



# 3D Conceptual Design and Analysis with Autodesk InfraWorks

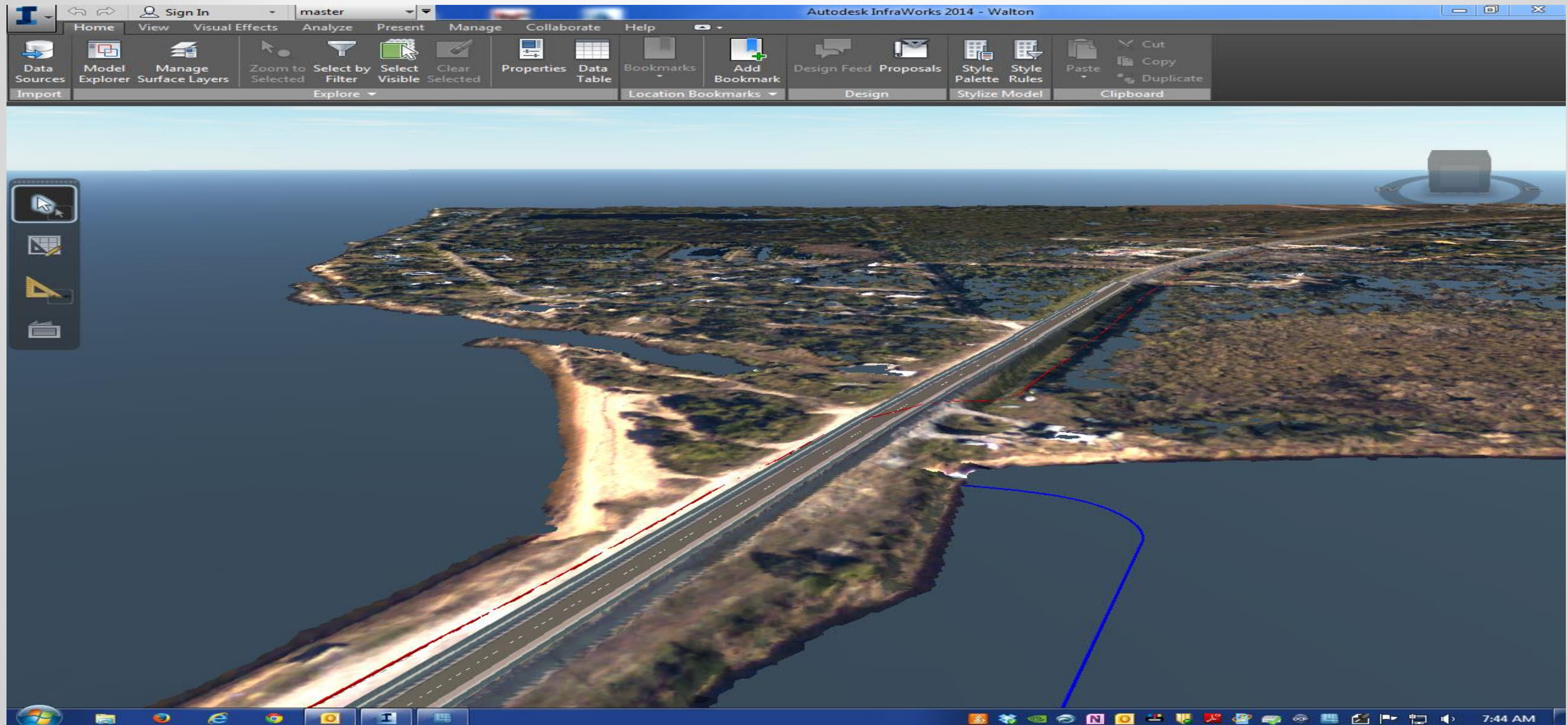
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A 3D architectural rendering of a city skyline and a highway interchange. The scene is viewed from an elevated perspective. In the foreground, a multi-lane highway bridge spans across a wide river. The bridge has a rainbow-colored light strip along its edge. A red car is visible on the bridge. The river is blue and has a concrete retaining wall on the right side. In the background, a city skyline with various skyscrapers is visible under a clear blue sky. A large stadium or arena is prominent in the middle ground. The overall scene is a conceptual design for a transportation project.

# GS2421-R 3D Conceptual Design

# 331 Bridge



# Class summary

This is a roundtable discussion on the uses for Autodesk InfraWorks for 3D visualization, conceptual design and analysis. We will discuss where to find information such as LIDAR and aerial photography. The use of your 2D model and incorporating that into InfraWorks to create a 3D visualization and why this is valuable in your decision making process.

# Key learning objectives

At the end of this class, you will be able to:

- Describe how InfraWorks is being used
- Use 2D data to create a 3D model to generate greater value
- Use InfraWorks to assess impact to a utility from local infrastructure changes
- List the capabilities and benefits from using InfraWorks instead of just 2D data



