What's New in InfraWorks

Take a look at some of the new features that have been added into InfraWorks in 2018-2019.

Adding Tunnels to Component Roads

Parametric Tunnels can be added to component roads in InfraWorks to carve out a roadway terrain through surfaces. Similar to bridge placement, tunnels can be added over a specified station range using an "out of the box" tunnel style or you can create your own custom style using Inventor.

Collaborate on InfraWorks Models using Shared Views

To collaborate on your InfraWorks model with other team members and stakeholders, you can use Shared Views. By creating a Shared View of your InfraWorks model, others that you allow, can view and comment on your model online using the Autodesk Viewer.

Component Road Modeling Updates

In the release of InfraWorks 2019.0, Design Roads are converted into Component Roads in all upgraded InfraWorks models. The conversion process will happen "behind the scenes" as comparable components will be used to replace Design Road styles. Although the automated conversion renders a close match to the design road style tracks, you will want to check your components to ensure everything is in proper order. Make sure when you first open your model in the new release of InfraWorks that you choose the option to "Upgrade a Copy" so you have the original model should it be needed.

Convert Component Roads into Civil 3D Corridors

In Autodesk Civil 3D 2019, when you open an InfraWorks project, component roads can be converted into Corridors, improving the interoperability and workflow for completing detailed design and construction documents. The InfraWorks components are mapped to the stock subassemblies in Civil 3D using the table shown here:

Display Terrain Contours and Labels

In your Infraworks model you can turn on or off the display of terrain contours using the View Settings.

Element Based Road Layout

To layout a component roadway you can use the Element Based Creation method to draw your centerline using tangents and curves.

Making Precision Edits to Profiles

Component Road profiles are created from terrain elevations and the Design Standards assigned to your road centerlines. To make refinements to the profile PVIs and curve data, you can use the Precision input tools.

Share InfraWorks Models in BIM 360 Document Management

To share and collaborate on your InfraWorks models with other team members and project stakeholders, you can use BIM 360 Document Management. When you publish your model into BIM 360, others that you invite into your project can view the model, communicate issues, and add Markups using the Autodesk online viewer.