

200 EARTHWORK

ITEM 209 – LINEAR GRADING

- 209.01 Description**
- 209.02 Materials**
- 209.03 Construction Requirements**
- 209.04 Ditch Cleanout**
- 209.05 Reshaping Berm or Pathway**
- 209.06 Preparing Subgrade**
- 209.07 Grading Tolerances**
- 209.08 Method of Measurement**
- 209.09 Basis of Payment**

209.01 Description. This work shall consist of berm grading or pathway grading within the specified alignment as detailed in the contract documents and within the grading tolerances. The general intention is to use or reuse all suitable excavated material in the work or use, recycle, or dispose of all excavation materials legally in accordance with federal, state and local regulations. No extra compensation will be provided for Borrow or Excavation within the project limits. Item 209 Borrow or Excavation will be set up in the contract documents, when extra Borrow or Excavation material needs to be imported or exported within or outside of the project limits. The Contractor shall adequately protect adjacent, overhead, or underlying facilities or installations and will be liable for any damage and repairs as determined by the Engineer.

209.02 Materials. The Contractor shall use only suitable materials conforming to 203.02.

209.03 Construction Requirements. The Contractor shall construct the embankment and subgrade work according to Items 203 and 204, except as modified within Item 209.

209.04 Ditch Cleanout. The Contractor shall re-establish the cross-section of the existing ditch and use embankment material as needed to fill or correct the eroded conditions.

209.05 Reshaping Berm or Pathway. The Contractor shall reshape graded shoulders or pathways at locations as needed and directed by the Engineer with proper provisions for drainage. The Engineer may require that any deep vertical depressions be filled with compacted granular material prior to any reshaping work as an incidental item.

209.06 Preparing Subgrade. The Contractor shall prepare the subgrade for shoulder paving, roadway widening, or any linear pathway work by excavating the existing material to the depth shown in the plan. The Contractor shall saw cut bituminous or concrete pavement to a line and depth as established by the Engineer. Saw cutting, the removal of any unstable material, and the shaping and compaction of the subgrade are

incidental work for Item 209.06. The contractor shall compact the subgrade in accordance with 204.03. Backfill areas excavated in excess of the depth specified shall be filled and compacted with Item 617 at the Contractor's own expense.

209.07 Grading Tolerances. *The Contractor shall not encroach on stream channels, impact wetlands, or extend beyond construction limits, right-of-way or easement limits, nor make any alignment or profile grade adjustments that could adversely affect drainage without prior approval from the Engineer. The Contractor shall perform all work within the tolerances in Item 203.08 and all grading shall be flush to any linear control surfaces as directed by the Engineer.*

209.08 Method of Measurement. *The Engineer will measure all Linear Grading pay items in linear feet (or linear meters), completed and accepted, along each side of the pavement for each separate pathway of work for Ditch Cleanout, Reshaping Berm or Pathway, or Preparing Subgrade with deductions for intersections and other gaps within the linear work. Borrow or excavation that needs to be imported or exported within or outside of the project limits will be measured and paid for in accordance with Item 203.09.*

209.09 Basis of Payment. *The Engineer will pay for accepted quantities at the contract price that includes all work incidental to these work items, as follows:*

Item	Unit	Description
209	Linear Feet (Meter)	Ditch Cleanout
209	Linear Feet (Meter)	Reshaping Berm or Pathway
209	Linear Feet (Meter)	Preparing Subgrade
209	Cubic Yard or Ton (Cubic Meter or Metric Ton)	Borrow or Excavation