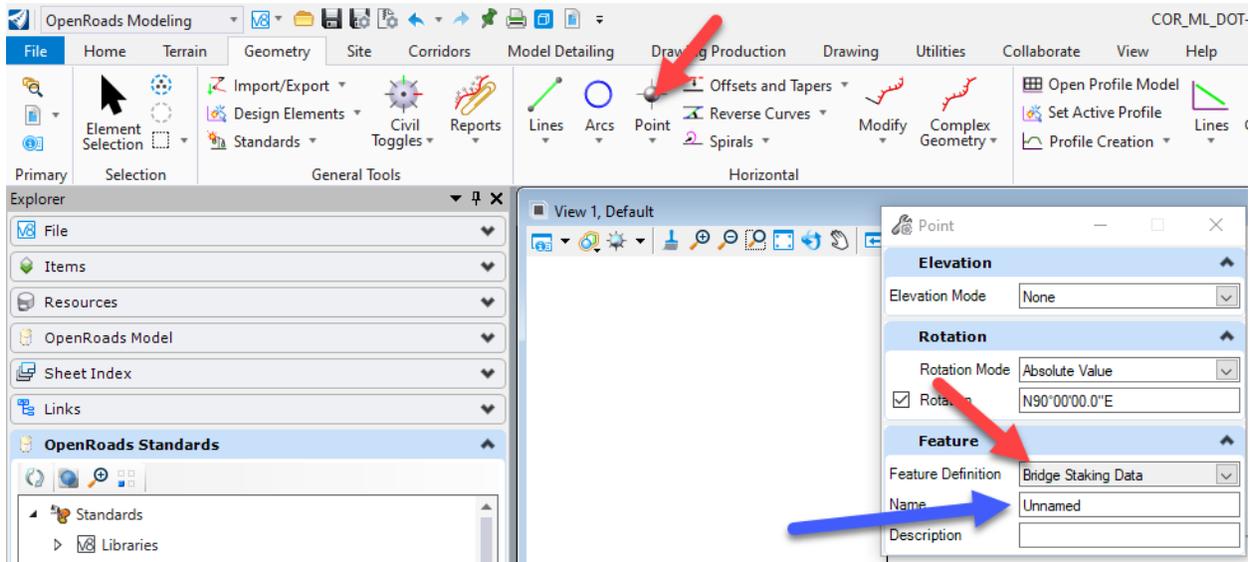


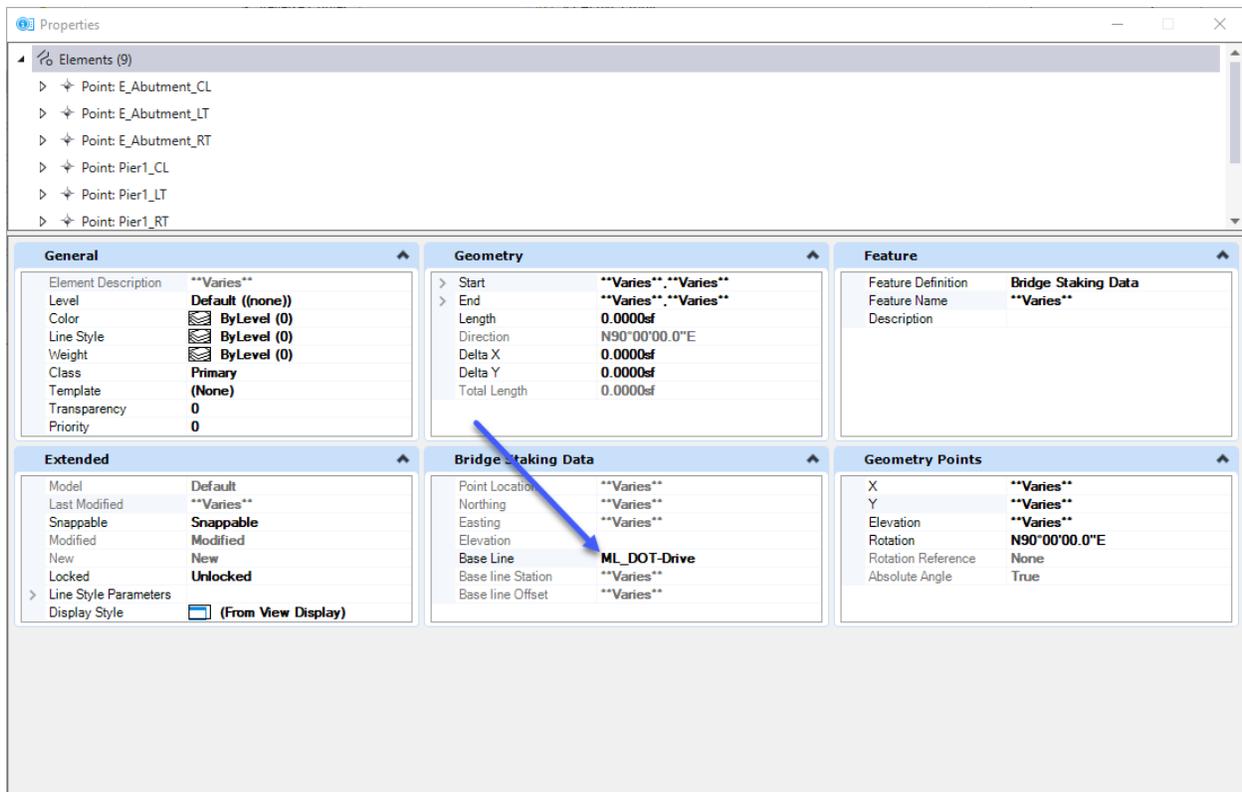
# Automated Bridge Staking report

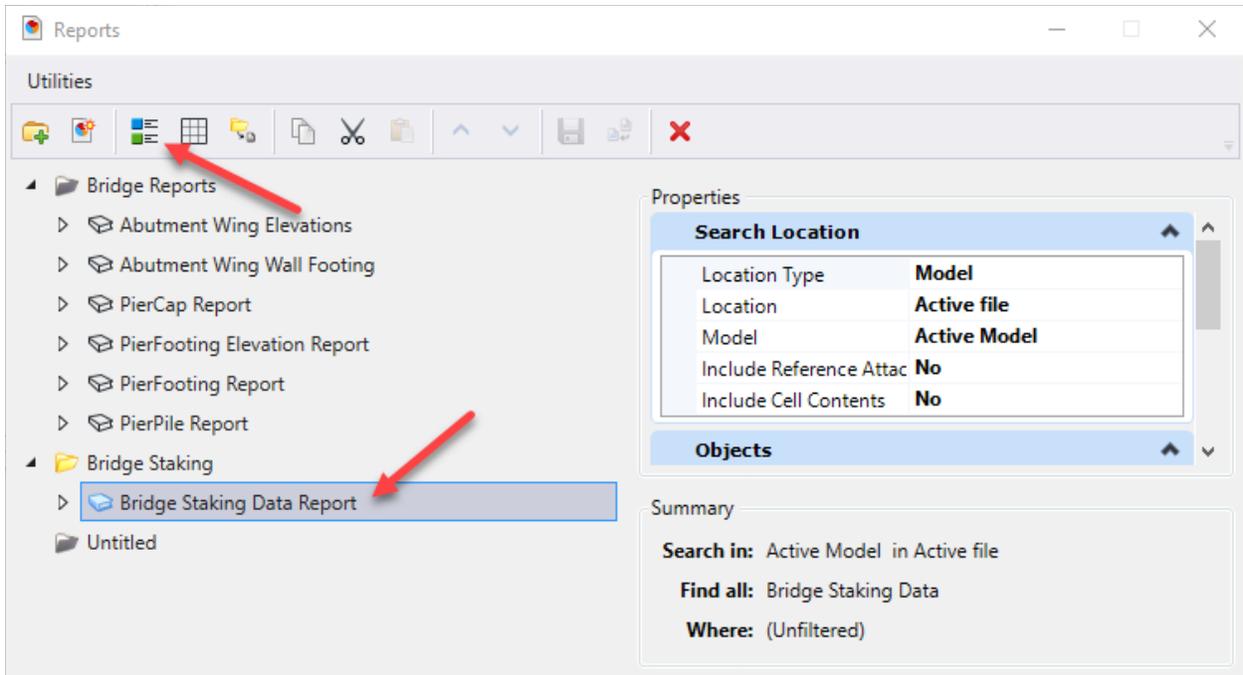
Place a Civil Point on the Feature Definition: **Bridge Staking Data**



The name of the feature is used to populate the point location in the report. Set it to be the location (i.e. Pier1\_CL)

Select all the points placed with this feature. Then type in the name of the base line chain.



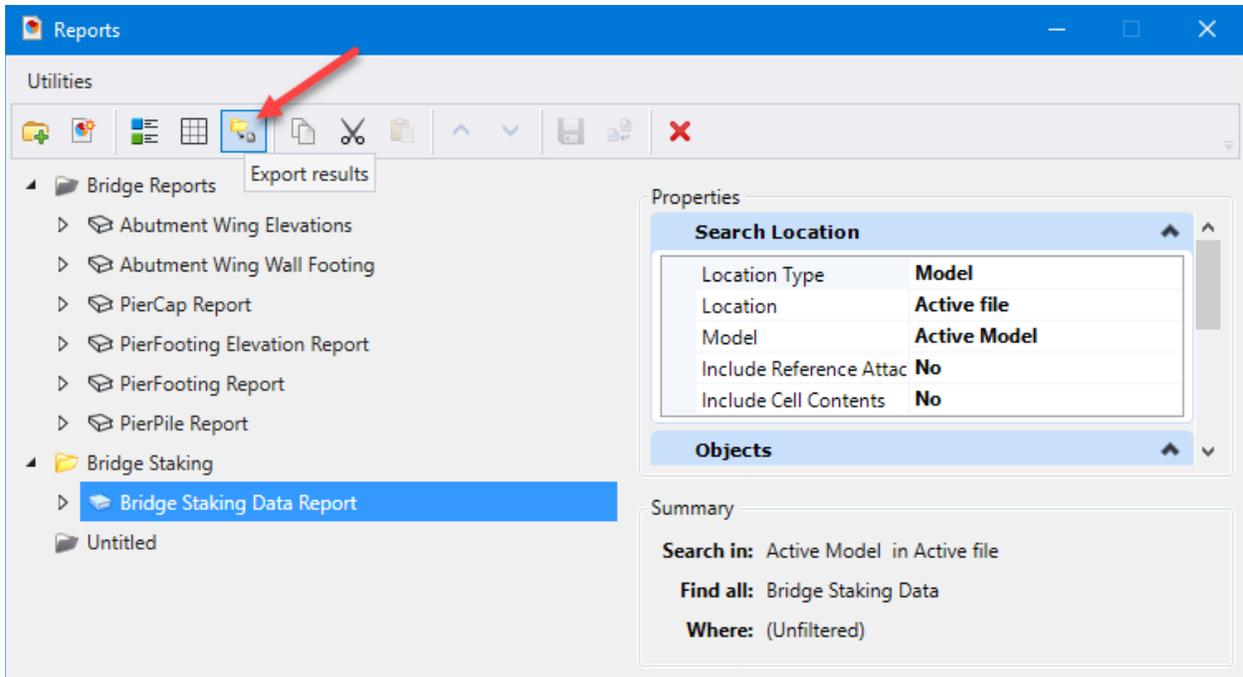


The report finds all elements in the file that have the Item Type Bridge Staking Data.

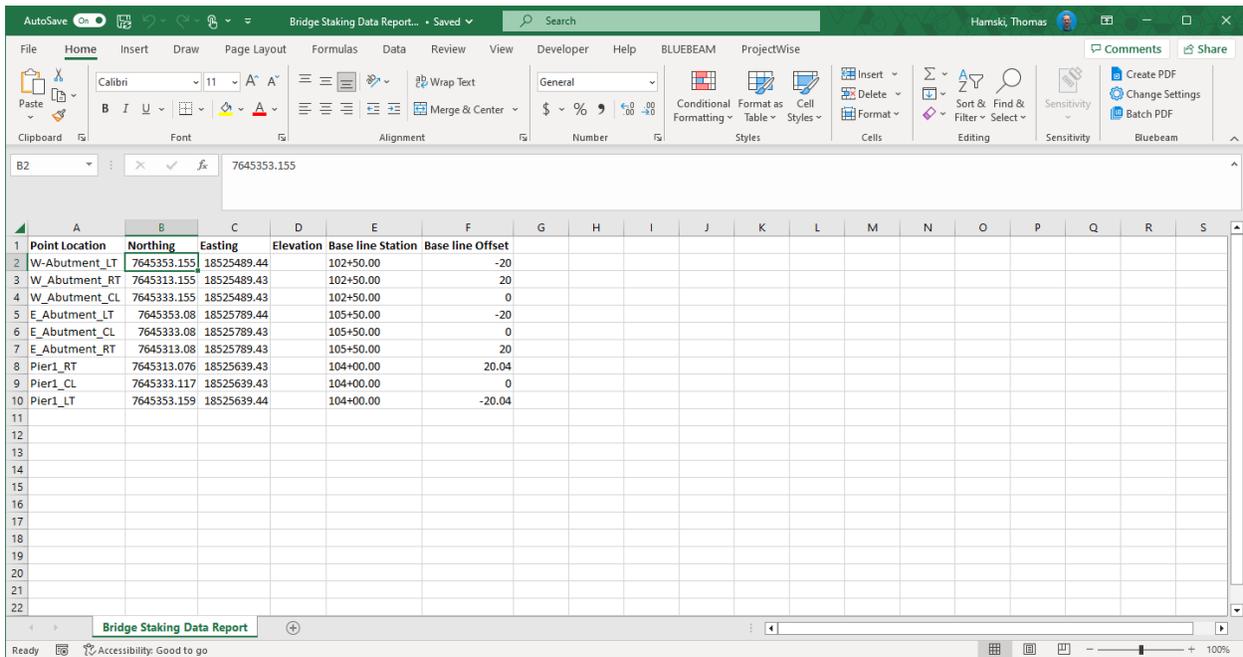
This is the report preview.

The screenshot shows the 'Bridge Staking Data Report' preview window. At the top, it indicates 'Total Results: 9'. Below this is a table with the following data:

Point Location	Northing	Easting	Elevation	Base line Station	Base line Offset
W-Abutment_LT	7645353.155	18525489.436		102+50.00	-20.00
W_Abutment_RT	7645313.155	18525489.426		102+50.00	20.00
W_Abutment_CL	7645333.155	18525489.431		102+50.00	.00
E_Abutment_LT	7645353.080	18525789.436		105+50.00	-20.00
E_Abutment_CL	7645333.080	18525789.431		105+50.00	.00
E_Abutment_RT	7645313.080	18525789.426		105+50.00	20.00
Pier1_RT	7645313.076	18525639.426		104+00.00	20.04
Pier1_CL	7645333.117	18525639.431		104+00.00	.00
Pier1_LT	7645353.159	18525639.436		104+00.00	-20.04

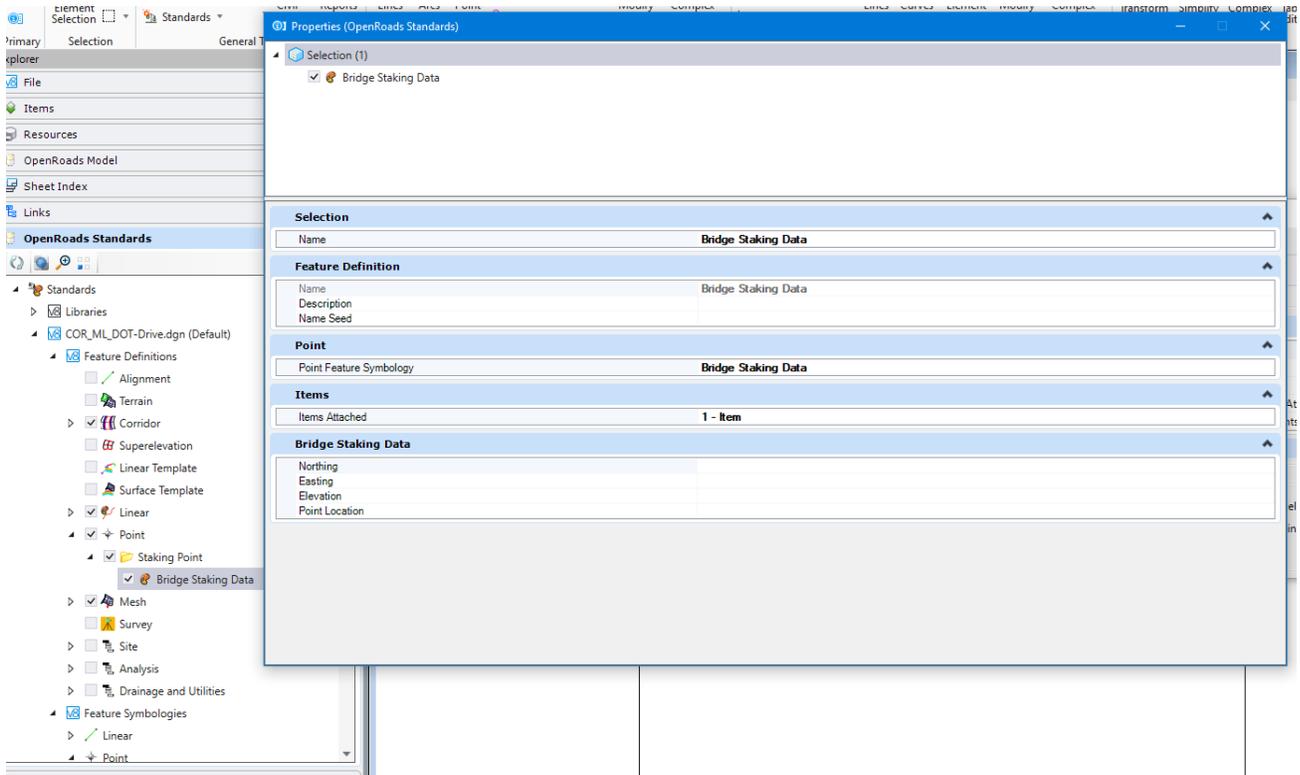


Save the exported report results to Excel:

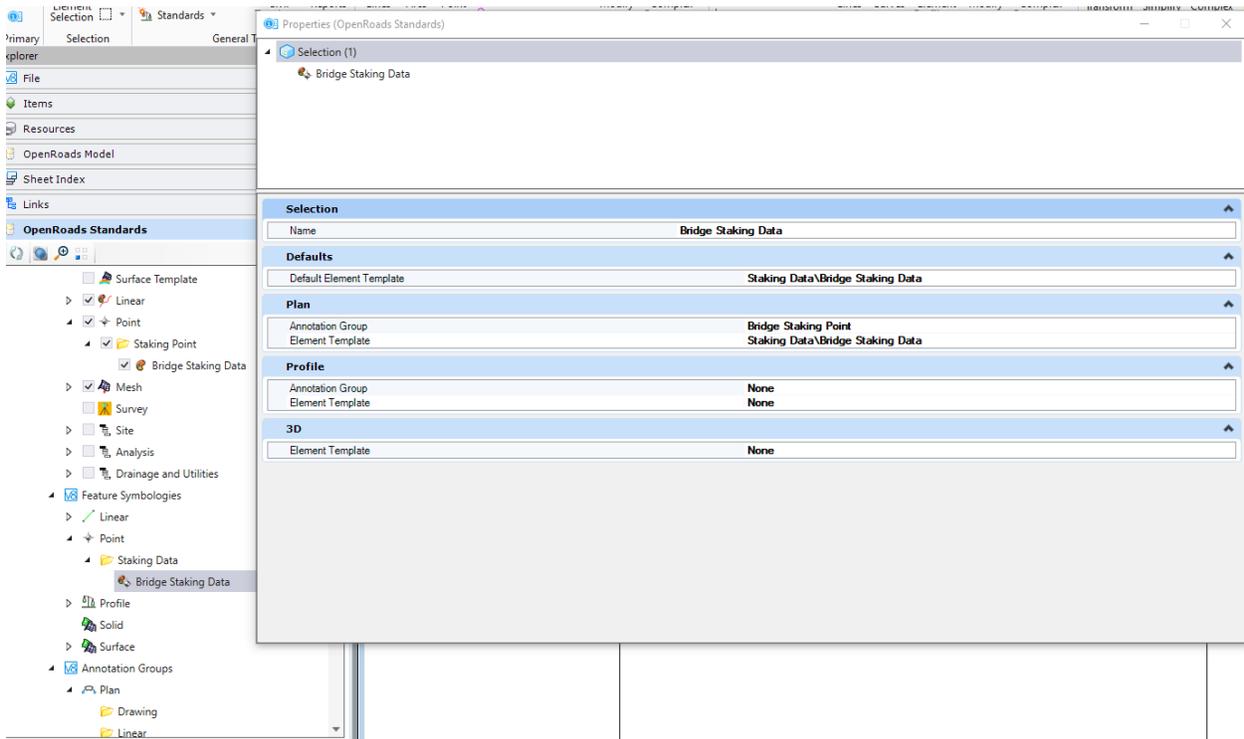


Configuration consisted of the following:

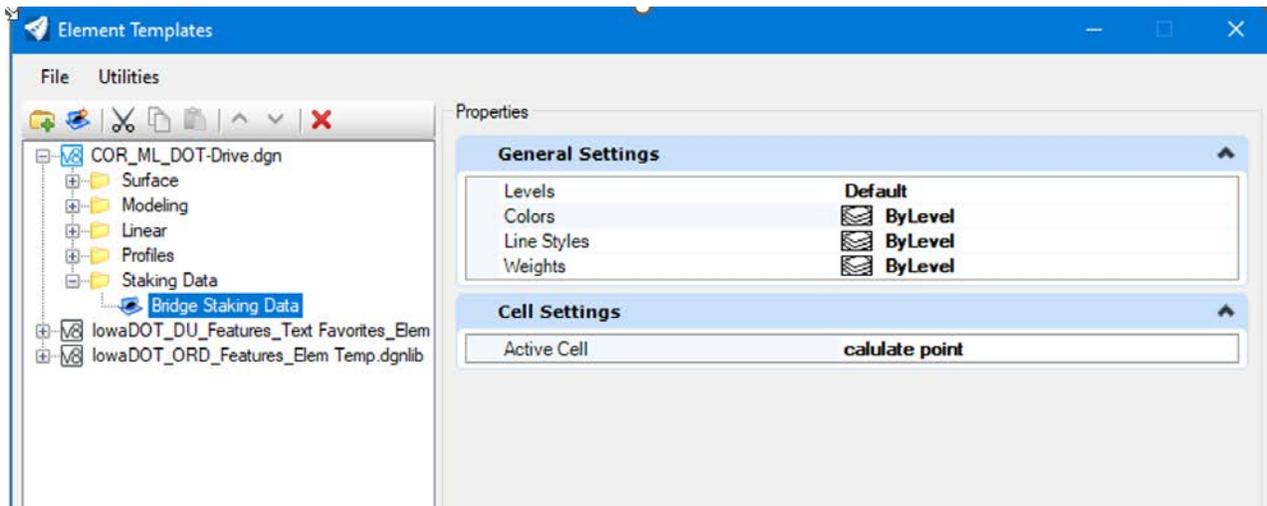
Created Point Feature Definition with Item Type for staking data attached.



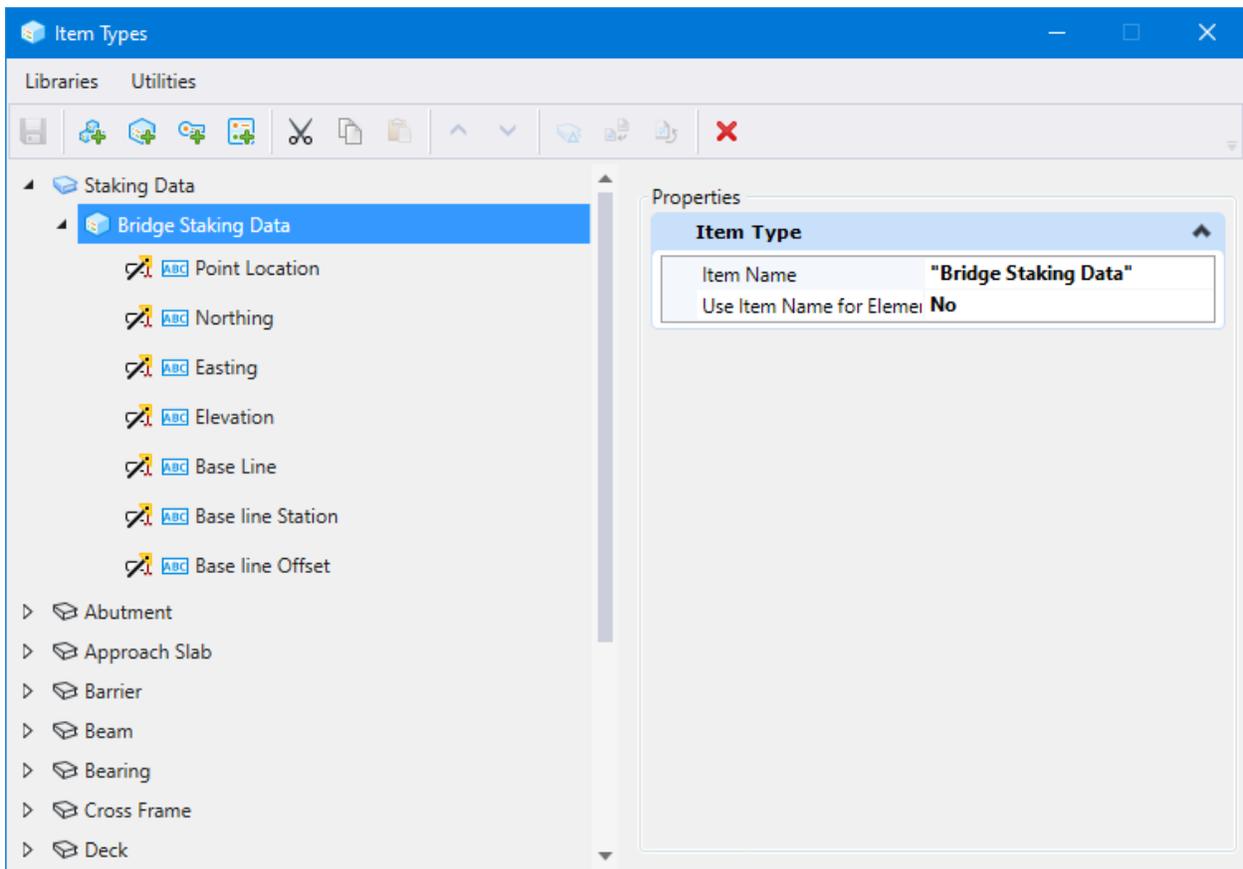
Corresponding Feature Symbology:



Corresponding Element Template:



Item Type:



Report:

The screenshot shows the 'Reports' utility window with a toolbar and a tree view on the left. The tree view is expanded to show 'Bridge Staking' > 'Bridge Staking Data Report' > 'Columns'. The 'Columns' list includes: Point Location, Northing, Easting, Elevation, Base line Station, and Base line Offset. Below the columns are 'Sorting Rules', 'Groups & Aggregates', and 'Summarize'. An 'Untitled' report is also visible at the bottom of the tree.

The 'Properties' panel on the right is divided into four sections:

- Search Location**

Location Type	Model
Location	Active file
Model	Active Model
Include Reference Attach	No
Include Cell Contents	No
- Objects**

Show	Active File
Selected	Bridge Staking Data
Filtered By	(Unfiltered)
- Selection**

Selection Type	All
----------------	-----
- Summarize**

Summary row	Show
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The 'Summary' section at the bottom of the Properties panel displays:

- Search in:** Active Model in Active file
- Find all:** Bridge Staking Data
- Where:** (Unfiltered)