

April 16, 2004

**INSTRUCTIONAL BULLETIN NO. 2004-14**

**SUBJECT:** Fine Grading (Revised)

**EFFECTIVE DATE:** April 5, 2004

**SUPERSEDES:** Instructional Bulletin 2004-4 "Fine Grading"

**RE:** Section 208, Standard Specifications for Highway Construction  
Supplemental Specification, "Fine Grading" dated March 11, 2004 (Attached)

The item of "Fine Grading" has been placed in all plans, that include pay items of "Unclassified Excavation", and/or "Borrow Excavation" where work is necessary to bring earth material into final shape, beginning with the March 2004 Highway Letting. The pay item number is 2081000 and the pay unit was Lump Sum. The pay unit has been changed to square yards. Beginning with the June 2004 Highway Letting, calculate the plan quantities of Fine Grading for all subgrade areas including side roads. Only those drives shown on the plans will be included in the estimated quantities. The quantity of Fine Grading will be the area of subgrade extending laterally 18 inches beyond the pavement structure. The Contractor will be paid the plan quantity unless the fine grading area is changed as discuss in the attached supplemental specification, "Fine Grading".

Place the pay item only on the "Summary of Estimated Quantities" Sheet. The "Fine Grading" pay item will not be used when the earthwork is measured and paid for as "Site Excavation" or "Station Grading". Also, "Fine Grading" will not be used on resurfacing projects where the shoulder is being brought-up to grade to match the adjacent pavement.

Approved: \_\_\_\_\_

E. S. Eargle  
Road Design Engineer

ESE:afg

cc:

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SUPPLEMENTAL SPECIFICATIONS

March 11, 2004

**FINE GRADING**

The current specifications direct that all costs necessary to complete fine grading of the subgrade are to be included in other items of work. Typically, these costs are included in excavation items, or other items, that may be subject to increases or decreases from the plan quantities, as field conditions dictate. Whenever this situation arises, either the Department or the contractor must absorb the impact of this imbedded cost for fine grading work. In order to alleviate this issue, an item of Fine Grading has been established and included in this contract.

Fine Grading is defined as the work necessary to bring the in-place earth material into the final shape and compacted condition prescribed in the contract documents. The area considered for Fine Grading shall be the area described in Section 208 of the standard specifications, which extends laterally 18 inches beyond the pavement structure.

Section 208 of the Standard Specifications, Edition of 2000, is revised as follows:

Subsection 208.04 is replaced as follows:

**208.04 – Method of Measurement:** Fine Grading will be measured by the square yard.

Subsection 208.05 is replaced as follows:

**208.05 – Basis of Payment:** Fine Grading of the subgrade as provided for in this section will be paid for based on the computed quantity shown in the plans for Fine Grading, which price and payment shall be full compensation for all labor, equipment, materials, tools, transportation and supplies required to complete the work in accordance with the plans, specifications, and terms of the contract.

Payment Schedule:

| Percent Contract Complete | Percent of Fine Grading Contract Amount to be paid |
|---------------------------|--|
| 1 – 5                     | 20   |
| 6 – 15                    | 40   |
| 16 – 29                   | 60   |
| 30 – 49                   | 70   |
| 50 – 69                   | 80   |
| 70 – 89                   | 90   |
| 90 - 100                  | 100  |

Should the limits of the fine grading work change due to extensions, deletions, revisions, etc., the Engineer will measure the fine grading area and compare the measured area to the original plan quantity area. The pay quantity will be revised only when the fine grading area changes by more than 10% from the original plan quantity area.

| Measured Area<br>Original Area (Plan Qty) | Pay Quantity                  |
|---|-------------------------------|
| < 90%                                     | Measured Area                 |
| 90% - 110%                                | Original Area (Plan Quantity) |
| >110%                                     | Measured Area                 |

Payment will be made under:

| Item No. | Pay Item     | Pay Unit    |
|----------|--------------|-------------|
| 2081001  | Fine Grading | Square Yard |