

ITEM 209 LINEAR GRADING**209.01 Description****209.02 Materials****209.03 Construction Requirements****209.04 Ditch Cleanout****209.05 Reshaping Under Guardrail****209.06 Preparing Subgrade for Shoulder Paving****209.07 Grading Tolerances****209.08 Method of Measurement****209.09 Basis of Payment**

209.01 Description. This work consists of performing linear grading within the specified alignment detailed in the Contract Documents and within the grading tolerances.

Use removed or excavated materials in the Work when the material conforms to the specifications; if not, then recycle or dispose of the material according to 105.16 and 105.19.

209.02 Materials. Furnish suitable materials as defined in 203.02.R.

209.03 Construction Requirements. Construct embankment and subgrade work according to Items 203 and 204.

When off-project-limit embankment material is needed for the work, an estimated quantity for Item 209 Borrow will be specified in the Contract Documents.

209.04 Ditch Cleanout. Reestablish the cross-section of the existing ditch. Use the required embankment material to fill the eroded conditions. The compaction requirements specified in Item 203 do not apply.

209.05 Reshaping Under Guardrail. Reshape graded shoulders at locations where the existing guardrail is removed or where the new guardrail is to be erected to ensure a smooth drainable surface free of all irregularities.

209.06 Preparing Subgrade for Shoulder Paving. Prepare the subgrade for shoulder paving by excavating the existing shoulder material to the depth shown in the plan. Trim unsound or broken edges of asphalt concrete or concrete pavement to a line established by the Engineer. Remove any unstable material and shape and compact the subgrade.

Compact the subgrade according to 204.03. Backfill areas graded in excess of the depth shown on the plans with Item 617 compacted aggregate at no expense to the City.

209.07 Grading Tolerances. Do not encroach on stream channels, impact wetlands, or extend beyond construction limits, Right-of-Way or easement limits. Do not make alignment or profile grade adjustments that adversely affect drainage. Construct the work to the tolerances in 203.08.

209.08 Method of Measurement. The City will measure Linear Grading, Reshaping Under Guardrail, and Preparing Subgrade for Shoulder Paving by the number of linear feet (meters) completed and accepted, along each side of the pavement. The City will make deductions for intersections and other gaps in the Work.

The City will measure Ditch Cleanout by the number of feet (meters) measured along the centerline of the ditch.

The City will measure Borrow according to 203.09.

209.09 Basis of Payment.

The City will pay for accepted quantities at the contract prices as follows:

Item	Unit	Description
209	Linear Feet (Meter)	Linear Grading
209	Linear Feet (Meter)	Ditch Cleanout
209	Linear Feet (Meter)	Reshaping Under Guardrail
209	Linear Feet (Meter)	Preparing Subgrade for Shoulder Paving
209	Cubic Yard or Ton (Cubic Meter or Metric Ton)	Borrow or Excavation