

**SECTION 02845  
PAVEMENT REPAIR AND RESURFACING**

**PART I: GENERAL**

**1.1 GENERAL REQUIREMENTS**

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

**1.2 MEASUREMENT AND PAYMENT**

- A. Unit Prices:
  - 1. No separate payment shall be made for pavement repair and resurfacing under this Section. Payment shall be in accordance with Measurement and Payment for work as required in appropriate sections.
  - 2. Refer to Section 01270 – Measurement and Payment for other unit price procedures.
- B. Stipulated Price (Lump Sum):
  - 1. If Contract is Stipulated Price Contract, payment for work in this Section is included in Total Stipulated Price.

**1.3 REFERENCES**

- A. CFTS – City of Friendswood Technical Specifications.

**PART II: PRODUCTS**

**2.1 MATERIALS**

- A. Subgrade:
  - 1. Provide backfill material as required by Sections 02110 – Borrow, 02115 – Embankment, 02120 – Excavation and Backfill for Structures, 02125 – Excavation and Backfill for Utilities, 02130 – Extra Unit Price Work for Excavation and Backfill, and 02135 – Excavation for Roadway.
  - 2. Provide material for stabilization as required by applicable portions of Section 02720 – Lime-Stabilized Base Subgrade and Section 02725 – Portland Cement-Stabilized Base Subgrade.
- B. Base: Provide base material as required by applicable portions of Section 02700 – Cement-Stabilized Base Course Section 02705 – Crushed Concrete Base Course and Section 02715 – Hot-Mix Asphaltic Base Course.

- C. Pavement: Provide paving materials as required by applicable portions of Section 02800 – Asphaltic Concrete Pavement, Section 02805- Concrete Paving, Section 02830 – Concrete Driveways and Section 02815 – Headers, Curb, Curb and Gutter and Section 02820 – Concrete Sidewalks.

## **PART III: EXECUTION**

### **3.1 PREPARATION**

- A. Notify the Project Manager prior to commencement of excavation in pavement for which an Excavation in Public Right-of-Way permit has been obtained. Follow directions contained in the permit.
- B. Conform to requirement of Section 02105 – Removing Existing Pavements and Structures, for removals.
- C. Saw cut pavement two feet (2 Ft) wider than width of trench needed to install utilities unless otherwise indicated on the Drawings.
- D. When removing pavement to existing deformed metal strip (i.e. dummy joint), saw cut pavement a minimum of two inches (2 In) deep on opposite side of deformed metal strip. Place saw joint far enough behind deformed metal strip to obtain continuously straight joint. Remove damaged portion of deformed metal strip as required to provide proper joint. Saw cut and remove metal strip before placement of new concrete pavement.
- E. Protect edges of existing pavement to prevent damage during removals, utility placement, backfill and paving operations. For concrete pavement, protect undisturbed subgrade that is to remain to support replacement slab.
- F. Dowel-in to existing pavement where no reinforcement is found or is broken due to construction activities. Unless otherwise directed by the Project Manager, provide No. 6 (3/4 In) reinforcing bars twenty-four inches (24 In) long, drilled and embedded twelve inches (12 In) into center of existing slab with 'PO-ROC' epoxy grout or approved equal. Space dowels to match new pavement reinforcement spacing.
- G. Provide transitional paving, additional base depth and undercutting of existing pavement as required to tie proposed pavement to existing pavement when unable to dowel new pavement into existing pavement.
- H. Temporarily fill hole with base material or bridge with three-quarter inch (3/4 In) steel plates until ready to place concrete.

### **3.2 INSTALLATION**

- A. Parking Areas, Service Drives, Driveways and Sidewalks: Replace with material equal to or better than existing or as indicated on the Drawings. Conform to applicable requirements of sections referenced in Paragraph 2.1, Materials.
- B. Street Pavements and Curbs, Curbs and Gutters: Replace subgrade, base and surface course with like materials or as indicated on the

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Drawings and the City of Friendswood Standard Details and Technical Specifications. Curbs and curbs and gutters shall match existing. Conform to requirements of sections referenced in Paragraph 2.1, Materials.

- C. For concrete pavement, install size and length of reinforcing steel and pavement thickness indicated on the Drawings and the City of Friendswood Standard Details and Technical Specifications. Place types and spacing of joints to match existing joints or as indicated on the Drawings.
- D. Where existing pavement consists of concrete pavement with asphaltic surfacing, resurface with a minimum of two inch (2 In) depth asphaltic pavement.
- E. Repair TxDOT highway and county crossings in accordance with TxDOT permit or county requirements as appropriate, and within one week (1 Wk) after utility work is complete or pavement removal in cases of pavement repair only.

**3.3 WASTE MATERIAL DISPOSAL**

- A. Dispose of waste material in accordance with requirements of Section 01580 – Waste Material Disposal.

**3.4 PROTECTION**

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

**END OF SECTION**