## Grading Design and Modeling at Bridge Abutments

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## Simple Grading

- Place Smartline around the bottom of the abutment.
- Under the Civil tab, use



 Create a new terrain from elements, using the bottom "smartlined" abutment (breakline) and the projected slope (bound a solution of the projected)







## Simple Grading and Earthworks

- Place Smartline around the bottom of the abutment.
- Under the Civil tab, use



Create 3D By Slope To Target



 Under Civil Analysis>Analyze Volume using the ground data against the new graded terrain.



