

CHAPTER 4: EARTHWORK

Construction Notes

Pertinent construction notes should be shown in the plan whenever possible, rather than included in the special provisions. This makes it clearer and easier for the contractors bidding the job, as well as for our engineers, inspectors, etc. It is better to have as much information as possible shown in one document rather than having to refer to two of them, and the pertinent information is less likely to be overlooked while bidding the project or constructing it in the field.

Excess Material

The special provision recommendations governing disposal of waste materials and/or surplus excavated materials off the right of way are quite inconsistent. Some districts submit recommendations that cover such disposal vary comprehensively, while others are extremely vague.

Since protection of the environment, such as wetlands, has become so vital, we feel that standard comprehensive provisions should be established and used on all projects, state-wide, where disposal of materials off the right of way is required.

It is recommended to use the note...ALL MATERIAL NOT UTILIZED ON THIS PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF OFF THE R/W IN ACCORDANCE WITH SPEC 2104.

Bituminous Removal

When bituminous removal is included in common excavation (i.e. less than 6 in (150 mm) in thickness) the designer should put a note into the plan stating this fact. A minimum note could read: Bituminous Pavement removal is included in common excavation. A more explicate note may read: Common excavation includes approximately __ cu. yds (m³) of bituminous pavement removal. The best way to handle this is to show bituminous removal on the earthwork tabulations.

The plan should also state the approximate depth of the bituminous removal.

Check Earthwork Quantities

Please ensure earthwork design calculations are checked carefully. We have paid large claims due to plan errors in the earthwork calculations.

2106 Earthwork Pay items

When using 2106 Earthwork pay items you cannot show any topsoil quantities. However, these quantities still need to be supplied to the central office estimating unit.

Also if this item includes a note stating that the 6" of bituminous pavement removal is paid for as excavation common it cannot include any quantities. However, this quantity needs to be supplied to the central office estimating unit.