavement consists of concrete pavement with asphaltic surfacing, resurface with minimum 2-inch depth asphaltic pavement or match existing pavement up to 4-inches in thickness.
- I. Repair State highway and county crossings in accordance with applicable permit or county requirements as appropriate and within 1 week after utility work is installed.

### 3.03 WASTE MATERIAL DISPOSAL

- A. Dispose of waste materials off site, in accordance with requirements of the Contract Documents, State and local regulations.

### 3.04 PROTECTION

- A. Maintain pavement in good condition until completion of Work.
- B. Replace pavement damaged by Contractor's operations at no cost to AW.

### 3.05 TESTING

- A. Obtain a minimum of one 6" diameter core sample for each 500 linear feet of permanent paving for test of depth of bituminous material courses.
- B. Take core samples at locations as directed by AW after final compaction rolling.
- C. Paving areas shown to be deficient by more than ¼" from the specified depth in any one sample, or uniformly more than 1/8" in three or more samples, shall be removed and replaced to the correct depth at the Contractor's expense.
- D. Refill and compact test holes with material acceptable to, and under the direction of, AW.

**END OF SECTION 32 01 00**