

Section 02951

PAVEMENT REPAIR AND RESURFACING

PART 1 GENERAL

1.01 SUMMARY

This Section includes repairing and resurfacing streets, highways, driveways, sidewalks, and other pavements that have been cut, broken, or otherwise damaged during construction.

1.02 MEASUREMENT AND PAYMENT

A. Unit Prices.

1. No separate payment will be made for pavement repair and resurfacing under this Section. Payment will be in accordance with Measurement and Payment for Work as required in appropriate sections.
2. The limits of measurement are as follows:
 - a. Match actual pavement replaced, but no greater than the maximum pavement replacement limits shown on Plans.
 - b. Include installed material that extends 1 foot beyond outside edge of pavement to be replaced, except where proposed pavement section shares a common longitudinal or transverse edge with existing pavement section.
 - c. No payment will be made for material in areas beyond these limits.
3. Refer to Section 01270 – “Measurement and Payment” for other unit price procedures.

- B. Stipulated Price (Lump Sum). If the Contract is a Stipulated Price Contract, payment for Work in this section is included in the total Stipulated Price.

1.03 – 1.04 NOT USED

1.05 RELATED REQUIREMENTS

- A. Section 01270 – “Measurement and Payment”
- B. Section 01576 – “Waste Material Disposal”
- C. Section 02315 – “Roadway Excavation”

- D. Section 02316 – “Excavation and Backfill for Structures”
- E. Section 02317 – “Excavation and Backfill for Utilities”
- F. Section 02318 – “Extra Unit Price Work for Excavation and Backfill”
- G. Section 02319 – “Borrow”
- H. Section 02330 – “Embankment”
- I. Section 02336 – “Lime-Stabilized Subgrade”
- J. Section 02337 – “Lime/Fly-Ash Stabilized Subgrade”
- K. Section 02338 – “Portland Cement Stabilized Subgrade”
- L. Section 02711 – “Hot Mix Asphalt Base Course”
- M. Section 02712 – “Cement Stabilized Base Course”
- N. Section 02713 – “Recycled Crushed Concrete Base Course”
- O. Section 02741 – “Asphaltic Concrete Pavement”
- P. Section 02754 – “Concrete Driveways”
- Q. Section 02771 – “Curb, Curb and Gutter, and Headers”
- R. Section 02775 – “Concrete Sidewalks”
- S. Section 03002 – “Concrete Pavement”

1.06 – 1.13 NOT USED

PART 2 PRODUCTS

2.01 MANUFACTURER(S) (NOT USED)

2.02 MATERIALS AND/OR EQUIPMENT

- A. Subgrade:
 - 1. Provide backfill material as required by applicable excavation and fill sections (Sections 02315 through 02319) and Section 02330 – “Embankment”.
 - 2. Provide material for stabilization as required by applicable portions of Section 02336 – “Lime-Stabilized Subgrade”, Section 02337 – “Lime/Fly-Ash

Stabilized Subgrade”, and Section 02338 – “Portland Cement Stabilized Subgrade”.

- B. Base: Provide base material as required by applicable portions of Section 02711 – “Hot Mix Asphalt Base Course”, Section 02712 – “Cement Stabilized Base Course”, and Section 02713 – “Recycled Crushed Concrete Base Course”.
- C. Pavement: Provide paving materials as required by applicable portions of Section 02741 – “Asphaltic Concrete Pavement”, Section 03002- “Concrete Pavement”, Section 02754 – “Concrete Driveways”, Section 02771 – “Curb, Curb and Gutter, and Headers”, and Section 02775 – “Concrete Sidewalks”.

2.03 – 2.04 NOT USED

PART 3 EXECUTION

3.01 GENERAL / MANUFACTURER(S) (NOT USED)

3.02 PREPARATION

- A. Notify Project Manager prior to commencement of excavation in pavement for which an excavation in Public Way permits has been obtained. Follow directions contained in the permit.
- B. Conform to requirement of Section 02221 – “Removing Existing Pavements and Structures”, for removals.
- C. Saw cut pavement 18 inches wider than width of trench needed to install utilities unless otherwise indicated on Plans.
- D. When new Work is adjacent to existing concrete pavement and existing joint is a construction joint (ex., deformed metal strip joint (dummy joint), tooled joint, partially saw cut joint with sealant, etc.), saw cut pavement minimum 2 inches deep on opposite side of joint without chipping, spilling, or cracks. Place saw joint far enough behind damaged joint to obtain continuously straight saw cut joint. Remove damaged portion of existing joint as required to provide proper joint. Saw cut and remove metal strip before placement of new concrete pavement if joint is a deformed metal strip joint. If the joint is at the crown, the saw cut shall be as close to the crown as possible.
- E. 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.
- F. Dowel in existing pavement where no reinforcement is found or is broken due to construction activities. Unless otherwise directed by Project Manager, provide No. 6 bars 24 inches long, drilled and embedded 8 inches 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 and earthwork as required to tie proposed pavement to existing pavement when unable to dowel new pavement into existing pavement.

3.03 ERECTION/INSTALLATION/APPLICATION AND/OR CONSTRUCTION

- A. Parking Areas, Service Drives, Driveways, and Sidewalks: Replace with material equal to or better than existing or as indicated on Plans. Conform to applicable requirements of sections referenced in Paragraph 2.02, Materials.
- B. Street Pavements and Curbs, Curbs and Gutters: Replace subgrade, base, and surface course with like materials or as indicated on Plans. Curbs and curbs and gutters shall match existing. Conform to requirements of sections referenced in Paragraph 2.02, Materials.
- C. For concrete pavement, install size and length of reinforcing steel and pavement thickness indicated on Plans. Place types and spacing of joints to match existing or as indicated on Plans.
- D. Where existing pavement consists of concrete pavement with asphaltic surfacing, resurface with minimum 2-inch depth asphaltic pavement.
- E. Repair state highway and county crossings in accordance with TxDOT permit or county requirements as appropriate and within 1 week after utility work is installed.
- F. Waste Material Disposal

Dispose of waste material in accordance with requirements of Section 01576 – "Waste Material Disposal".

3.04 – 3.08 NOT USED

3.09 PROTECTION

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

3.10 SCHEDULES (NOT USED)

END OF SECTION