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ENGINEERING INSTRUCTION

NEW YORK STATE DEPARTMENT OF TRANSPORTATION

SUPERSEDED
BY EB 98-045
EFFECTIVE 12/1/98

SUBJECT: EARTHWORK SUMMARY SHEETS

Subject Code: 7.26-2-9

Distribution:

30 Main Office 32 Regions 34 Special

Code: EI 91-12

Date: June 27, 1991

APPROVED:

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Supersedes: 81-41
83-14
Supplements: 85-49

At a recent meeting between the Associated General Contractors Specifications Committee and representatives of our Department, we mutually agreed to revert to the practice of including Earthwork Summary Sheets on appropriate projects. These give the contractors a breakdown of the earthwork items subject to the exculpatory language regarding the accuracy of the estimate(s) that is contained in the note on Earthwork Summary Sheet (ES-1).

There are two (2) different Earthwork Summary Sheets (ES-1 & ES-2). For projects that have less than 5,000 cubic yards of earthwork items (203.01, 203.02, & 203.03), or greater than 5,000 c.y. but less than 500 linear feet in length, only ES-1 is necessary. It can be prepared and included in the proposal as three (3) 8 1/2" x 11" sheets [ES-1 (Summary of Earthwork), ES-1A (Definitions and Symbols), and ES-1B (Explanation of Earthwork Design)]. These sheets replace the need for the full size sheet (ES-1). (See EI 85-49).

Projects with over 5,000 cubic yards of earthwork items and at least 500 linear feet in length require the preparation of both ES-1 and ES-2 in the large size (22" x 34") form. They should be included in the contract plans.

The space under "Explanation of Earthwork Design" should be used to describe the type of work involved on smaller projects, and to describe all special earthwork features on large projects.

The bottom of area "F" in the diagram is assumed to be at the original ground surface. However, if a design includes a construction lift or the top of a swamp, backfill would not be at the original ground surface and this assumption would be in error. "F" must be adjusted accordingly.

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Directions included in the hereby superseded EI 81-41 indicated that an earthwork table of quantities was to be prepared and included in the contract plans. This is no longer necessary because all this information will appear on the Earthwork Summary Sheets.

Instructions in the Highway Design Manual regarding these Earthwork Summary Sheets are incorrect and should be disregarded. They will be amended in the future in the H.D.M.

This instruction takes effect with the letting of January 30, 1992.

When preparing the sheet "Supplemental Information Available to Bidders" (CONR 9g) for a project the two lines mentioning Earthwork Summary Sheets should be crossed out since this information would now be in the plans or proposal. At some time in the future new "CONR 9g" forms reflecting this change will be distributed.

Mylar sheets for ES-1 and ES-2 in 22X34 format will be sent under separate cover to Regional Offices.

Questions regarding this Instruction and the Earthwork Summary Sheets may be directed to Ed Fernau of the Soil Mechanics Bureau at (518) 457-4719.