

# DESIGNING CORRIDORS & INTERSECTIONS IN CIVIL 3D®

## ONLINE COURSE OUTLINE



Solutions Store

(855) 289-1772

training@topconsolutions.com

### Take the “High Road” with Civil 3D’s Corridor Design!

Our team has fused together the highly successful “Intersection” and “Roadway Design” classes into one fast paced session. Through interrelated exercises, our goal is to build your confidence in the identification of the many terms, objects and workflows associated within Corridor design and modification. Furthermore, expect to walk away with a clear understanding of the game changing Corridor Targeting functionality and how it relates to your Corridor designs. Join us!

**Prerequisite:** Civil 3D Essentials course, equivalent experience, or instructor approval required.

**Course Length:** 1 day

#### Laying out Alignments

- Alignment Overview
- Creating from Objects
- Alignment Creation Toolbar
- Alignment Properties
- Creating Offset Alignment

#### Editing and Labeling Alignments

- Graphical Grip Editing
- Tabular Editing
- Label Sets
- Station Frequency

#### Creating Existing & Finished Ground Profiles

- Profiles Overview
- Creating an Existing Ground Profile View
- Profile View Style Review
- Profile Creation Tools
- Creating Additional Profile Views

#### Editing and Labeling Profiles

- Graphical Grip Editing
- Grid View Editing
- Label Set Discussion

#### Creating, Viewing and Editing Corridors

- Creating Assemblies
- Corridor Creation & Properties

- Target Mapping - Transitions
- Viewing and Editing Corridor Sections
- Corridor Surfaces
- Creating Composite Surfaces

#### Cross Sections and Volumes

- Sample Lines Groups
- Generating Cross Sections
- Section Volume Calculations

#### Advanced Corridors: Types of Entities

- Regions (When, Why and Where)
- Adding additional Baselines to Corridor
- Target Mapping & Target Surface
- Width Alignment
- Slope or Elevation (Profile)

#### Targeting Horizontal and Vertical Offsets

- Transitions
- Extracting Line work from corridors
- Surface from Corridor “Offset Fix”
- Cul-de-sac Workflow Simplified
- Intersection Design
- Manual Process
- Intersection Wizard
- Rehab Assembly

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