



What is New in OpenBridge Designer V10 Update 7

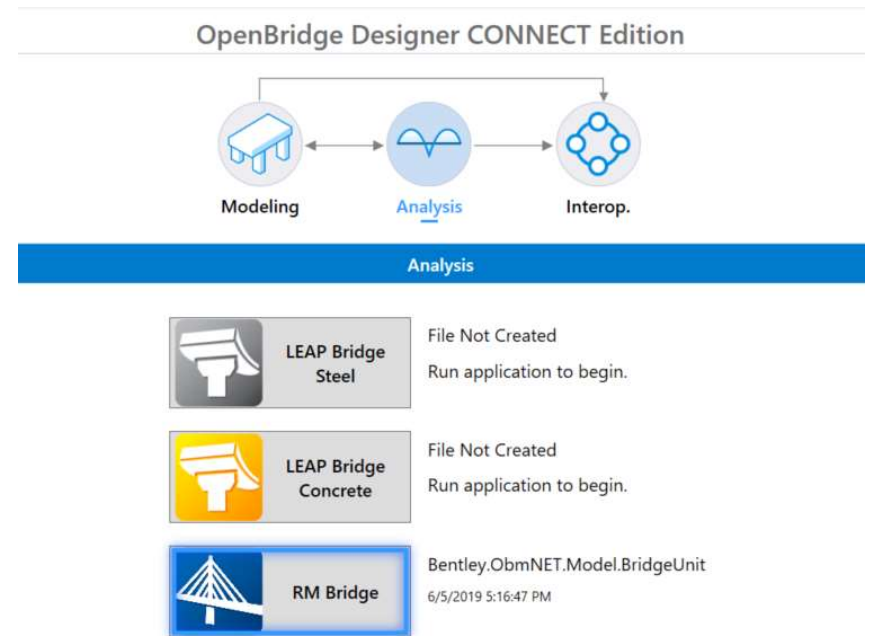
06/19/2019
Burak Boyaci



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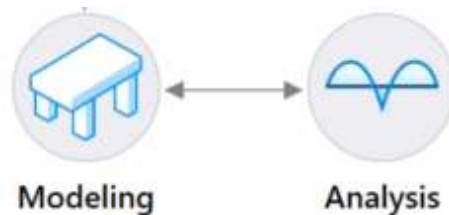
What is New in OBD V10 Update 7?

- RM Bridge Advanced for analytics
 - Analyze and design all types of bridges including complex bridges
 - Powerful analytical capabilities:
 - Construction Stage, P-Delta, settlement, stability, buckling and time dependent: creep & shrinkage analysis
 - Non-Linear Springs
 - Supporting 20+ international design codes
 - 3rd analytical component offered in OpenBridge Designer



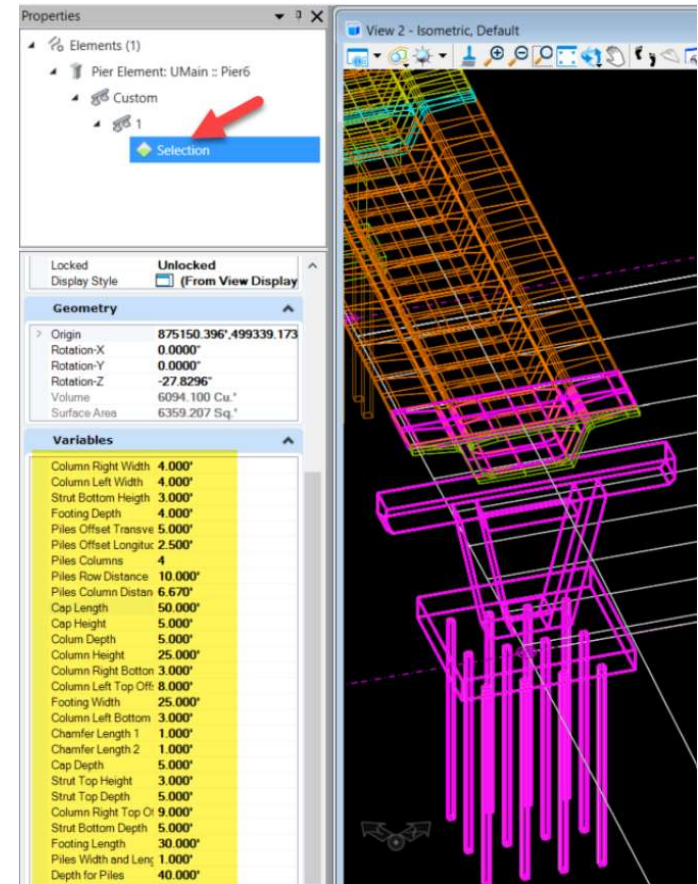
What is New in OBD V10 Update 7?

- Enhanced BIM workflow
 - In this version's BIM workflow, the Modeler (OBM) and the Analytics (LBS and LBC) are integrated/consolidated to strengthen the model-centric approach
 - All changes regarding the physical model (geometry, materials, etc.) will be performed on Modeler side – as the single source of truth –, and the changes automatically get reflected in the Analytics
 - Once a file is initially sent from Modeler to Analytics using “Send To” button, Modeler will update Analytics when a modification is made in Modeler, automatically, without using “Send To” button



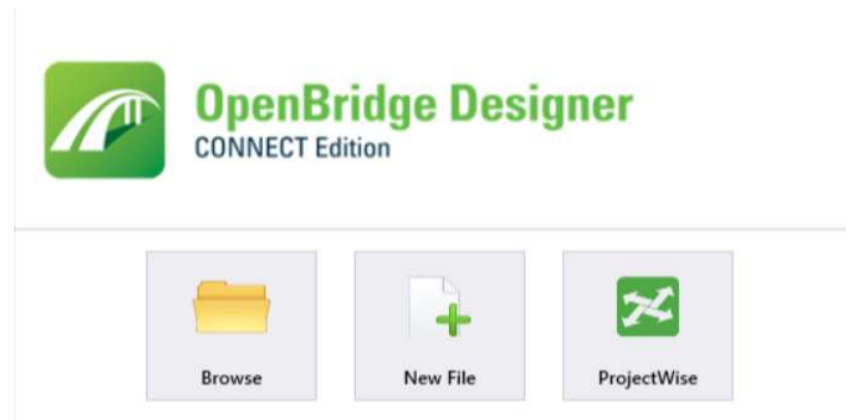
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- Functional Parametric Components for Modeler
 - Functional Components give users a degree of flexibility which is not possible with conventional 3D tools. Parametric modeling allows complex elements to be edited easily without the need to be manually rebuilt
 - With this enhancement, any complex substructure geometry (abutments, piers, bents, etc.) can be modeled with ease and could be modified in the future projects



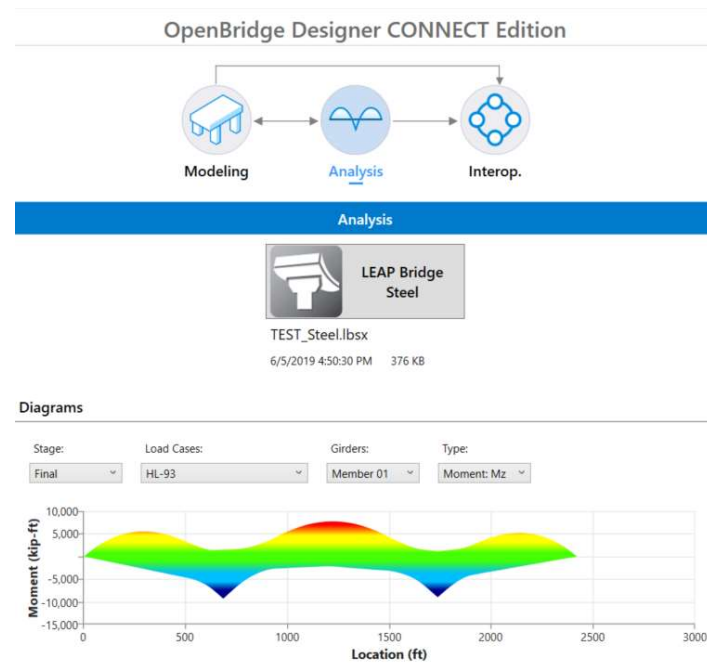
What is New in OBD V10 Update 7?

- ProjectWise connection:
 - Users can log in to ProjectWise directly from OBD interface
 - .obd and .dgn files can be opened or saved from ProjectWise explorer



What is New in OBD V10 Update 7?

- Analysis Results/Diagrams on OBD Interface (available for LEAP Bridge Concrete and LEAP Bridge Steel components)



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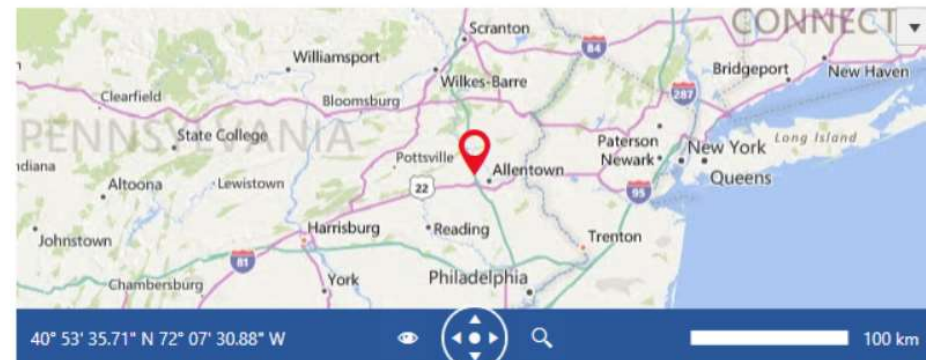
- Project Info Dialog:
 - Users can see location and structural information for all units/bridges within a project.
 - Many fields are automatically filled by the input from OpenBridge Modeler component.

Location Info

State:	PA	Latitude (°):	40.56874
Bridge ID:	111111	Longitude (°):	-75.5867
<input checked="" type="checkbox"/> Manual Input			

Geometric and Structural Info

Bridge Length (ft):	758.000	Distance Units:	US Survey Foot
Span Lengths (ft):	128.000; 128.000; 128.000; 128.000; 128	Alignment:	CL27
Skew:	0°;-0°;-0°;-0°;-0°;0°;-0°;	Material:	Concrete
Roadway Width (ft):	60.000	Superstructure:	Concrete Multi-Beam
Designer:	BB	Bridge Width (ft):	52.458



Questions?

Comments?