

A Magic Button for Optimized Roadway Design



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Class outline

- Introduction Val, 5 min
- Profile Optimization: Val, 10 min
- Simple Corridor Optimization for Highways: Val, 5 min
- Suitability Maps: Dong video, 5-10 min
- Combining Corridor Optimization and Suitability Maps: Dong video or Val, 5 min
- Advanced Corridor Optimization: Edmundo, 20 min
- Q & A: Edmundo and Val, 5-10 min

Key learning objectives

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

- Know when to use Corridor Optimization and Profile Optimization during your project phase
- Choose appropriate settings for each service based on your projects to get desired results
- Evaluate solutions returned by the optimization service
- Prepare your Civil 3D corridor design so as to use Profile Optimization, and compare the optimized result with your original design in Civil 3D
- Set up Suitability Maps and apply such maps in your Corridor Optimization

Introduction





Profile Optimization with InfraWorks



Corridor Optimization for Highways



Suitability Maps

Suitability Maps and Corridor Optimization





Advanced use of Corridor Optimization

An aerial rendering of a city skyline, likely Chicago, featuring a large stadium and several skyscrapers. In the foreground, a multi-lane bridge spans a body of water, with a rainbow-colored line tracing its path. To the right of the bridge is a green park area with a blue oval feature. The scene is set against a clear blue sky.

Questions & Answers



