

ITEM 03203.5105 M- MAINTENANCE GRADING, CLEANING, TRIMMING & RESHAPING EXISTING ROADSIDE SECTION

DESCRIPTION:

This work shall consist of grading, cleaning, trimming and reshaping existing shoulders, foreslopes, ditches and backslopes, adjacent to the existing travel lanes, so that adequate unobstructed free flowing drainage is restored. The contractor shall accomplish the following appropriate descriptions of work to fit the existing field conditions, AOB E:

- A. Trim, grade and reshape existing shoulders from edge of existing travel lanes to the breakpoint, including behind all guiderail, at the slope and width specified on the typical sections AOB E, including removal of excess material.
- B. Trim, grade and reshape existing slopes (front and back) to the lines and grades shown on the typical sections AOB E, including removal of excess material.
- C. Trim, grade and reshape existing shoulder, from edge of existing travel lanes, and backslope in cut section at the slope and width specified on the typical sections AOB E, including removal of excess material.
- D. Grade, clean and shape ditches and backslopes, including removal of excess material as per typical section, to establish and restore proper drainage AOB E.
- E. Trim, grade and reshape existing slopes behind existing curbs or gutters, including removal of excess material, as per typical sections AOB E.

Materials:

Materials shall meet the material requirements of the Standard Specification section 610-2.02 Establishing Turf.

Construction Details:

This work shall include the following, as appropriate:

- 1. Removing and disposing of sod, deteriorated shoulder stabilization material and other loose, unsuitable or excess material on the shoulder.
- 2. Grading the existing shoulder to a uniform cross slope so that the top surface shall provide positive, uninterrupted surface flow drainage.
- 3. Grading and removing excess material beyond the existing shoulder break as detailed on the typical sections AOB E.
- 4. Removing excess material where the existing shoulders are high or have insufficient slope AOB E.

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5. Grading and reshaping of existing slopes (front and back), shall include removal of earth, sod, brush (up to 75 mm in diameter) and debris to limits shown on the typical sections or AOB E.
6. The grading, cleaning and shaping of existing ditches and backslopes shall consist of rendering the ditches and backslopes free of obstructions including the removal of earth, sod, brush (up to 75 mm in diameter) and debris to the limits shown on the typical sections or AOB E.
7. Material removed from existing ditches, shoulders, and slopes (front and back) shall be disposed of in conformance with the provisions of subsection 203-3.08 Disposal of Surplus Excavated Materials. No material will be disposed of within the right of way.
8. The contractor shall exercise due care to protect all trees, fences, markers, culverts, underground structures, utilities and appurtenances within and adjacent to the work area. Any damaged facilities shall be replaced in kind at the contractor's expense.
9. Disturbed earth areas within the work limits shall be graded in a manner approved by the Engineer and seeded AOB E in accordance with section 610-2.02 Establishing Turf.

Method of Measurement:

This work shall be measured as the number of meters measured along each outside edge of shoulder along which such work is performed. No payment will be made for intersections or driveways. The Engineer will determine the areas where work is not required, in advance of work operations.

Basis of Payment:

The unit price bid per meter shall include the cost of all labor, material and equipment necessary to satisfactorily complete the work. Refer to section 107-11 of the Standard Specifications for seeding and mulching of disturbed areas within the ROW.