

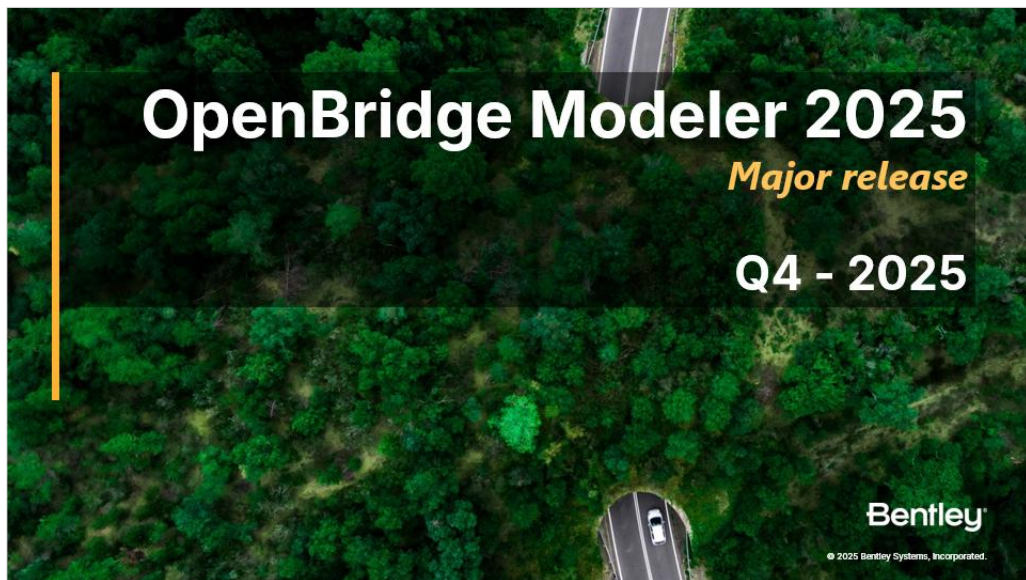
# What's New in OpenBridge 2025

Steve Willoughby, Bridge Services Manager



**Bentley®**







An aerial photograph of a winding asphalt road cutting through a dense, lush green forest. The road has white lane markings. In the lower portion of the image, a white car is visible driving on the road. The overall scene is a high-angle shot looking down at the road and the surrounding trees.

# OpenBridge Modeler 2025

*Major release*

Q4 - 2025

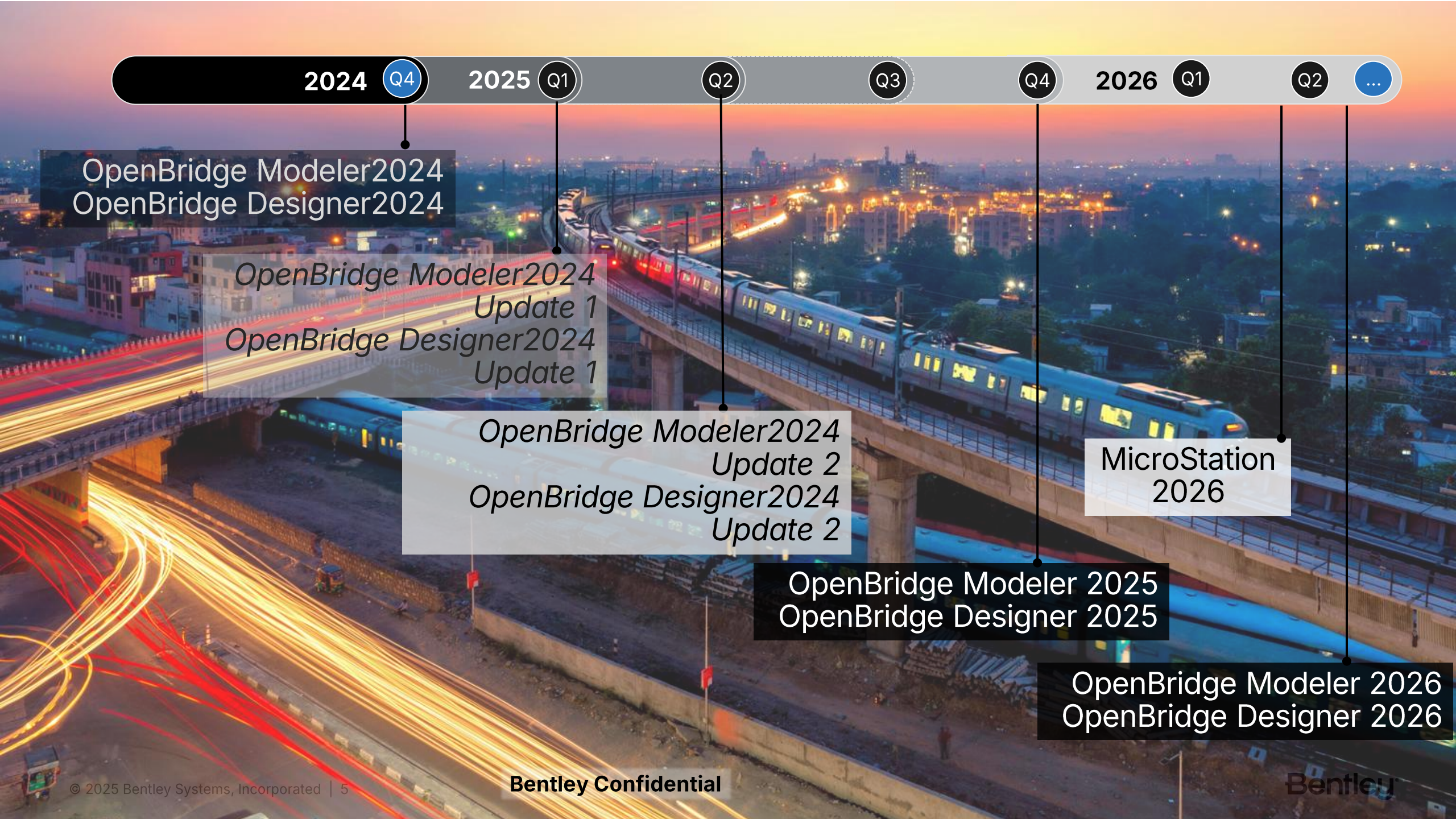
**Bentley®**

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# Disclaimer

*"Release plans and timelines are forward-looking estimates and projections only. There can be no assurance that Bentley will be able to meet such estimates or projections by the dates specified, or at all. Do not make purchase decisions based on forward looking roadmaps."*





2024

Q4

2025

Q1

Q2

Q3

Q4

2026

Q1

Q2

...

OpenBridge Modeler2024  
OpenBridge Designer2024

*OpenBridge Modeler2024  
Update 1  
OpenBridge Designer2024  
Update 1*

*OpenBridge Modeler2024  
Update 2  
OpenBridge Designer2024  
Update 2*

OpenBridge Modeler 2025  
OpenBridge Designer 2025

MicroStation  
2026

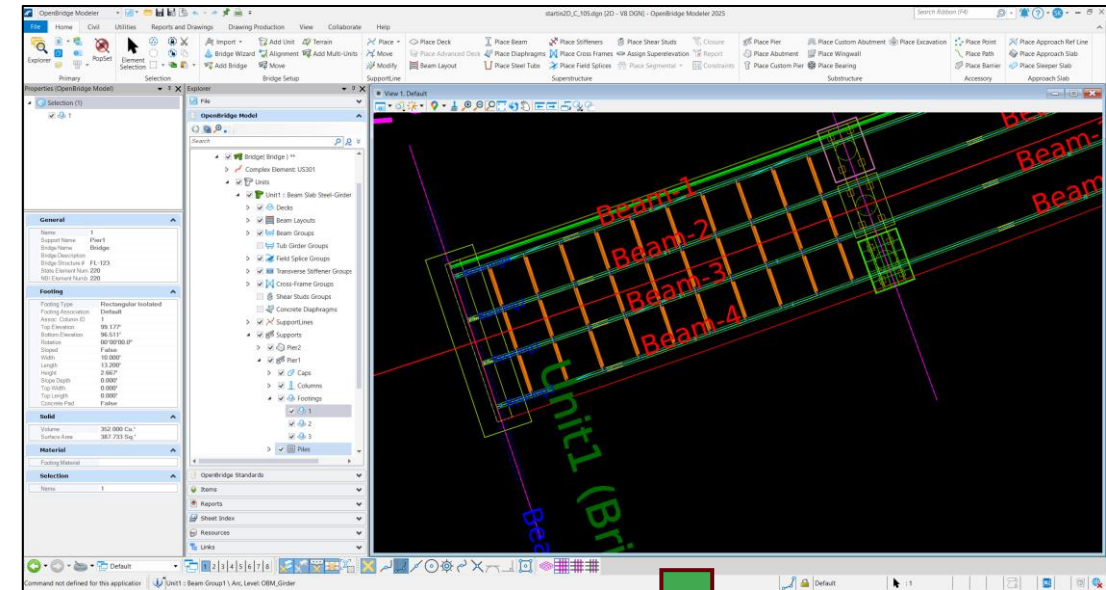
OpenBridge Modeler 2026  
OpenBridge Designer 2026



# Start in 2D Model

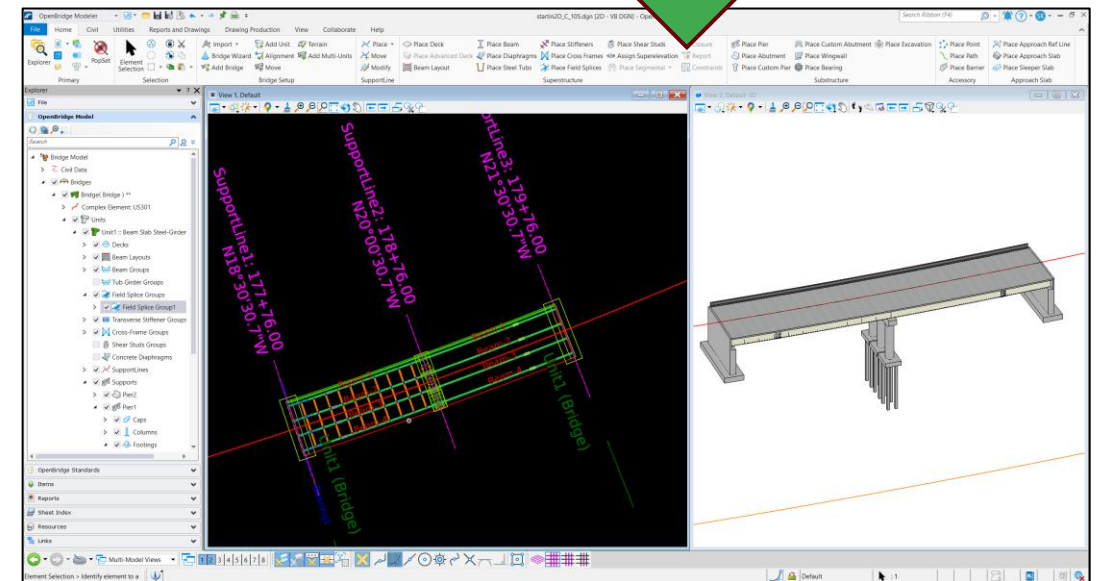
- OBM now allows initiating projects using a 2D seed file.
- This feature aligns with ORD workflows and responds to user requests for consistency across all Civil OpenX products.
- Users can design bridge models within a familiar 2D environment, with the 3D model generated within the same file as a secondary output, improving overall usability.

2D Model



2D Model

3D Model





# Start in 2D Model

2d seed file included

Edit OpenBridgeModeler.cfg (or add to your workspace/workset/personal .cfg)

Default-3D is automatically generated

The 2d lines allow user to access properties

Build bridge step by step - supported

Bridge Wizard - supported

ITwin export – supported



Reinforcing tools (ProConcrete) – only works in 3D

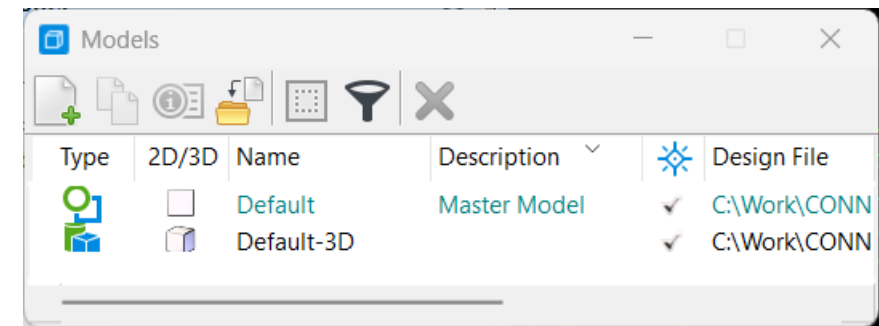
Drawings (substructure, bridge c/s) – only works in 3D

Changing Parametric cells variables – only works in 3D

GenerativeComponents – only works in 3D

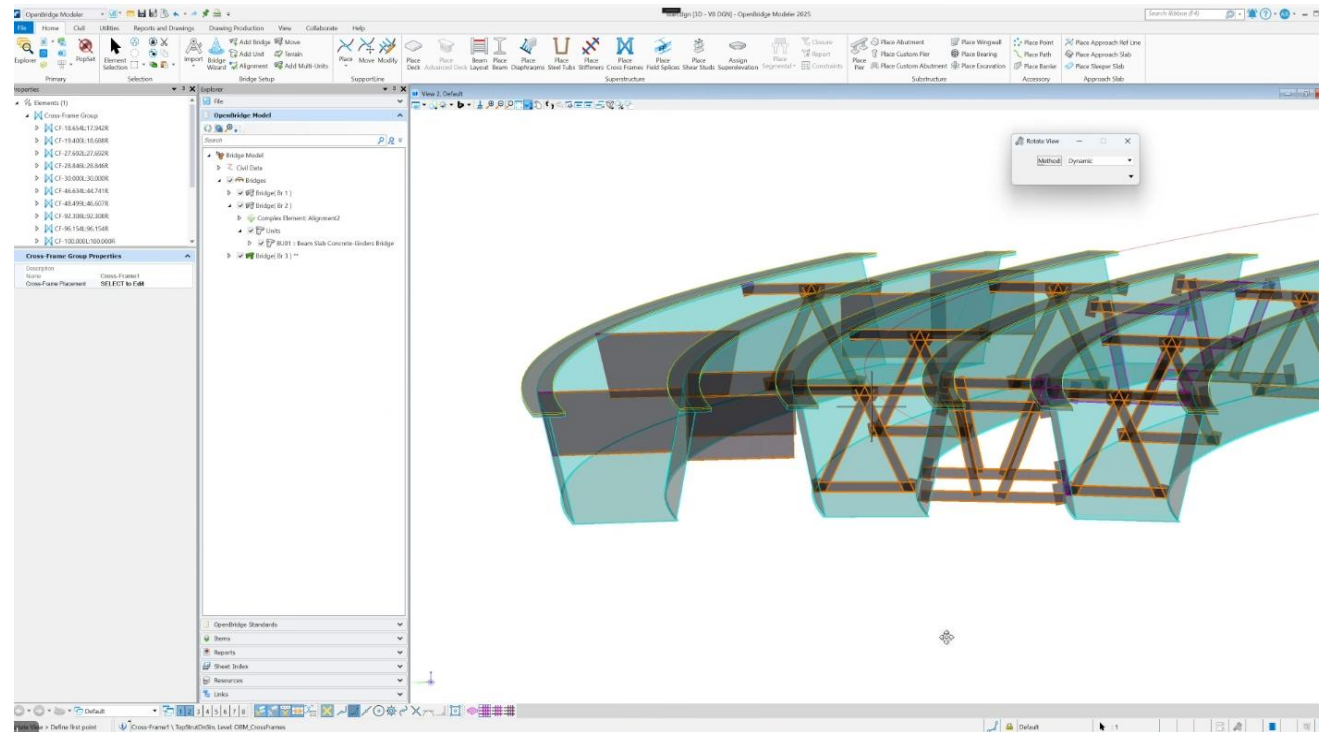
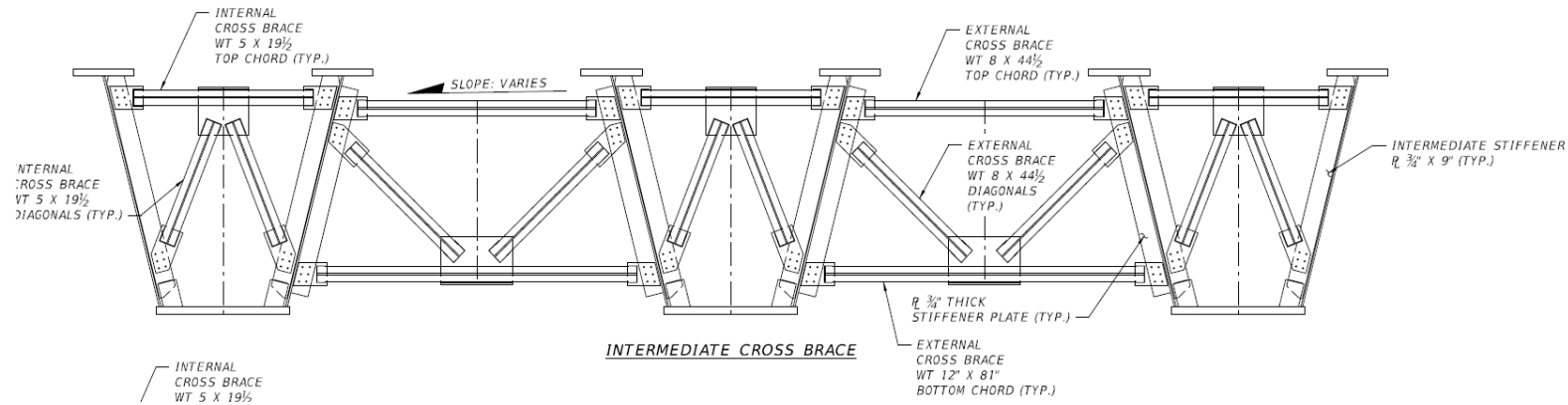
OpenGround, GINT – work in progress

Export to IFC – work in progress





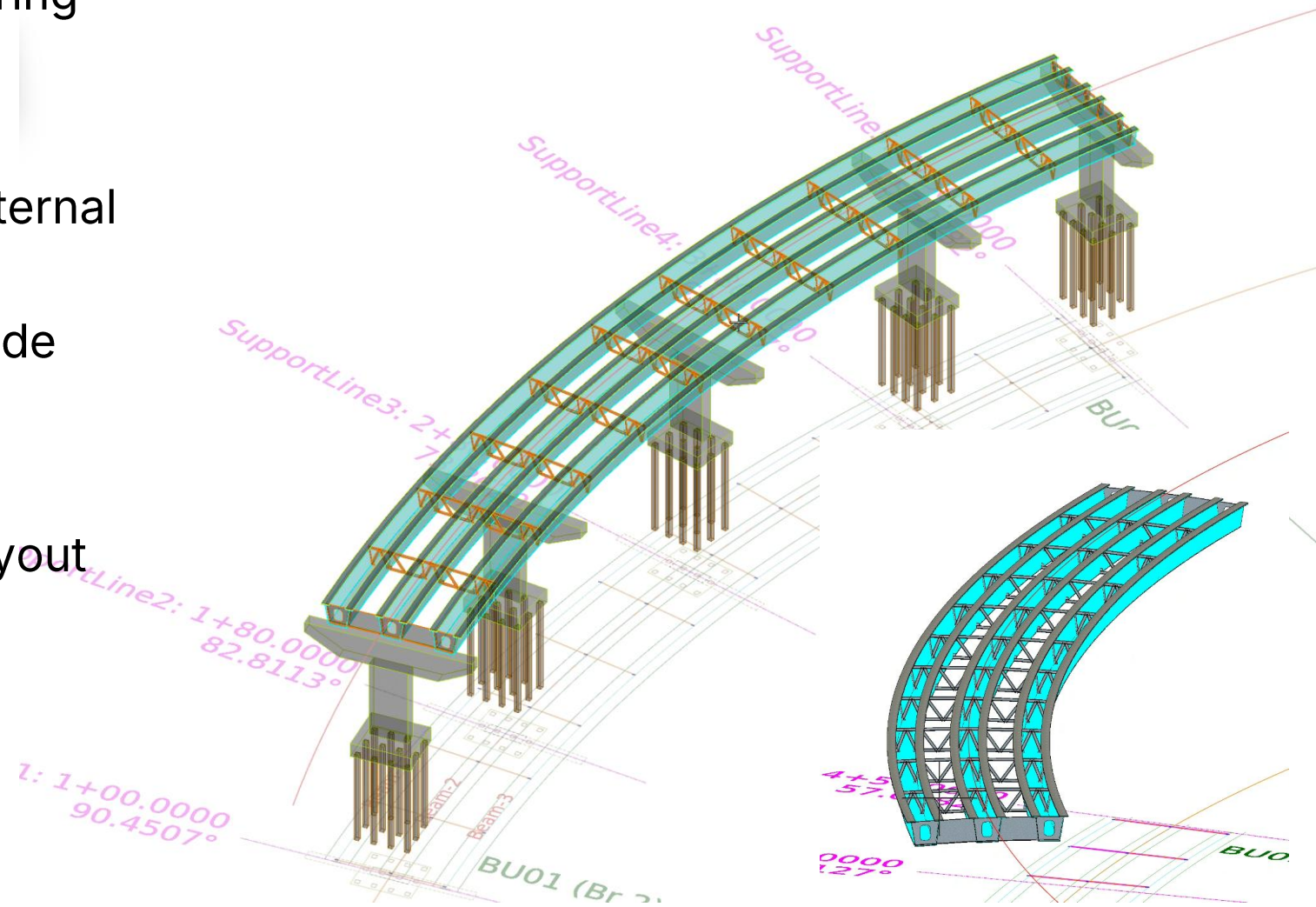
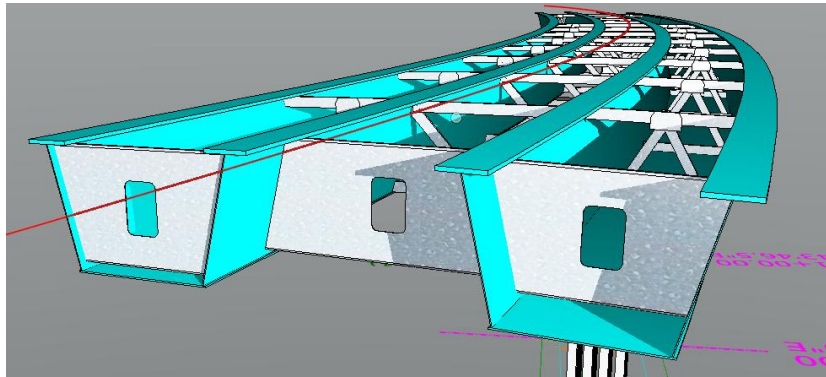
# Cross Frames for Steel Tub Girders





# Cross Frames for Steel Tub Girders

- Introduction of a new library featuring cross frames for tubs
- Input Echo Report
- Integration of both internal and external cross frames
- Inclusion of support plates alongside cross frames
- Positioning of cross frames
- User-friendly wizard to simplify layout





# Stiffeners for Steel Tub Girders

Place Stiffeners Command

Standardized Library

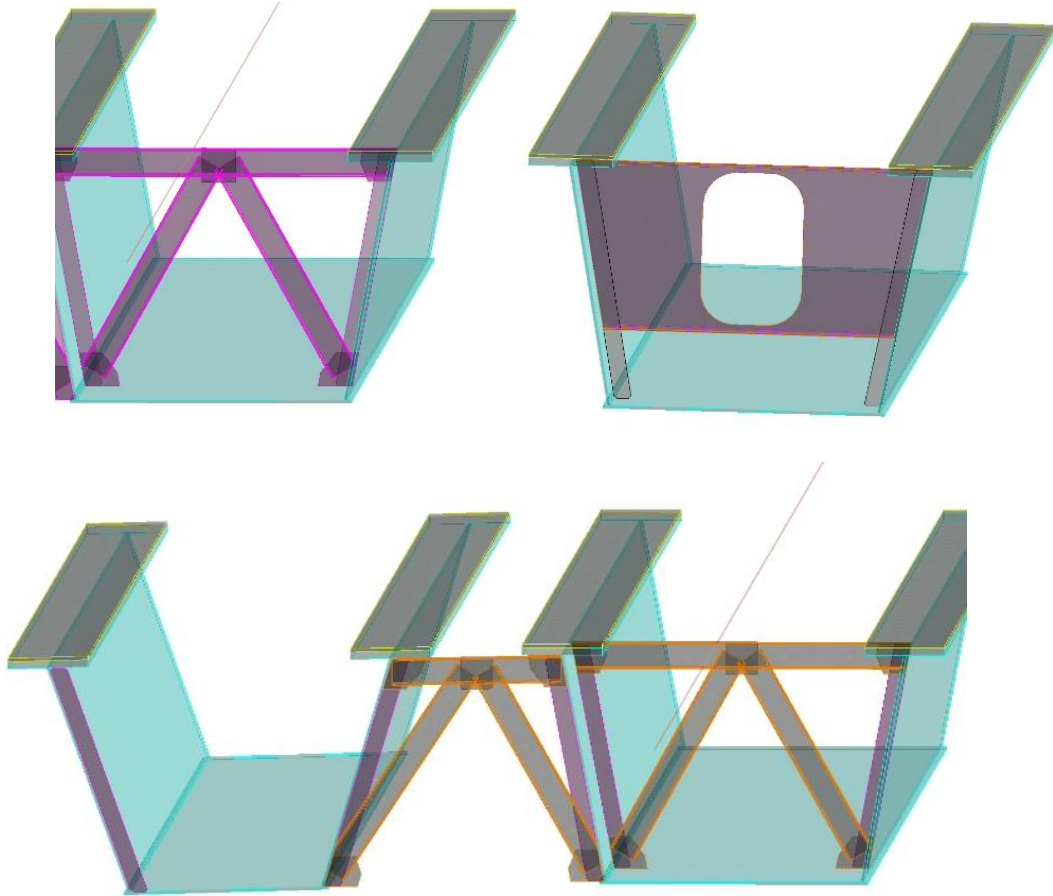
Includes Both Internal and External Stiffeners

Choice to Position on Either Left or Right Side of Each Web

Intuitive Wizard for Streamlined Layout

Input Confirmation Reports

Detailed Quantities Summary



Cross-Frame Placement

External Internal

Bays

SupportLine1 - SupportLine4

Beam-1-Beam-2

Details Beam-1-Beam-2

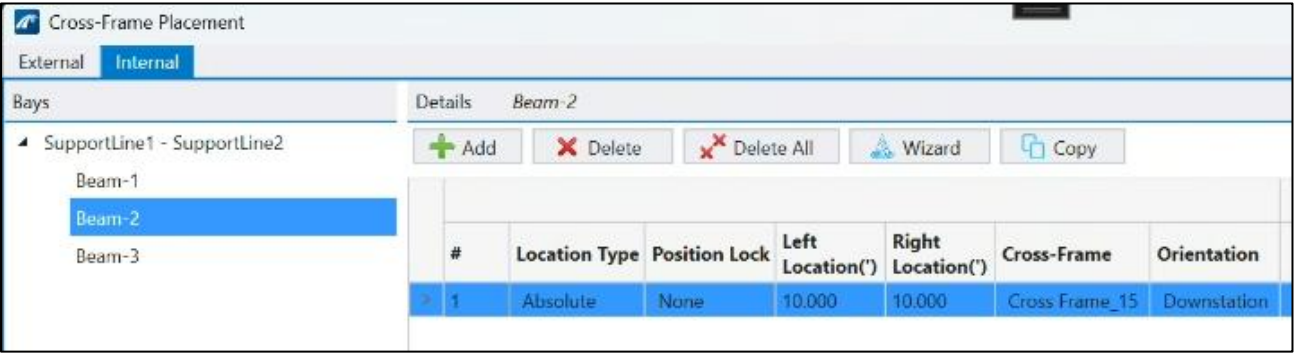
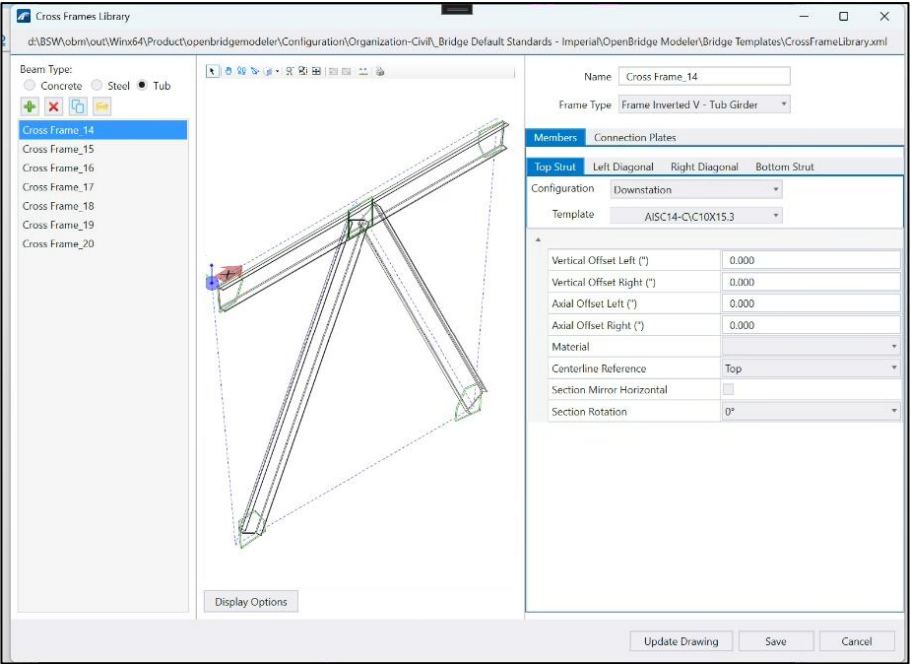
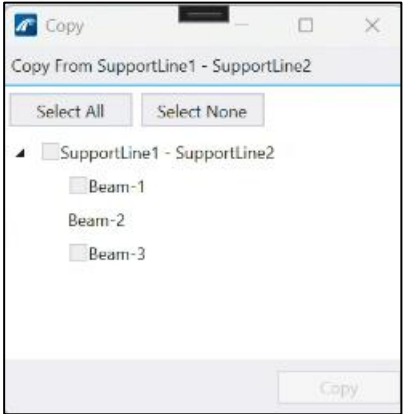
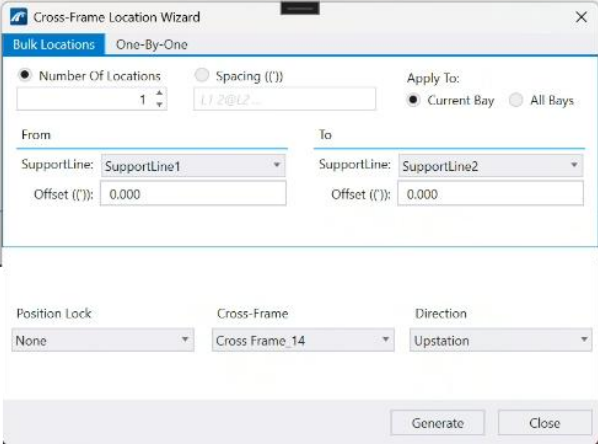
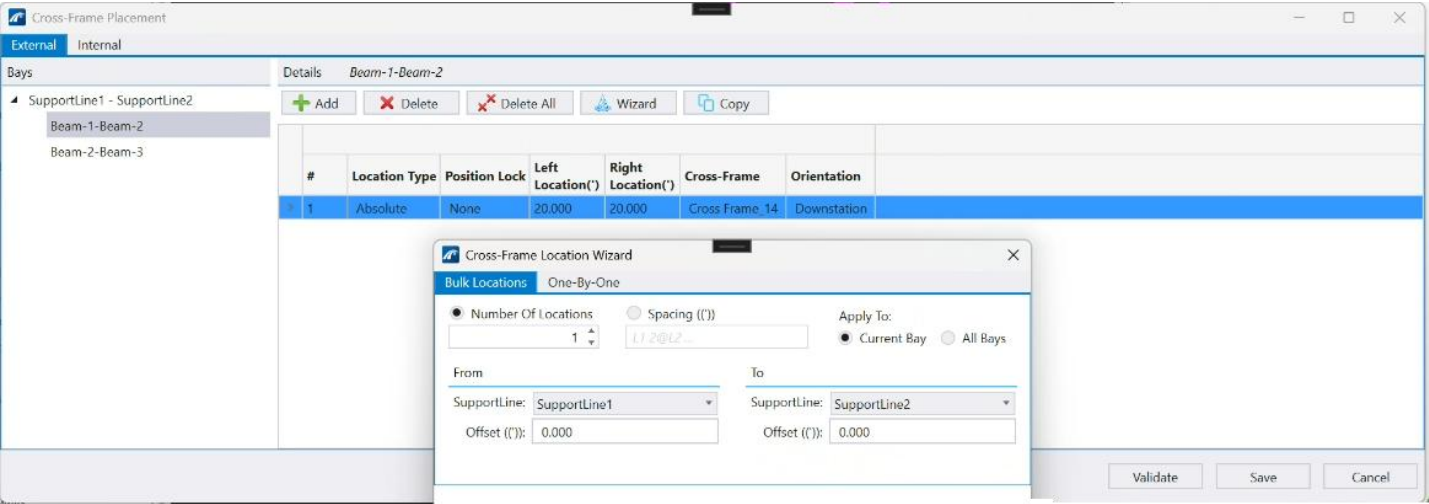
+ Add - Delete X Delete All Wizard Copy

#	Location Type	Position Lock	Left Location (ft)	Right Location (ft)	Cross-Frame	Orientation	Left Stiffener	Right Stiffener
1	Absolute	None	27.1923	26.6539	Cross Frame_14	Upstation	None	None
2	Absolute	None	54.3846	53.3076	Cross Frame_14	Upstation	None	None
3	Absolute	None	81.5768	79.9615	Cross Frame_14	Upstation	None	None
4	Absolute	None	108.7691	106.6153	Cross Frame_14	Upstation	None	None
5	Absolute	None	135.9614	133.2691	Cross Frame_14	Upstation	None	None
6	Absolute	None	163.1537	159.9229	Cross Frame_14	Upstation	None	None
7	Absolute	None	190.3460	186.5768	Cross Frame_14	Upstation	None	None
8	Absolute	None	217.5383	213.2306	Cross Frame_14	Upstation	None	None
9	Absolute	None	244.7305	239.8844	Cross Frame_14	Upstation	None	None
10	Absolute	None	271.9228	266.5382	Cross Frame_14	Upstation	None	None

CONNECTOR

Validate Save Cancel

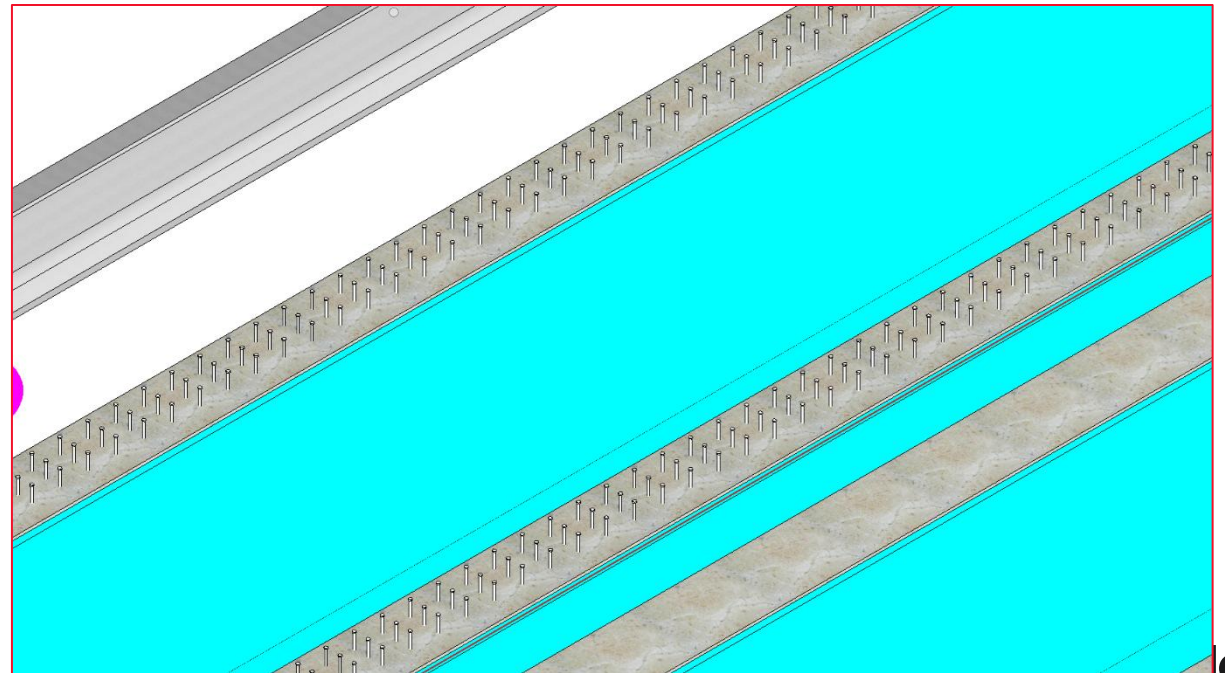
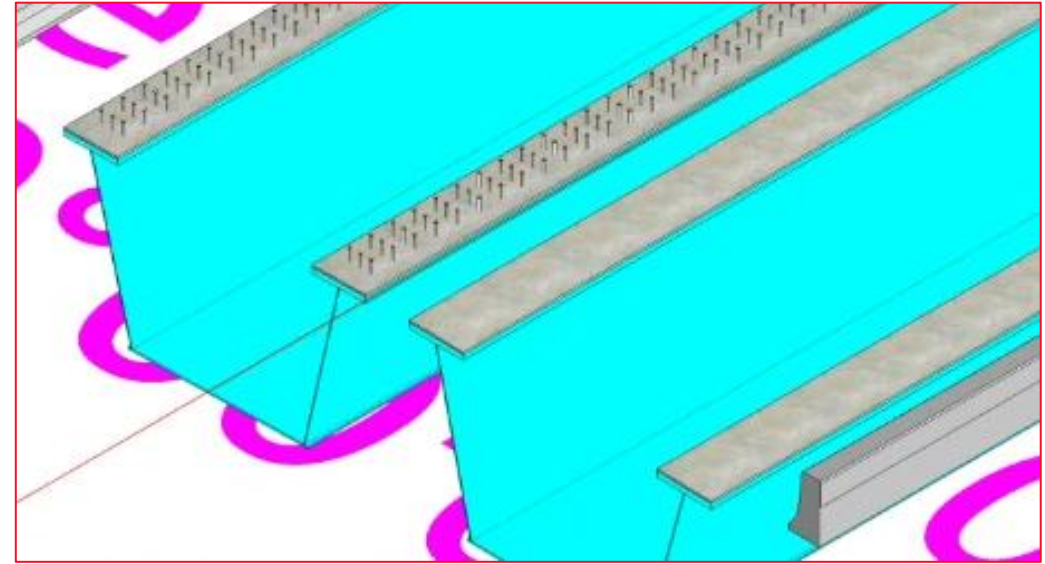
# Cross Frames for Steel Tub Girders





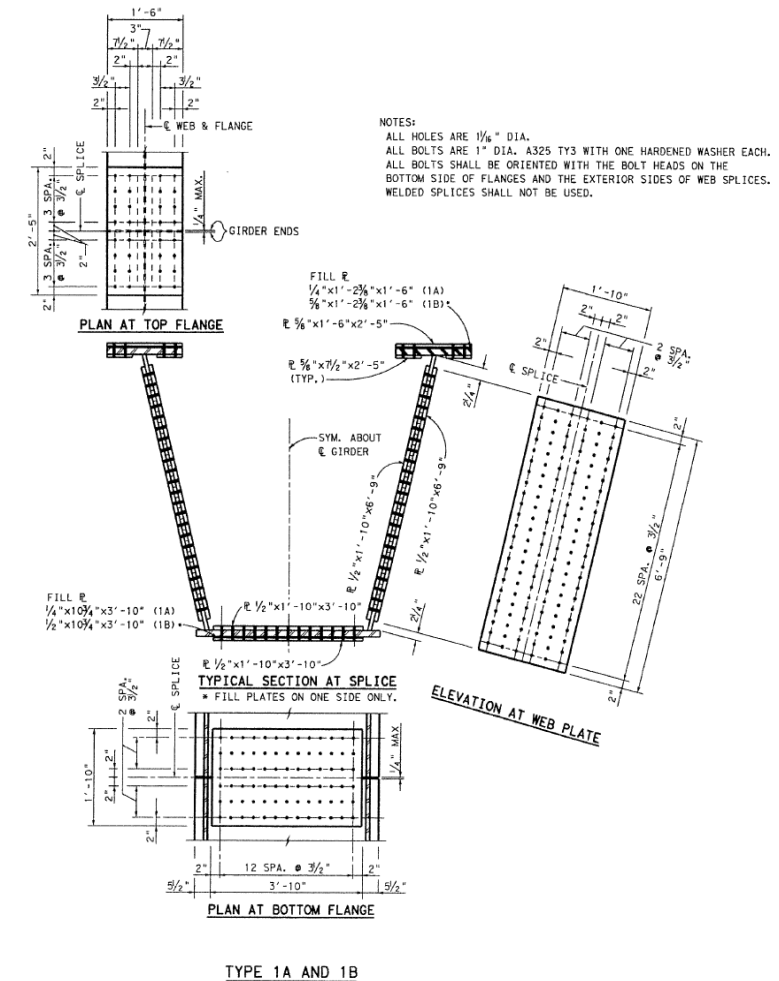
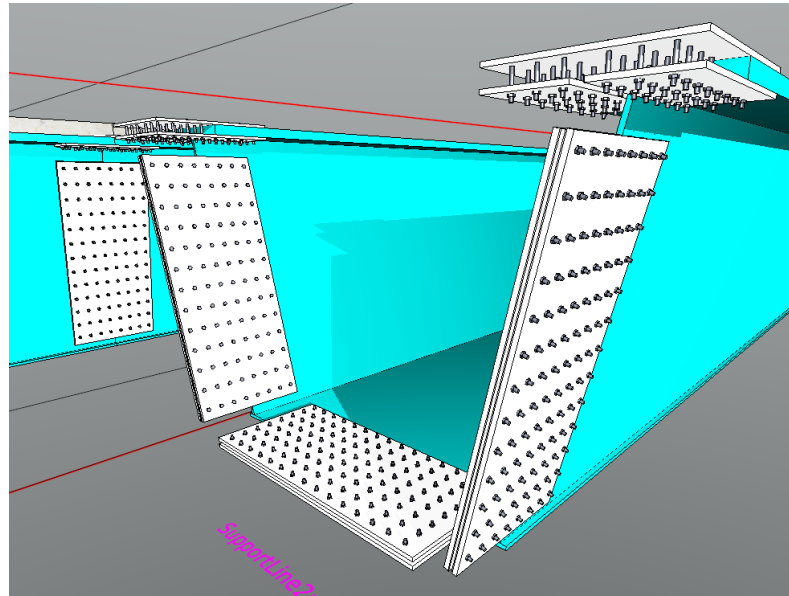
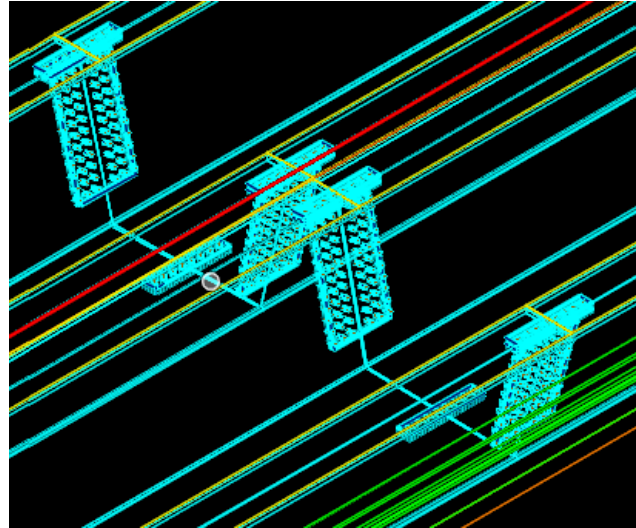
# Shear Studs for Steel Tubs

- Include identical elements on the top left and top right of the web interface
- 3D modeling capabilities
- 2D decorators included
- Reports – Input Echo
- Reports – Quantities
- Classification of Item Types



# Field Splices for Steel Tub Girders

- Introduction of a new library dedicated to Tub Girders
- User interface dialogs designed for placing Field Splices in Tub girders
- Implementation of 3D graphics
- Integration of 2D graphics
- Generation of Input Echo Reports
- Production of Quantities Reports





# Model "Access Hole" in Steel CF Diaphragms

Opening is currently always centered.

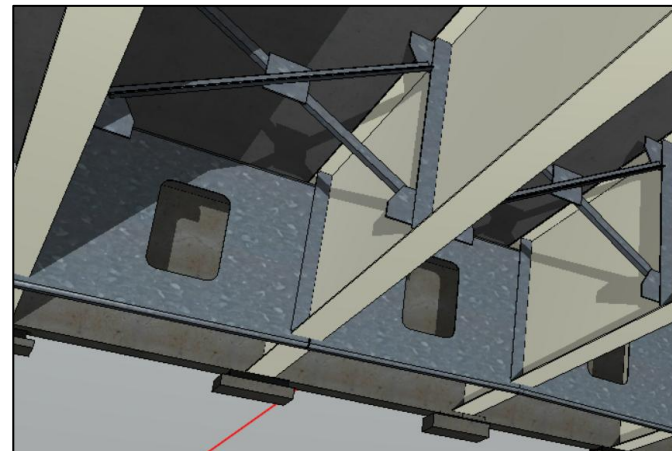
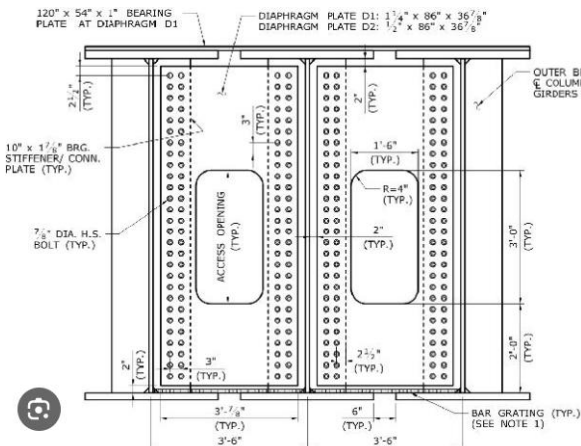
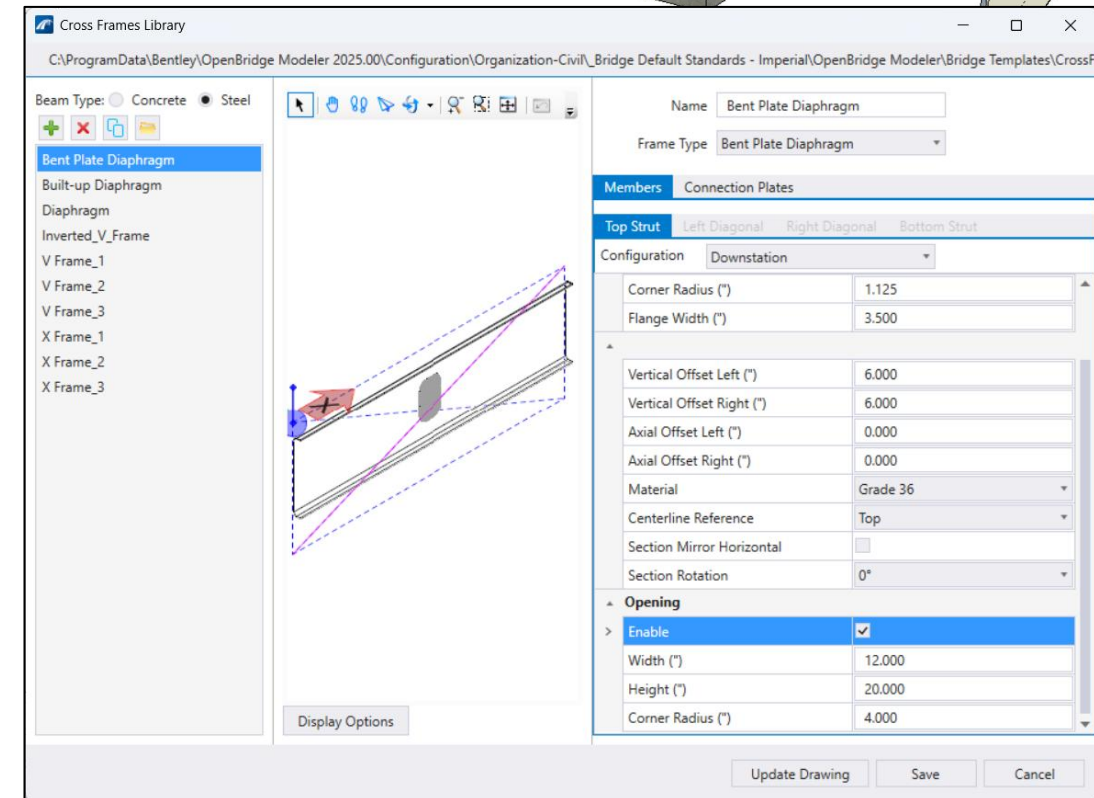
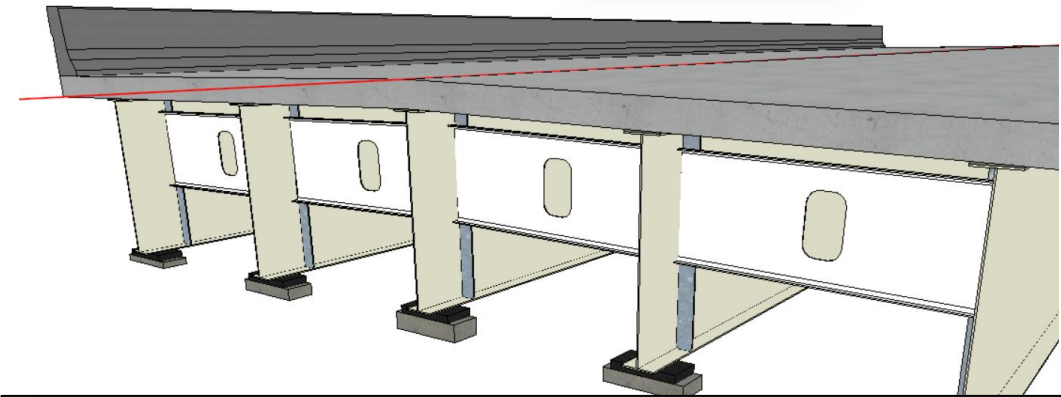
Applicable to

Bent Plate Diaphragm

Built-up Diaphragm

Diaphragm

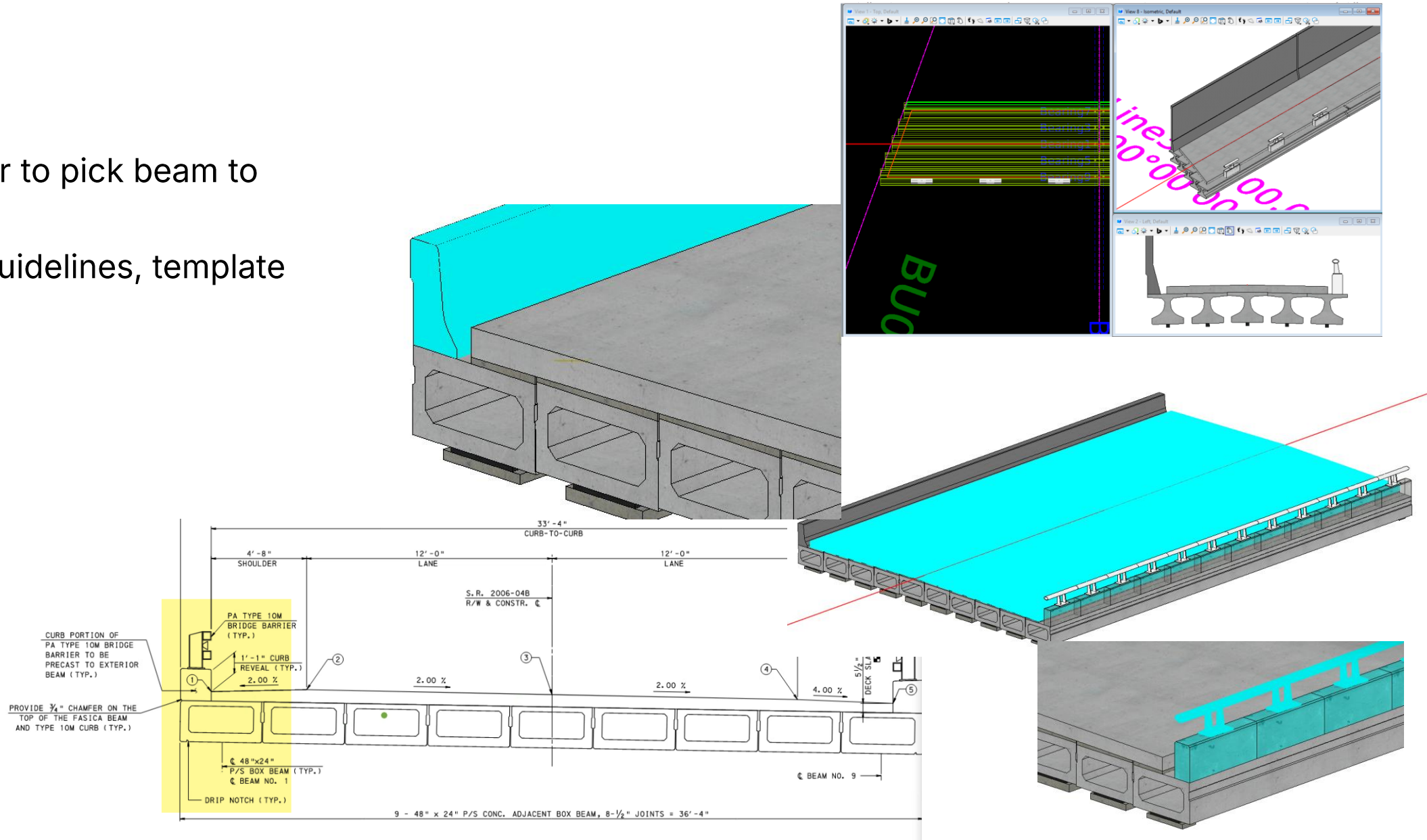
No transfer to LBS at this time.



# Barrier, or Accessories on the Beam

Allows user to pick beam to place

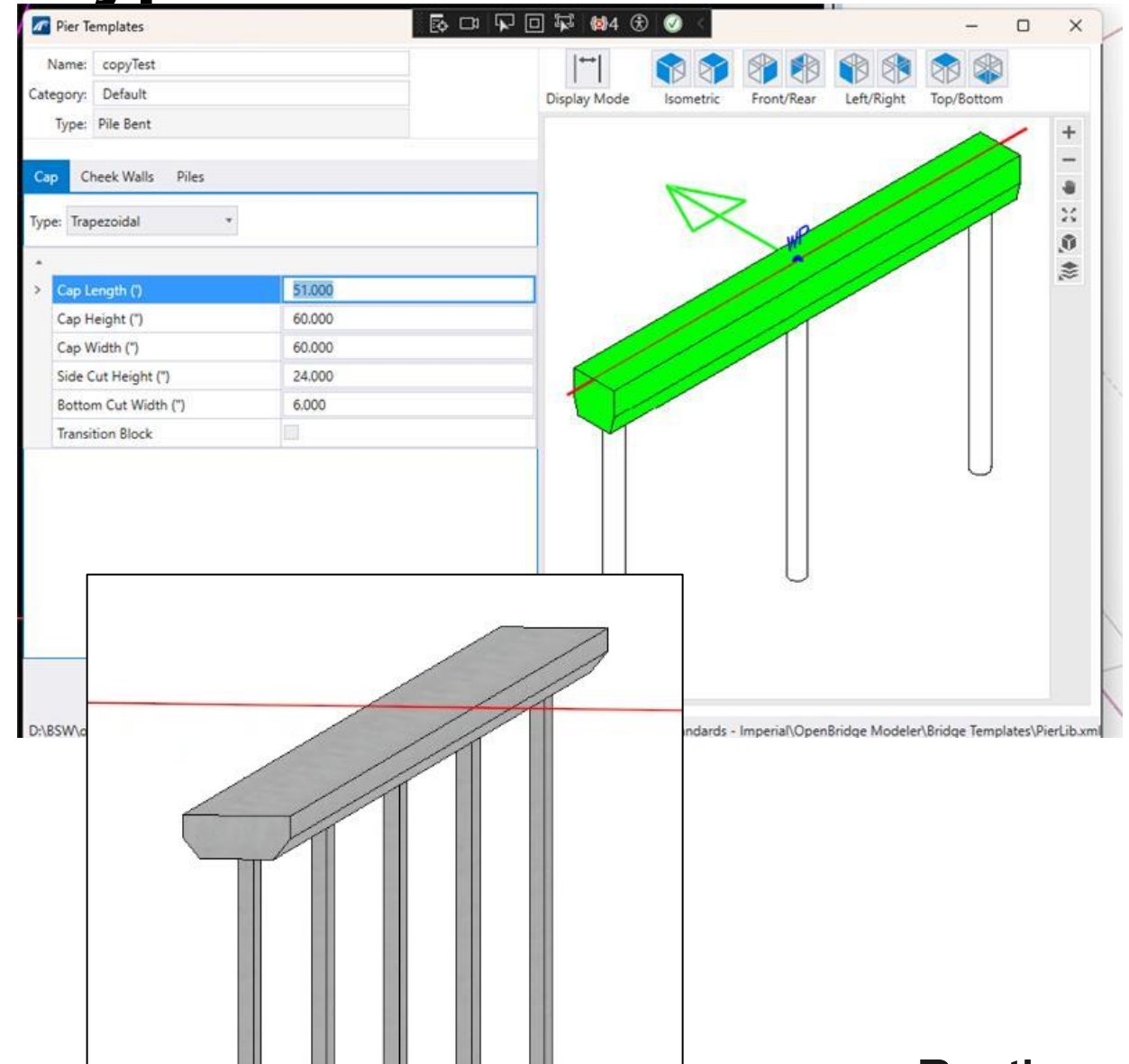
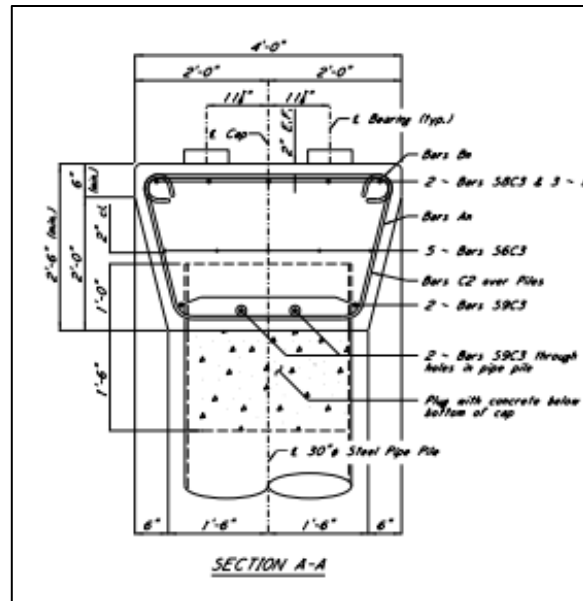
Can pick guidelines, template points



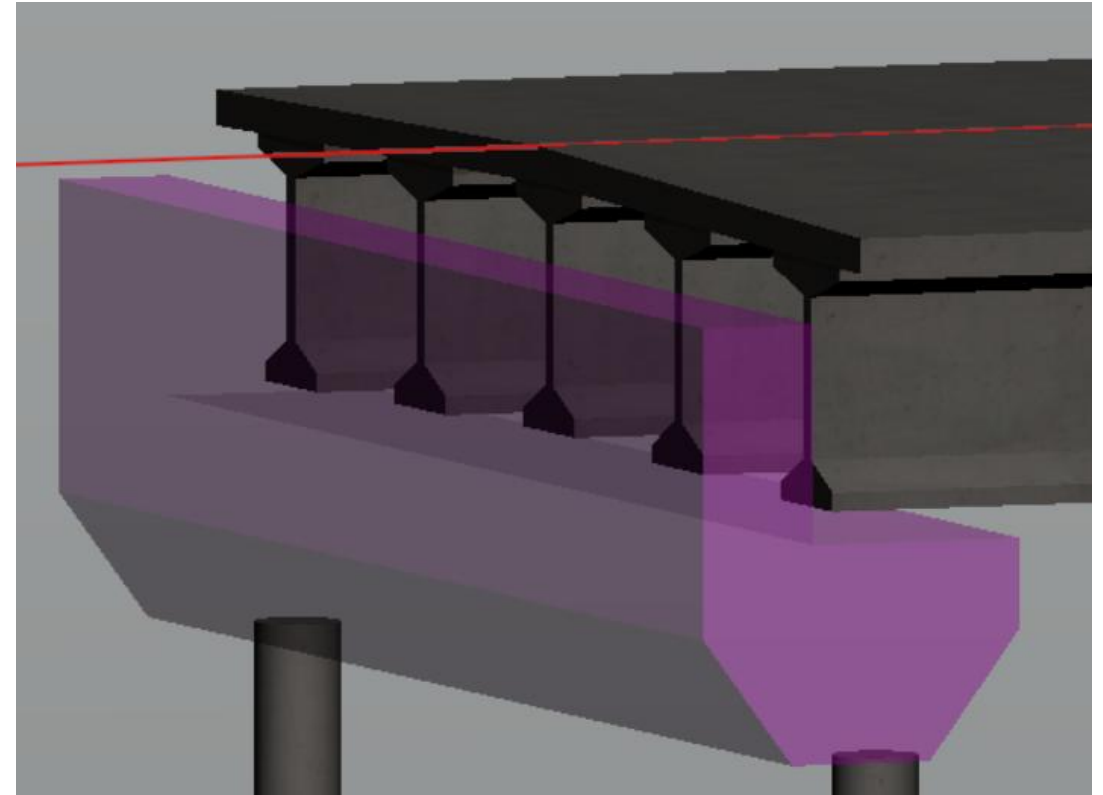
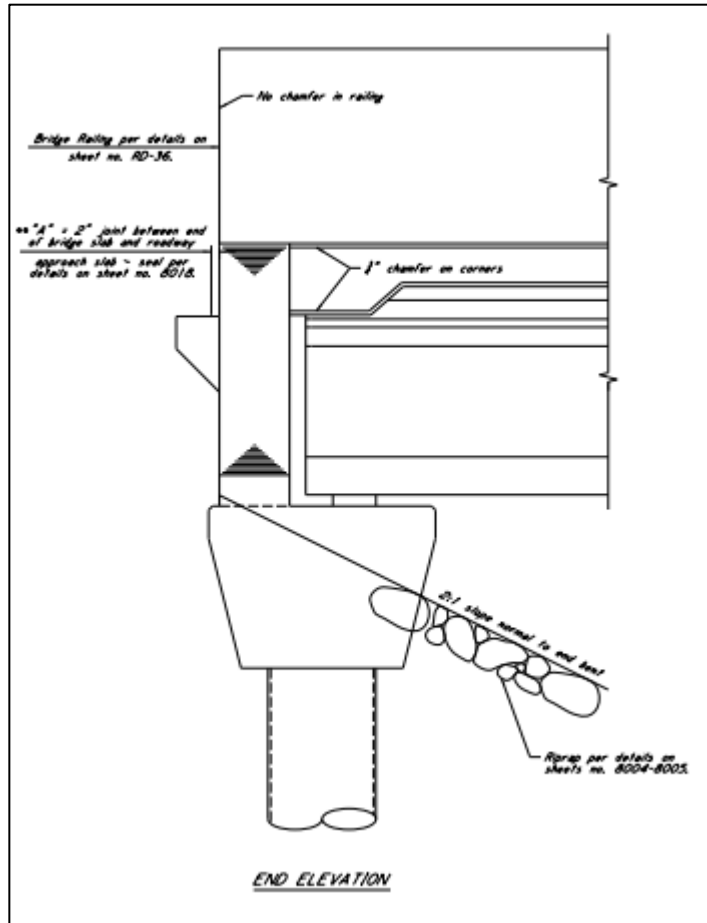


# Bent Pier Cap – Trapezoidal Type

- Choose "Trapezoidal" from the "Type" options
- Introduce new parameters: Side Cut Height and Bottom Cut Width
- Skew correction can be applied at the ends
- Mississippi (DOT) request



# Abutment Bent Cap – Trapezoidal Type



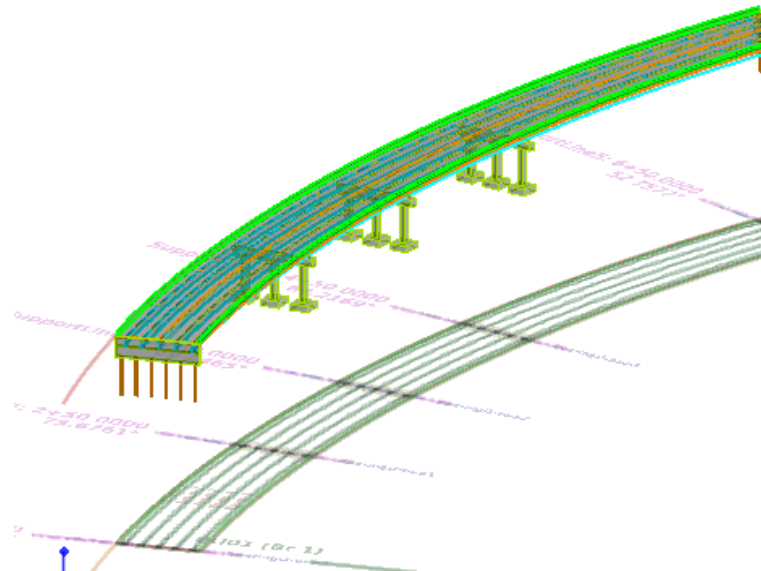
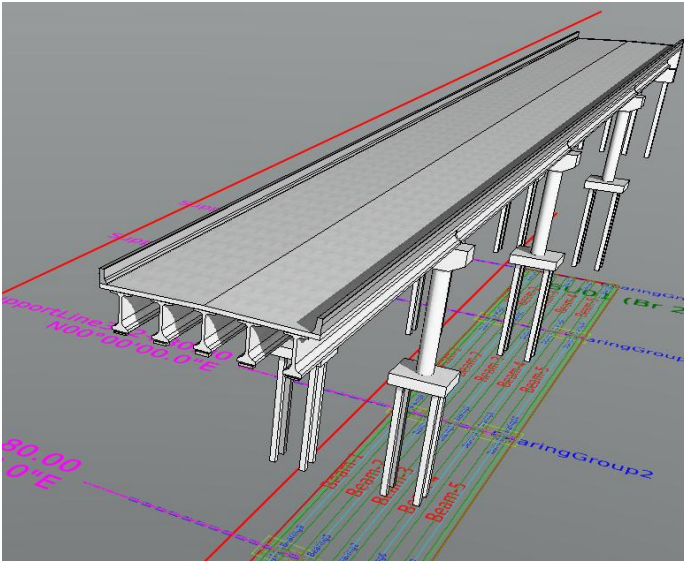


# Wizard: Deck Horizontal Offset

Horizontal Offset for Deck Template

Additionally, adjusts support line lengths according to the offset distance

Revised Reports



Bridge Wizard

Geometry Materials

Bridge Name: Br 2025

Bridge Type: Beam Slab (P/S or RC Concrete Girders)

Alignment: Create new alignment

Bridge Start Station: 1+00.0000

Alignment Advanced Options

- ☒ Deck Template: Slab w/ constraints
- ☐ Custom Deck

Deck Horizontal Offset('): -50.000

Spans: 80 2@100 70

Support Skew Angles: 0°

Beam Spacing: 5@8

Beam Template: Type IV

☒ Abutment Template: 3 Lane - 40ft

☒ Pier Template: 3x3 - 3 COL PIER

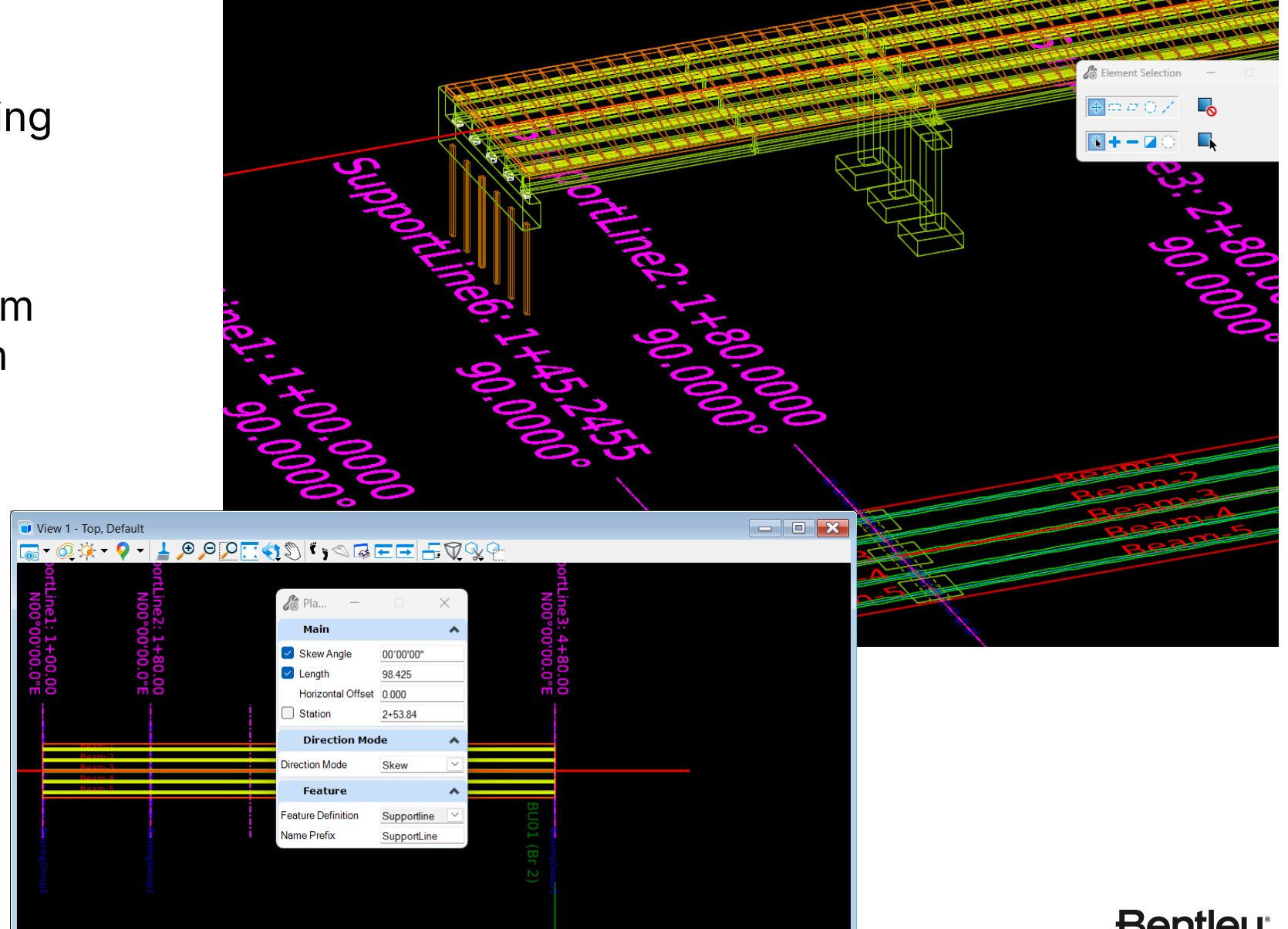
☒ Left Barrier Template: 32" F SHAPE L

☒ Right Barrier Template: 32" F SHAPE R

OK Cancel

# Insert, Delete Spans

- Useful in preliminary modeling
- Insert spans easily
  - Place Support Line
  - Automatically applies beam layout from previous span
- Delete spans easily
- Supports
  - Concrete beams
  - Steel beams





# Improved decoration lines

Deck Outlines:

No longer line strings of small lengths

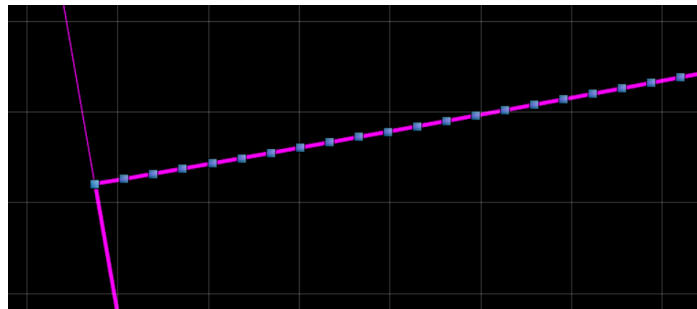
Now possible to dimension these lines, arcs easily

*Issue: Any changes will invalidate the dimensions since the element ID changes for the decoration*

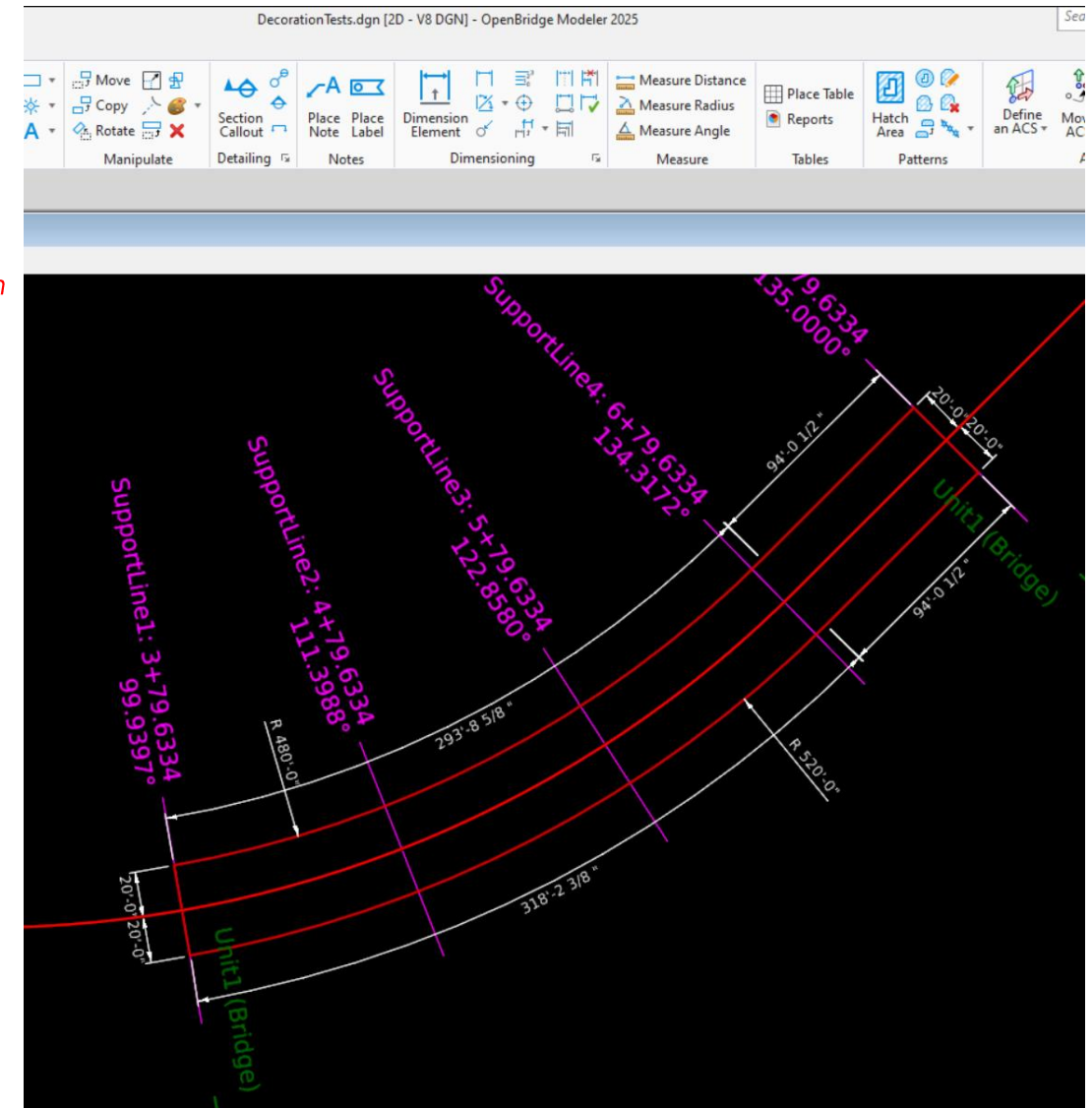
Also applicable to

- Barrier Outlines
- Beam Layout Lines
- Beam Flange Outlines

Before this change: line string



After this change: no line strings

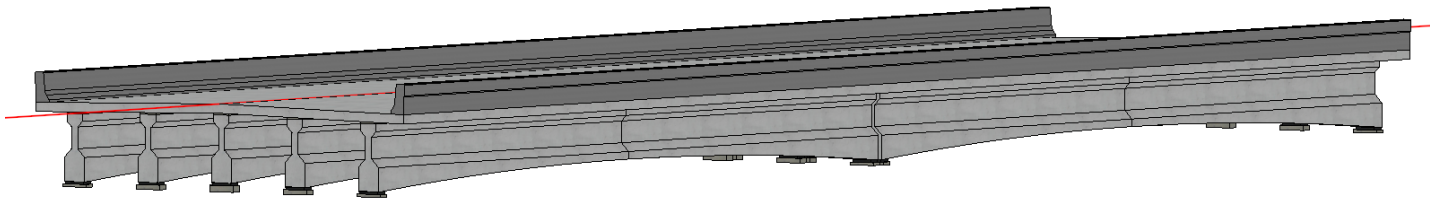


# Concrete Girders - Transition

Previous versions "Linear" only

## Supported Transitions

- Circular Start
- Circular End
- Parabolic Start
- Parabolic End
- Linear
- None



Delete Delete All Sort Beam Copy

Relative Location	From	Start Location (')	Section Length (')	Start Template	Different End Template	End Template	Material AASHTO-II, CLA	Variation	
0.000	SupportLine1	1+00.00	40.000	Beams\Standard Sections\AASHTO I-Beams\C-Type I	<input checked="" type="checkbox"/>	Beams\Standard Sections\AASHTO I-Beams\Type I	AASHTO-II, CLA	Parabolic End	
40.000	SupportLine1	1+40.00	40.000	Beams\Standard Sections\AASHTO I-Beams\Type I	<input checked="" type="checkbox"/>	Beams\Standard Sections\AASHTO I-Beams\C-Type I	AASHTO-II, CLA	Linear	

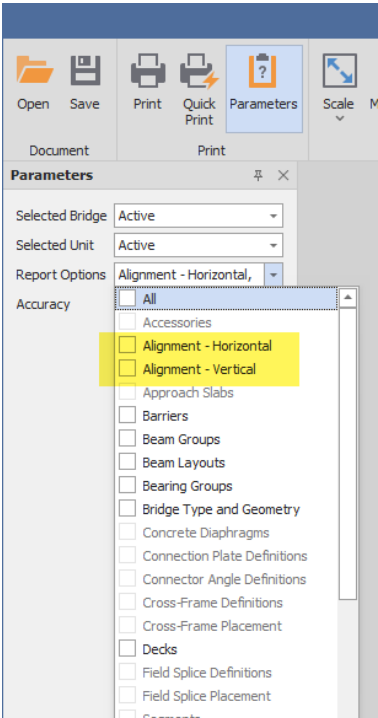
Linear  
Parabolic Start  
Parabolic End  
Circular Start  
Circular End  
None



# Input Echo - Alignment and Profiles Report

Native OBM report

User no longer has to recall how to generate Civil Reports



Bridge Name: Br 1			
Bridge Unit: BU01 :: Beam Slab Concrete-Girders Bridge			
Horizontal Alignment Input Report			
Alignment Name: GeomBL11			
Alignment Description: Geometry Baseline			
Alignment Style: Alignment\Road\Geom_Baseline			
Horizontal Alignment			
	Station	Northing	Easting
Element: Linear			
START	100+00.0000	2500.000	500.000
PC	1956.786	1436.015	2142.238
Tangential Direction	S57°03'41"E		
Tangential Length	1956.786		
Element: Circular			
PC	119+56.7857	1436.015	2142.238
HPI	3383.962	660.000	3340.000
CC		2275.268	2685.979
PT	3876.008	2050.736	3660.446
Radius	1000.000		
Delta	109°57'48"		
Degree of Curvature (Arc)	05°43'55"		
Length	1919.223		
Tangent	1427.177		
Chord	1637.937		
Middle Ordinate	426.162		
External	742.651		
Back Tangent Direction	S57°03'41"E		
Back Radial Direction	S32°56'19"W		
Chord Direction	N67°57'25"E		
Ahead Radial Direction	S77°01'29"E		
Ahead Tangent Direction	N12°58'31"E		

Vertical Alignment Input Report		
Horizontal Alignment: GeomBL11		
Horizontal Description: Geometry Baseline		
Horizontal Style: Alignment\Road\Geom_Baseline		
Vertical Alignment: GeomBL11		
Vertical Description: Geometry Baseline		
Vertical Style: Alignment\Road\Geom_Baseline		
Vertical Alignment		
	Station	Elevation
Element: Linear		
START	0.000	100.000
VPC	1200.184	121.000
Tangent Grade	0.017	
Tangent Length	1200.184	
Element: Symmetrical Parabola		
VPC	1200.184	121.000
VPI	2000.000	135.000
VPT	2800.245	127.000
VHP	2218.182	129.909
Length	1600.062	
Entrance Grade	0.018	
Exit Grade	-0.010	
$r = 100 * (g2 - g1) / L$	-0.172	
$K = 1 / (g2 - g1)$	581.818	

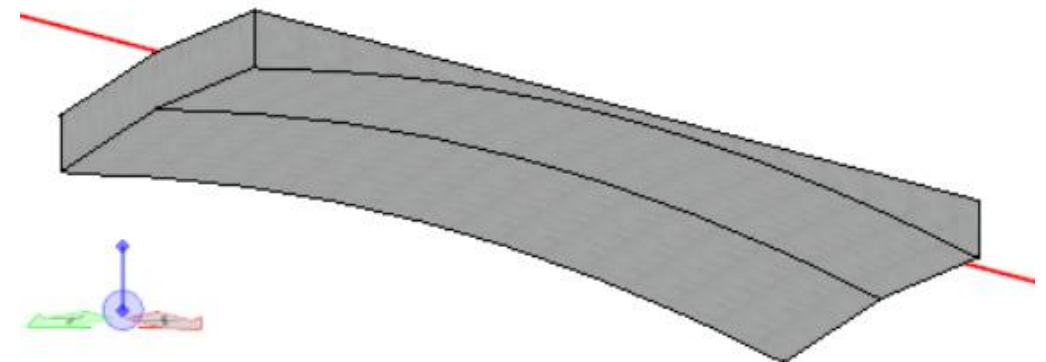
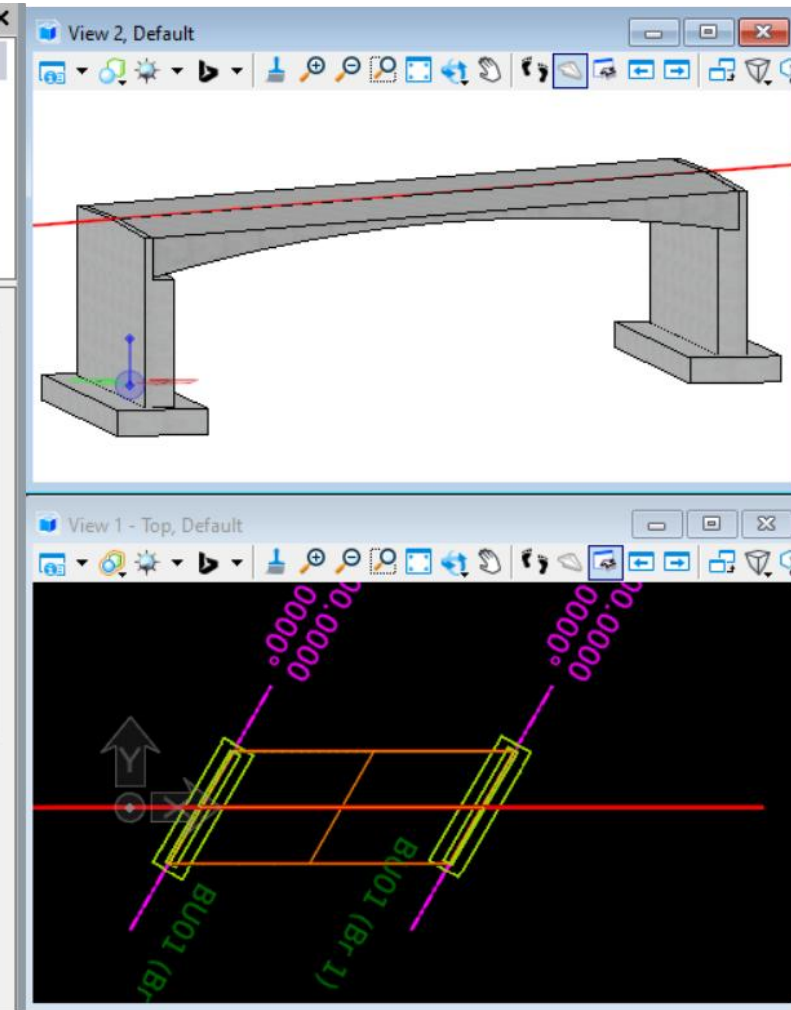
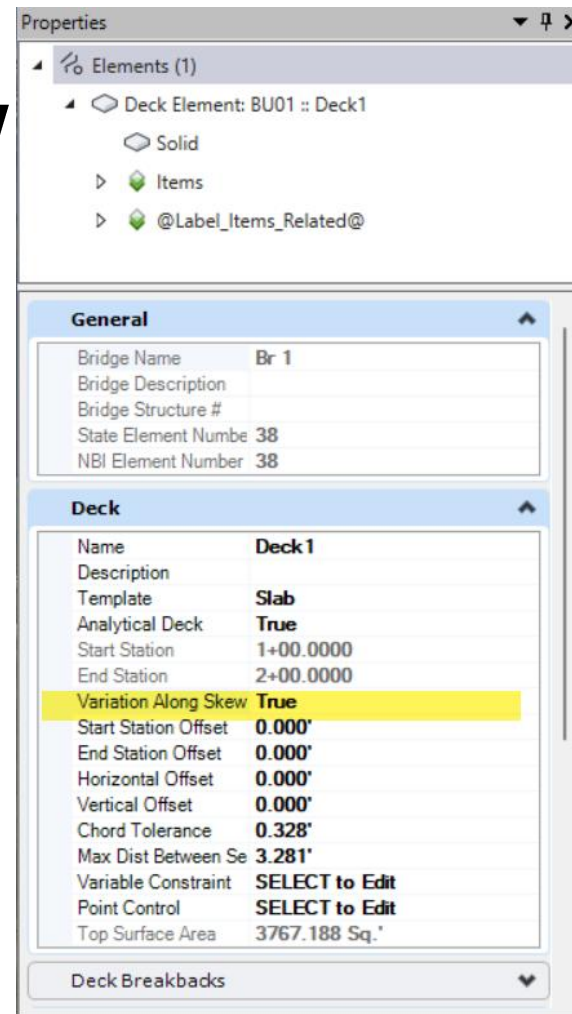
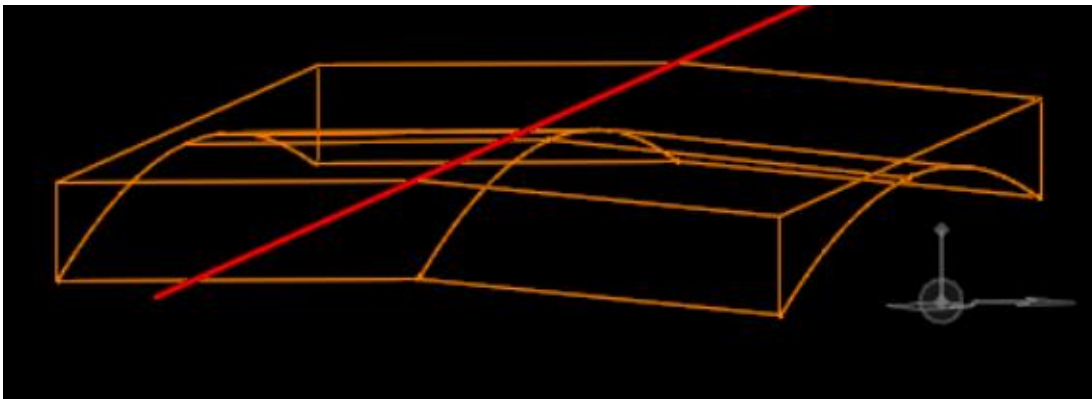
# Variation of Slab on skew

Previously only Radial to alignment

Exclusive to Slab Bridges

New GUI Feature

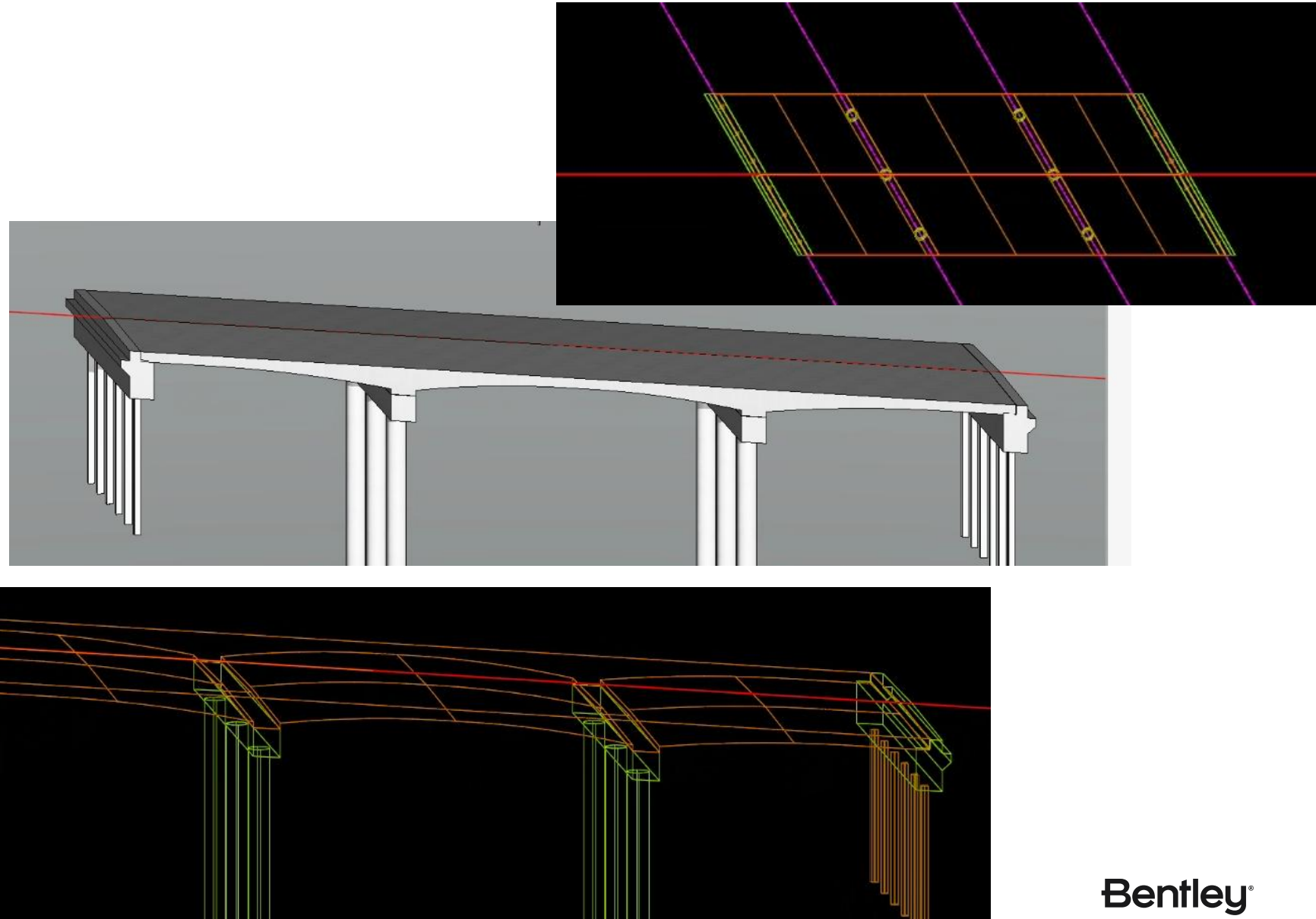
Variation Along Skew: True/False





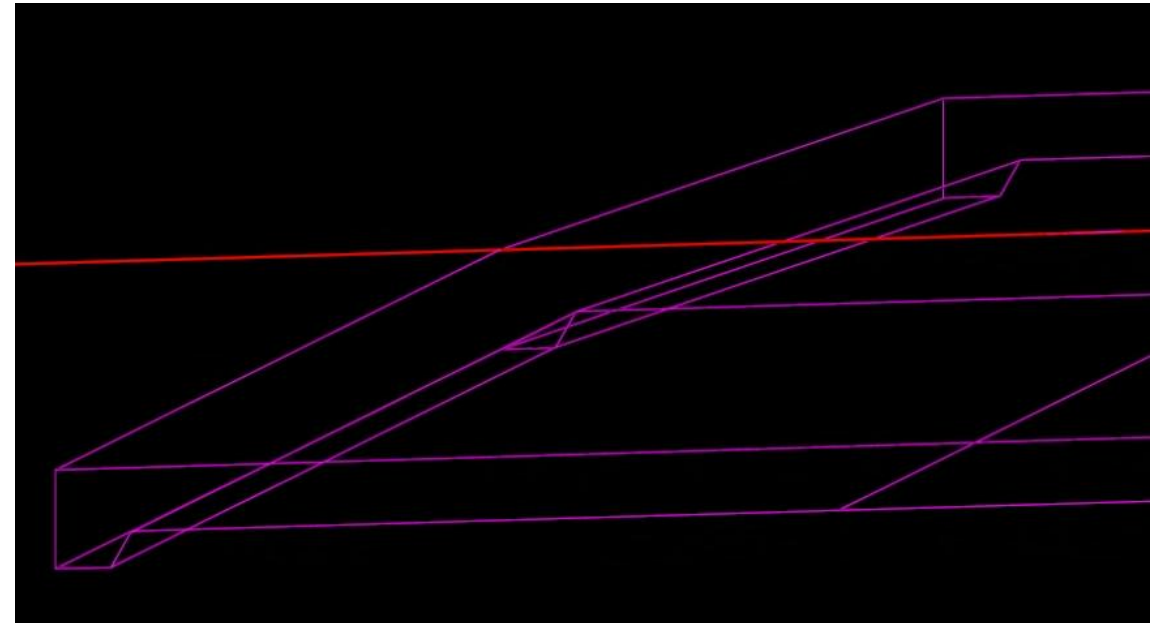
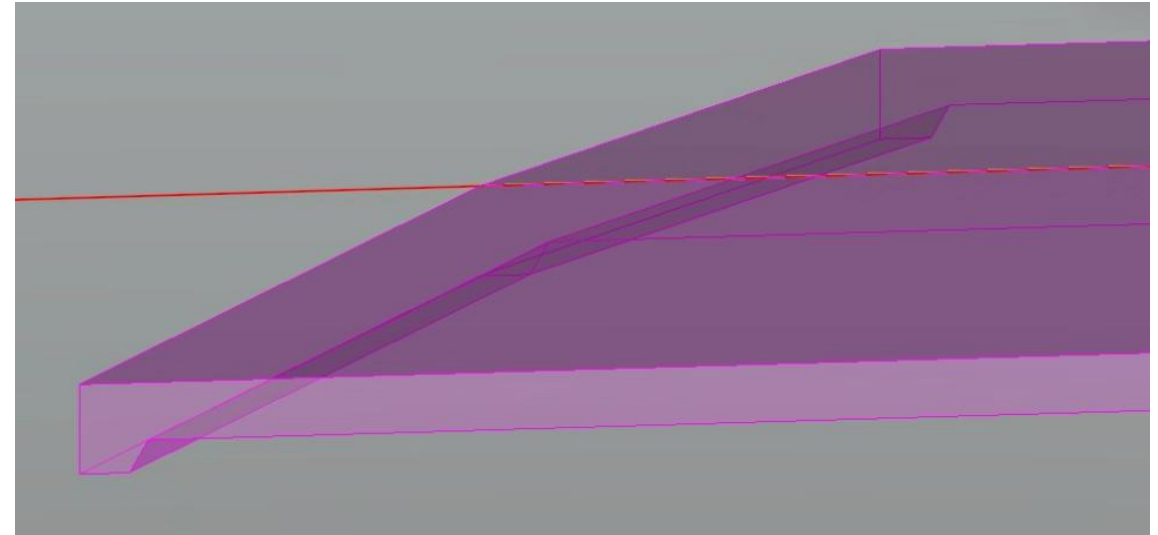
# Slab and Approach Slabs Variation along skew

- In earlier versions, all extrusion was performed radial to the alignment.
- It is now possible to extrude along a skew.
- The starting skew and ending skew can vary independently.



# Approach Slab

- Support for variation along the skew has been added
- Start and end skews can now differ





# X,Y coordinates for Footings

X,Y co-ordinates of Footing Center

Item Types

Applicable to

Pier Footings

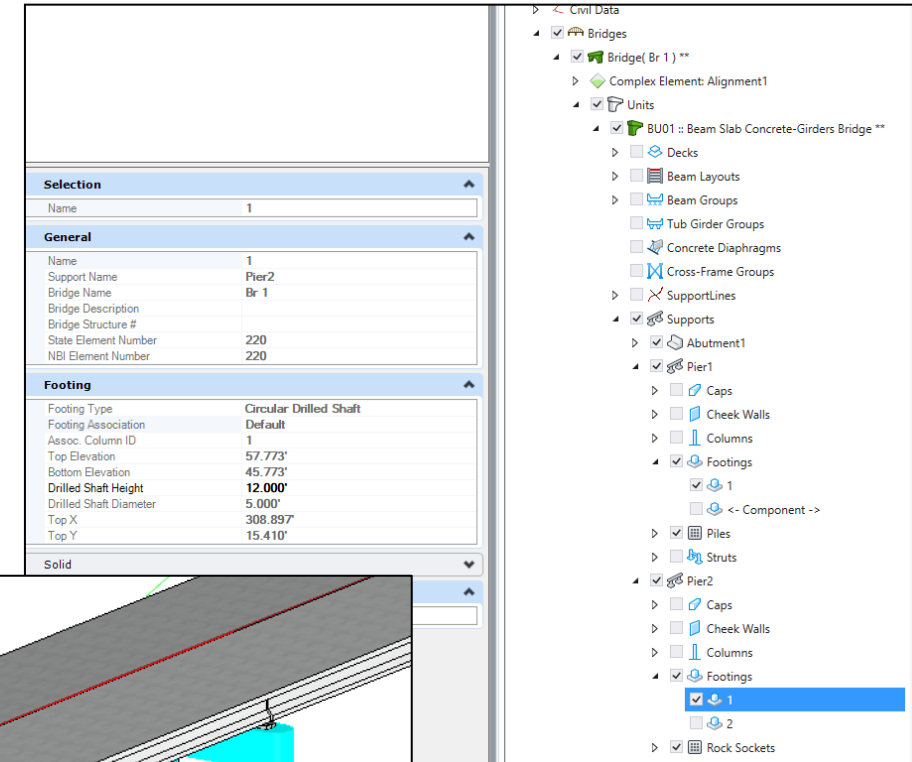
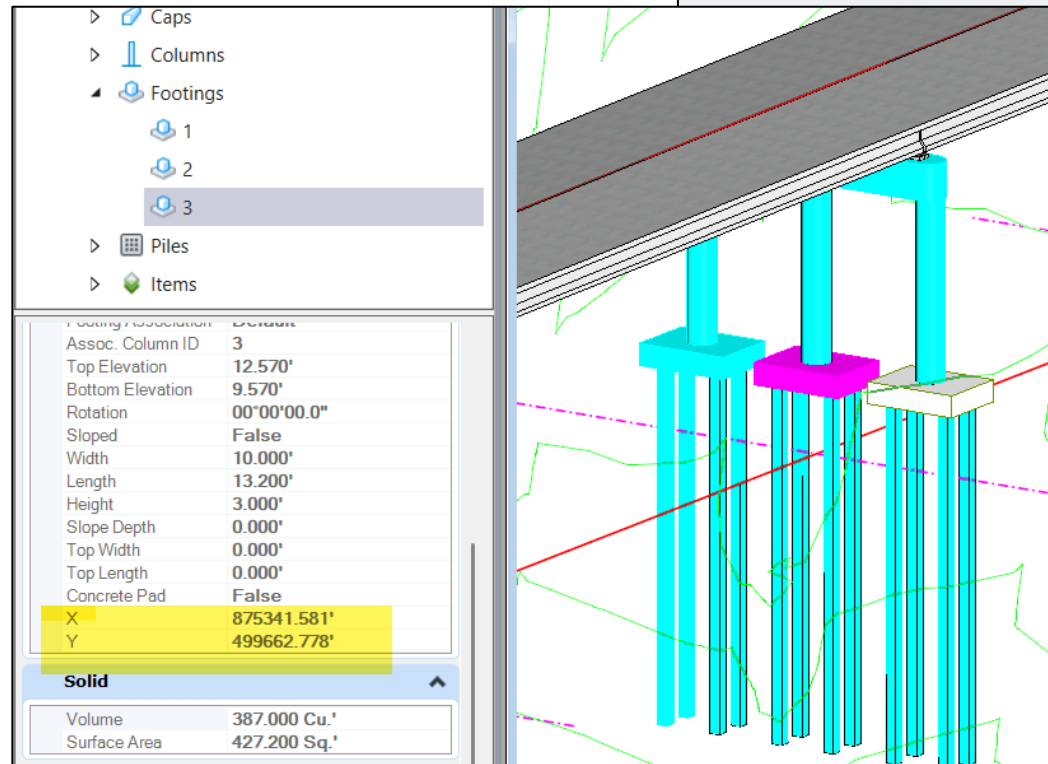
Combined Footings

Abutment Footings

Not applicable to

Parametric cell

Custom Footings



# Piles and drilled shafts: Station and Offset

Station and Offset are now exposed as properties

Works for Piles and Drilled Shafts

Item Type Expressions:

Piles:

`This.getItem().PierPile_Station`

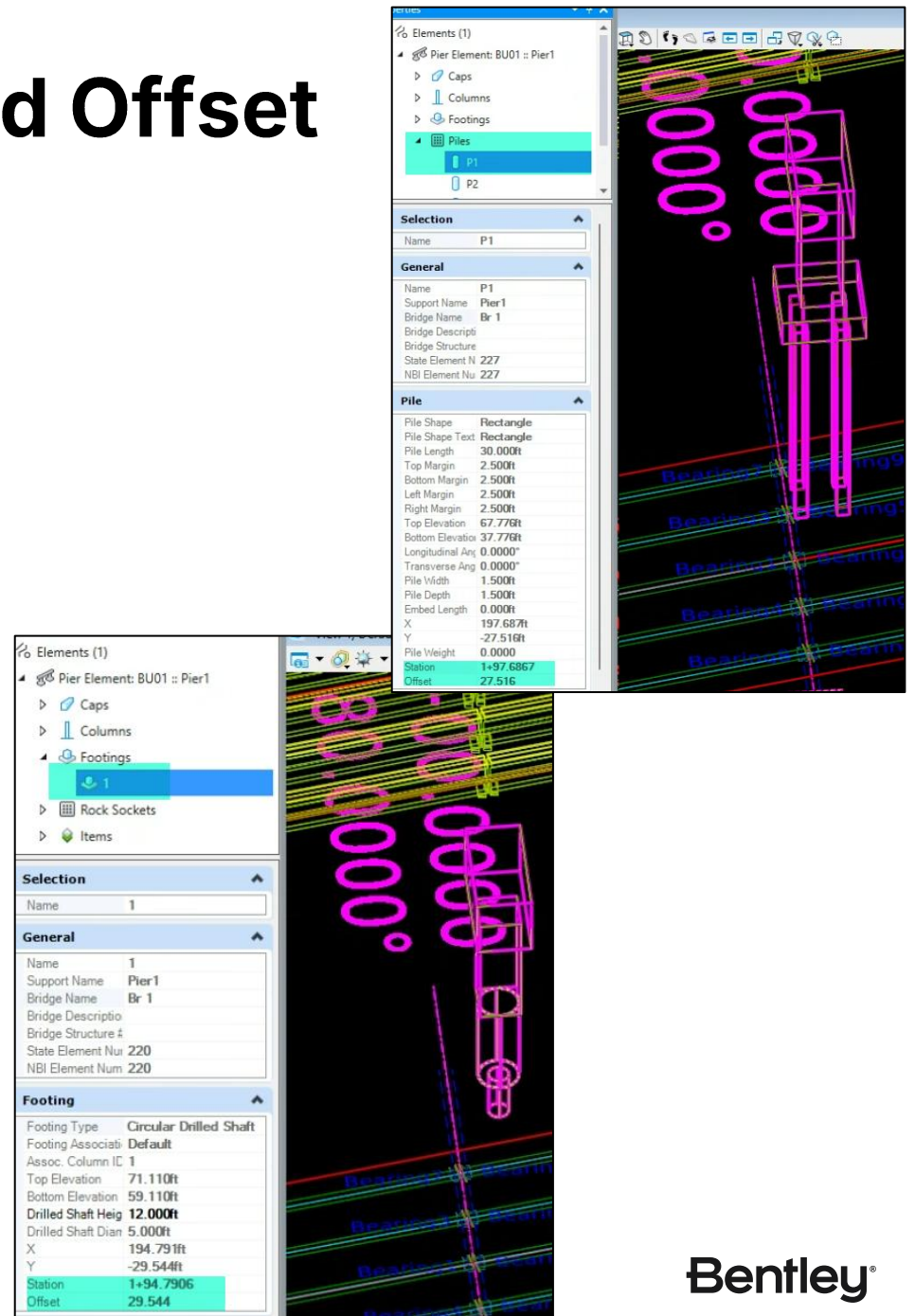
`This.getItem().PierPile_Offset`

Drilled Shafts:

`This.getItem().PierFooting_Station`

`This.getItem().PierFooting_Offset`

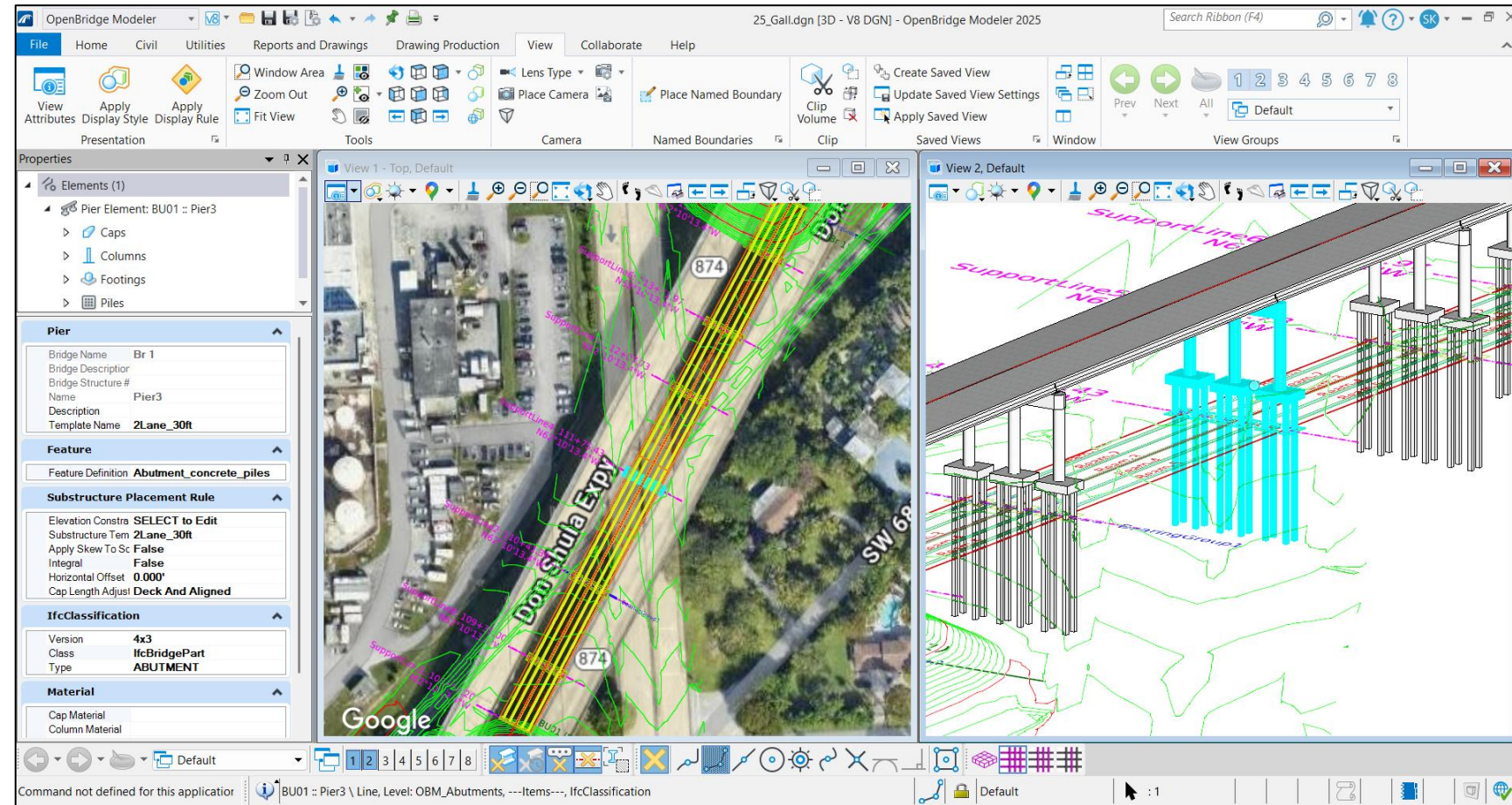
Note: Does not work for Parametric cells





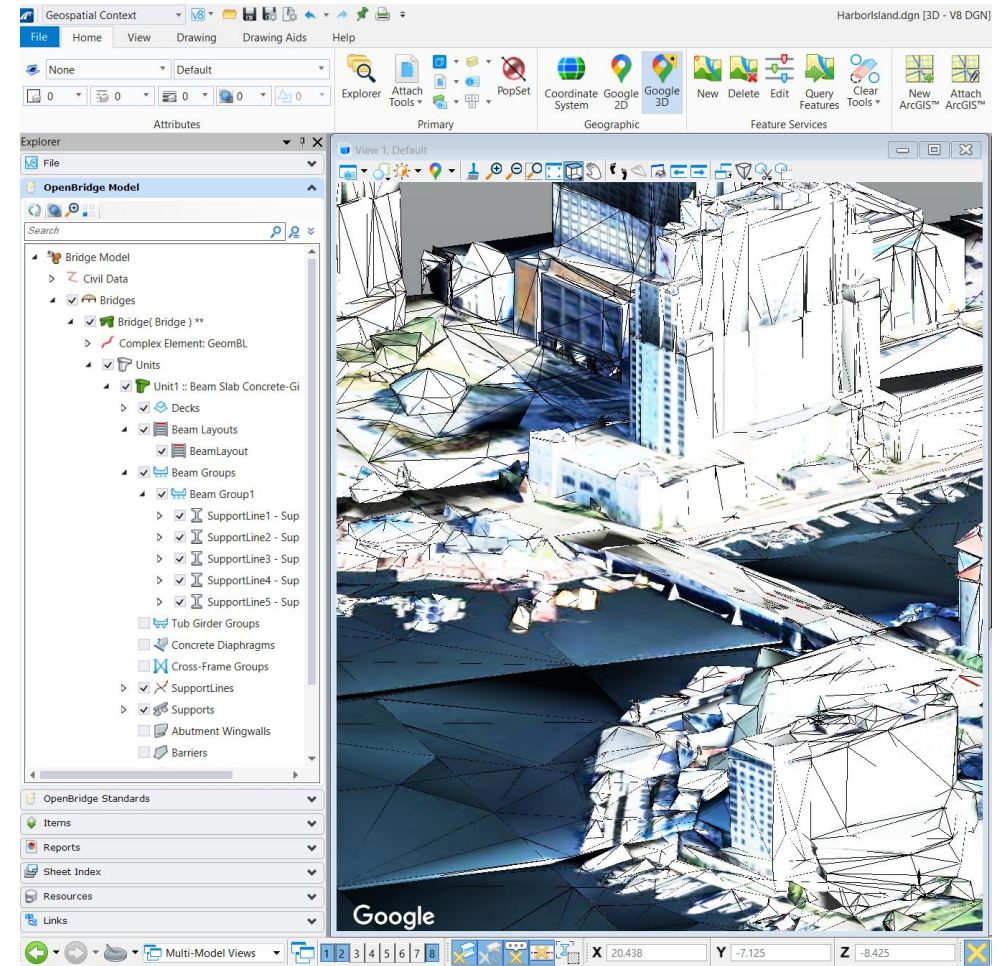
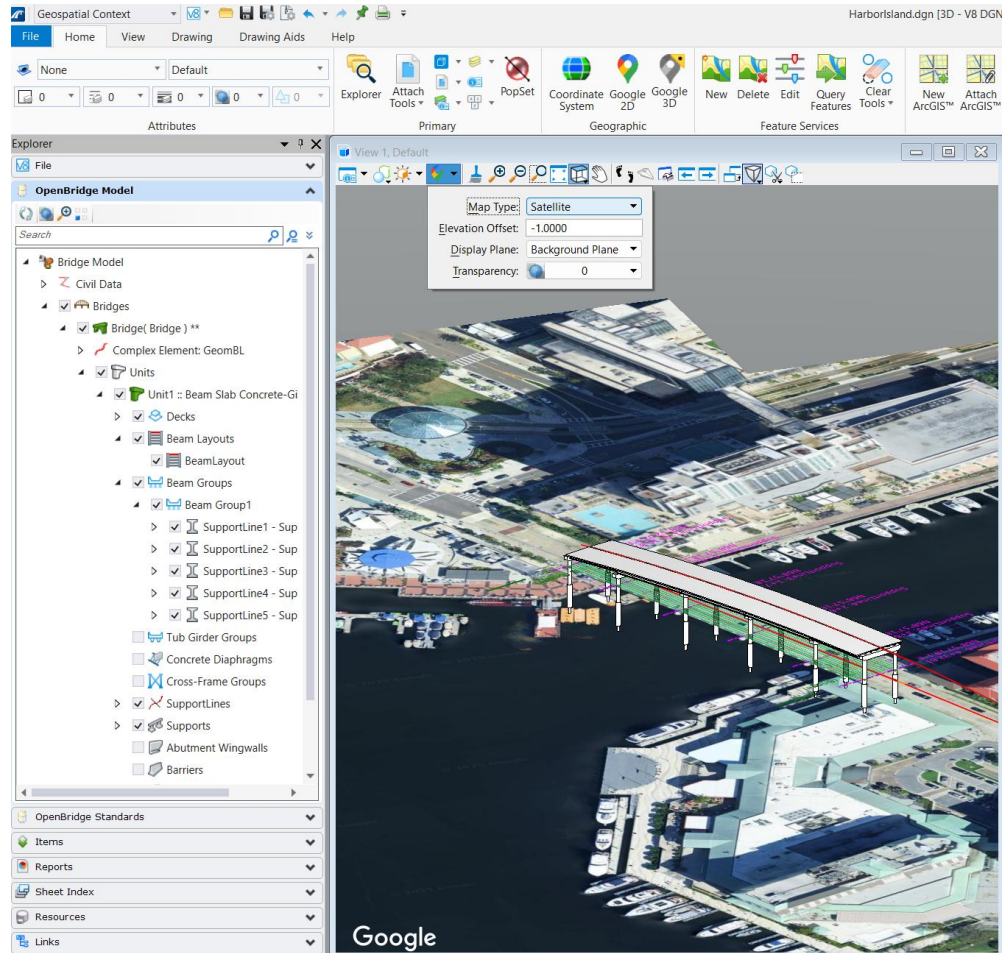
# Google Maps instead of Bing Maps (MicroStation)

- Icon in the View window toolbar
- Available if file has geocoordinates specified
- Road, Satellite or Hybrid options
- More up to date map source



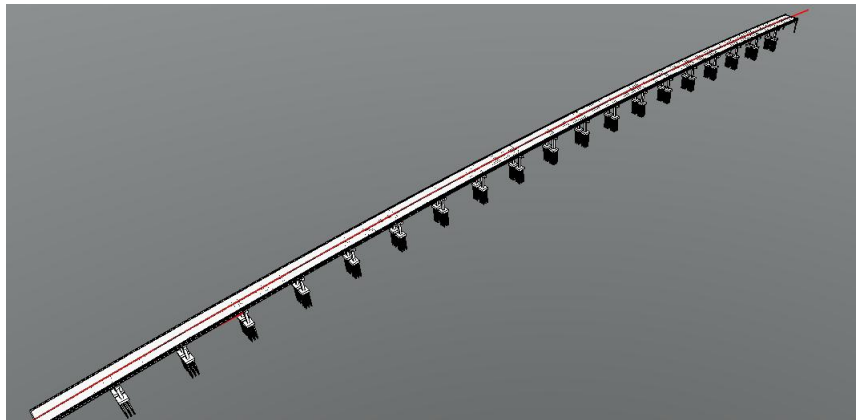


# Google Maps (2D) and (3D)



# Continuous Steel Beam Reports per span

- Beam Elevation Reports
- Previous versions only allowed points for the entire length on the continuous span
- Now possible to get points for each span
- New options for Bearing-to-Bearing (\*)



Span Support Line 1 - Support Line 2

Beam Name	Reference	0+00.00	0+100.00	0+200.00	0+300.00	0+400.00	0+500.00	0+600.00	0+700.00	0+800.00	0+900.00	0+1000.00
Beam-1	0.00000	2.43021	4.86042	7.29063	9.72084	12.15104	14.58125	17.01145	19.44167	21.87187	24.30208	26.73228
Beam Top	34.59878	34.19714	34.84373	34.95772	35.09773	35.21269	35.33969	35.45970	35.57470	35.71160	35.83959	35.95959
Beam Bottom	34.13794	34.26196	34.38598	34.50999	34.63399	34.75799	34.88199	35.00599	35.12999	35.25399	35.37799	35.50199
Beam-2	0.00000	2.42984	4.85967	7.28981	9.71999	12.14999	14.57999	16.99999	19.42999	21.85999	24.28999	26.71999
Beam Top	34.63680	34.70777	34.88473	35.00873	35.13273	35.25673	35.38073	35.50473	35.62873	35.75273	35.87673	36.00073
Beam Bottom	34.17903	34.30399	34.42899	34.55299	34.67699	34.79999	34.92399	35.04799	35.17199	35.29599	35.41999	35.54399
Beam-3	0.00000	2.42167	4.84333	7.26500	9.68667	12.10833	14.53000	16.95167	19.37333	21.79500	24.21667	26.63833
Beam Top	34.67781	34.80178	34.92578	35.04978	35.17378	35.29778	35.42178	35.54578	35.66978	35.79378	35.91778	36.04178
Beam Bottom	34.22001	34.34499	34.46978	34.59394	34.71892	34.84399	34.96897	35.09395	35.21893	35.34391	35.46889	35.59387
Beam-4	0.00000	2.41740	4.83473	7.26219	9.68399	12.09999	14.52473	16.94777	19.36977	21.79177	24.21377	26.63577
Beam Top	34.63680	34.76080	34.88478	35.00875	35.13273	35.25670	35.38067	35.50465	35.62862	35.75260	35.87657	36.00055
Beam Bottom	34.17903	34.30300	34.42698	34.55095	34.67493	34.79890	34.92287	35.04685	35.17082	35.29480	35.41877	35.54275
Beam-5	0.00000	2.41312	4.82623	7.25897	9.68050	12.09592	14.47818	16.89187	19.30556	21.71914	24.13272	26.54630
Beam Top	34.69880	34.71880	34.84373	34.96772	35.09174	35.21573	35.33969	35.46366	35.58764	35.71160	35.83557	35.95953
Beam Bottom	34.13053	34.26002	34.38599	34.50999	34.63399	34.75794	34.88188	35.00583	35.12982	35.25380	35.37777	35.50173

Span Support Line 2 - Support Line 3

Beam Name	Reference	0+100.00	0+200.00	0+300.00	0+400.00	0+500.00	0+600.00	0+700.00	0+800.00	0+900.00	0+1000.00
Beam-1	0.00000	2.84025	5.68050	8.52075	11.36100	14.20125	17.04150	19.88175	22.72200	25.56225	28.40250
Beam Top	35.83558	35.88558	35.93558	35.98558	36.03558	36.08558	36.13558	36.18558	36.23558	36.28558	36.33558
Beam Bottom	35.37778	35.42778	35.47778	35.52778	35.57778	35.62778	35.67778	35.72778	35.77778	35.82778	35.87778
Beam-2	0.00000	2.83912	5.67823	8.51833	11.35858	14.19883	17.03908	19.87933	22.71958	25.55983	28.39998
Beam Top	35.81658	35.82658	35.83658	35.84658	35.85658	35.86658	35.87658	35.88658	35.89658	35.90658	35.91658
Beam Bottom	35.31878	35.36878	35.41878	35.46878	35.51878	35.56878	35.61878	35.66878	35.71878	35.76878	35.81878

OpenBridge Modeler version 99.99.99  
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May 11, 2025 08:31:45 PM

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Span Support Line 3 - Support Line 4

Beam Name	Reference	0+100.00	0+200.00	0+300.00	0+400.00	0+500.00	0+600.00	0+700.00	0+800.00	0+900.00	0+1000.00
Beam-3	0.00000	2.83000	5.66000	8.49000	11.32000	14.15000	16.98000	19.81000	22.64000	25.47000	28.30000
Beam Top	35.81978	35.86978	35.91978	35.96978	36.01978	36.06978	36.11978	36.16978	36.21978	36.26978	36.31978
Beam Bottom	35.48978	35.53978	35.58978	35.63978	35.68978	35.73978	35.78978	35.83978	35.88978	35.93978	35.98978
Beam-4	0.00000	2.82887	5.65773	8.48760	11.31690	14.14690	16.97690	19.80690	22.63690	25.46690	28.29690
Beam Top	35.81978	35.82978	35.83978	35.84978	35.85978	35.86978	35.87978	35.88978	35.89978	35.90978	35.91978
Beam Bottom	35.41878	35.46878	35.51878	35.56878	35.61878	35.66878	35.71878	35.76878	35.81878	35.86878	35.91878
Beam-5	0.00000	2.81978	5.63956	8.45933	11.27900	14.10900	16.93900	19.76900	22.59900	25.42900	28.25900
Beam Top	35.83558	35.88558	35.93558	35.98558	36.03558	36.08558	36.13558	36.18558	36.23558	36.28558	36.33558
Beam Bottom	35.37777	35.42777	35.47777	35.52777	35.57777	35.62777	35.67777	35.72777	35.77777	35.82777	35.87777

Span Support Line 4 - Support Line 5

Beam Name	Reference	0+100.00	0+200.00	0+300.00	0+400.00	0+500.00	0+600.00	0+700.00	0+800.00	0+900.00	0+1000.00
Beam-1	0.00000	1.84011	3.68022	5.52033	7.36044	9.20055	11.04066	12.88077	14.72088	16.56099	18.40110
Beam Top	36.83558	36.84558	36.85558	36.86558	36.87558	36.88558	36.89558	36.90558	36.91558	36.92558	36.93558
Beam Bottom	35.37778	35.42778	35.47778	35.52778	35.57778	35.62778	35.67778	35.72778	35.77778	35.82778	35.87778
Beam-2	0.00000	1.83912	3.67823	5.51833	7.35844	9.19855	11.03866	12.87877	14.71888	16.55899	18.39910
Beam Top	36.81658	36.82658	36.83658	36.84658	36.85658	36.86658	36.87658	36.88658	36.89658	36.90658	36.91658
Beam Bottom	35.31878	35.36878	35.41878	35.46878	35.51878	35.56878	35.61878	35.66878	35.71878	35.76878	35.81878
Beam-3	0.00000	1.83000	3.66000	5.50000	7.34000	9.18000	11.02000	12.86000	14.70000	16.54000	18.38000
Beam Top	36.81978	36.82978	36.83978	36.84978	36.85978	36.86978	36.87978	36.88978	36.89978	36.90978	36.91978
Beam Bottom	35.35978	35.40978	35.45978	35.50978	35.55978	35.60978	35.65978	35.70978	35.75978	35.80978	35.85978
Beam-4	0.00000	1.82887	3.65773	5.49760	7.33760	9.17760	11.01760	12.85760	14.69760	16.53760	18.37760
Beam Top	36.81978	36.82978	36.83978	36.84978	36.85978	36.86978	36.87978	36.88978	36.89978	36.90978	36.91978
Beam Bottom	35.31878	35.36878	35.41878	35.46878	35.51878	35.56878	35.61878	35.66878	35.71878	35.76878	35.81878
Beam-5	0.00000	1.81978	3.63956	5.48760	7.32760	9.16760	11.00760	12.84760	14.68760	16.52760	18.36760
Beam Top	36.83558	36.88558	36.93558	36.98558	37.03558	37.08558	37.13558	37.18558	37.23558	37.28558	37.33558
Beam Bottom	35.37777	35.42777	35.47777	35.52777	35.57777	35.62777	35.67777	35.72777	35.77777	35.82777	35.87777

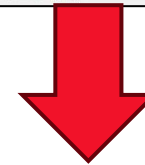
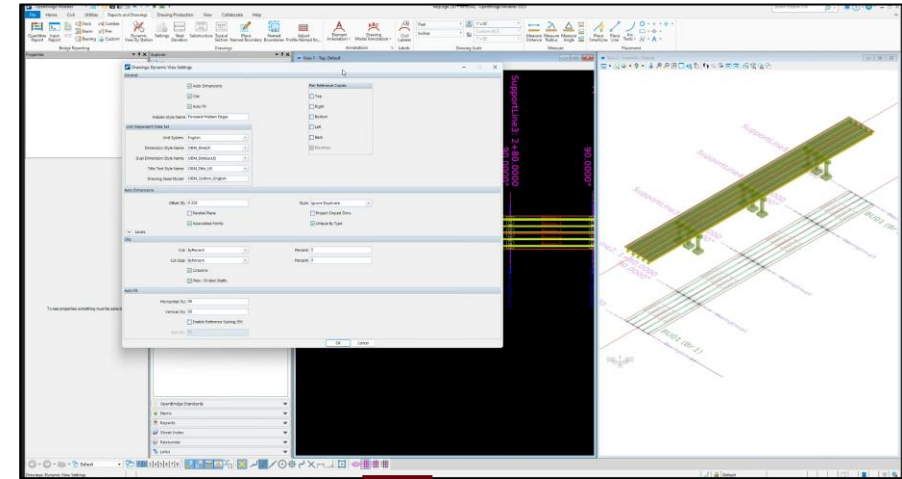
Span Support Line 5 - Support Line 6

Beam Name	Reference	0+100.00	0+200.00	0+300.00	0+400.00	0+500.00	0+600.00	0+700.00	0+800.00	0+900.00	0+1000.00
Beam-1	0.00000	1.84011	3.68022	5.52033	7.36044	9.20055	11.04066	12.88077	14.72088	16.56099	18.40110
Beam Top	36.83558	36.84558	36.85558	36.86558	36.87558	36.88558	36.89558	36.90558	36.91558	36.92558	36.93558
Beam Bottom	35.37778	35.42778	35.47778	35.52778	35.57778	35.62778	35.67778	35.72778	35.77778	35.82778	35.87778
Beam-2	0.00000	1.83912	3.67823	5.51833	7.35844	9.19855	11.03866	12.87877	14.71888	16.55899	18.39910
Beam Top	36.81658	36.82658	36.83658	36.84658	36.85658	36.86658	36.87658	36.88658	36.89658	36.90658	36.91658
Beam Bottom	35.31878	35.36878	35.41878	35.46878	35.51878	35.56878	35.61878	35.66878	35.71878	35.76878	35.81878
Beam-3	0.00000	1.83000	3.66000	5.50000	7.34000	9.18000	11.02000	12.86000	14.70000	16.54000	18.38000
Beam Top	36.81978	36.82978	36.83978	36.84978	36.85978	36.86978	36.87978	36.88978	36.89978	36.90978	36.91978
Beam Bottom	35.35978	35.40978	35.45978	35.50978	35.55978	35.60978	35.65978	35.70978	35.75978	35.80978	35.85978
Beam-4	0.00000	1.82887	3.65773	5.49760	7.33760	9.17760	11.01760	12.85760	14.69760	16.53760	18.37760
Beam Top	36.81978	36.82978	36.83978	36.84978	36.85978	36.86978	36.87978	36.88978	36.89978	36.90978	36.91978
Beam Bottom	35.31878	35.36878	35.41878	35.46878	35.51878	35.56878	35.61878	35.66878	35.71878	35.76878	35.81878
Beam-5	0.00000	1.81978	3.63956	5.48760	7.32760	9.16760	11.00760	12.84760	14.68760	16.52760	18.36760
Beam Top	36.83558	36.88558	36.93558	36.98558	37.03558	37.08558	37.13558	37.18558	37.23558	37.28558	37.33558
Beam Bottom	35.37777	35.42777	35.47777	35.52777	35.57777	35.62777	35.67777	35.72777	35.77777	35.82777	35.87777



# F1 Help

- Context sensitive Help implemented
- Previously only opened the main help page
- Now goes to related help Topic



Bentley | OpenBridge Modeler Help

OpenBridge Modeler - Help > The Ribbon > Reports and Drawings > Drawings Settings tool

Drawings: Dynamic View Settings dialog

Used to specify

- the Settings tool is selected from the Drawings group on the Analysis and Reporting ribbon tab, or
- `berreport_settings_dynamicviewsettingscommand` is keyed in.

SETTING	DESCRIPTION
<b>GENERAL</b>	
AUTO DIMENSIONS	Check this option to generate dimensions automatically for the drawing elements. Opens the <b>Auto Dimensions</b> controls group.
CLIP	Check this option to Clip Columns and Piles to fit drawing sheet, rather than drawing them full length. Opens the <b>Clip</b> controls group.
AUTO FIT	Check this option to center and fit drawing into sheet. This may create a custom scale. Opens the <b>Auto Fit</b> controls group.
HIDDEN STYLE NAME	Type the style name used for hidden lines. Selected objects behind primary objects will be shown using this style. (e.g., Columns in the top view of the cap)
DIMENSION STYLE NAME	Type the dimension style name to be used for all dimensions.
TITLE TEXT STYLE NAME	Type in title style name to be used for all titles.
DRAWING SEED MODEL	Type the name of the drawing seed model to show by default in the <b>Create Drawing</b> dialog when the <b>Create Drawing</b> tool is selected.
PIER REFERENCE COPIES	OpenBridge Modeler uses the folded reference views concept to generate the various views from the Dynamic View. While the front elevation view is always included, you can select any other view you want in the drawing. Top Right Bottom Left

# Support Line Item Type Properties

Ahead Span

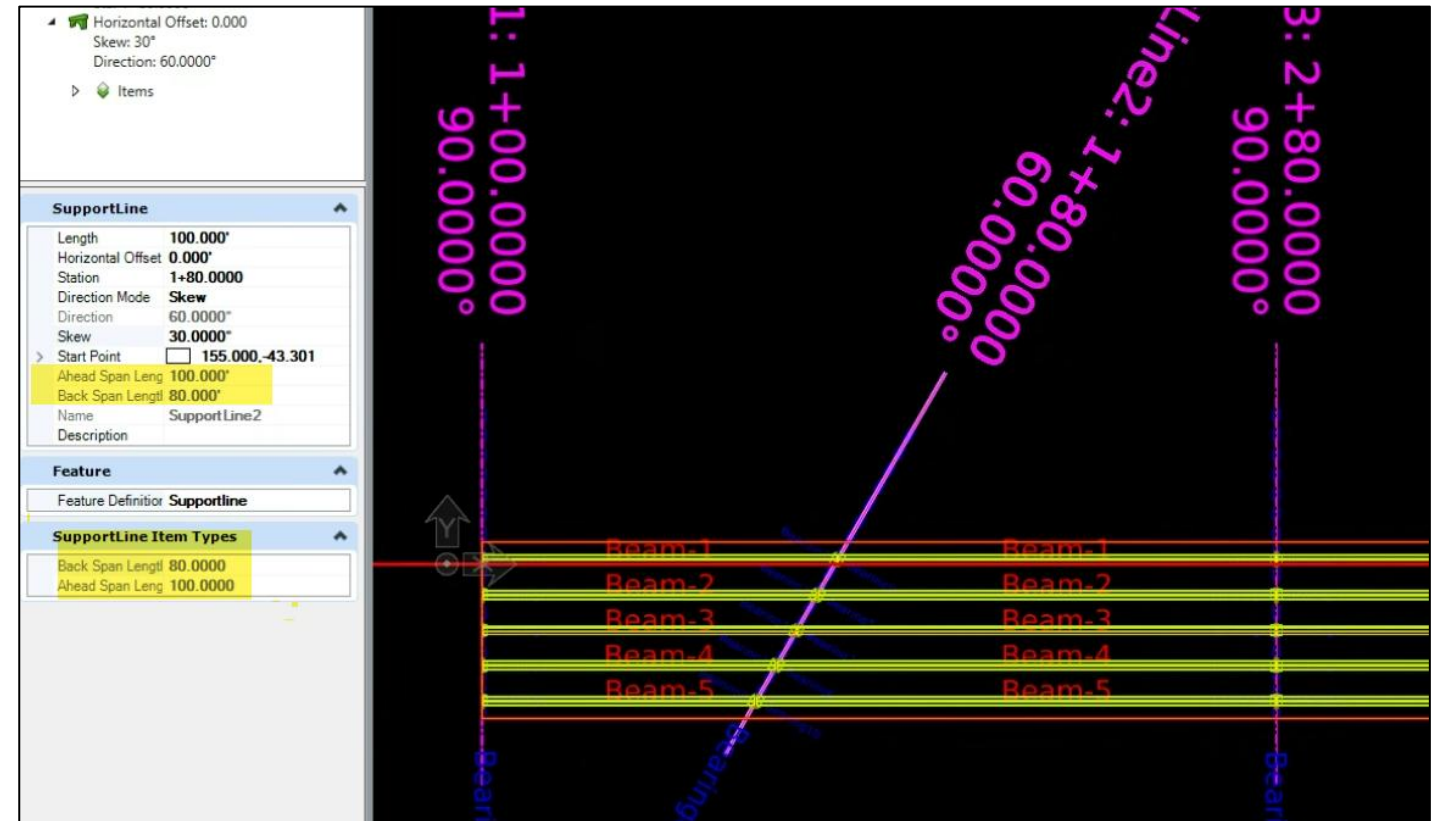
Forward Span

Span returned is the length measured along Alignment between Support Lines

Also accessible with Item Types

Item Type Expressions

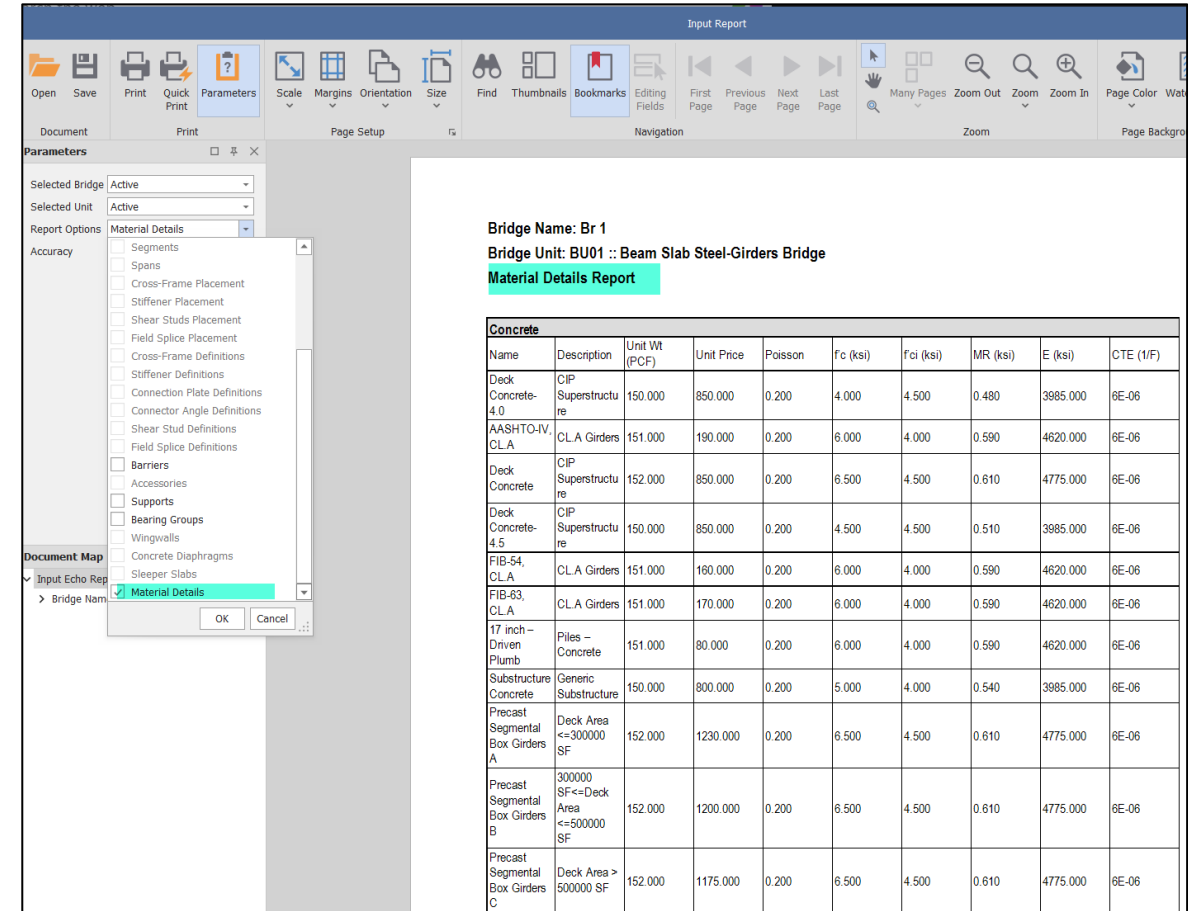
- `this.GetSupportLine().AheadSpanLength()`
- `this.GetSupportLine().BackSpanLength()`



# New Materials Details Report

While material names were printed, details were missing.

Materials are from the dgn file and not always matching those from the libraries.



The screenshot displays the 'Input Report' window in Bentley's software. The 'Parameters' panel on the left shows 'Selected Bridge: Active' and 'Selected Unit: Active'. The 'Report Options' panel is open, showing a list of material details categories. The 'Material Details' category is selected, and the 'Material Details' report is generated. The report title is 'Bridge Name: Br 1' and 'Bridge Unit: BU01 :: Beam Slab Steel-Girders Bridge'. The report content is a table of concrete materials.

Concrete									
Name	Description	Unit Wt (PCF)	Unit Price	Poisson	f <sub>c</sub> (ksi)	f <sub>ci</sub> (ksi)	MR (ksi)	E (ksi)	CTE (1/F)
Deck Concrete-4.0	CIP Superstructure	150.000	850.000	0.200	4.000	4.500	0.480	3985.000	6E-06
AASHTO-IV, CLA	CLA Girders	151.000	190.000	0.200	6.000	4.000	0.590	4620.000	6E-06
Deck Concrete	CIP Superstructure	152.000	850.000	0.200	6.500	4.500	0.610	4775.000	6E-06
Deck Concrete-4.5	CIP Superstructure	150.000	850.000	0.200	4.500	4.500	0.510	3985.000	6E-06
FIB-54, CLA	CLA Girders	151.000	160.000	0.200	6.000	4.000	0.590	4620.000	6E-06
FIB-63, CLA	CLA Girders	151.000	170.000	0.200	6.000	4.000	0.590	4620.000	6E-06
17 inch - Driven Plumb	Piles - Concrete	151.000	80.000	0.200	6.000	4.000	0.590	4620.000	6E-06
Substructure Concrete	Generic Substructure	150.000	800.000	0.200	5.000	4.000	0.540	3985.000	6E-06
Precast Segmental Box Girders A	Deck Area <= 300000 SF	152.000	1230.000	0.200	6.500	4.500	0.610	4775.000	6E-06
Precast Segmental Box Girders B	300000 SF <= Deck Area <= 500000 SF	152.000	1200.000	0.200	6.500	4.500	0.610	4775.000	6E-06
Precast Segmental Box Girders C	Deck Area > 500000 SF	152.000	1175.000	0.200	6.500	4.500	0.610	4775.000	6E-06



# Custom Reports

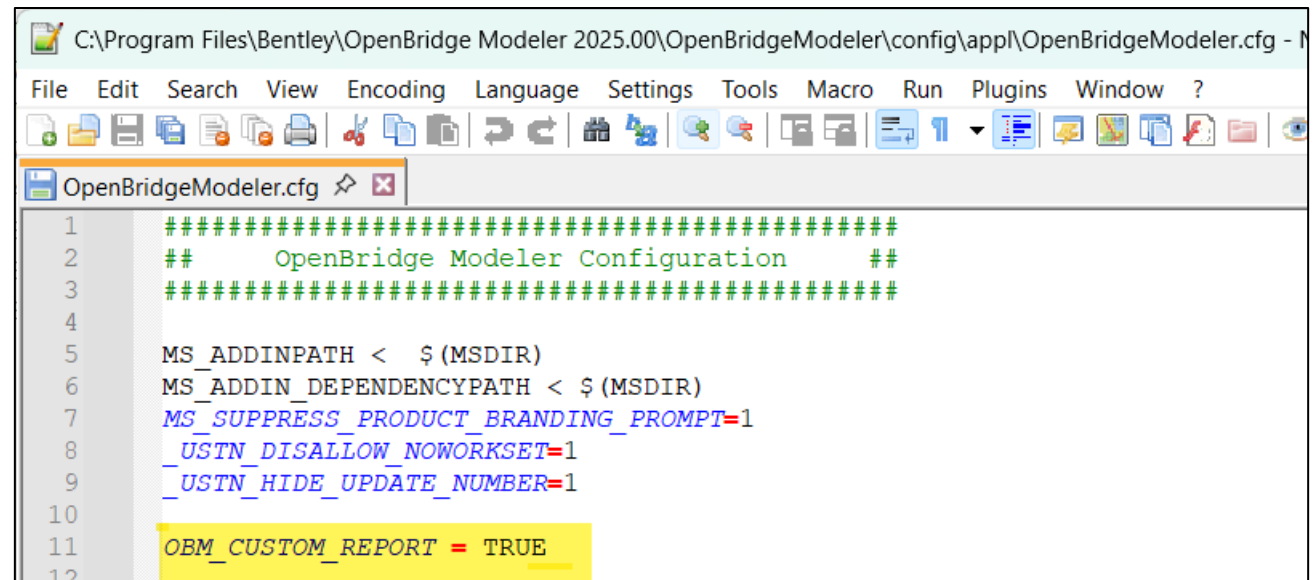
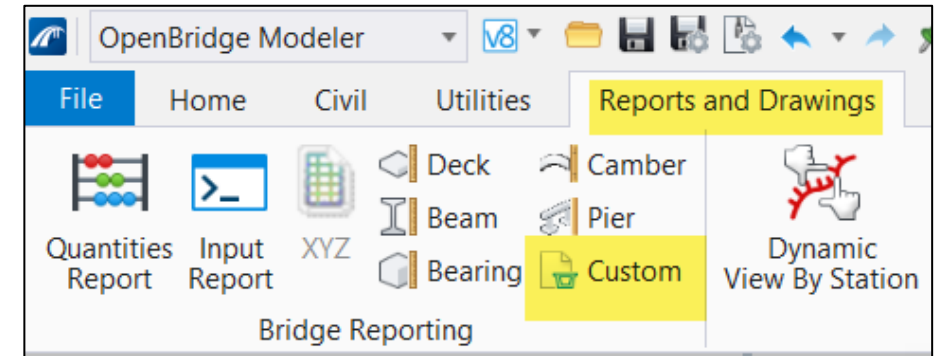
Several new reports added to facilitate comparison with a popular bridge geometry software

To remove this icon from the Ribbon toolbar, edit the cfg file and comment out the following line

```
OBM_CUSTOM_REPORT = TRUE
```

New reports for

- Bent Line
- Bents
- Beams
- Bearing Seat Elevations
- Quantities by Span



## New reports for

- OpenBridge Modeler**

File Edit View Tools Windows Help

Open Save Print Quick Print Parameters Scale Margins Orientation Size Find Thumbnails Bookmarks Editing Fields Navigation First Page Previous Page Next Page Last Page Many Pages Zoom Out Zoom In Page Color Watermark Export To E-Mail As Close

Document Print Page Setup Navigation Zoom Page Background Export Close

**Parameters**

Selected Bridge Active  
 Selected Unit Active  
 Report Options Supports, Beam Groups, B  
 Accuracy 0.1234

Reset Submit

**Document Map**

  - Input Echo Report
    - Bridge Name: Tx62 40-Rdwy 2-Span

**Bridge Name: Tx62 40-Rdwy 2-Span**  
**Bridge Unit: BU01 :: Beam Slab Concrete-Girders Bridge**

**BENT LINE REPORT**

	NAME	STATION	X	Y	POL ELEVATION	BEARING
Abutment 1	A+00.00	1399.1827	1011.4281	99.1130	N12°16'24.72"W	
Beam 2	A+65.00	1461.6215	1029.3204	99.0679	N19°43'19.14"W	
Abutment 3	B+30.00	1521.2127	1055.1739	99.0661	N27°10'13.57"W	

**BENT REPORT Abutment 1 / DISTANCE BETWEEN STATION LINE AND Bent L: 10.000**

SPAN	BEAM	BEAM SPAC. (CL BENT)	BEAM ANGLE (D/M/S)	DIST CL BENT PERP TO CL BENT	CL BRNG ALONG CL BEAM	DIST CL BENT PERP TO CL BENT	END OF BM ALONG CL BEAM
Abutment 1 - Beam-L	Beam-L	0.0000	86°16'25.15"	0.9979	1.0000	0.2495	-0.2500
Abutment 1 - Beam-2	Beam-2	0.0191	86°16'25.15"	0.9979	1.0000	0.2495	-0.2500
Abutment 1 - Beam-3	Beam-3	0.0191	86°16'25.15"	0.9979	1.0000	0.2495	-0.2500
Abutment 1 - Beam-4	Beam-4	0.0191	86°16'25.15"	0.9979	1.0000	0.2495	-0.2500
Abutment 1 - Beam-R	Beam-R	0.9427	86°16'25.05"	0.9979	1.0000	0.2495	-0.2500

**BENT REPORT Pier 1 / DISTANCE BETWEEN STATION LINE AND Bent L: 10.000**

SPAN	BEAM	BEAM SPAC. (CL BENT)	BEAM ANGLE (D/M/S)	DIST CL BENT PERP TO CL BENT	CL BRNG ALONG CL BEAM	DIST CL BENT PERP TO CL BENT	END OF BM ALONG CL BEAM
Abutment 1 - Beam-L	Beam-L	0.0000	86°16'39.42"	0.9979	1.0000	-0.2495	-0.2500
Abutment 1 - Beam-2	Beam-2	0.0190	86°16'39.42"	0.9979	1.0000	-0.2495	-0.2500
Abutment 1 - Beam-3	Beam-3	0.0190	86°16'39.42"	0.9979	1.0000	-0.2495	-0.2500
Abutment 1 - Beam-4	Beam-4	0.0190	86°16'39.42"	0.9979	1.0000	-0.2495	-0.2500
Abutment 1 - Beam-R	Beam-R	0.9427	86°16'39.32"	0.9979	1.0000	-0.2495	-0.2500

**BENT REPORT Pier 1 / DISTANCE BETWEEN STATION LINE AND Bent R: 10.000**

SPAN	BEAM	BEAM SPAC. (CL BENT)	BEAM ANGLE (D/M/S)	DIST CL BENT PERP TO CL BENT	CL BRNG ALONG CL BEAM	DIST CL BENT PERP TO CL BENT	END OF BM ALONG CL BEAM
Beam 2 - Abutment 3	Beam-L	0.0000	86°16'39.42"	0.9979	1.0000	0.2495	-0.2500
Beam 2 - Abutment 3	Beam-2	0.0190	86°16'39.42"	0.9979	1.0000	0.2495	-0.2500
Beam 2 - Abutment 3	Beam-3	0.0190	86°16'39.42"	0.9979	1.0000	0.2495	-0.2500
Beam 2 - Abutment 3	Beam-4	0.0190	86°16'39.42"	0.9979	1.0000	0.2495	-0.2500

**BENT REPORT Abutment 2 / DISTANCE BETWEEN STATION LINE AND Bent L: 10.000**

SPAN	BEAM	BEAM SPAC. (CL BENT)	BEAM ANGLE (D/M/S)	DIST CL BENT PERP TO CL BENT	CL BRNG ALONG CL BEAM	DIST CL BENT PERP TO CL BENT	END OF BM ALONG CL BEAM
Beam 2 - Abutment 3	Beam-L	0.0000	93°43'33.85"	0.9979	1.0000	-0.2495	-0.2500
Beam 2 - Abutment 3	Beam-2	0.0190	93°43'33.85"	0.9979	1.0000	-0.2495	-0.2500
Beam 2 - Abutment 3	Beam-3	0.0190	93°43'33.85"	0.9979	1.0000	-0.2495	-0.2500
Beam 2 - Abutment 3	Beam-4	0.0190	93°43'33.85"	0.9979	1.0000	-0.2495	-0.2500
Beam 2 - Abutment 3	Beam-R	0.9427	93°43'33.85"	0.9979	1.0000	-0.2495	-0.2500

**BEAM REPORT / SPAN: Abutment 1 - Bent 2**

BEAM	CC BENT	CC BRG	BOT BM FLG	SLOPE	BEARING
Beam-L	62.6158	60.6115	62.1158	-0.0007	N74°00'01.43"E
Beam-2	63.7874	61.7832	63.2874	-0.0007	N74°00'01.43"E
Beam-3	64.9591	62.9548	64.4591	-0.0007	N74°00'01.43"E
Beam-4	66.1307	64.1265	65.6307	-0.0007	N74°00'01.43"E
Beam-R	67.2924	65.2882	65.7924	-0.0007	N74°00'01.33"E

**BEAM REPORT / SPAN: Bent 2 - Abutment 3**

BEAM</
--------

# Texas, quantities by Span

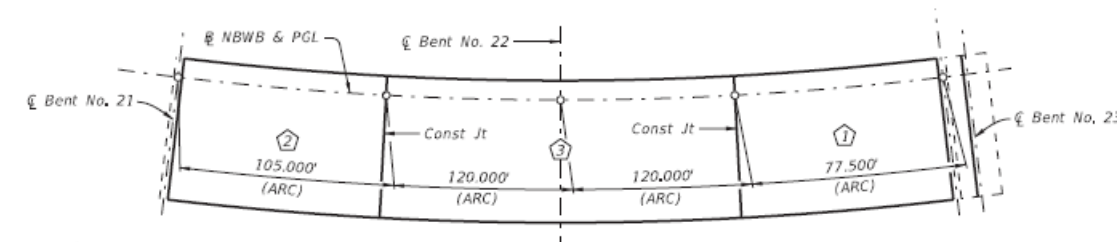
## Example 1, steel bridge

TABLE OF ESTIMATED QUANTITIES			
Span	Reinf Conc Slab	Reinforcing Steel (6)	Structural Steel (Plate Girder)
	SF	Lb	Lb
21	6377	29972	
22	5738 (9)	26969	
Total	12115	56941	986400

- ⑥ Reinforcing steel weight is calculated using an approximate factor of 4.7 lbs per sq ft.
- ⑦ Composite concrete DL is included.
- ⑧ Dead load deflections and camber "Y" values calculated assuming continuous concrete slab placement, per Item 422.4.6.13.3.
- ⑨ Quantity includes slab area over Bent 23 Inverted T

TABLE OF ESTIMATED QUANTITIES			
Span	Reinf Conc Slab	Reinforcing Steel (6)	Structural Steel (Plate Girder)
	SF	Lb	
21	6377	29972	
22	5738 (9)	26969	
Total	12115	56941	986400

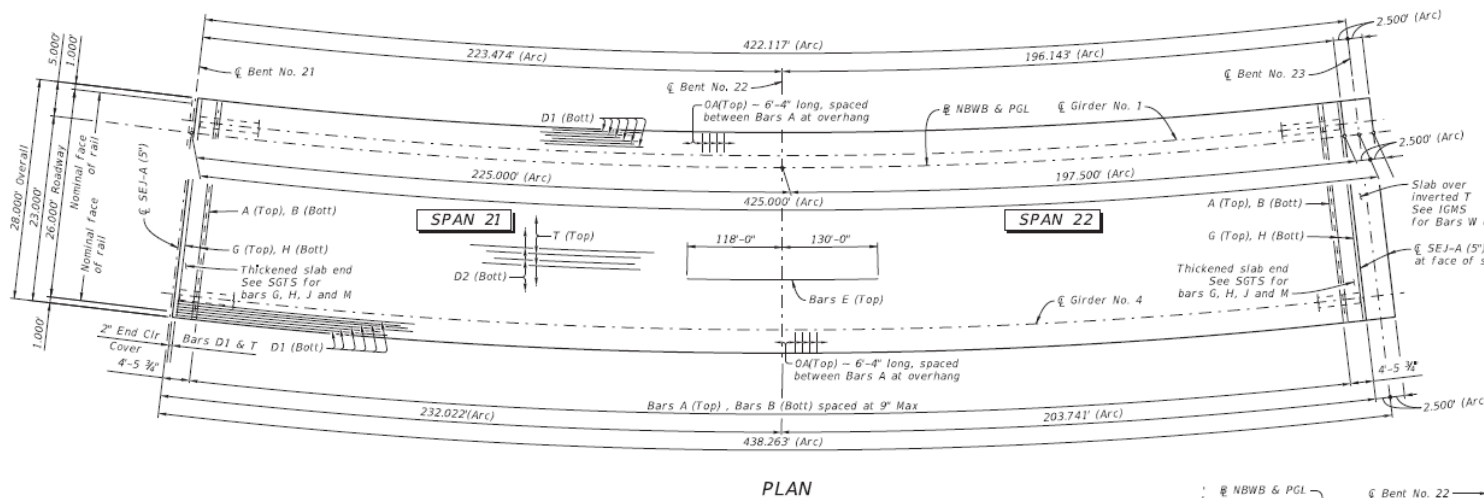
- ⑥ Reinforcing steel weight is calculated using an approximate factor of 4.7 lbs per sq ft.
- ⑦ Composite concrete DL is included.
- ⑧ Dead load deflections and camber "Y" values calculated assuming continuous concrete slab placement, per Item 422.4.6.13.3.
- ⑨ Quantity includes slab area over Bent 23 Inverted T



### OPTIONAL CONCRETE PLACING SEQUENCE

Use above placing sequence if continuous placement cannot be achieved.

thickness, ft	0.708333		
width, ft	28		
Align Arc Radius, f	225	(105+120)	
Volume	4462.5		
Area	6300	Plans show	6377 ft





# Quantities Report by Span

## Custom Report

Parameters

Selected Bridge

Active

Selected Unit

Active

Report Options

Quantities By Spa

Steel Weight Factors:

Concrete Beams

3.9

Steel Beams

4.4

Accuracy

0.123

Reset

Submit

TABLE OF ESTIMATED QUANTITIES			
Span	Reinf Conc Slab	Reinforcing Steel ⑥	Structural Steel (Plate Girder)
	SF	Lb	Lb
21	6377	29972	
22	5738 ⑨	26969	
Total	12115	56941	986400

⑥ Reinforcing steel weight is calculated using an approximate factor of 4.7 lbs per sq ft.

⑦ Composite concrete DL is included.

⑧ Dead load deflections and camber "Y" values calculated assuming continuous concrete slab placement, per Item 422.4.6.13.3.

⑨ Quantity includes slab area over Bent 23 Inverted T

## Quantity Reports by Span

TABLE OF ESTIMATED QUANTITIES					
Span	Reinf Conc Slab	Reinforcing Steel	Structural Steel		
			Bottom Flange1	Top Flange1	Web1
	Square Foot	Lbs	Lbs	Lbs	Lbs
1	4687.902	20626.769			
2	6563.052	28877.430			
3	6563.053	28877.435			
4	4687.903	20626.772			
Total	22501.910	99008.406	258399.439	258399.299	323339.585

Note: Reinforcing steel weight is calculated using an approximate factor of 4.4 Lbs per Square Foot

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Bentley®

# Bent Line Report

For each support line, this report shows:

- Station
- X, Y (at the intersection of alignment with Support line)
- PGL – Elevation
- Bearing

Bent Lines Report					
BENT LINE REPORT					
NAME	STATION	X	Y	PGL ELEVATION	BEARING
SupportLine1	1+00.0000	99.740	1006.242	501.500	N07°09'43.10"W
SupportLine2	2+25.0000	222.045	1031.433	503.375	N16°06'51.98"W
SupportLine3	4+00.0000	383.540	1097.934	506.000	N28°38'52.40"W
SupportLine4	5+75.0000	526.756	1197.897	508.625	N41°10'52.83"W
SupportLine5	7+00.0000	614.035	1287.203	510.500	N50°08'01.71"W

BRIDGE GEOMETRY LIST												
CD	COMMAND	A	B	C	D	E	F	X(EAST) OR CORRECTION	Y(NORTH) OR STATION	RADIUS,OFFSET DISTANCE,ETC.	ELEV.	BEAR,AZ,SKEW D M S
NO												STORE
	NAME	3	22	HL93	BRIG	H	0	400.0000	530.0000	Bearing Seat Test		STR 1
	NPEN	3		(GREEN)								
	***** Dataset_10_Case_B *****											
	**** Support Lines - Update to Correct Sta *****											
	BENT	0	0	1	1	AB		0.0000	400.0000	0.0000		0 0 0.00
								1399.1827	1011.4281	0.0000	116.000	S 12 16 24.72 E SC 1
	BENT	0	0	2	2	IN		0.0000	465.0000	0.0000		0 0 0.00
								1461.6215	1029.3294	0.0000	118.600	S 19 43 19.14 E SC 2
	BENT	0	0	3	3	AB		0.0000	530.0000	0.0000		0 0 0.00
								1521.2127	1055.1739	0.0000	121.200	S 27 10 13.57 E SC 3

# Bent Report – Canned Report (Conc. Beams)

Available for

- Abutments
- Piers

Back and Forward spans for each Pier/Bent

Reports:

- Beam Spacing at CL of Bent
- Beam Angle
- Dist CL Bent Perp to CL Bent
- CL Bearing along CL Beam
- Dist CL Bent Perp to CL Bent
- End of Beam along CL Beam

## Bents Report

BENT REPORT Abutment1 / DISTANCE BETWEEN STATION LINE AND Beam-1: 16.000							
SPAN	BEAM	BEAM SPAC. (CL BENT)	BEAM ANGLE (D M S)	DIST CL BENT TO CL BRNG		DIST CL BENT TO END OF BM	
				PERP TO CL BENT	ALONG CL BEAM	PERP TO CL BENT	ALONG CL BEAM
SupportLine1 - SupportLine2	Beam-1	0.000	92°51'55.2909"	0.749	0.750	0.250	0.250
SupportLine1 - SupportLine2	Beam-2	8.010	92°51'55.2909"	0.749	0.750	0.250	0.250
SupportLine1 - SupportLine2	Beam-3	8.010	92°51'55.2909"	0.749	0.750	0.250	0.250
SupportLine1 - SupportLine2	Beam-4	8.010	92°51'55.2909"	0.749	0.750	0.250	0.250
SupportLine1 - SupportLine2	Beam-5	7.970	92°51'55.2593"	0.749	0.750	0.250	0.250

BENT REPORT Pier1 / DISTANCE BETWEEN STATION LINE AND Beam-1: 15.999							
SPAN	BEAM	BEAM SPAC. (CL BENT)	BEAM ANGLE (D M S)	DIST CL BENT TO CL BRNG		DIST CL BENT TO END OF BM	
				PERP TO CL BENT	ALONG CL BEAM	PERP TO CL BENT	ALONG CL BEAM
SupportLine1 - SupportLine2	Beam-1	0.000	87°08'08.8103"	0.749	0.750	-0.250	-0.250
SupportLine1 - SupportLine2	Beam-2	8.010	87°08'08.8103"	0.749	0.750	-0.250	-0.250
SupportLine1 - SupportLine2	Beam-3	8.010	87°08'08.8103"	0.749	0.750	-0.250	-0.250
SupportLine1 - SupportLine2	Beam-4	8.010	87°08'08.8103"	0.749	0.750	-0.250	-0.250
SupportLine1 - SupportLine2	Beam-5	7.970	87°08'08.7786"	0.749	0.750	-0.250	-0.250



# Beam Report

## TXDOT specific Report

BEAM REPORT, SPAN 1						
		HORIZONTAL	DISTANCE	TRUE DISTANCE	BEAM	
		C-C BENT	C-C BRG.	BOT. BM. FLG.	SLOPE	BEAM BEARING
BEAM	1	62.7458	60.7437	62.2987	0.04144	N 74 0 8.07 E
BEAM	2	63.8500	61.8479	63.4020	0.04072	N 74 0 8.07 E
BEAM	3	64.9542	62.9521	64.5053	0.04003	N 74 0 8.07 E
BEAM	4	66.0585	64.0563	65.6087	0.03937	N 74 0 8.07 E
BEAM	5	67.1627	65.1606	66.7121	0.03871	N 74 0 8.07 E

Bridge Name: Tx62 40-Rdwy 2-Span

Bridge Unit: BU01 :: Beam Slab Concrete-Girders Bridge

BEAM REPORT / SPAN: Abutment 1 - Bent 2					
BEAM	CC BENT	CC BRG	BOT BM FLG	SLOPE	BEARING
Beam-1	62.7458	60.7416	62.2992	0.0414	N74°00'08.07"E
Beam-2	63.8500	61.8458	63.4025	0.0407	N74°00'08.07"E
Beam-3	64.9542	62.9500	64.5059	0.0400	N74°00'08.07"E
Beam-4	66.0585	64.0542	65.6092	0.0394	N74°00'08.07"E
Beam-5	67.1627	65.1585	66.7126	0.0387	N74°00'08.07"E

# Bearing Report

For each Bearing reports

Beam Name

Nearest Bridge Alignment  
Station

Offset from Alignment

X, Y

Depth below Ref. Line

Reference Elevation

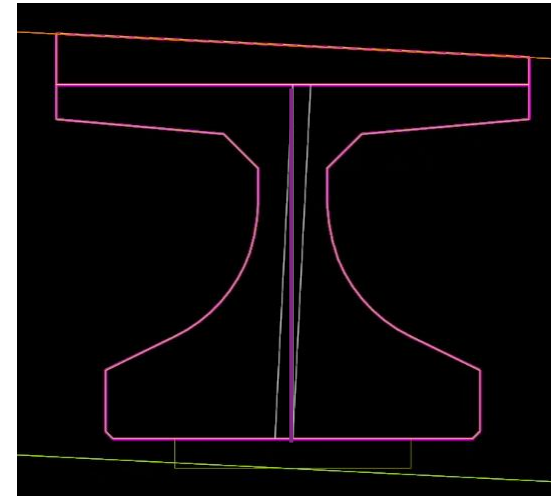
Bearing Seat Elevation

Bearing Seat Elevations Report								
BEARING SEAT ELEVATIONS FOR ABUTMENT1								
BEAM	NEAREST BRIDGE	OFFSET FROM BRIDGE	BEAM/BENT INTERSECTION		DEPTH TO	DEPTH BELOW	REFERENCE ELEVATION	BEARING SEAT
	ROADWAY STATION	BRIDGE ROADWAY	COORDINATES		REF LINE	REF LINE		ELEV
			X	Y				
BEAM REPORT, SPAN 2								
BEARING SEAT ELEVATIONS FOR BENT 2								
1	4+66.0331	-17.0639	1456.8021	1045.7301	0.0000	6.3975	118.3016	111.9041
2	4+66.0153	-8.5639	1459.6705	1037.7287	0.0000	6.3972	118.4709	112.0737
3	4+65.9980	-0.0640	1462.5389	1029.7273	0.0000	6.3973	118.6402	112.2429
4	4+65.9813	8.4360	1465.4073	1021.7259	0.0000	6.3974	118.8095	112.4121
5	4+65.9652	16.9360	1468.2756	1013.7245	0.0000	6.3972	118.9789	112.5817
BEARING SEAT ELEVATIONS FOR BENT 3								
1	5+28.9647	-17.0641	1512.5304	1069.8993	0.0000	8.9974	123.4187	114.4213
2	5+28.9826	-8.5641	1516.4119	1062.3373	0.0000	8.9973	123.5894	114.5921
3	5+28.9999	-0.0641	1520.2933	1054.7752	0.0000	8.9972	123.7601	114.7629
4	5+29.0166	8.4359	1524.1747	1047.2132	0.0000	8.9971	123.9308	114.9337
5	5+29.0328	16.9359	1528.0562	1039.6511	0.0000	8.9973	124.1014	115.1041
RF								
Beam-2	1+80.7426	-7.937	180.987	-12.596	5.737	99.841	94.104	
Beam-3	1+80.7501	0.079	179.199	-20.409	5.736	99.998	94.262	
Beam-4	1+80.7577	8.094	177.410	-28.223	5.736	99.838	94.102	
Beam-5	1+80.7654	16.047	175.636	-35.975	5.736	99.679	93.943	

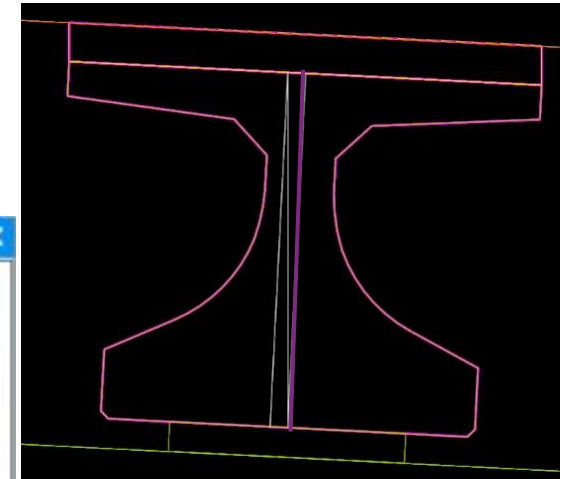
# TXDOT: Beam Rotation

This feature is applicable exclusively to straight, chorded beams and is limited to concrete beams only.

In the GUI, it can be found under Beam Group Properties, where the Beam Rotation Point can be set to either Top or Bottom.



WITHOUT ROTATION

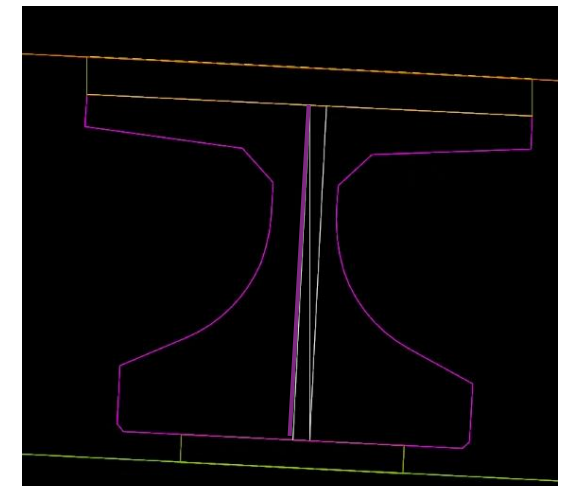


NEW BOTTOM ROTATION

General	
Bridge Name	Br 1
Bridge Descriptio	
Bridge Structure #	
State Element Num	109
NBI Element Num	109

Beam Group Properties	
Use Beam Rotation	True
Beam Rotation Point	Bottom
Follow Left Deck Edge	False
Follow Right Deck Edge	False
Construct Wet Joints	False
Beam Definition	SELECT to Edit

Feature	
Feature Definiti	Girder



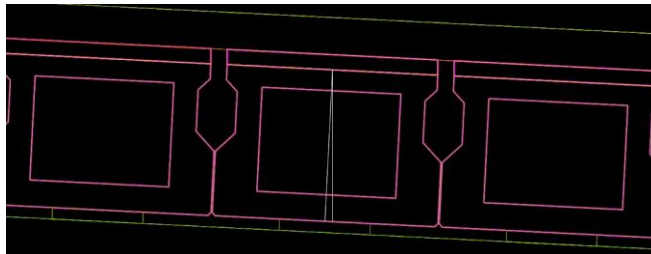
TOP POINT ROTATION



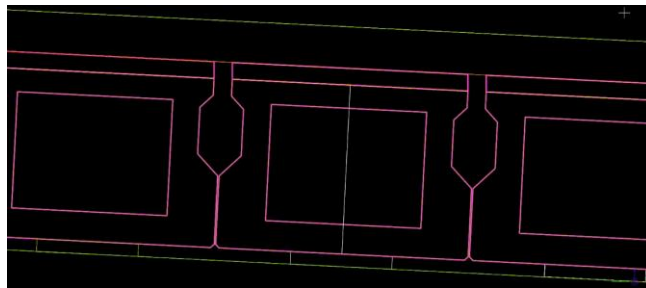
# TXDOT: Beam Rotation

X beams positioned at Crown

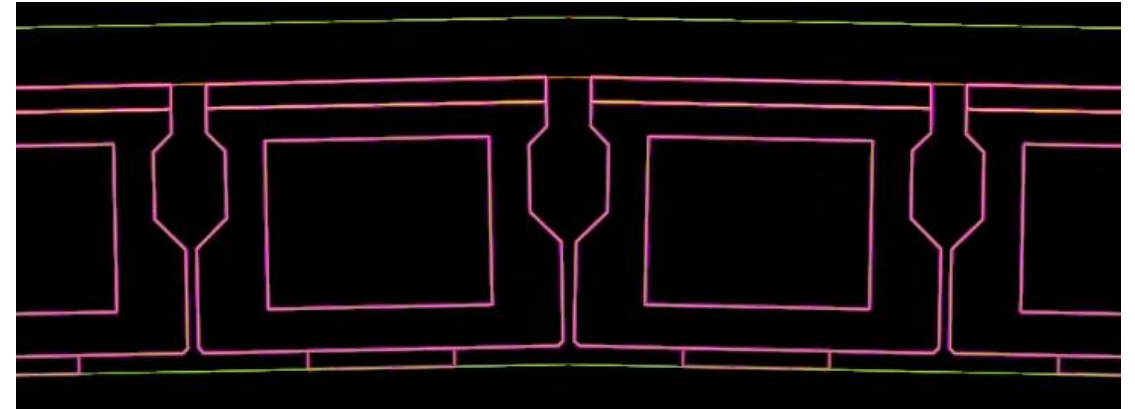
Overlap at the bottom is now prevented because the beams are rotated around the bottom rather than the top.



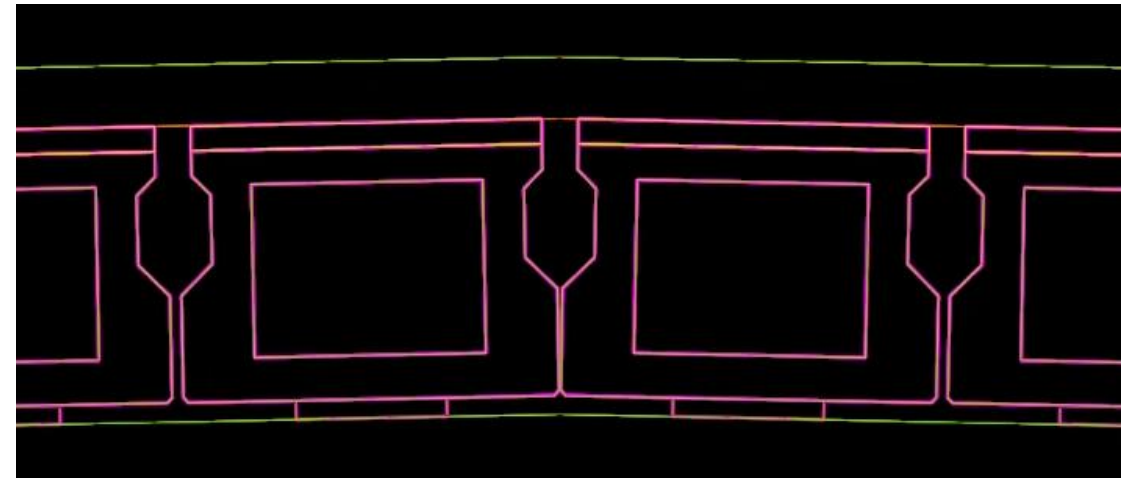
TOP ROTATION



BOTTOM ROTATION



BOTTOM ROTATION



TOP ROTATION

# Concrete Beams: End Cuts

Beam Definition > Advanced Beam Definition >

Define Width and Depth

Depth is measured from the top of the beam along the vertical axis of the beam.

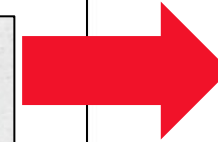
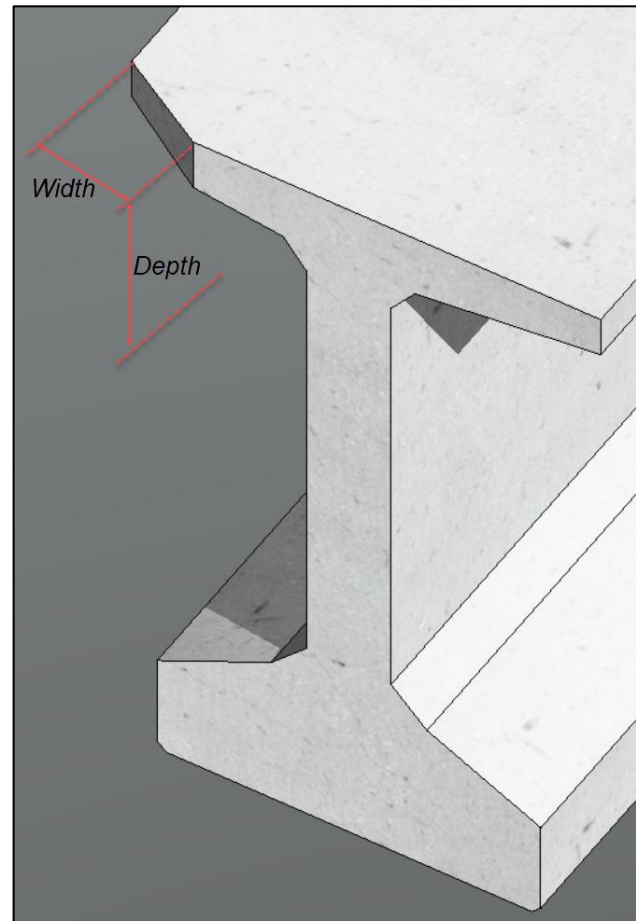
Width is measured perpendicular to the beam line from the beam edge.

Cut skew is determined by the skew of the support line.

Haunch cuts are applied automatically.

Specify these dimensions at the start and/or end of each beam.

Options are available to copy settings to other beams.

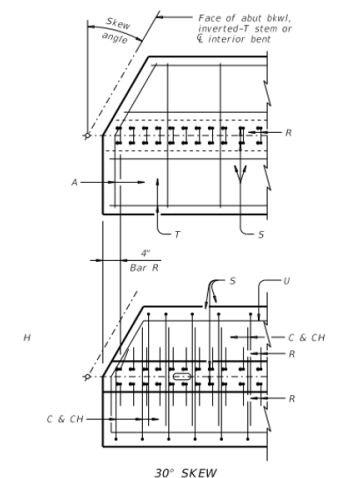


Advanced Beam Definition Dialog

	Start:	End:
Notch:	Length: (")	0.000
	Depth: (")	0.000
	Slope:	<input type="checkbox"/>
Dap:	Length: (")	0.000
	Depth: (")	0.000
Beam End Cut:	Width: (")	6.000
	Depth: (")	5.000

OK Cancel

IG-IGD-23



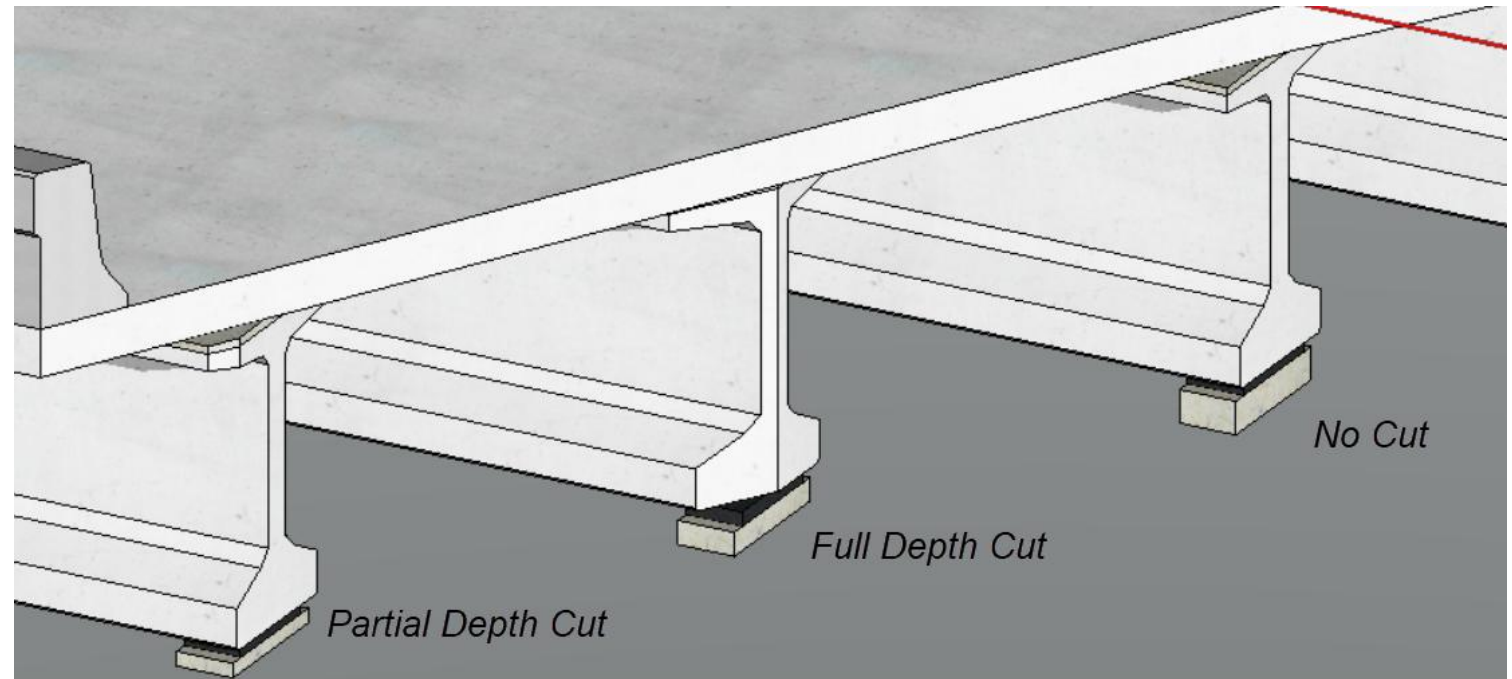
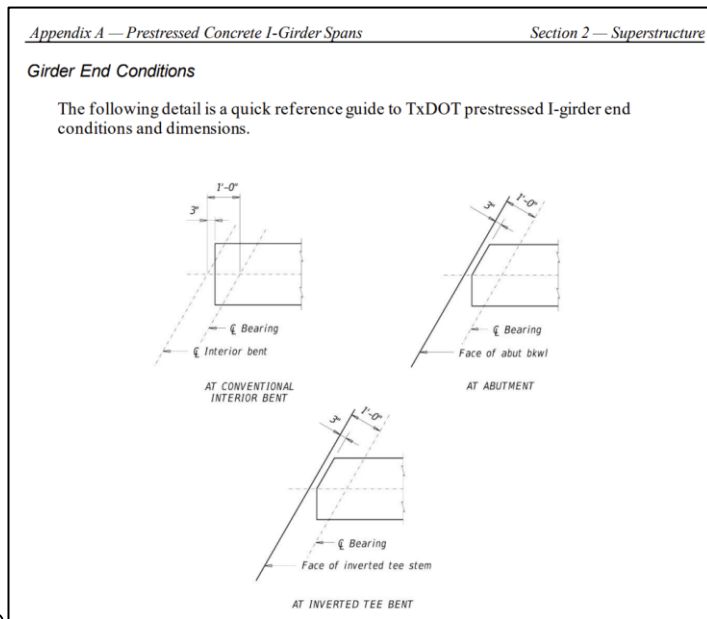
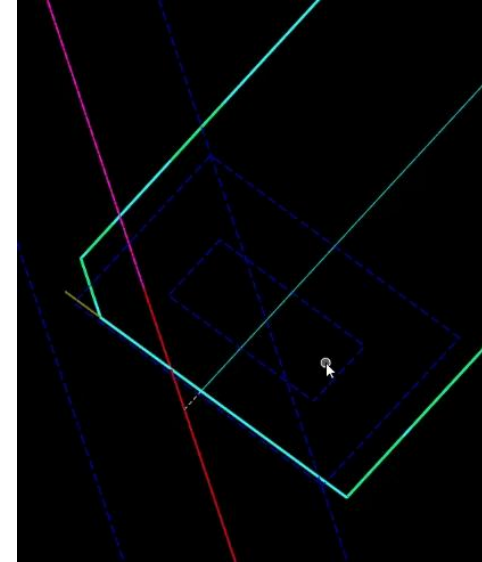
PLAN OF GIRDER ENDS

# Beam End Cuts

The process is not automatic; users must input the desired values manually.

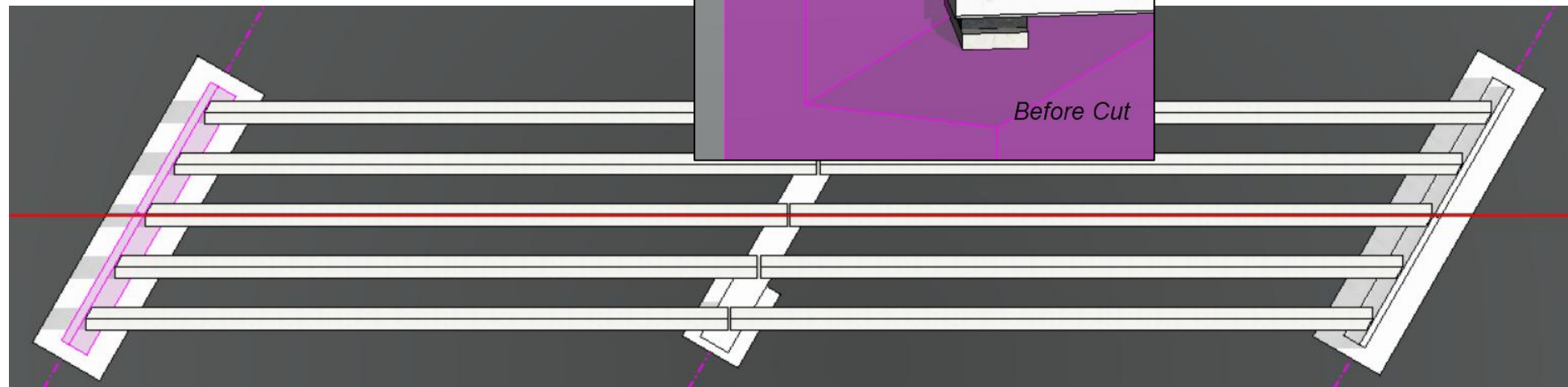
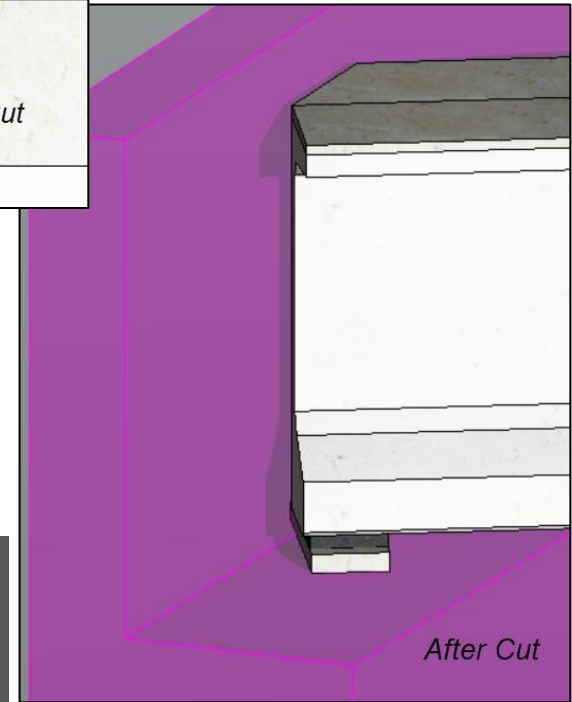
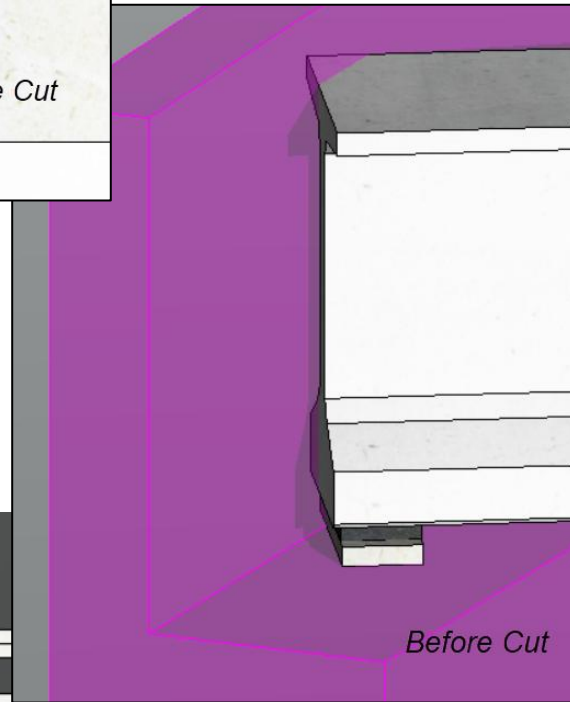
Decorations have been revised to correspond with the cut.

Cuts can only be made when the ends are skewed.

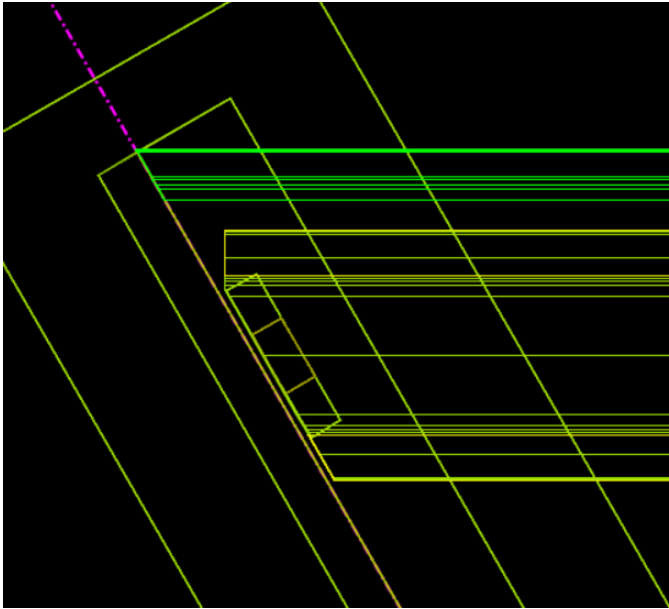




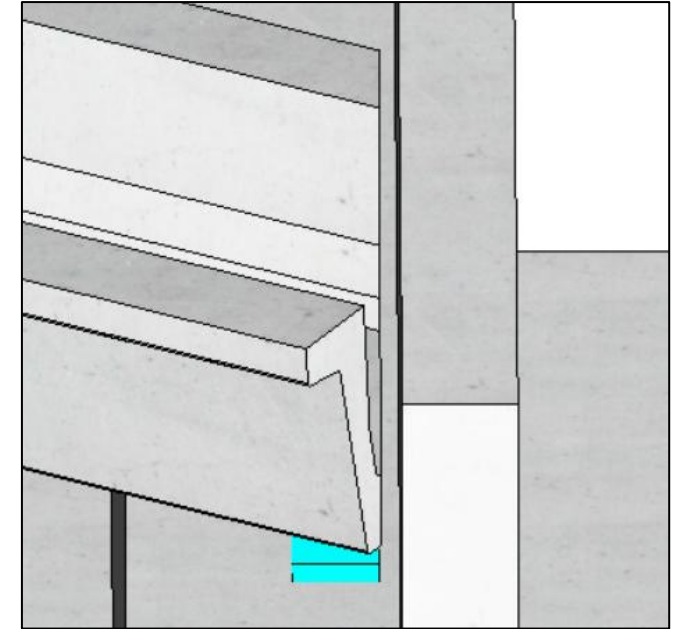
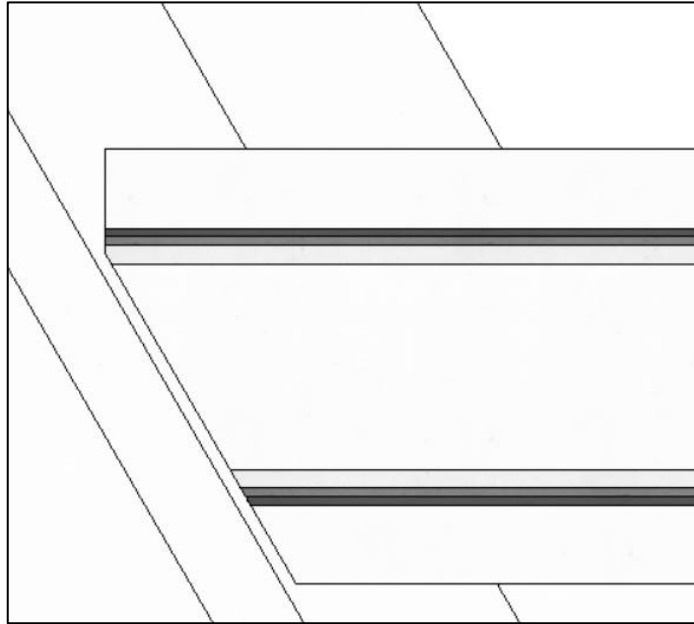
# Beam End Cuts



# Beam End Cuts for U Beams



Plan View



Iso View

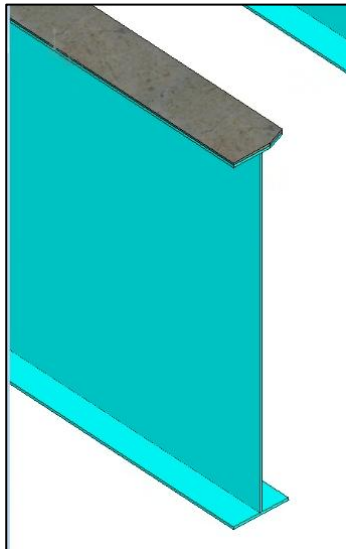
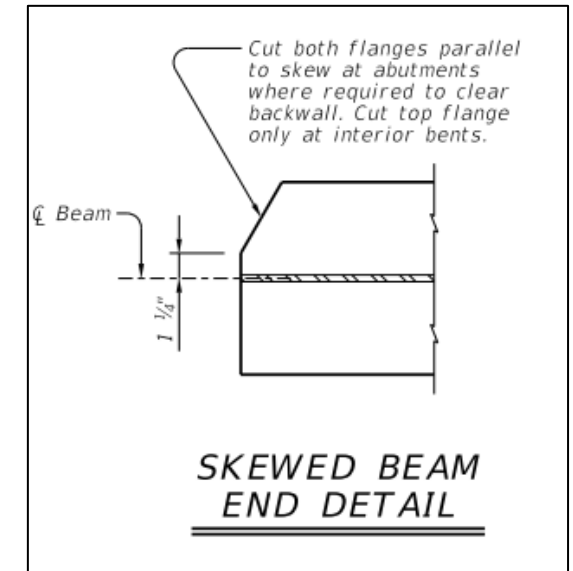
# Beam End Cuts for Steel Beams

Applicable for:

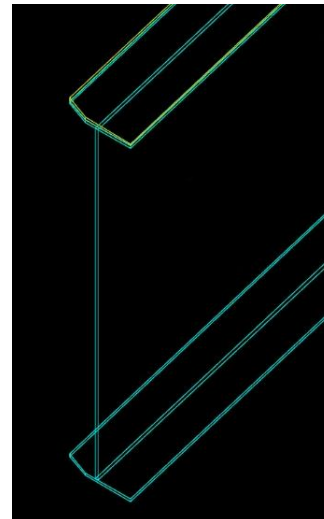
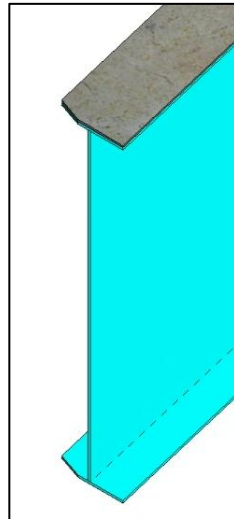
- Rolled Beams
- Built-up Beams

Restrictions: Currently not available for Tub Girders

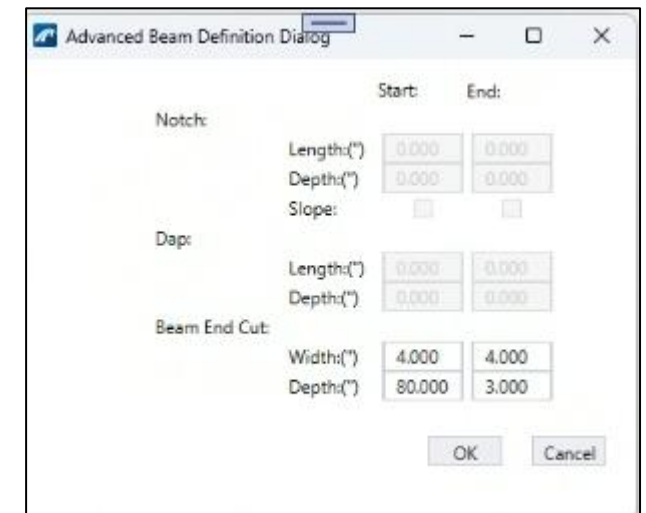
Allows entry of distinct values for the start and end points



*Only Top  
Flange  
Clipped*



*Both Top  
and  
Bottom  
Flanges  
Clipped*

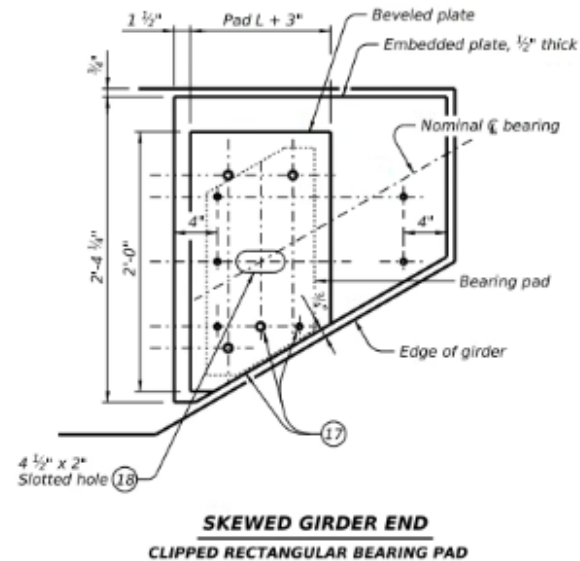
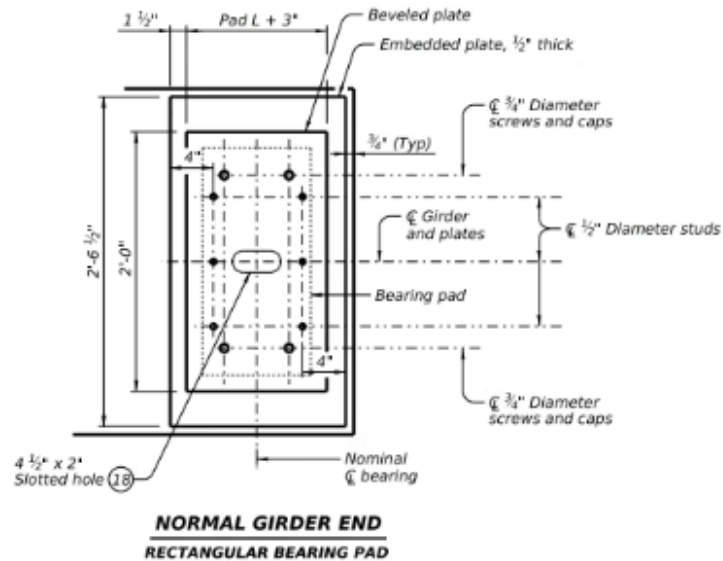




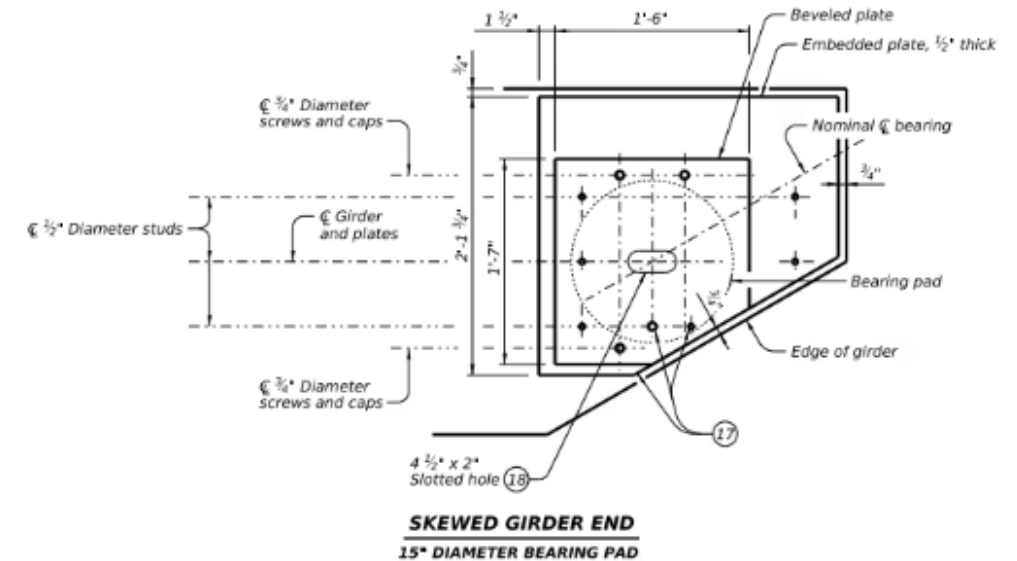
# Bearing Clips along with Bearing Seat End Clips

Input large depth for cutting bearing and bearing seats

No tie to "Clip Bearing seats" flag (which is only by backwall or width of pier)



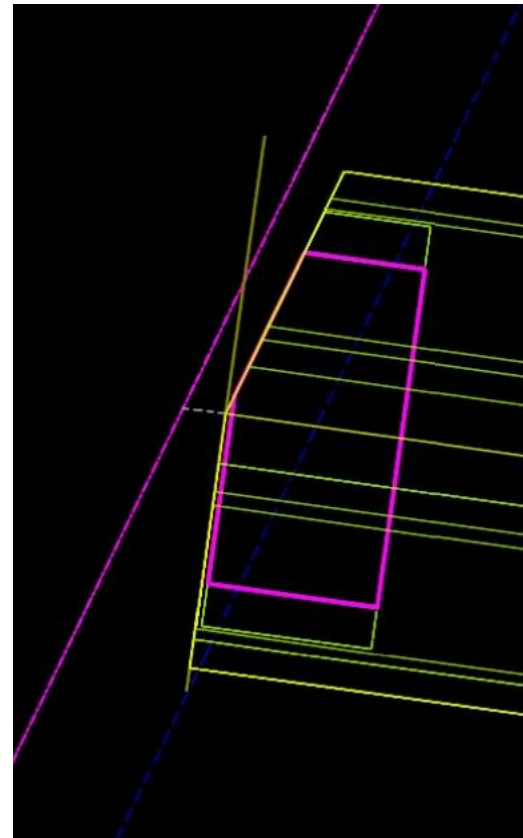
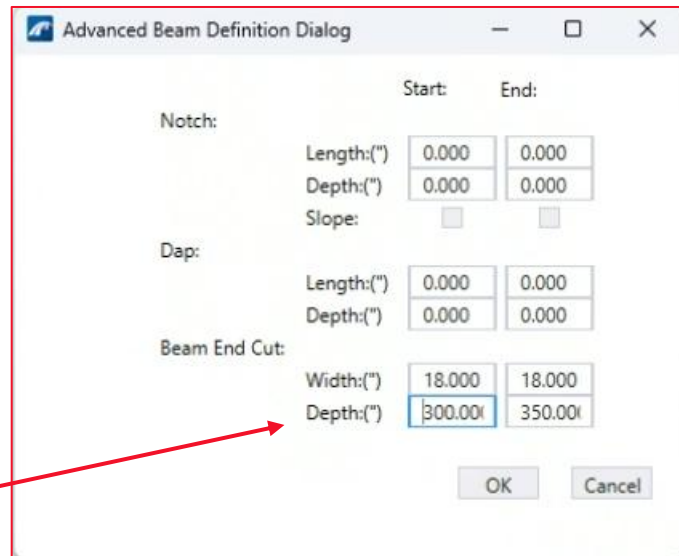
## PLAN VIEW OF SOLE PLATE DETAILS



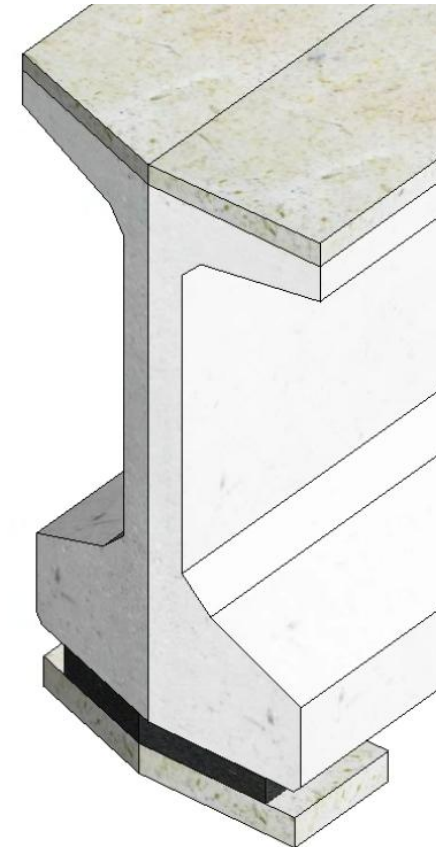
# Bearing Clips along with Bearing Seat End Clips

Input large value to clip the bearing seats and bearings

Unrelated to the other setting for Clip Bearings



Plan View



Iso View





# OpenBridge Designer 2025

*Major release*

Q4 - 2025

**Bentley**<sup>®</sup>

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# OpenBridge Designer

OpenBridge  
Designer

Bridge  
Modeling

OpenBridge  
Modeler

- 3D Physical BIM modeler
- Collaboration with roadway, survey, drainage, construction

Bridge  
Analysis/Design

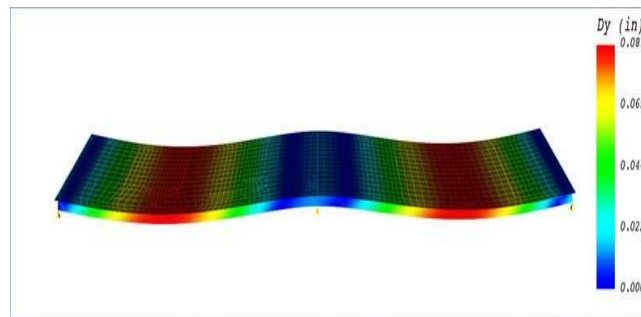
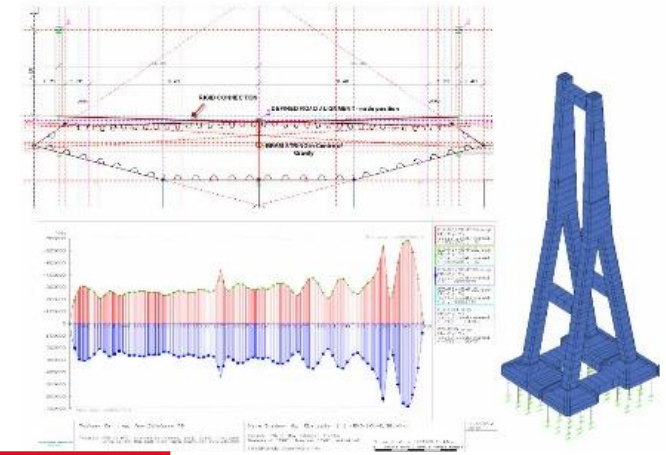
LEAP  
Bridge  
Concrete

LEAP  
Bridge  
Steel

RM Bridge

- For conventional everyday bridge design
- Used by ~40 US DOTs day-to-day

- For complex bridge design – suspension, cable stayed, etc.
- Used in many signature bridges worldwide





Ques

Who

??



# OpenBridge - Designer

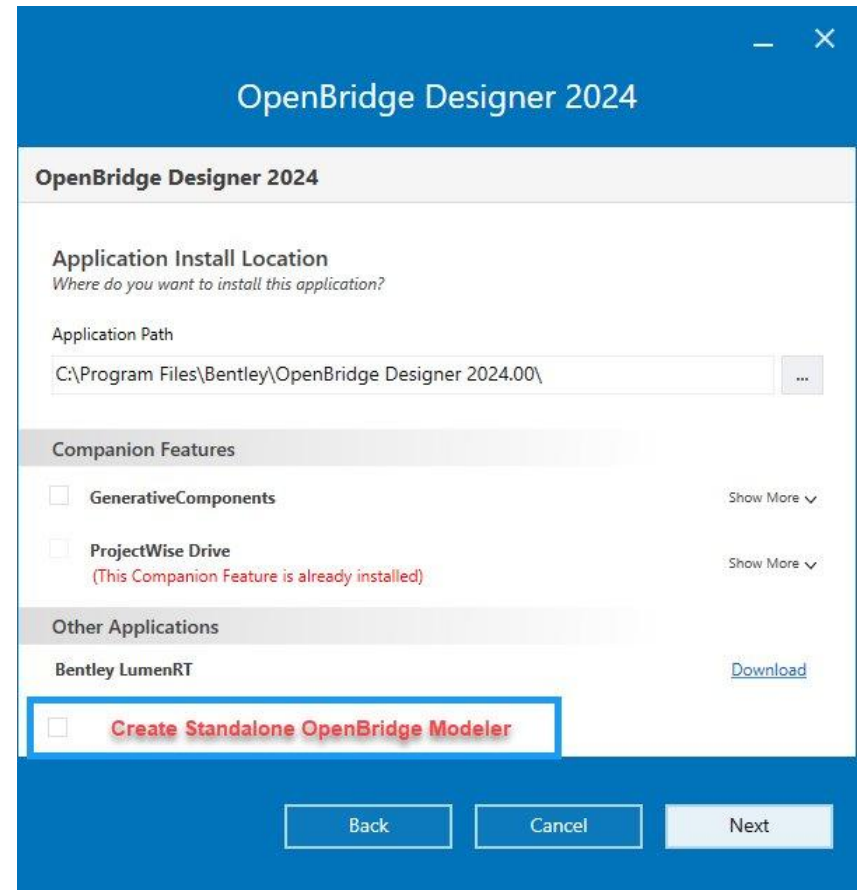
## "Standalone" option for Modeler

### Standalone Workflow:

- The OBD Installer will include an option allowing users to select a "standalone" version of OBM, operating independently from the OBD workflow.
- Selecting this option will create a new icon on the desktop.

When users launch the simplified OBM via this dedicated icon, the system will:

- Initiate a standalone instance of OBM.
- Treat the process as an OBD product, utilizing an OBD license rather than an OBM license.
- Limit or remove the ability to "Send to LEAP/RM," disabling any connection with Analytics.
- Operate without integration to the OBD dashboard or project tree, functioning as a standard standalone OBM version.

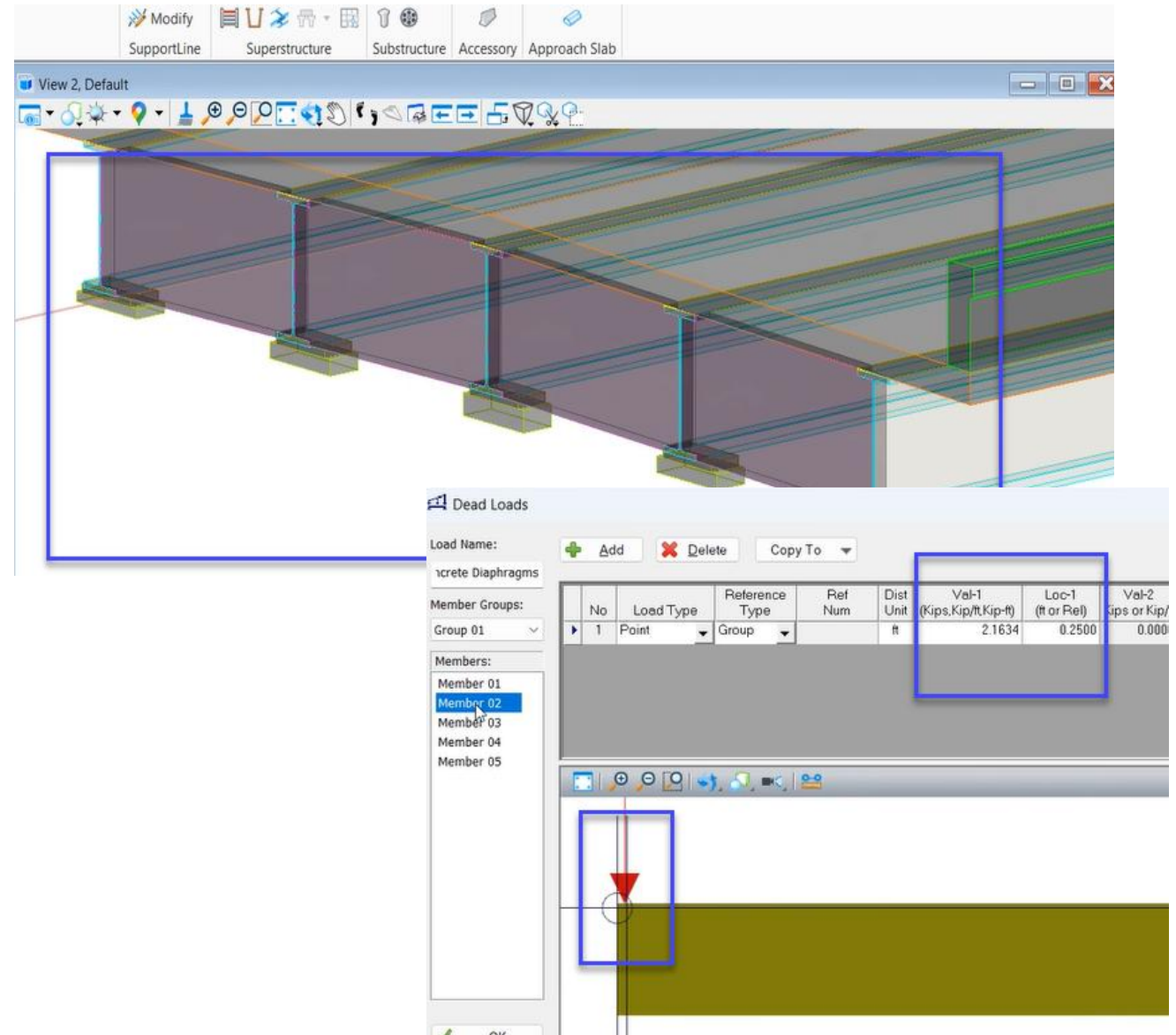
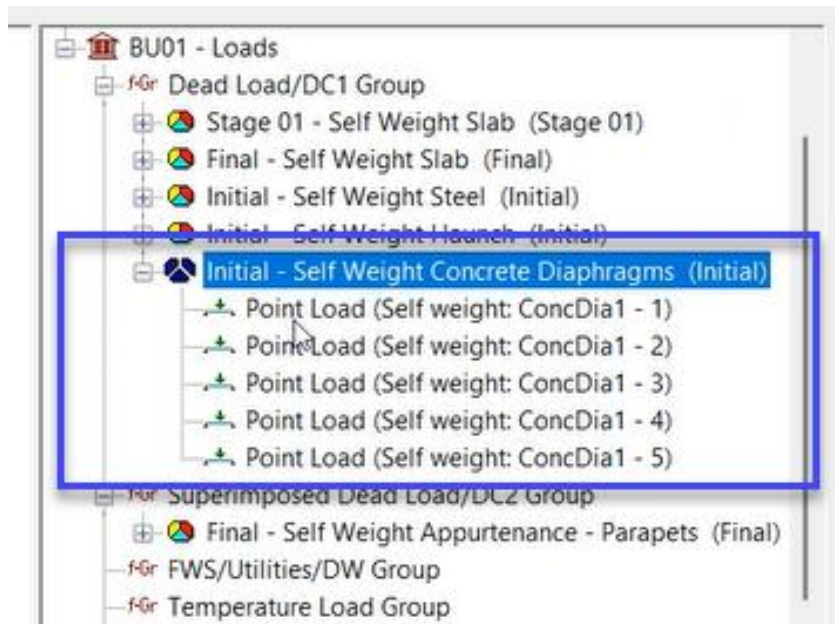


# Analytics



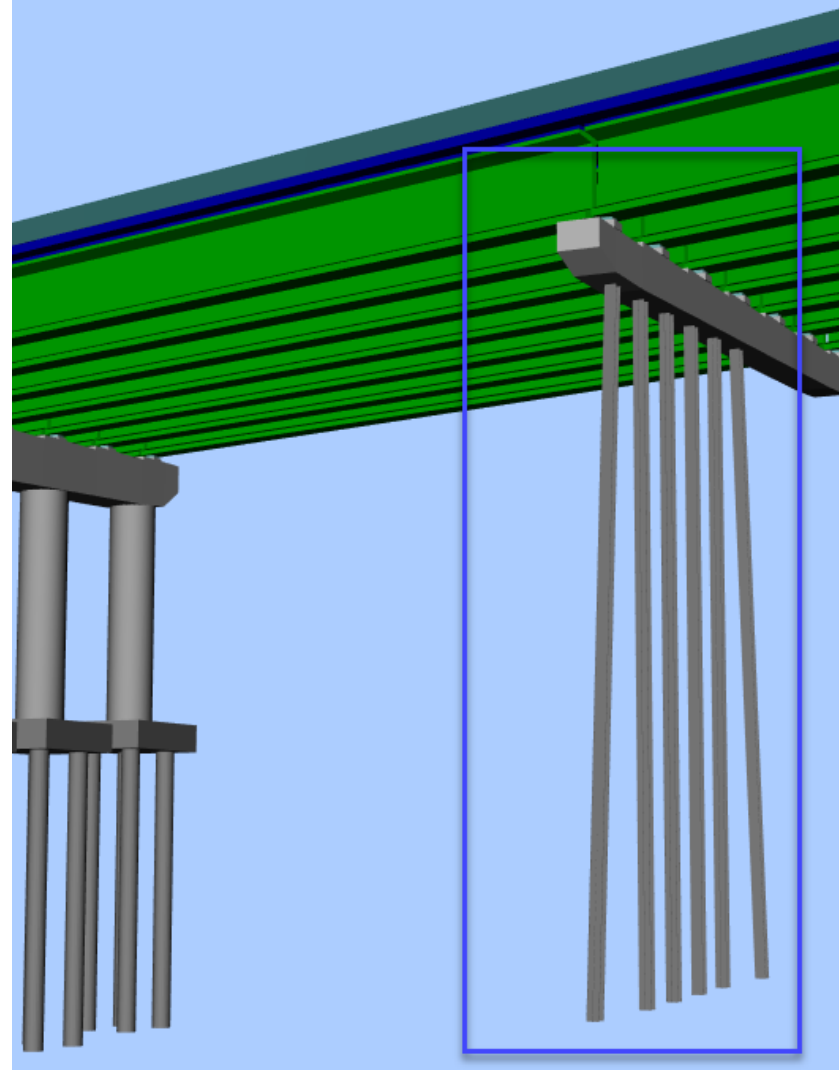
# LEAP Analytics

## Interoperability to Transfer Concrete End Diaphragm from OBM to LBS



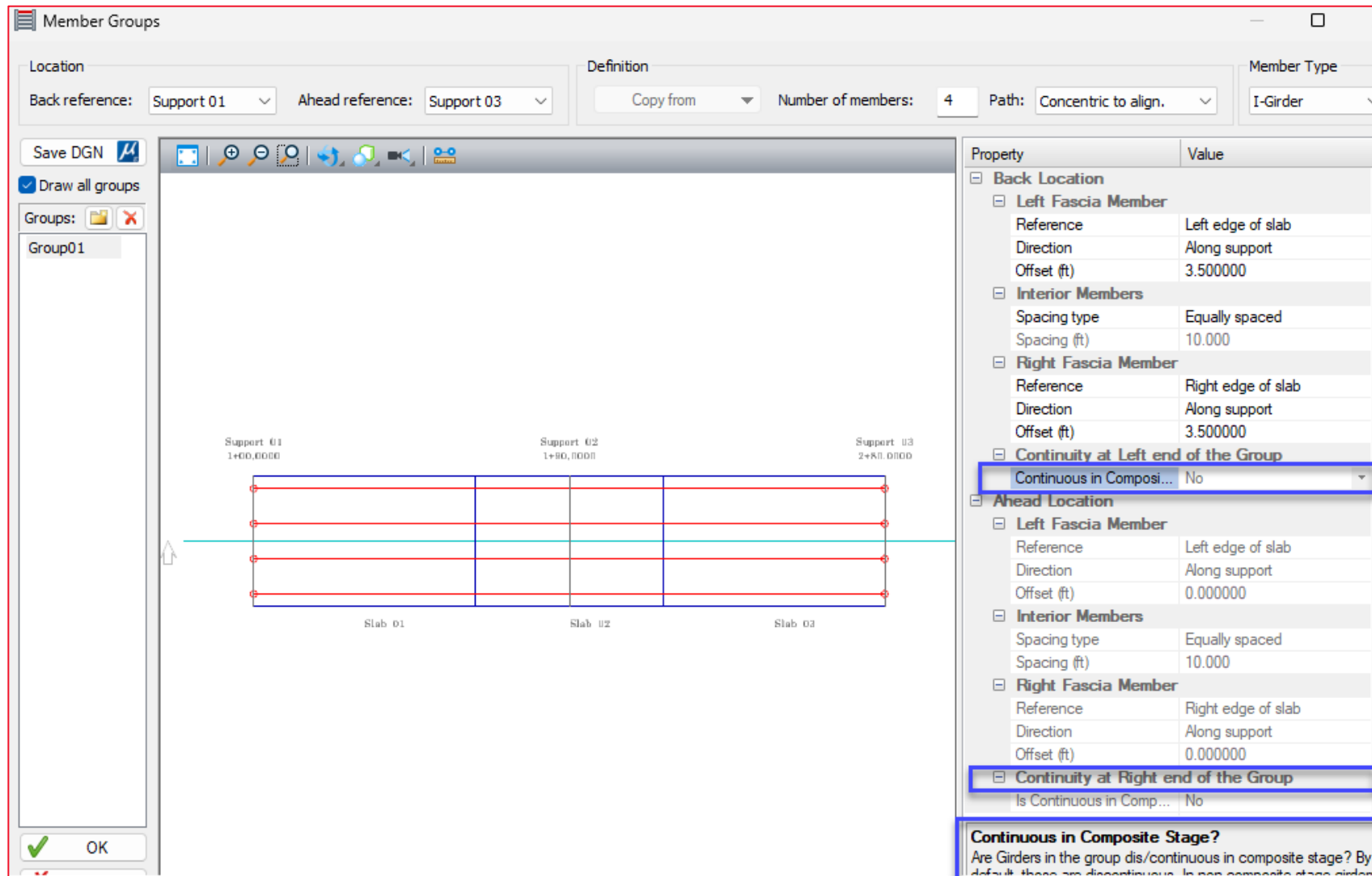
# LEAP Analytics

## Interoperability to Transfer Pile Bent with Steel H-Piles from OBM to LBS



# LEAP Analytics

## Options to Allow Continuous or Non-continuous Analysis in LBS





# LEAP Analytics

## Improvement of Shear Connector Type Definition in LBS

Shear Connector Locations

Group 01 Shear Connector Type: Generic Save DGN

Members:

- Member 01
- Member 02
- Member 03
- Member 04
- Member 05

+ Add - Delete Delete All Copy locations to...

No.	Location Type	Begin Location	End Location
1	Absolute (m)	100.0000	105.0000

Abutment1 1+00.1800 Pier1 1+25.0000 Pier2 1+55.0000 Pier3 1+85.0000 Abutment2 2+04.9200

Slab 01 Slab 02 Slab 03 Slab 04

OK



# What's New in OpenBridge 2025

Steve Willoughby, Bridge Services Manager



**Bentley®**