

## Example of Bid Item usage

Example Project Quantities from Earthwork Spreadsheet

Column Header	Value
Total Adjusted Cut	11,260
Template Rock Volume	108
Template Waste Volume	192
Total Fill Adjusted	25,359
Total Cut Adjusted w/ 1.3 Shrink factor Minus Fill	-16,698
Total Topsoil Cut Volume	3,586
Template Topsoil Replacement Volume	1,618
Topsoil Cut with 1.4 Shrink Factor	2,576
Topsoil Cut with Shrink Minus Topsoil Replacement	958

Bid Items used in this example

EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED	16,698
EXCAVATION, CLASS 10 ROADWAY AND BORROW	11,152
EXCAVATION, CLASS 10, WASTE	192
EXCAVATION, CLASS 12, ROADWAY AND BORROW	108
TOPSOIL, STRIP AND STOCKPILE	1,341
TOPSOIL, STRIP, SALVAGE AND SPREAD	2,245

EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED: This quantity is derived from the **Total Cut Adjusted w/ 1.3 Shrink factor Minus Fill** column in the spreadsheet. Since the quantity is negative, there is a need of material.

EXCAVATION, CLASS 10 ROADWAY AND BORROW: This quantity is based on the **Total Adjusted Cut** column minus the **Template Rock Volume** column.

EXCAVATION, CLASS 10, WASTE: This is derived from the **Template Waste Volume** column.

EXCAVATION, CLASS 12, ROADWAY AND BORROW: This quantity comes from the **Template Rock Volume** column in the spreadsheet.

TOPSOIL, STRIP AND STOCKPILE: **Topsoil Cut with Shrink Minus Topsoil Replacement** column is positive notating a surplus of topsoil material. This quantity is the value of this column multiplied by the shrink factor (1.4) to remove the shrink factor from the **Topsoil Cut with Shrink Minus Topsoil Replacement** value in order to denote the actual material volume cut from the ground.

TOPSOIL, STRIP, SALVAGE AND SPREAD: **Total Topsoil Cut Volume** minus the quantity of **Strip & Stockpile** to pay the contractor for all of the material they cut out of the project.