

## Workflow 3: Calculating “Area” Quantities

1. *Highlight the item you want to calculate, and then select the Shape button on the menu bar.*

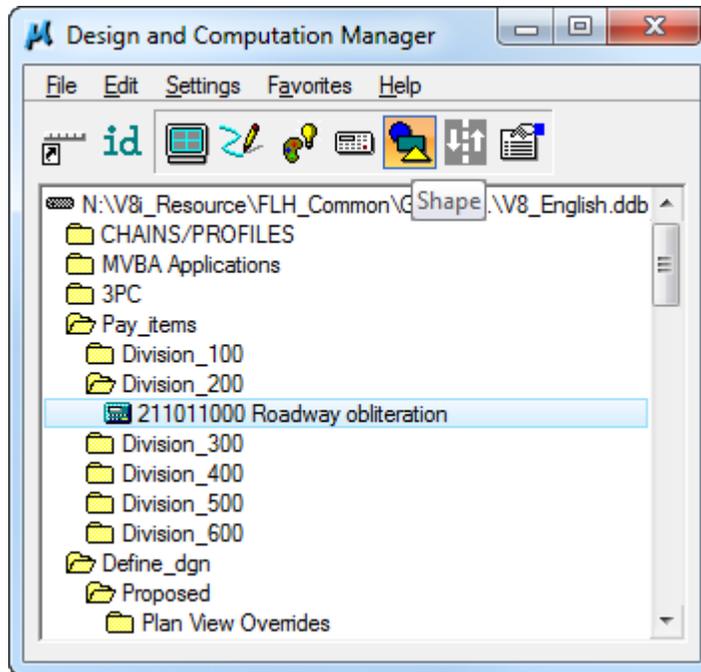


Figure 10.3-1: Place Shape Icon

The place shape dialog has three choices for drawing the element: Semi-auto, Automatic, and Exclusive. Semi-auto will allow you to pick the items you want to create the shape with; Automatic will create a shape around a point that you pick inside your area; and exclusive will create a shape where you want to exclude an area such as a planter in the sidewalk. Use either Automatic or Exclusive. Exclusive is used when there is a deduction from the area, for example a planter in the middle of a sidewalk. Automatic is used when there is no need for deduction. The easiest method is Automatic; the tolerance and radius values can be adjusted if automatic is not working.

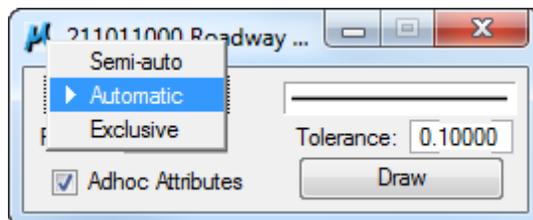


Figure 10.3-2: Place Shape Dialog

2. *Choose a method for drawing the element. Select Draw and pick a data point in the middle of the area that you want the shape in. GEOPAK will draw the shape. When you pick draw with Exclusive, GEOPAK will prompt you to pick a data point inside the outside shape. Once you pick that data point, GEOPAK will highlight the outer shape and then prompt you to pick inside the inner shape to deduct. Once that data point is selected, GEOPAK will draw the shape with the hole in it.*

- Once the shape has been created, go back to Plan Quantity Computation dialog box. Double click to select the item you want calculated.

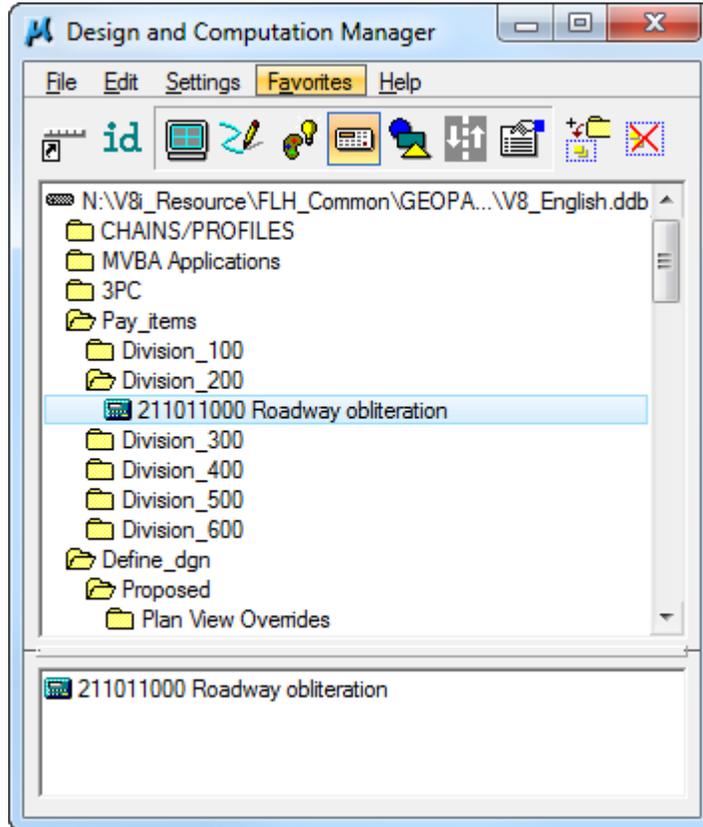


Figure 10.3-3: Item Selection

- Make sure the Job Number and Chain Name are correct. Set the Extents to View, Fence, or Active Design File. Select Compute Quantities.

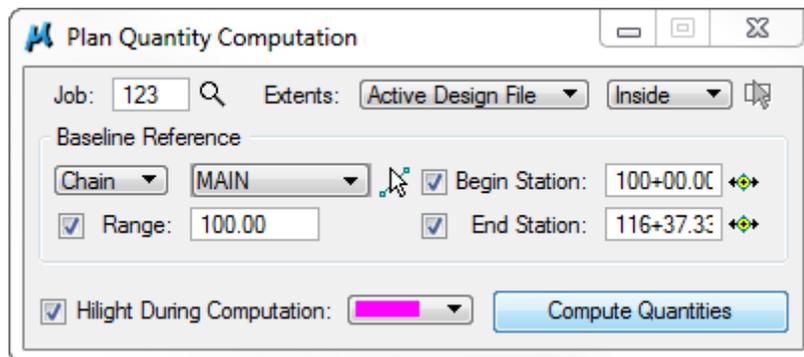


Figure 10.3-4: Compute Dialog



5. Set Export Format to Item Report, add a file name, and select Export:

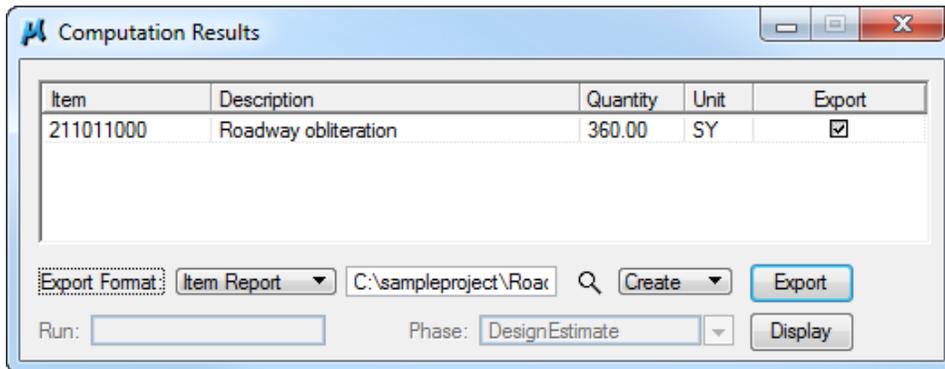


Figure 10.3-5: Computation Results Dialog for Comp Book

6. The following report will be created.

Pay Items List			
Date: 8/31/2015 9:45:35 AM		File Name: C:\sampleproject\Roadway\GEOPAK\area.txt	
Item No.	Description	Unit	Quantity
211011000	Roadway obliteration	SY	360.000

Figure 10.3-6: Output