

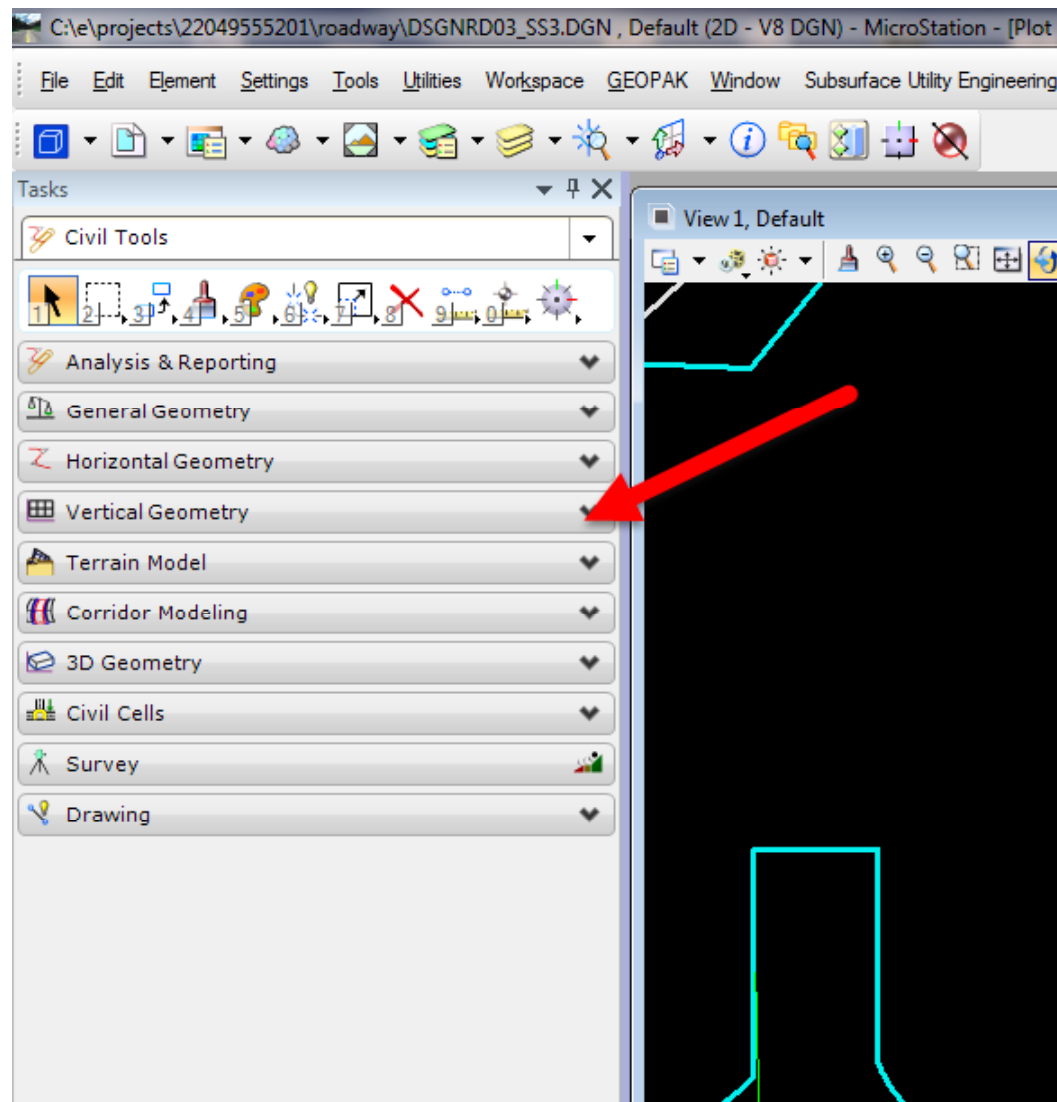
Vertical Geometry Tools in FDOTSS3



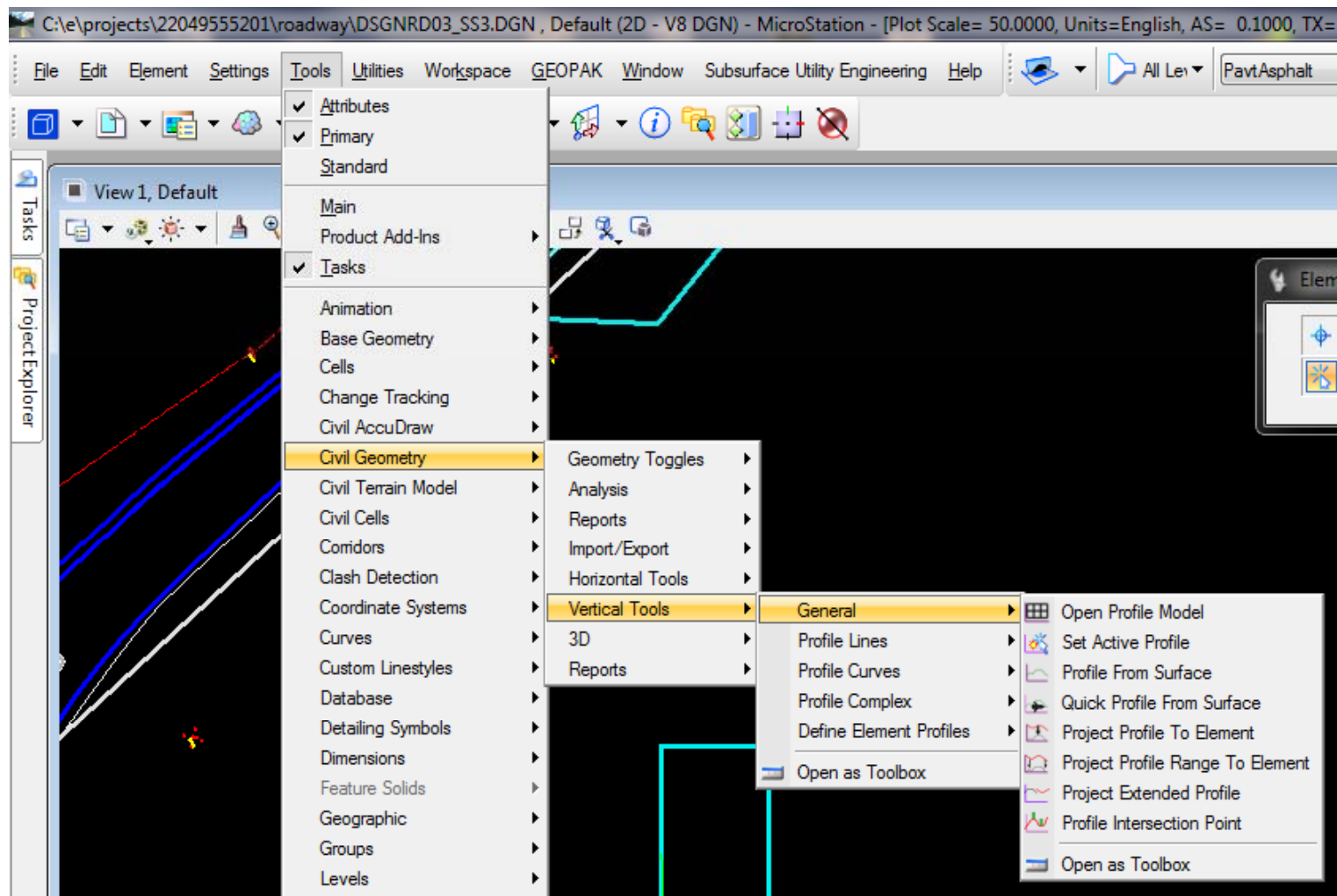
Vern Danforth

Wednesday, June 11, 2014 10am

Civil Tools – Vertical Geometry

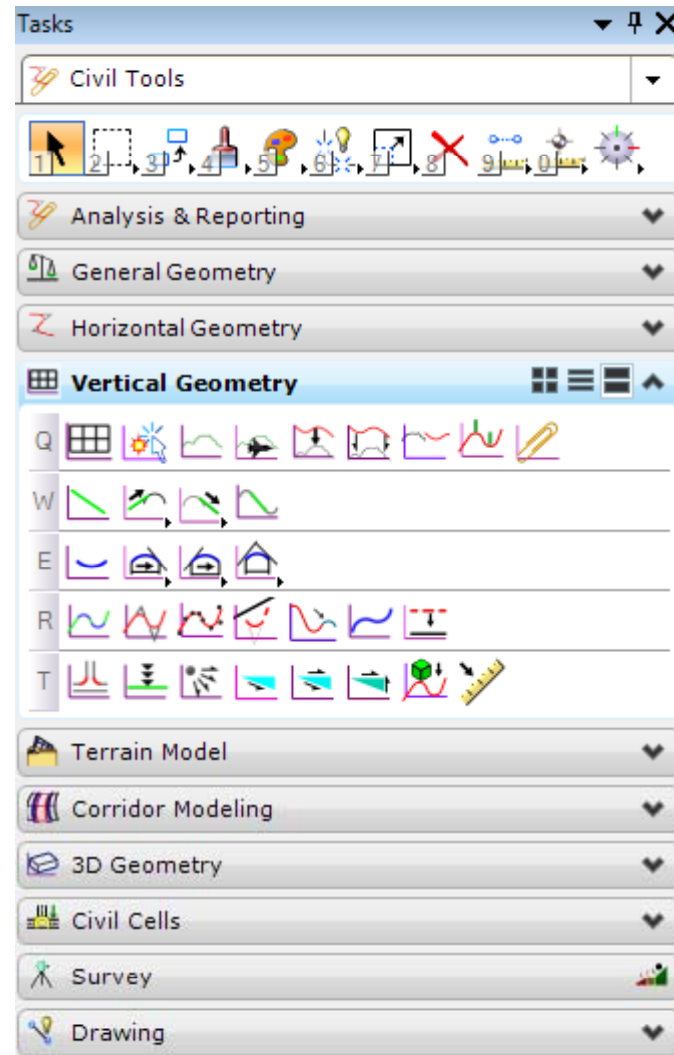


Civil Tools – Vertical Geometry



Vertical Geometry Tools:

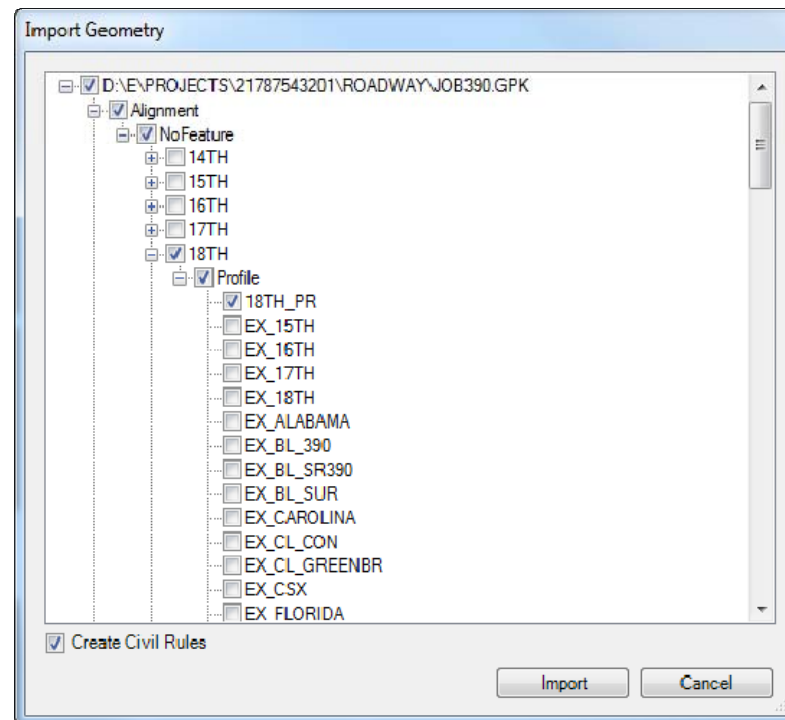
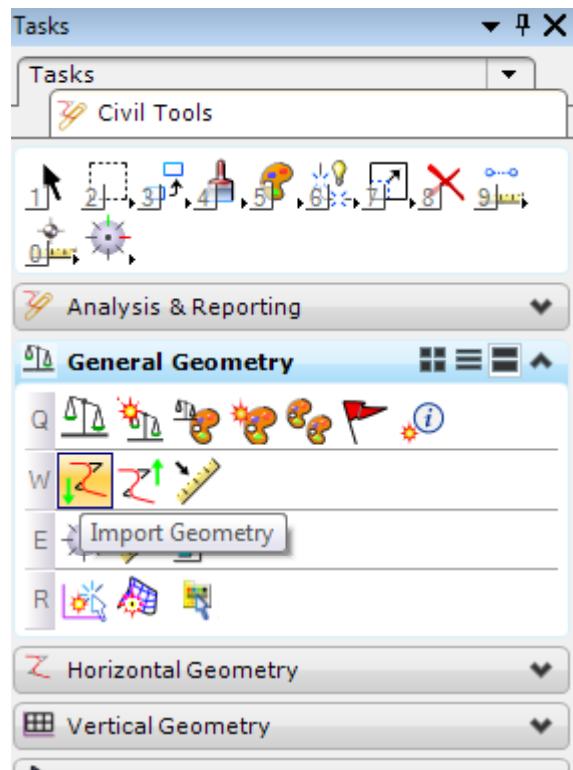
- ◆ Import/Export Profiles
- ◆ Profile from Surface
- ◆ Profile by Best Fit
- ◆ Design Standard Checks
- ◆ Edit Profile by VPI
- ◆ Profile Reports
- ◆ Construct Profiles
- ◆ Intersecting Profiles
- ◆ Profile by Offsets



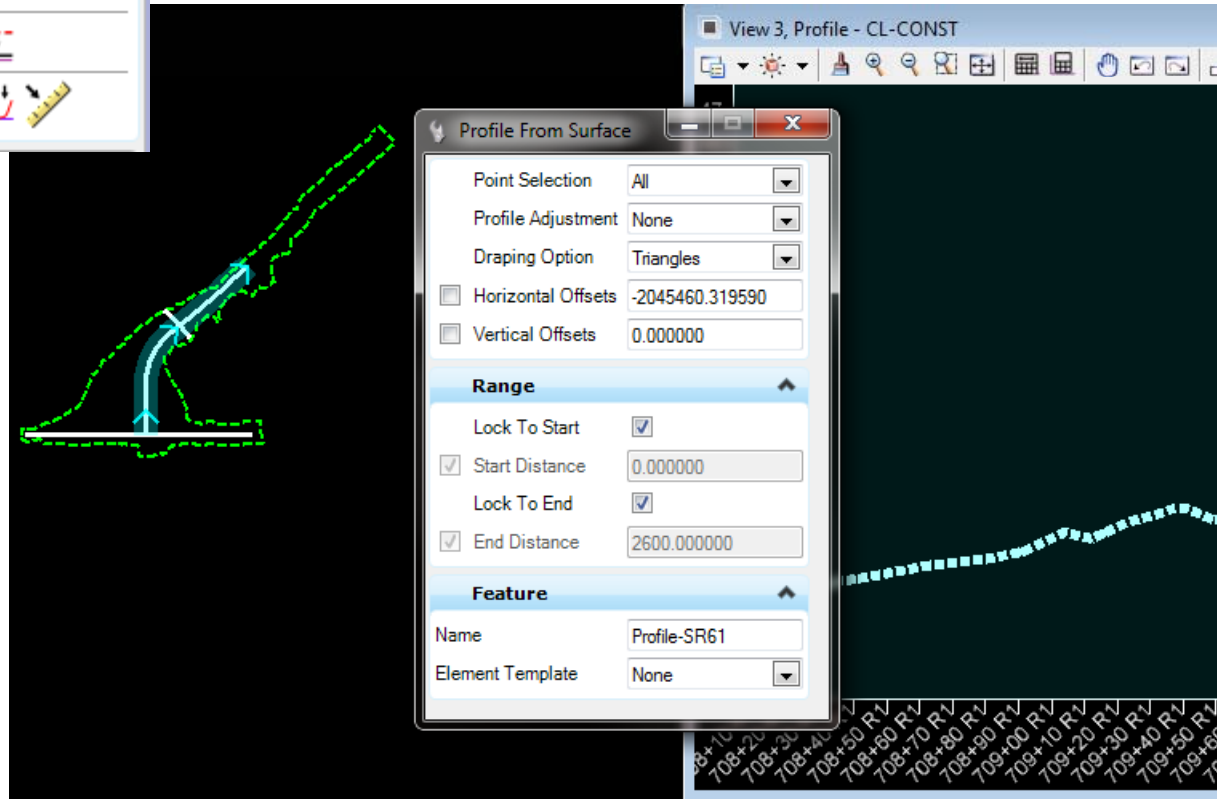
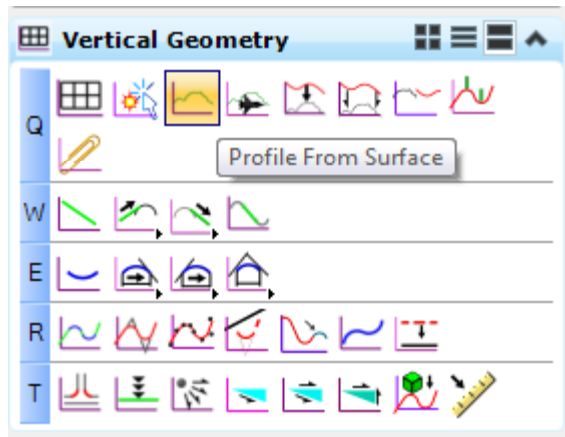
Import/Export Profiles

◆ Import Geometry Tool

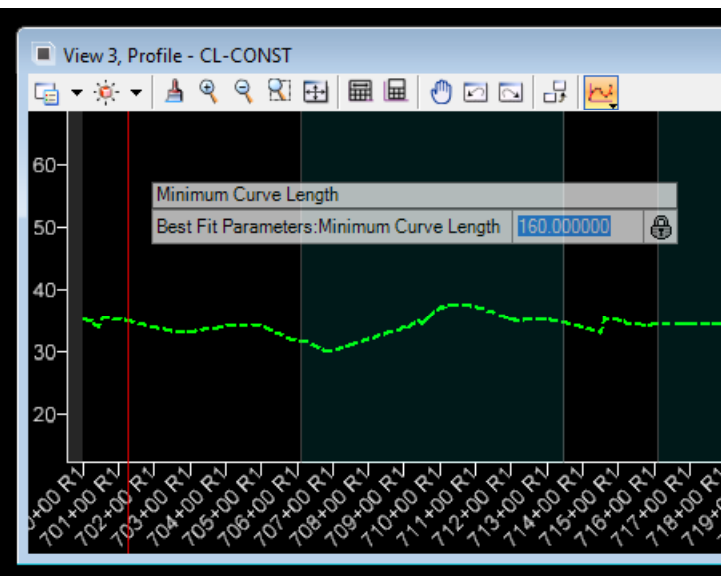
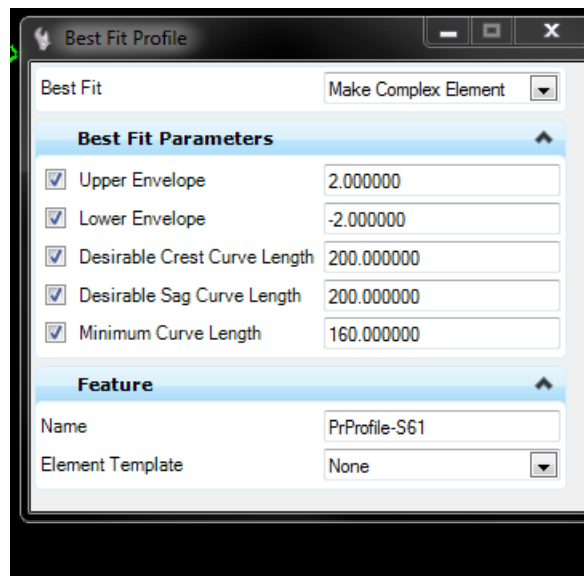
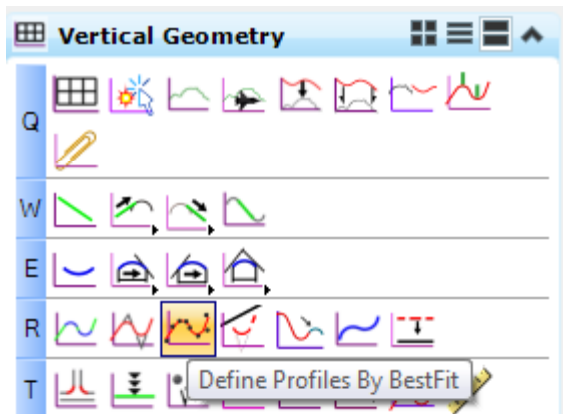
- Used to store chains, profiles into SS3 design file



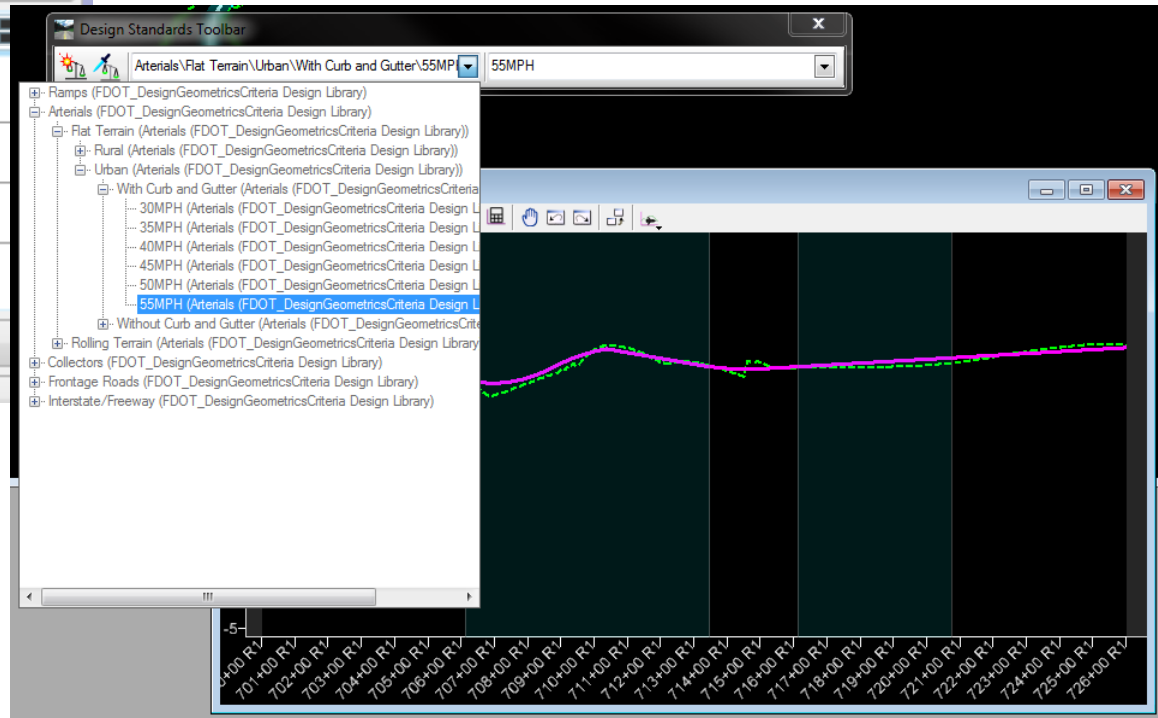
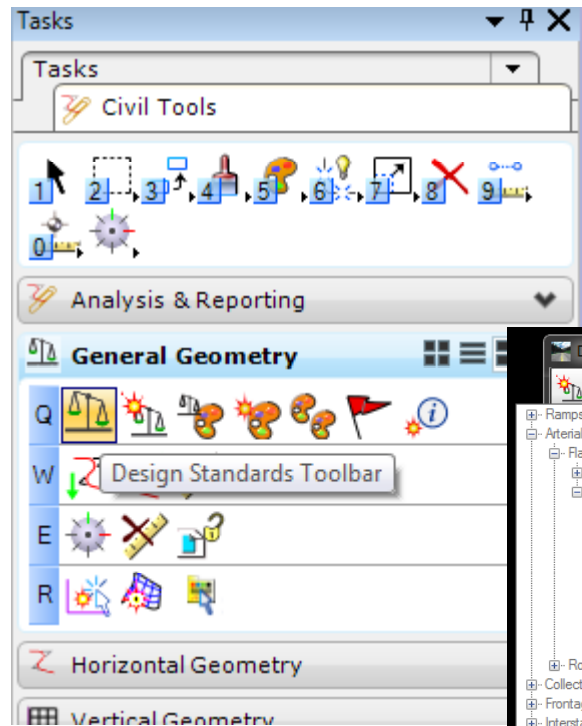
Profile from Surface



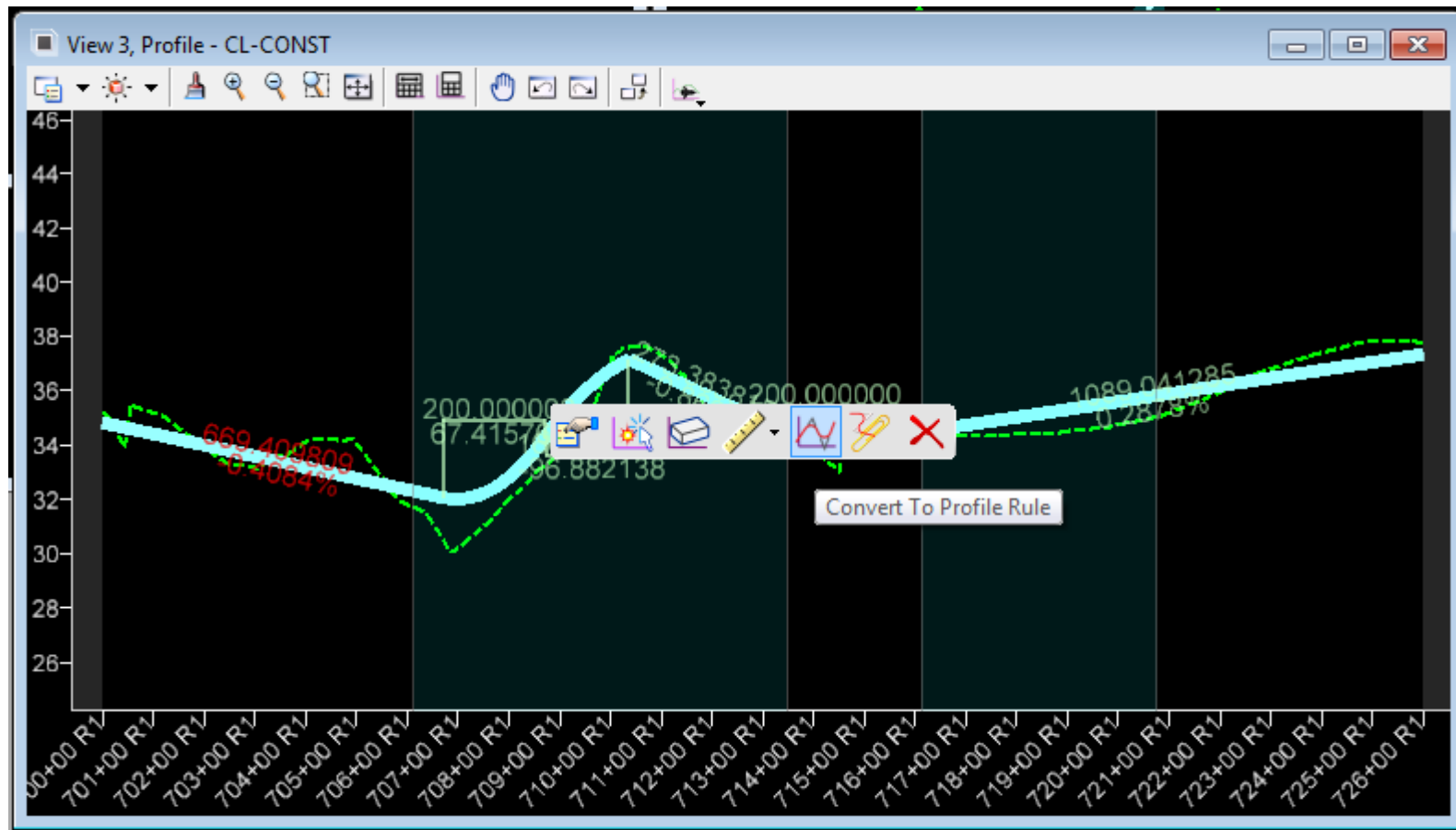
Profile by Best Fit



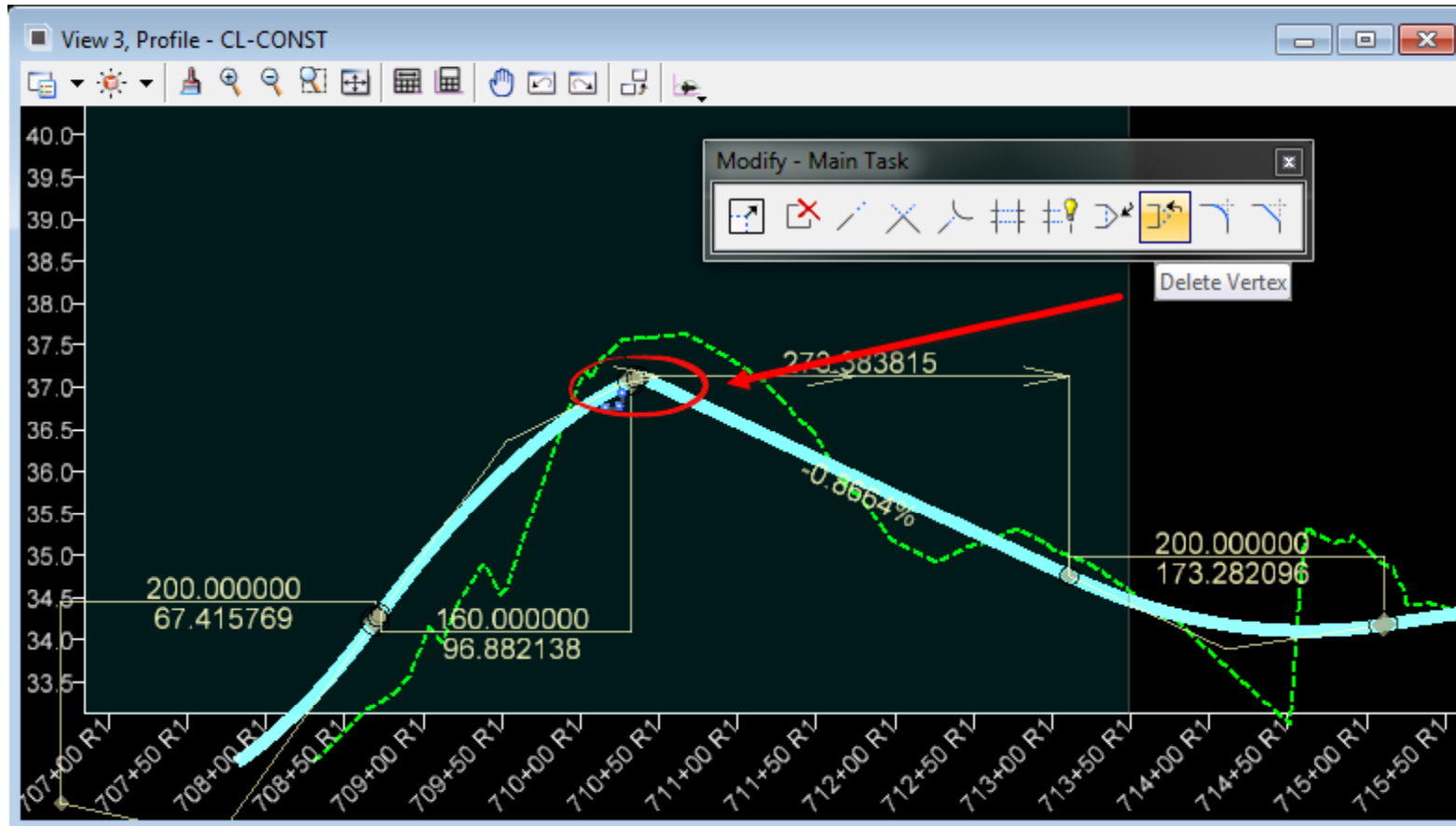
Design Standard Checks



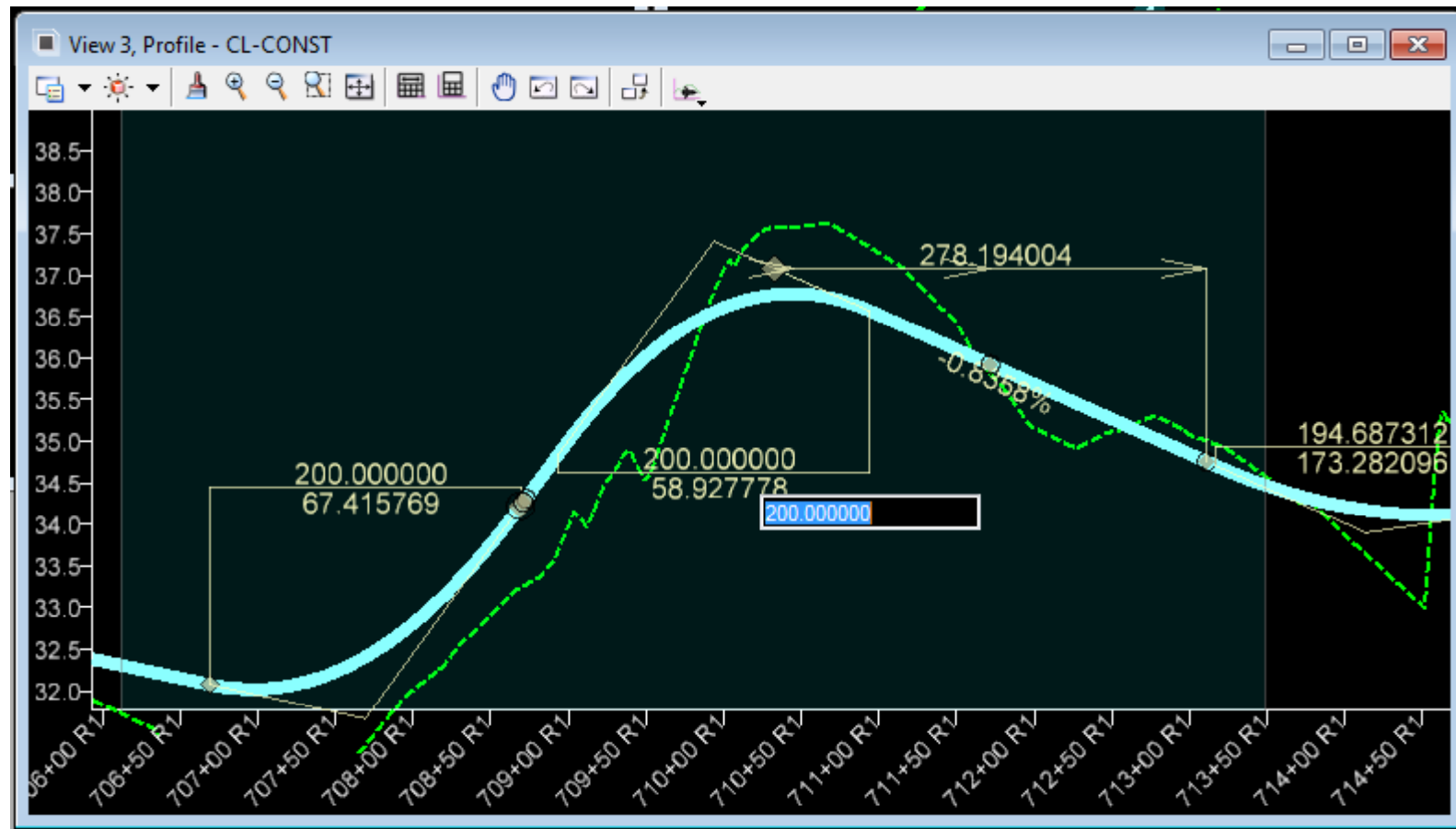
Edit Profile by VPI



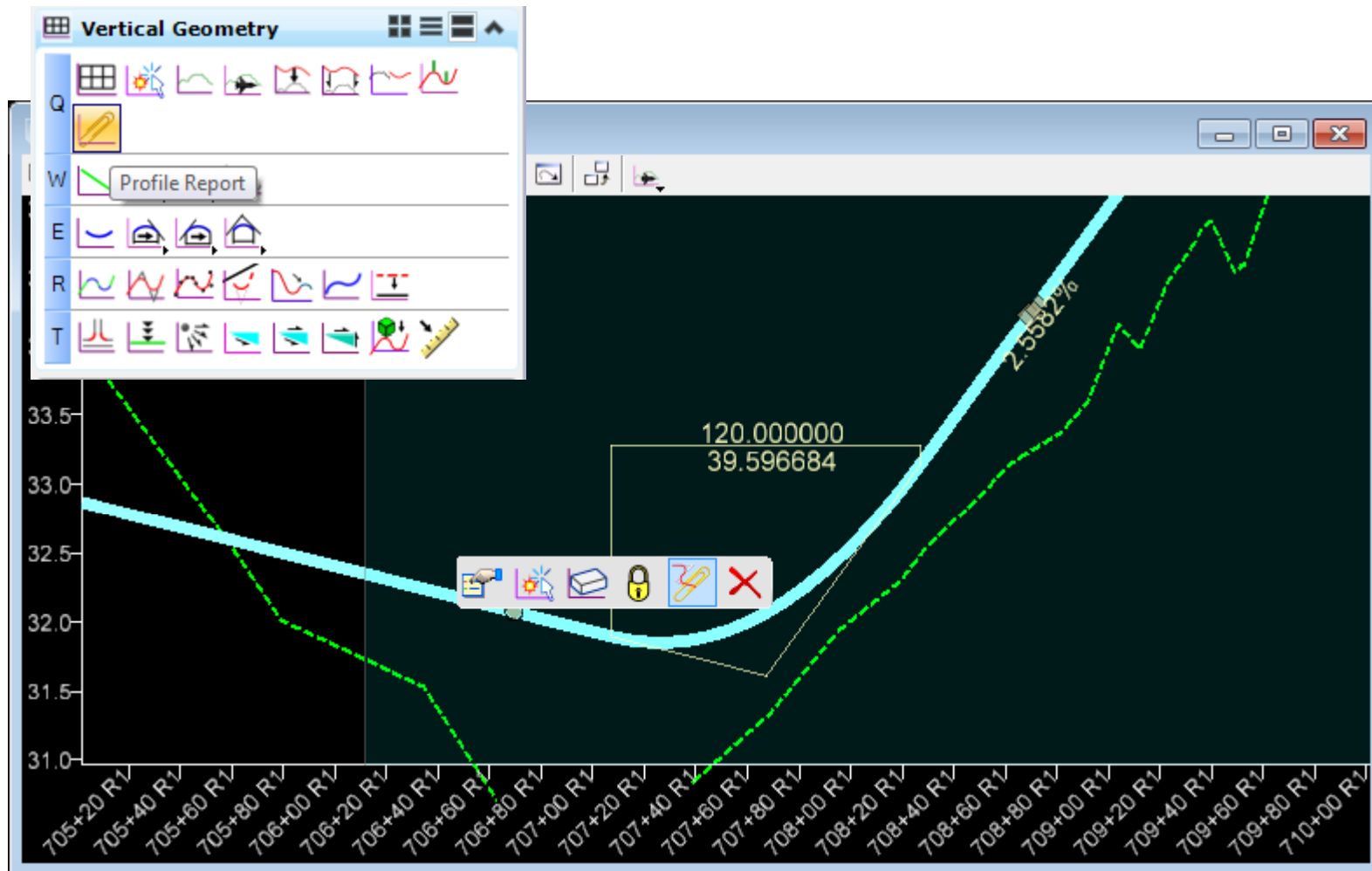
Edit Profile by VPI



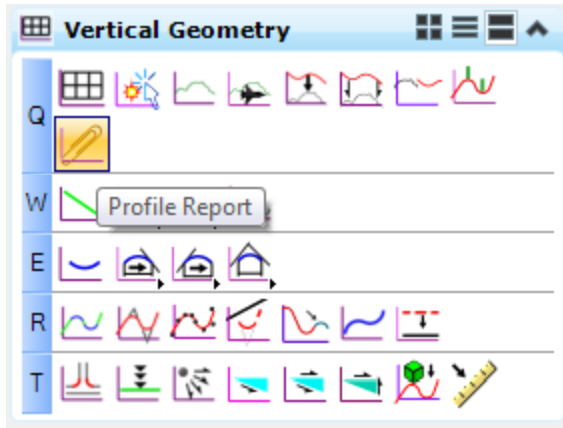
Edit Profile by VPI



Profile Reports



Profile Reports



Vertical Alignment Review Report

Report Created: 5/21/2014
Time: 2:31pm

Project: Default
Description:
Name: L:\E\Projects\22049555201\roadway\ALGNRD01_SS3.dgn
Revised: 5/21/2014 14:28:46

Note: All units in this report are in feet unless specified otherwise.

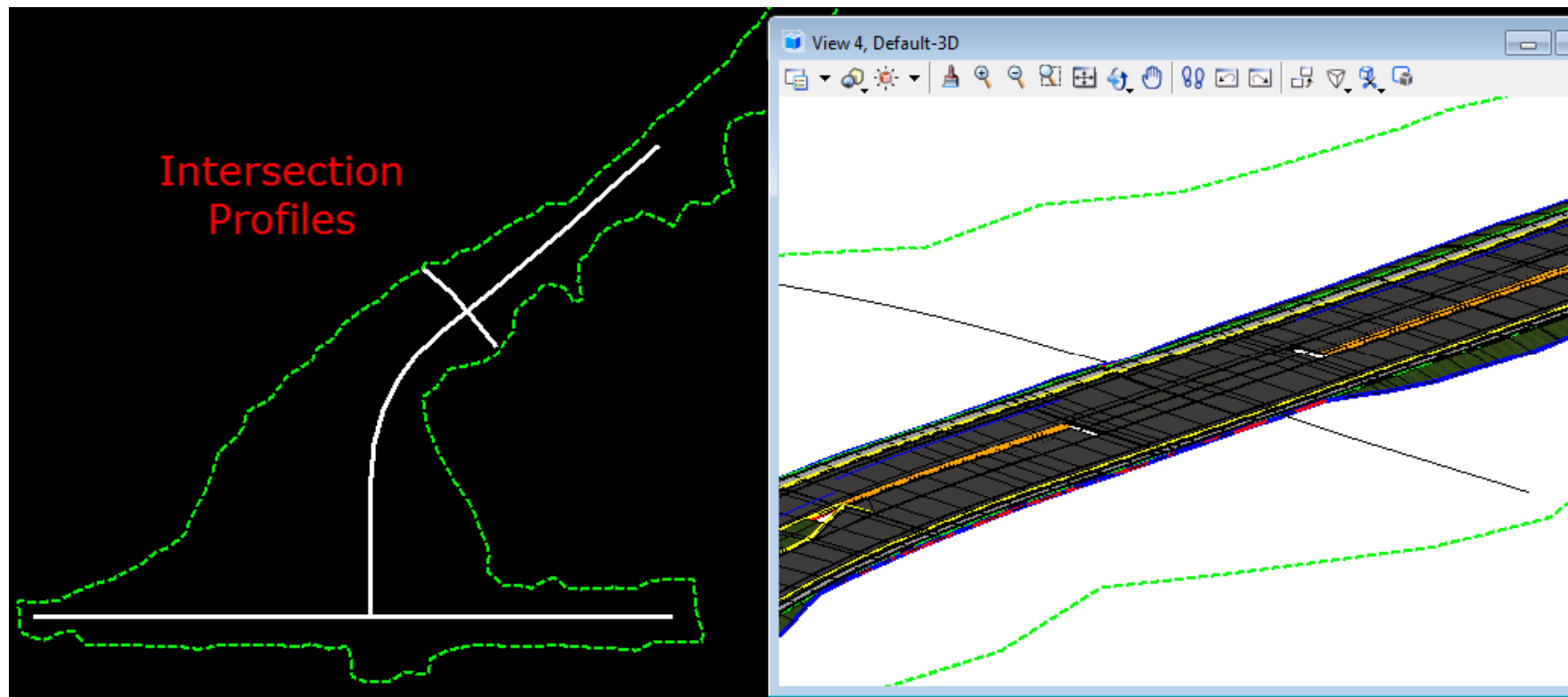
Horizontal Alignment: CL-CONST
Horizontal Description:
Horizontal Style: Centerline(CL)

Vertical Alignment: PrProfile-S61
Vertical Description:
Vertical Style: Centerline(CL)

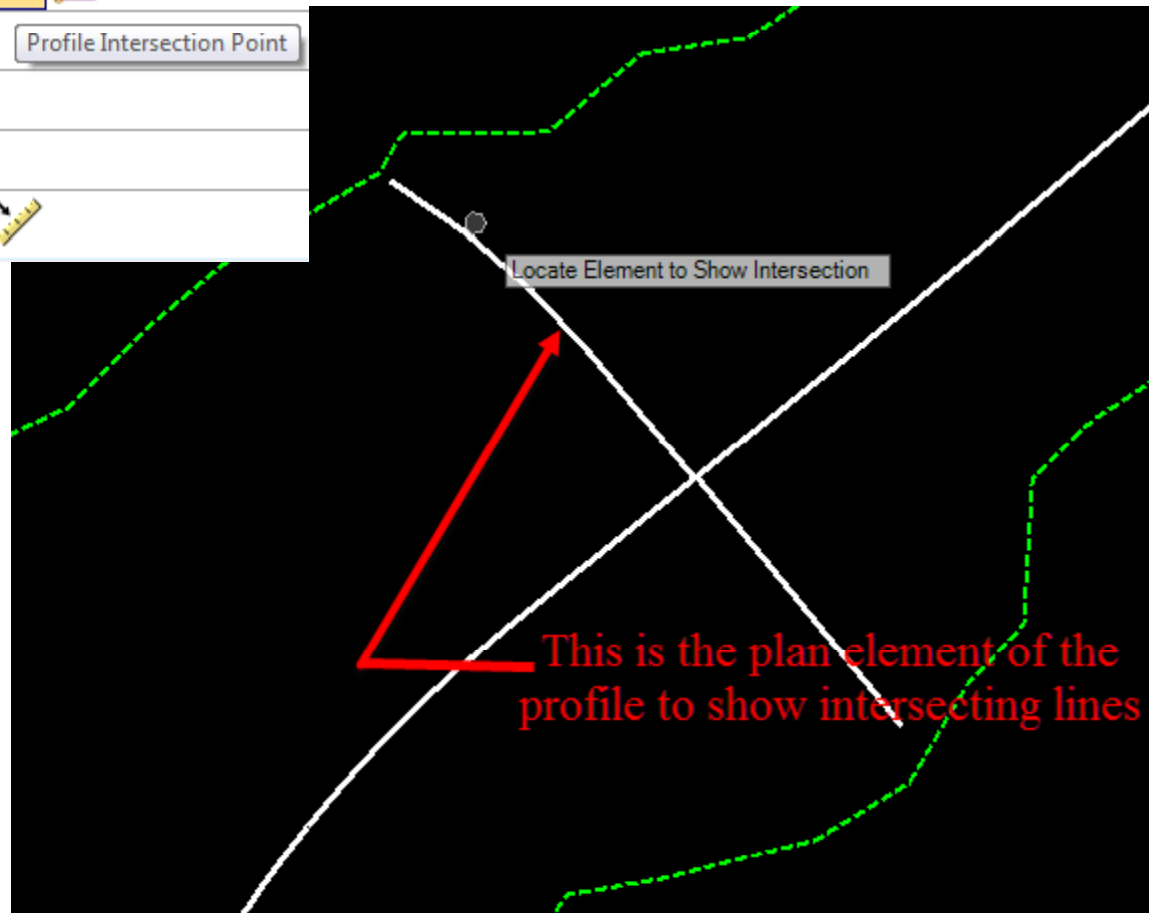
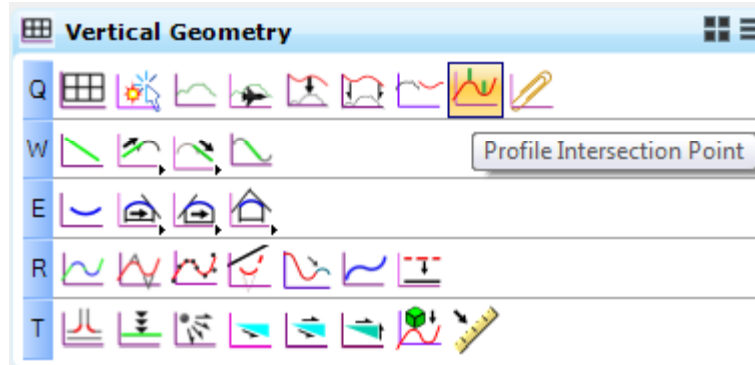
		Station	Elevation
Element: Linear			
	POB	R1 700+00.00	35.24
	PVC	R1 707+07.30	31.90
	Tangent Grade:	-0.4723%	
	Tangent Length:	707.301556	
Element: Symmetrical Parabola			
	PVC	R1 707+07.30	31.90
	PVI	R1 707+67.30	31.61
	PVT	R1 708+27.30	33.15
	VLOW	R1 707+26.00	31.85
	Length:	120.000000	



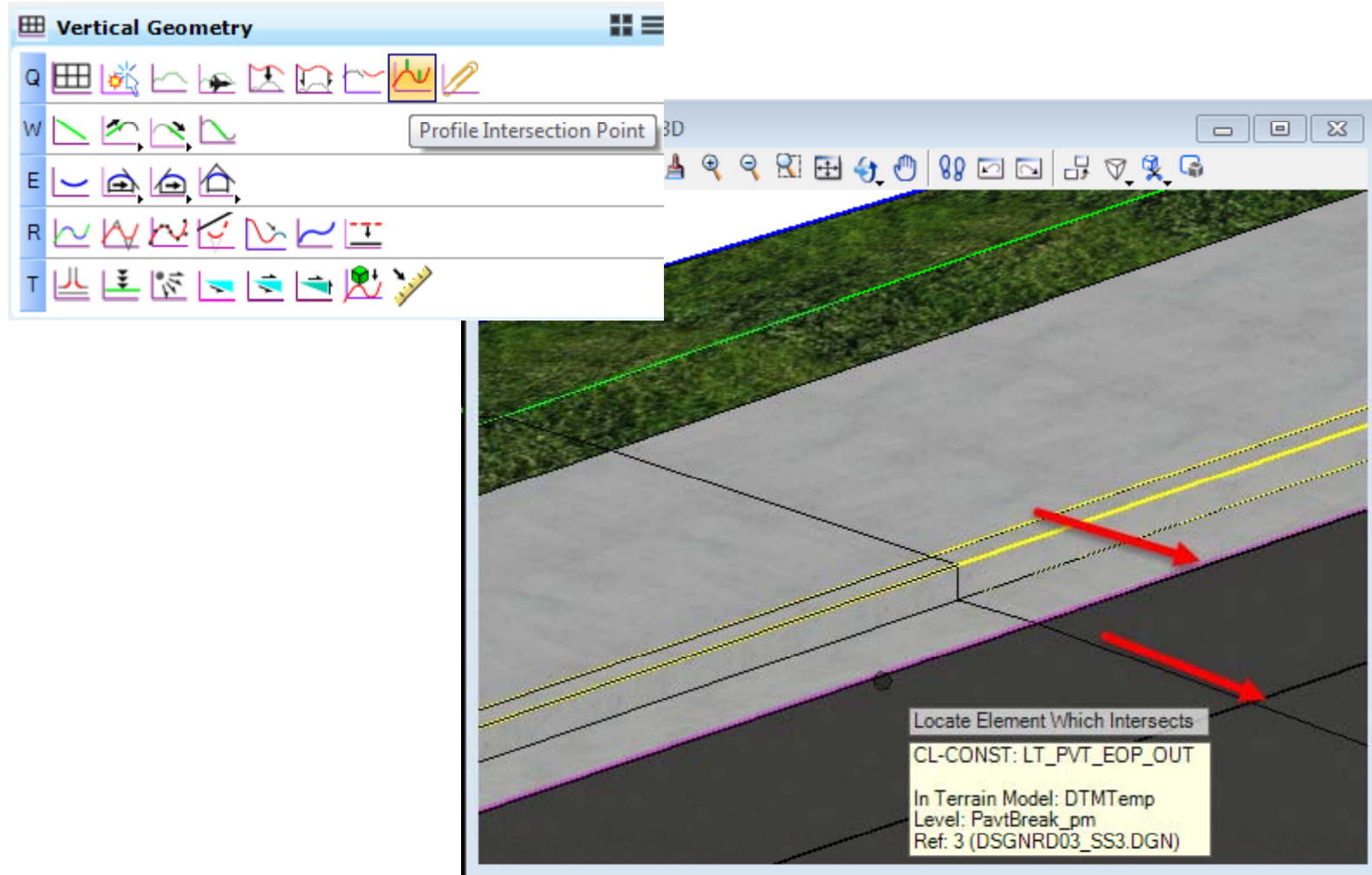
Construct Profiles



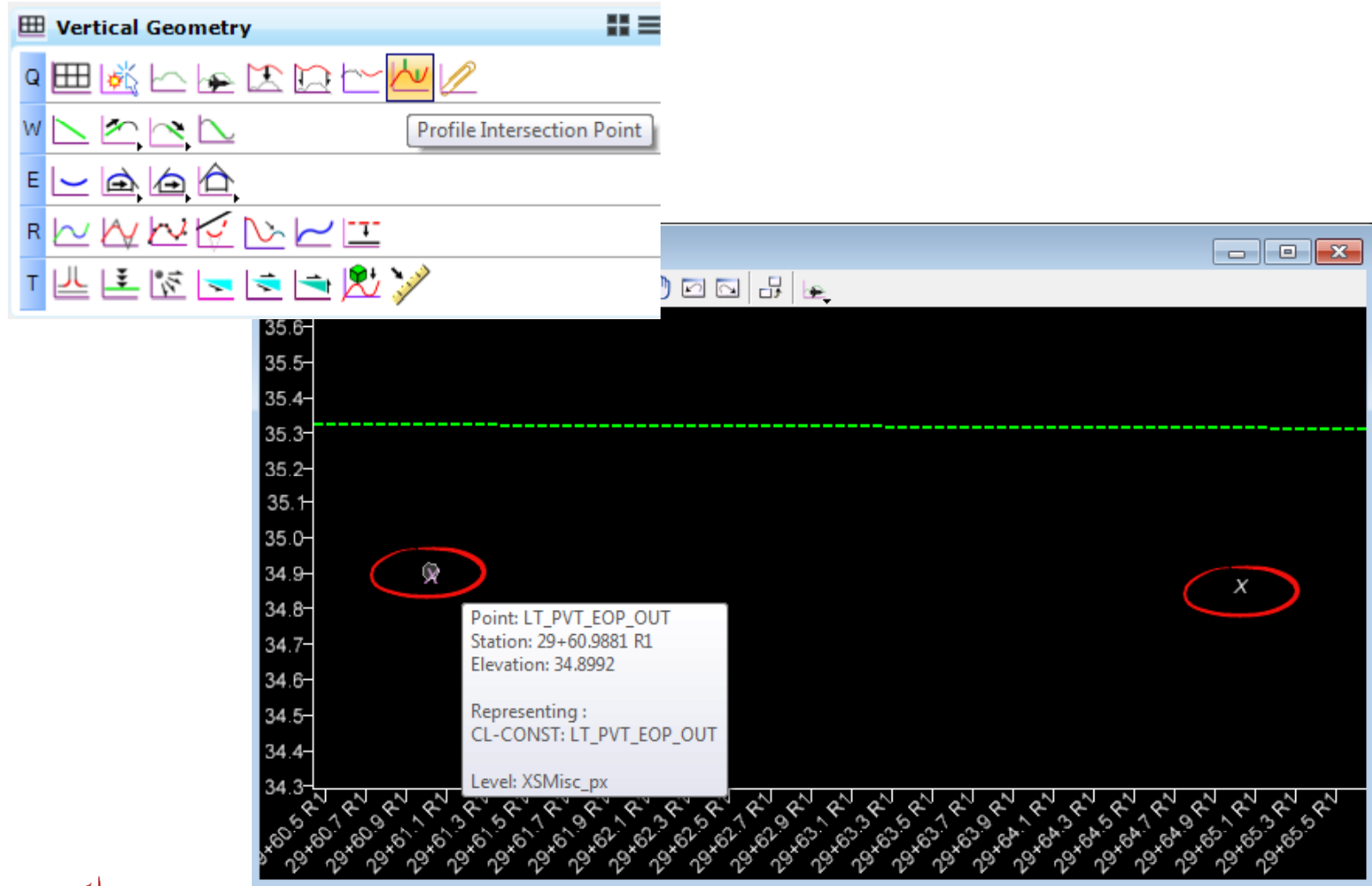
Intersecting Profiles



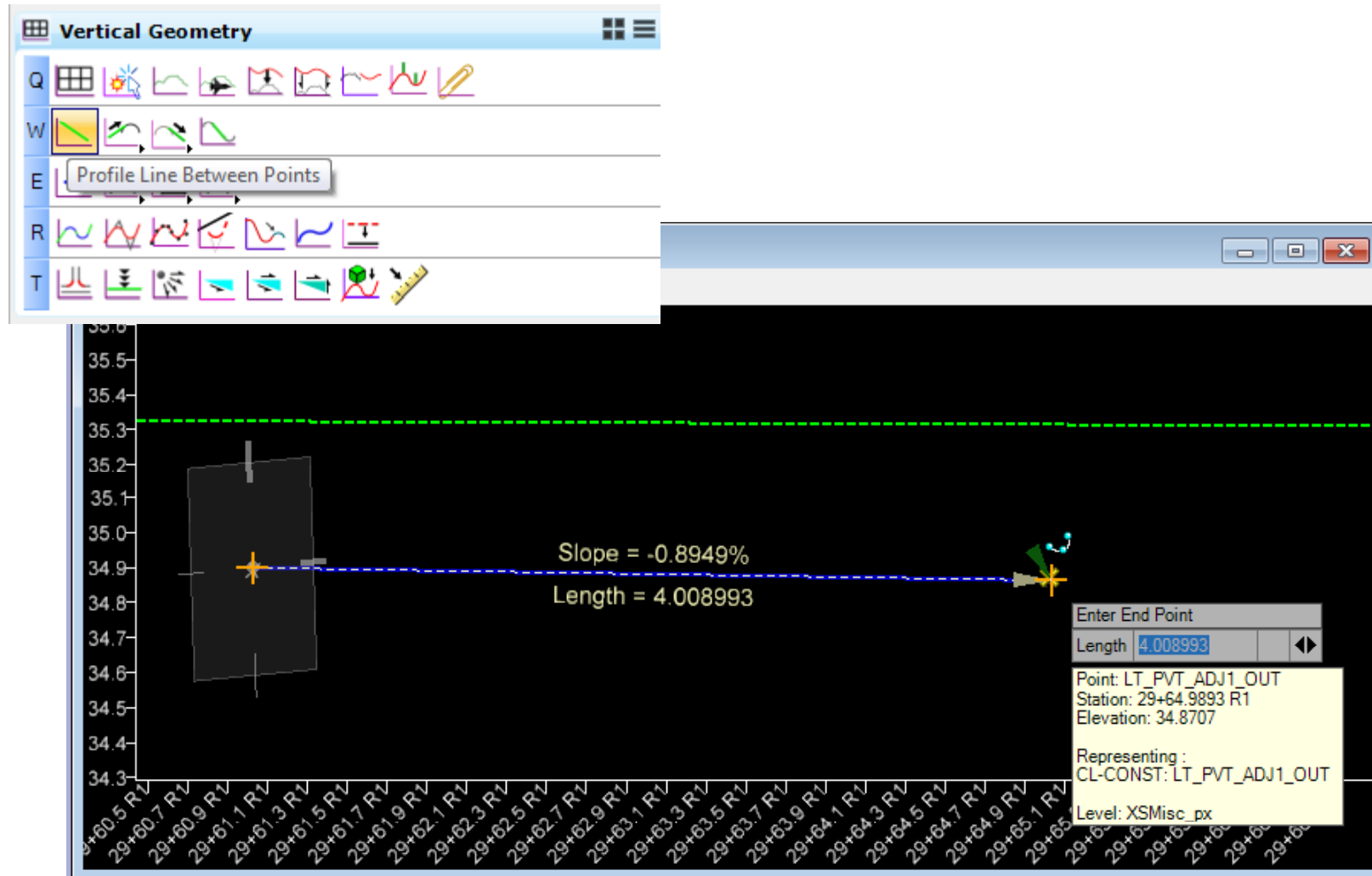
Intersecting Profiles



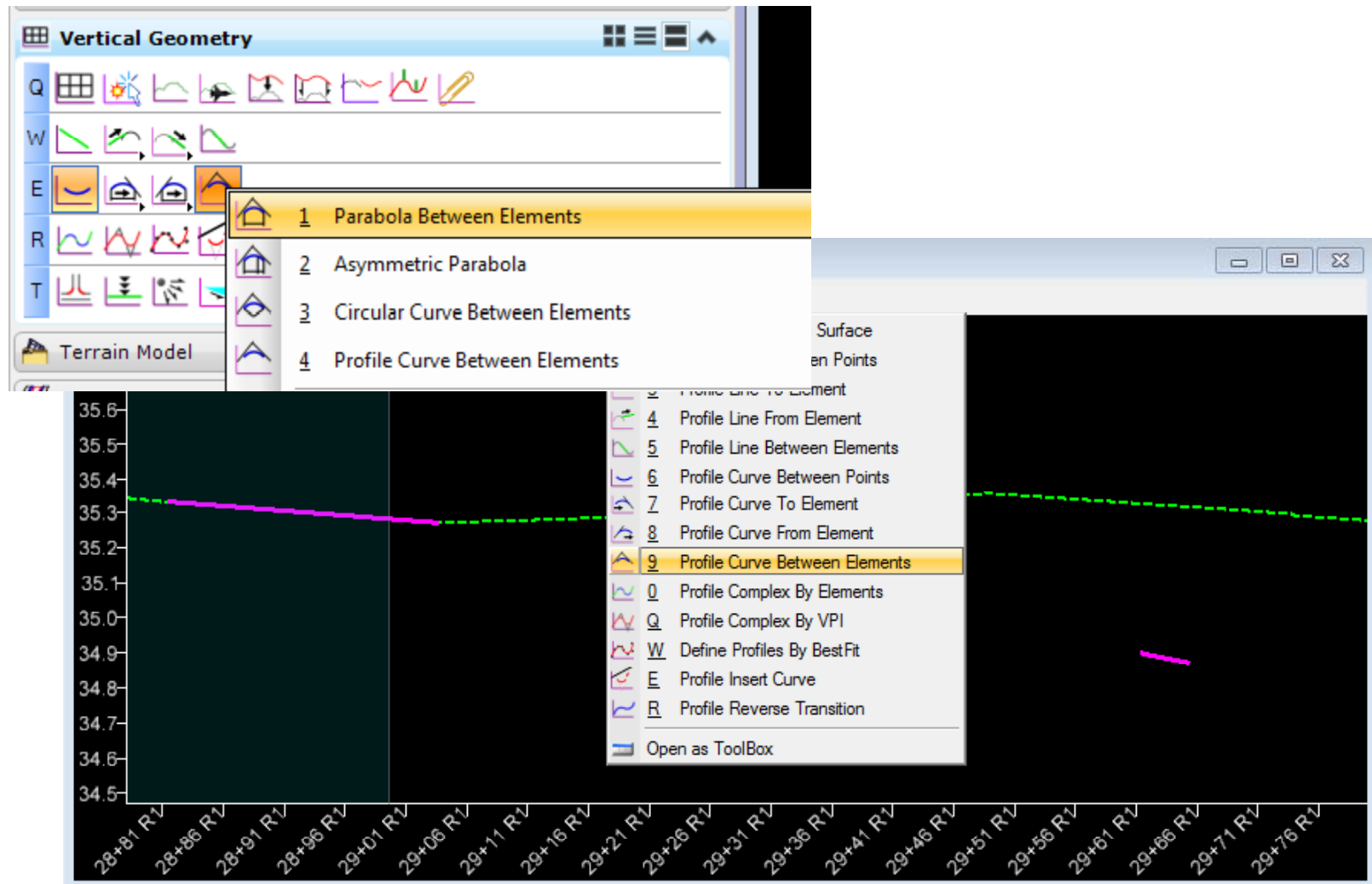
Intersecting Profiles



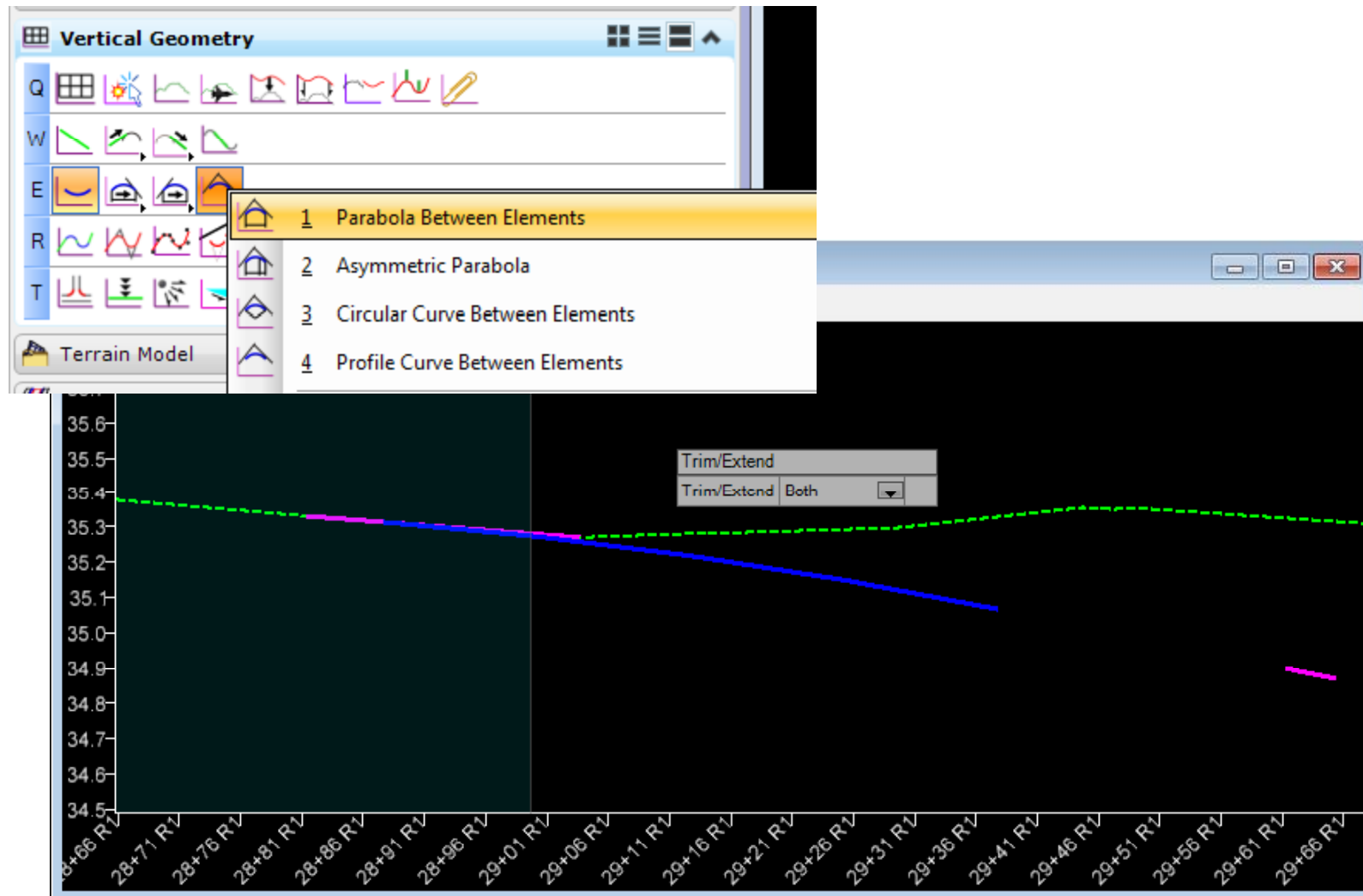
Intersecting Profiles



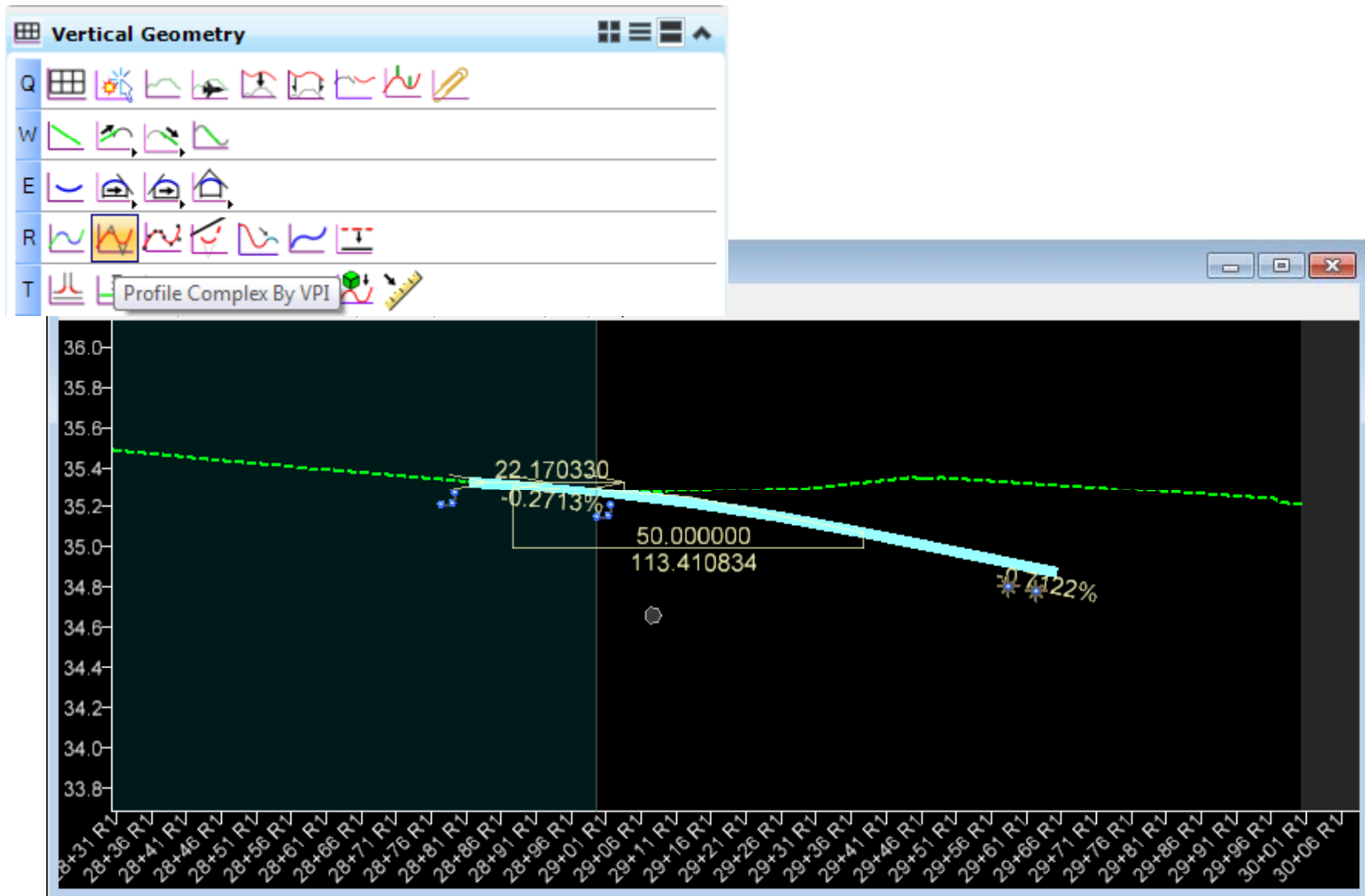
Intersecting Profiles



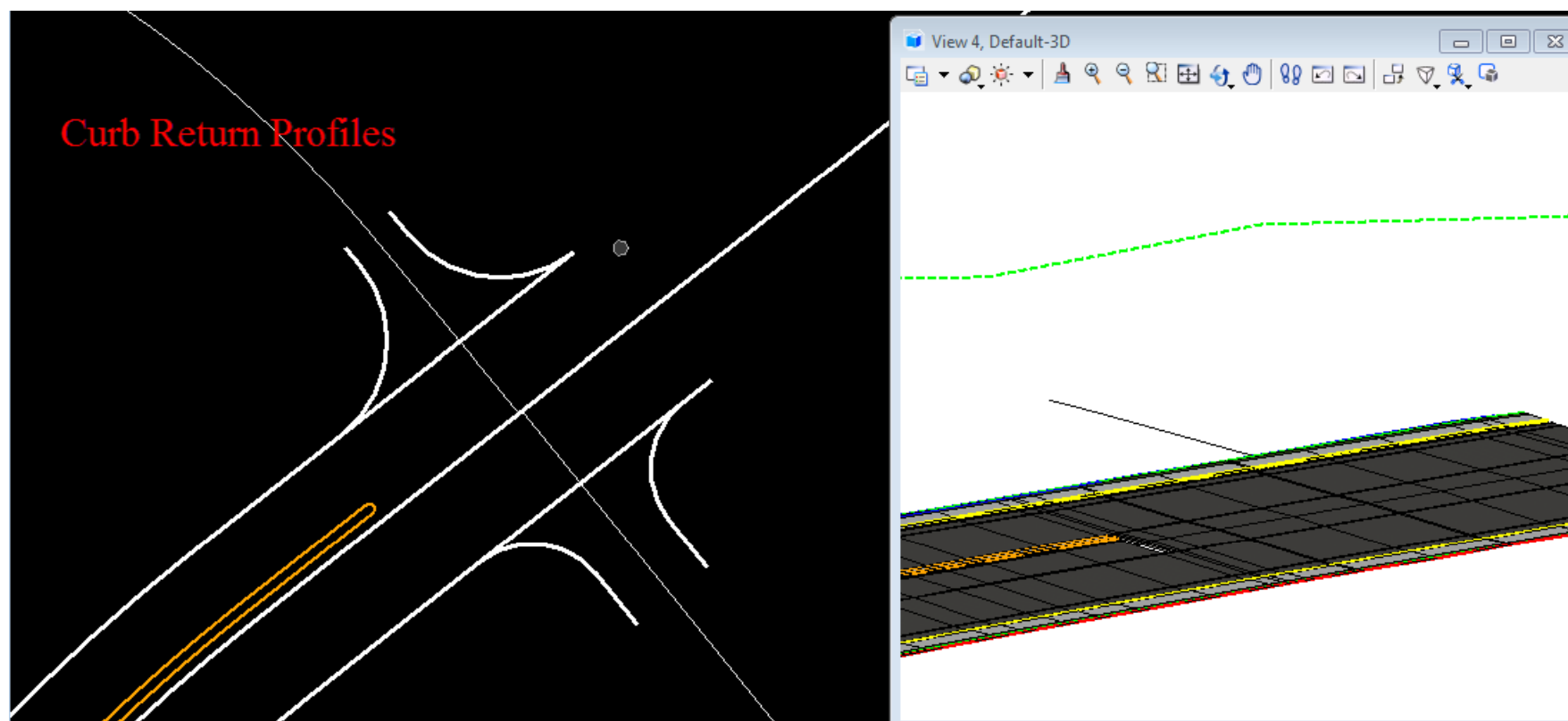
Intersecting Profiles



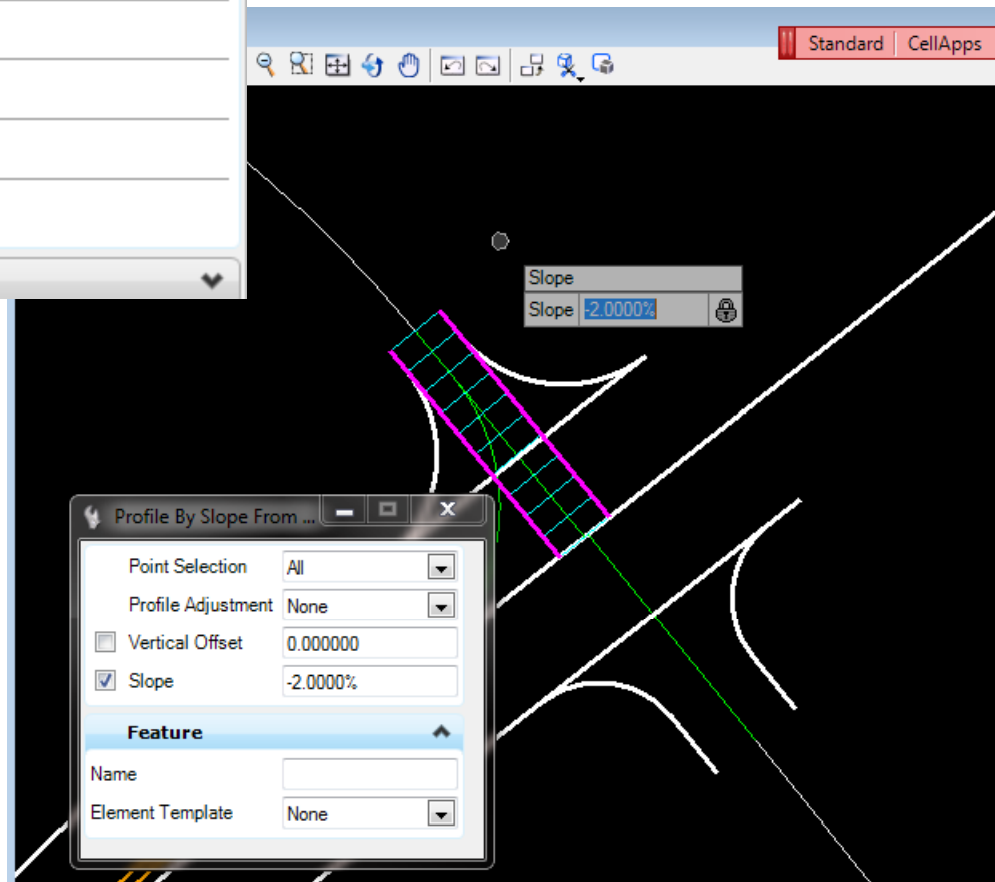
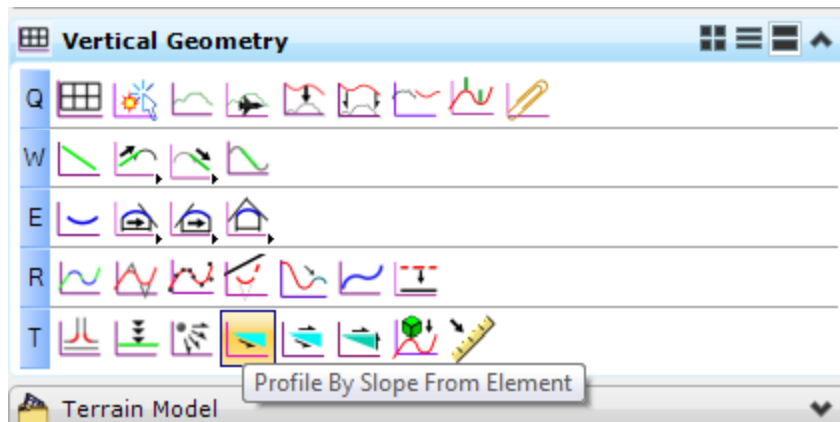
Intersecting Profiles



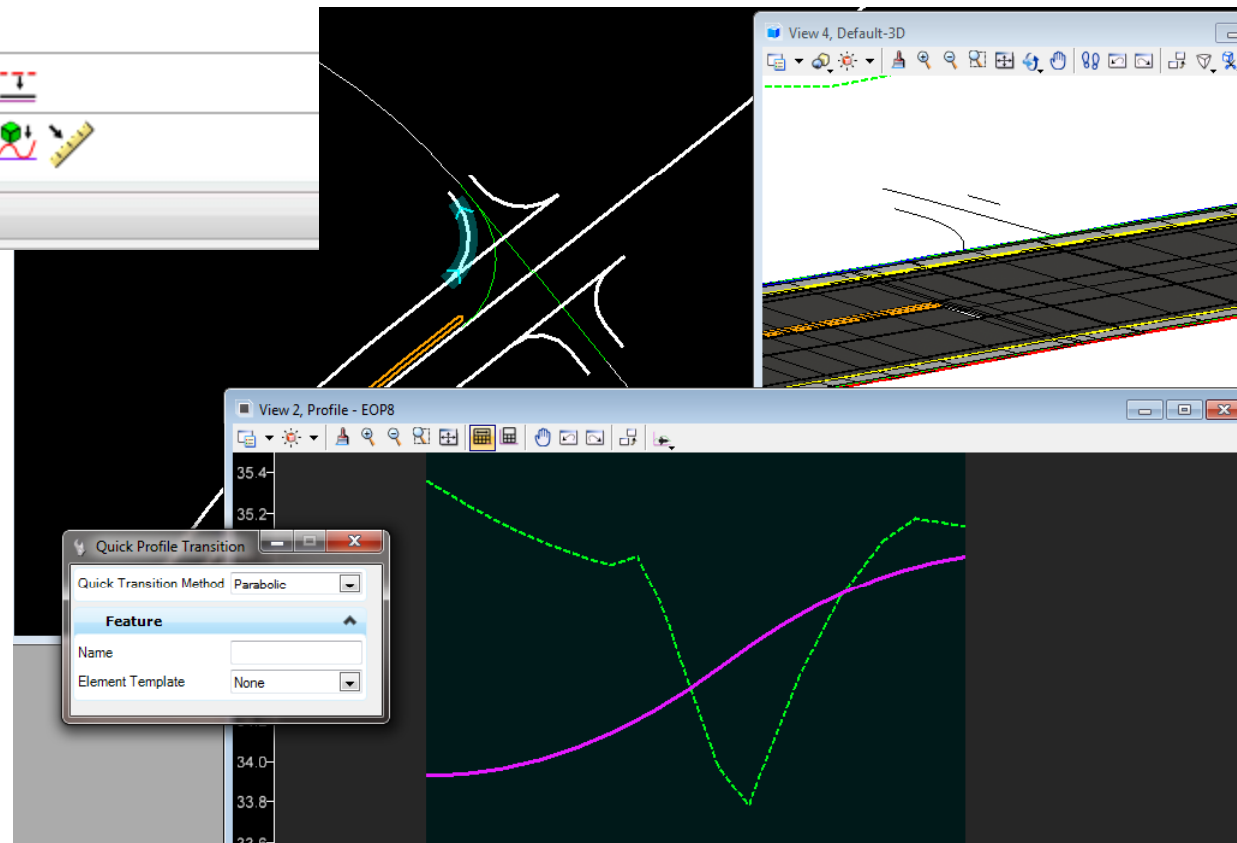
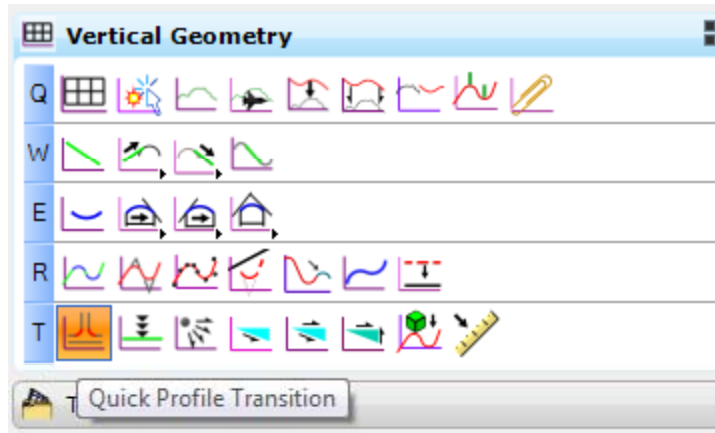
Construct Profiles



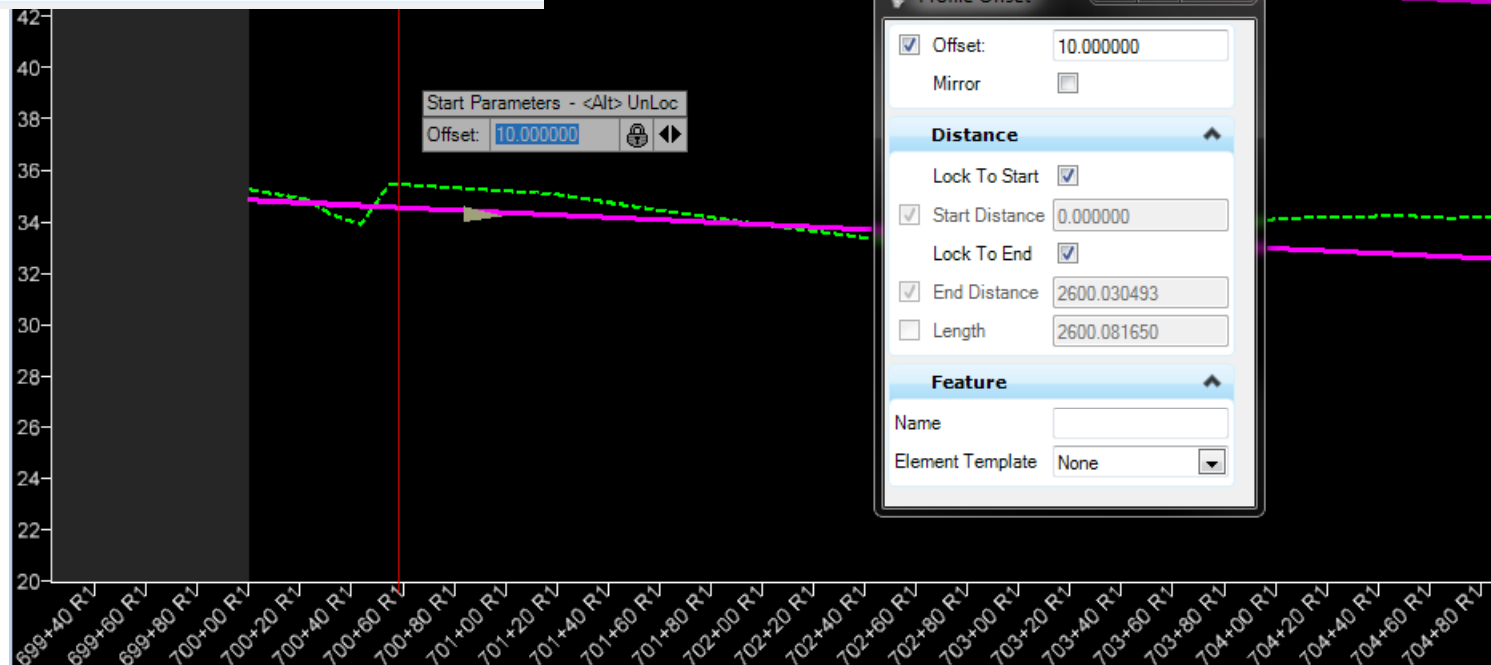
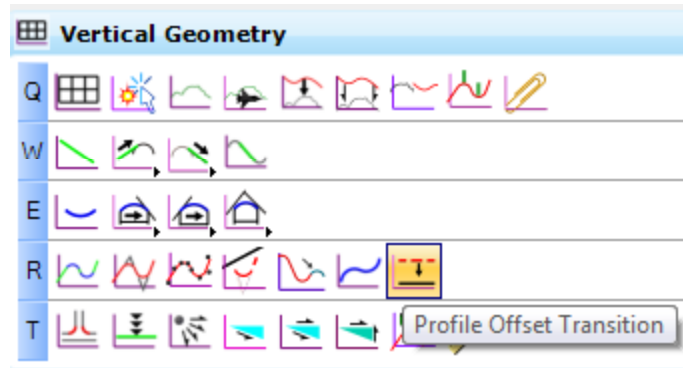
Construct Profiles



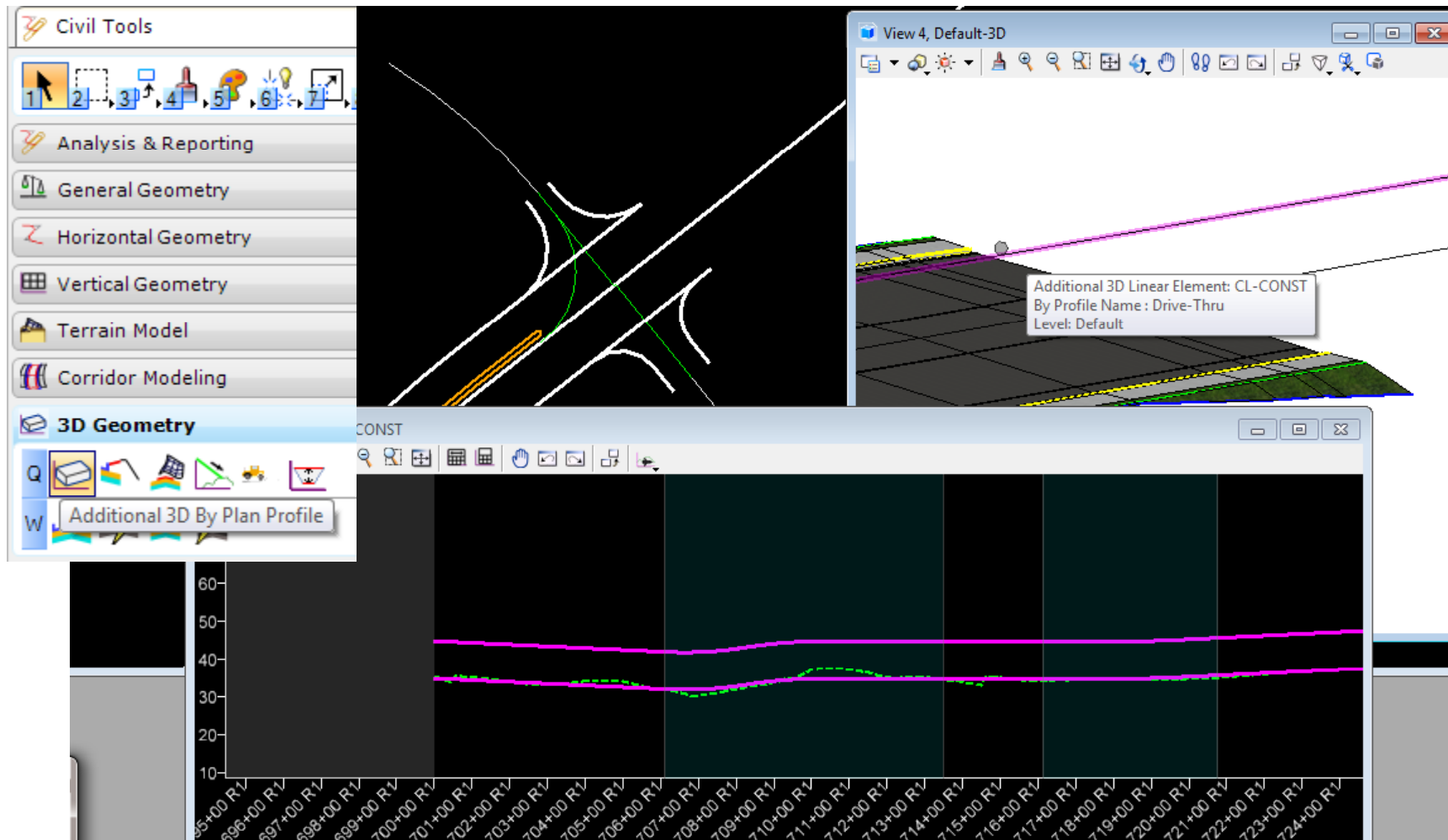
Construct Profiles



Profile by Offsets



Profile by Offsets



Contact Information

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