

## 208 - LINEAR GRADING

### SECTION 208

### LINEAR GRADING

#### 208.1 DESCRIPTION

Construct the roadway to the approximate uniform section shown in the Contract Documents.

#### BID ITEMS

Linear Grading (\*) (\*\*)  
Water (Grading) (Set Price)  
\*Type of Compaction, if specified  
\*\*Moisture Range, if specified

#### UNITS

Station  
M Gallon

#### 208.2 MATERIALS

Use the existing soil.

Provide water for earthwork compaction that complies with **DIVISION 2400**.

#### 208.3 CONSTRUCTION REQUIREMENTS

Before placing an embankment of less than 4 feet on an existing surface, scarify or plow the existing surface to a depth of 6 inches. Thoroughly disc the non-surfaced area and remove the existing vegetation. Recompact the disked area before placing the embankment.

Before placing an embankment on a hillside or an existing embankment slope, scarify, plow or step the existing slope to a depth of 6 inches.

Use earthen materials that will produce a dense, well-compacted embankment. Obtain the embankment material from the locations provided in the Contract Documents.

If compaction of the earthwork is not specified, construct the embankment in horizontal layers a maximum of 8 inches thick (loose measurement). Place each layer the full-width of the embankment. Blade each layer until it is level and uniform, and compact to Type B, MR-90, **SECTION 205**.

If compaction of the earthwork is specified, construct the embankment in horizontal layers a maximum of 8 inches thick (loose measurement). Place each layer the full-width of the embankment. Blade each layer until it is level and uniform. Compact each layer as specified in the Contract Documents.

Construct the embankment to the grade lines, profiles and tolerances shown in the Contract Documents.

The Contractor may adjust the grade lines within the specified tolerances, except for bridges and other locations when the grade line shall match existing conditions. If required to adjust the grade line, maintain a minimum of 15 inches of earth cover (at the centerline of the project) on top of over-filled structures.

After the embankment is constructed, finish blade the surface until the embankment is consolidated, smooth and free of clods and other unsatisfactory materials. Finish the embankment within centerline grade and shoulder alignment tolerances. Do not construct abrupt changes. Construct the roadway, slopes and ditches to the specified profiles, and construct all ditches to drain properly.

Remove and dispose of all surface rocks that would interfere with mechanical mowing.

Provide an adequate water supply for compaction, and apply water as needed to control dust on the project.

Provide temporary erosion and pollution control according to **SECTION 901**.

#### 208.4 MEASUREMENT AND PAYMENT

The Engineer will measure linear grading by the Station, horizontally along the centerline of the roadway.

The Engineer will measure water used for earthwork compaction by M Gallons by means of calibrated tanks or water meters. The Engineer will not measure water used for dust control, water wasted through the Contractor's negligence or water in excess of the quantity required to obtain the proper moisture content.

Payment for "Linear Grading" at the contract unit price is full compensation for the specified work.

Payment for the quantity of "Water (Grading) (Set Price)" at the contract set unit price is full compensation for the specified work.