

SECTION 02800 RESTORATION

1.0 GENERAL

A. Description

Restoration shall include, but not necessarily be limited to all clean up and disposal of waste materials and the restabilization of disturbed areas including paved areas, non-paved areas, concrete improvements, street signs, mail boxes, fences, trees, shrubs and other improvements whether shown in the Contract Documents or not.

B. Related Work Included Elsewhere

1. Test Pits: Section 02012
2. Removal or Abandonment of Existing Utilities: Section 02050
3. Clearing and Grubbing: Section 02110
4. Aggregate Backfill: Section 02240
5. Trench Excavation, Backfill and Compaction: Section 02250
6. Boring and/or Jacking Pipe: Section 02300
7. Tunneling: Section 02400
8. Turf Establishment: Section 02820
9. Sodding: Section 02830
10. Soil Stabilization Matting: Section 02850
11. Cast-In-Place Concrete: Section 03300
12. For Milling Existing Pavements refer to MSHA Standard Specifications for Construction and Materials latest revision.
13. For Hot Mix Asphalt Pavements refer to MSHA Standard Specifications for Construction and Materials latest revision.
14. For Pavement Markings refer to MSHA Standard Specifications for Construction and Materials latest revision.

C. Quality Assurance

The Commission will inspect all materials before, during and after installation to ensure compliance with the Contract Documents.

2.0 MATERIALS

A. General

Materials shall be furnished in accordance with the Contract Documents.

B. Materials Furnished by the Commission

The Commission will not furnish any materials for restoration other than those acceptable materials which are available from the trench excavation limits as shown on the Contract Documents.

C. Contractor's Options

Not applicable.

D. Detailed Material Requirements

1. For Milling Existing Pavements refer to MSHA Standard Specifications for Construction and Materials latest revision.
2. For Hot Mix Asphalt Pavements refer to MSHA Standard Specifications for Construction and Materials latest revision.
3. For Pavement Markings refer to MSHA Standard Specifications for Construction and Materials latest revision.

E. Material Storage Note: Materials shall be stored in order to insure the preservation of their quantity, quality and fitness for Work. The Contractor shall place materials on wooden platforms, or other hard, clean surfaces, not on the ground, and the materials shall be placed under cover when directed by the Owner. Stored materials shall be located in order to facilitate prompt inspection by the Owner. Lawns, grass plots, or other private or public property shall not be used for storage purposes without written permission of the owner or lessee. Unless directed or noted otherwise in the Contract documents, there will be no payment for stored materials.

3.0 EXECUTION

A. General

After the completion of backfilling, all materials not used therein shall be removed and disposed of in such a manner and at such point or points as shall be approved or directed by the Commission; and all roads, sidewalks, and other places on the line of the work shall be left free of debris, clean, and in good order. Said cleaning-up shall be done by the Contractor without extra compensation; and if he shall fail to do such work within two working days after receipt of notice, the Commission may arrange to have the cleaning-up done by others; and the cost shall be retained out of the monies due or to become due to the Contractor under the Contract. In case of emergency, the Commission may restore or remove and dispose of materials wherever necessary without giving previous notice to the Contractor, and the cost of doing so shall be retained from any monies due to become due the Contractor under the contract.

B. Paved Areas

1. Immediately upon completion of the trench backfill and compaction as previously specified, the Contractor shall provide graded aggregate subbase, temporary bituminous surfacing material as per the Contract Documents and/or direction of the governing regulatory agency.

- a. For Milling Existing Pavements refer to MSHA Standard Specifications for Construction and Materials latest revision.
 - b. For Hot Mix Asphalt Pavements refer to MSHA Standard Specifications for Construction and Materials latest revision.
 - c. For Pavement Markings refer to MSHA Standard Specifications for Construction and Materials latest revision.
2. Weather permitting, the Contractor shall remove and dispose of the temporary surfacing materials, cut-back the edge of the existing pavement as per the Contract Documents, and permanently patch-pave the area as specified in the Contract Documents and/or governing agency direction. This shall be done within 30 calendar days after backfilling and compacting the trench as described in the paragraph above or within the time period specified by the governing agency.

C. Concrete Improvements

Sidewalks, curbs, combination curb and gutter, drive aprons, and other concrete improvements soiled or damaged by the Contractor's activities shall be cleaned or replaced by the Contractor in kind as directed by the Commission and/or Contract Documents without extra compensation.

Sidewalks, curbs, combination curb and gutter, drive aprons, and other concrete improvements removed by the Contractor as directed by the Commission shall be replaced by the Contractor as directed by the Commission and/or Contract Documents.

For Concrete Driveway Aprons refer to MSHA Standard Specifications for Construction and Materials latest revision.

For Concrete Combination Curb and Gutter refer to MSHA Standard Specifications for Construction and Materials latest revision.

For Concrete Sidewalk refer to MSHA Standard Specifications for Construction and Materials latest revision.

For Detectable Warning Surface Handicap Ramps refer to MSHA Standard Specifications for Construction and Materials latest revision.

D. Non-paved Areas

1. Immediately upon completion of the trench backfill and compaction as previously specified, the Contractor shall temporarily stabilize the area in accordance with the Contract Documents.
2. Weather permitting, within 14 days after the completion of trench backfill and compaction, the Contractor shall permanently stabilize the area with seeding and mulching or sodding, as noted in the Contract Documents.

E. Street Signs, Mail Boxes, Fences, Shrubs, Trees, and Other Improvements

1. Existing street signs and traffic control devices stored or relocated by the Contractor will be reset by the Contractor after construction in the area is complete and the work approved by the Commission.

2. In case of emergency, the Commission may reset street signs and traffic control devices wherever necessary without giving previous notice to the Contractor; and the cost of doing so shall be retained from any monies due to become due the Contractor under the contract.
3. Mail boxes shall be carefully removed by the Contractor to the extent required to permit construction operations and as directed by the Postal Service. It shall be the Contractor's responsibility to temporarily reset mail boxes during construction to maintain service until the boxes are permanently reset in their original locations or at locations designated by the Postal Service. The Contractor shall comply with all Postal Service regulations regarding the location and height of all mail boxes disturbed by his activities.
4. Existing fences, paper boxes, signs, property markers, and other similar items shall be carefully removed by the Contractor to the extent required to permit construction operations and as directed by the Commission. The Contractor shall safely store all items during the time that they are down and when possible, re-erect them in the original locations or at locations designated by the Commission.
5. Shrubs, hedges, and other plantings shall be transplanted with sufficient earth to ensure that no damage to their major root system occurs. After transplanting has been accomplished, it shall be the Contractor's responsibility to water all plants until their growth is established.

4.0 METHOD OF MEASUREMENT

Restoration will not be measured except as indicated in the Contract Documents

For Milling Existing Pavements refer to MSHA Standard Specifications for Construction and Materials latest revision

For Hot Mix Asphalt Pavements refer to MSHA Standard Specifications for Construction and Materials latest revision.

For Pavement Markings refer to MSHA Standard Specifications for Construction and Materials latest revision.

5.0 BASIS OF PAYMENT

Payment will be made for at the unit prices bid when approved by the Commission, otherwise, restoration will not be paid as a separate item but is considered incidental to other items of work. Payment will include all related items of work and will constitute full compensation for all labor, equipment, tolls, and all incidentals necessary to complete the required work.

****END OF SECTION 02800****