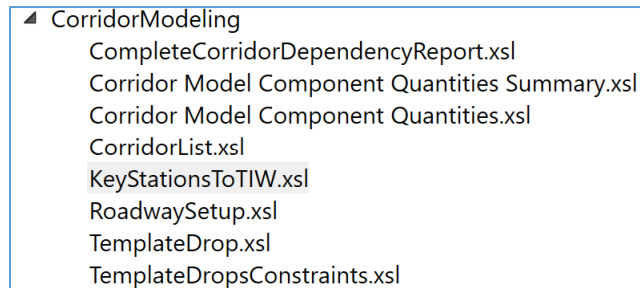


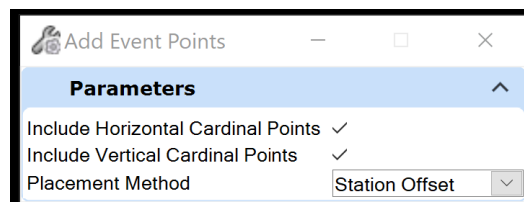
ORD Cross Section Workflow for Including Critical Section Locations

Create Event Points

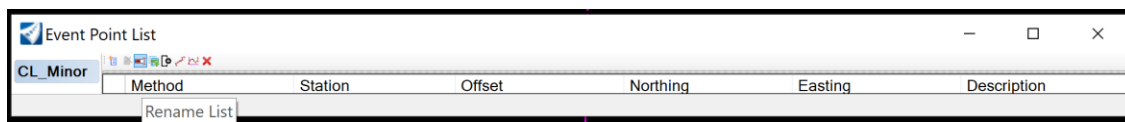
1. Open geometry file with the alignment used as a basis for cross sections
2. Attach reference for the corridor file(s) used with the alignment
3. From the Corridor tab of the OpenRoads Modeling workflow:
 - a. Review > Corridor Reports > Design Input Report
 - b. Select corridor
 - c. Select “Roadway Setup” report and save to desired format



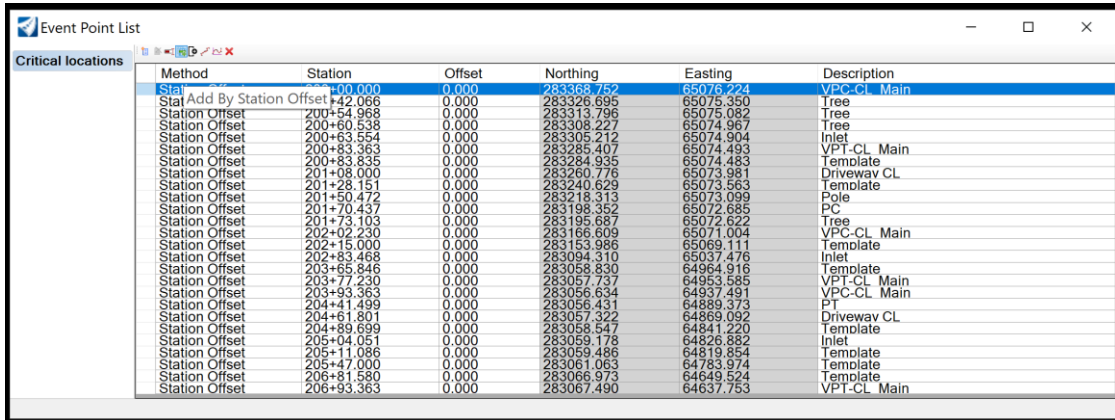
4. From the Geometry tab of the OpenRoads Modeling workflow:
 - a. Common Tools > Event Point List
 - b. Following the prompts:
 - i. Select alignment
 - ii. Include horizontal cardinal points – Yes (optional)
 - iii. Include vertical cardinal points – Yes
 - iv. Placement Method – Station Offset



5. From Event Point List dialog box, select “Rename List” and change to “Critical locations”



- From Event Point List dialog box, select “Add By Station Offset”
- Copy/Paste from Roadway Setup report to add desired key stations and template drops for cross sections

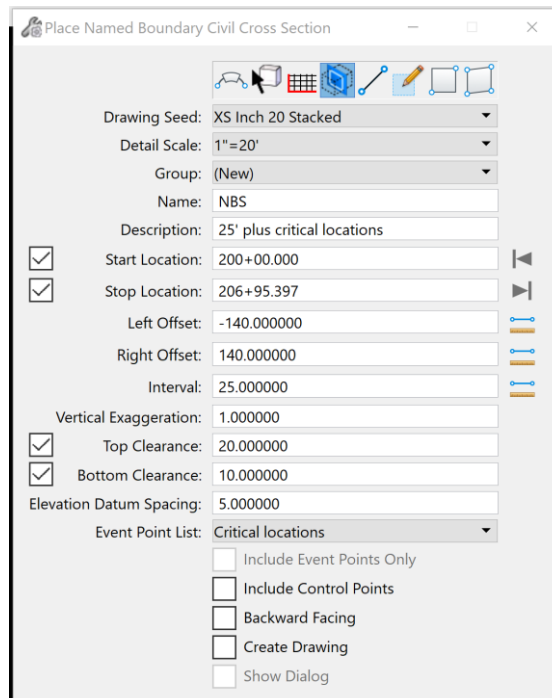


Method	Station	Offset	Northing	Easting	Description
Start	200+00.000	0.000	283323.752	65076.924	VPT-CL Main
Station Add By Station Offset	200+42.066	0.000	283326.695	65075.350	Tree
Station Offset	200+54.968	0.000	283313.796	65075.082	Tree
Station Offset	200+60.538	0.000	283308.227	65074.967	Tree
Station Offset	200+63.554	0.000	283305.212	65074.904	Inlet
Station Offset	200+83.363	0.000	283285.407	65074.493	VPT-CL Main
Station Offset	200+83.835	0.000	283284.935	65074.483	Template
Station Offset	201+08.000	0.000	283260.776	65073.981	Driveway CL
Station Offset	201+28.151	0.000	283240.829	65073.563	Template
Station Offset	201+50.472	0.000	283218.313	65073.099	Pole
Station Offset	201+70.437	0.000	283198.352	65072.685	PC
Station Offset	201+73.103	0.000	283195.687	65072.622	Tree
Station Offset	202+02.230	0.000	283166.609	65071.004	VPC-CL Main
Station Offset	202+15.000	0.000	283153.986	65069.111	Template
Station Offset	202+83.468	0.000	283094.310	65037.476	Inlet
Station Offset	203+65.846	0.000	283058.830	64964.916	Template
Station Offset	203+77.230	0.000	283057.737	64963.585	VPT-CL Main
Station Offset	203+93.363	0.000	283056.634	64937.491	VPC-CL Main
Station Offset	204+41.499	0.000	283056.431	64889.373	PT
Station Offset	204+61.801	0.000	283057.322	64869.092	Driveway CL
Station Offset	204+89.699	0.000	283058.547	64841.220	Template
Station Offset	205+04.051	0.000	283059.178	64826.882	Inlet
Station Offset	205+11.086	0.000	283059.486	64819.854	Template
Station Offset	205+47.000	0.000	283061.063	64783.974	Template
Station Offset	205+81.580	0.000	283066.973	64649.524	Template
Station Offset	206+93.363	0.000	283067.490	64637.753	VPT-CL Main

- Adjust station/offset values if necessary and add descriptions to list if desired
- Close dialog box and detach corridor reference file(s)

Create Cross Sections

- Follow EAST [EBids cross section workflow](#)
- Select “Critical locations” from the Event Point List pulldown menu on the “Placed Named Boundary Civil Cross Section” dialog box
- Toggle on “Include Control Points” if the horizontal control points were not previously added to the event point list, otherwise leave toggled off



Place Named Boundary Civil Cross Section

Drawing Seed: XS Inch 20 Stacked

Detail Scale: 1"=20'

Group: (New)

Name: NBS

Description: 25' plus critical locations

☒ Start Location: 200+00.000

☒ Stop Location: 206+95.397

Left Offset: -140.000000

Right Offset: 140.000000

Interval: 25.000000

Vertical Exaggeration: 1.000000

☒ Top Clearance: 20.000000

☒ Bottom Clearance: 10.000000

Elevation Datum Spacing: 5.000000

Event Point List: Critical locations

☐ Include Event Points Only

☐ Include Control Points

☐ Backward Facing

☐ Create Drawing

☐ Show Dialog