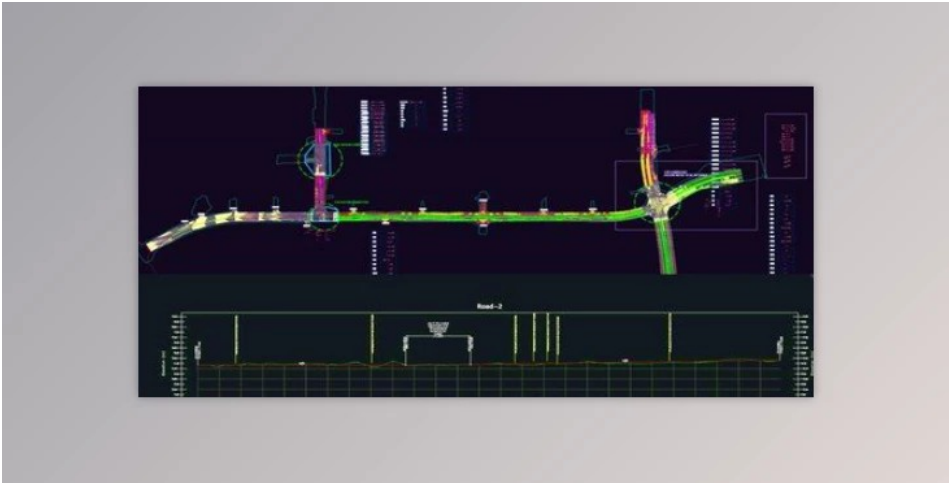




AutoCAD Civil 3D 6km Complete Road & Junction Design Project

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AutoCAD Civil 3D 6km Complete Road & Junction Design Project: Comprehensive Training on AutoCAD Civil 3D for Road and Junction Design

I have developed this course to facilitate effective road and open channel design using AutoCAD Civil 3D in 2023 and beyond. Beginning from the basics, I will guide you through the entire process, providing a firsthand look at how to:

Import Points and Basic Settings

- Drawing Settings
- Unit Settings
- Manual Point Creation
- Points by Northing, Easting, and Elevation
- Importing Points from CSV and TXT Files
- Points Group Settings
- Points Editing
- Points Labeling

Alignment Creation Tools and Settings

- Drawing Alignments (with and without curves)
- Curve Settings
- Inserting PI (Point of Intersection)
- Sub-Entity Editors
- Alignment Grid View

Create Surface Profile

- Profile Creation Tools
- Creating Profiles from Surfaces
- Profile View Setup
- Drawing in Profile View
- Station Ranges
- Profile Display Options
- Initial Data Band Adjustment
- Profile View Styles
- Horizontal and Vertical Axes Adjustment
- Profile Graph Scale Setting

Create a Design Profile on an Existing Profile

- Profile Creation Tools
- Profile View Styling
- Vertical Curve Setting
- Design Profile Creation
- PVI (Point of Vertical Intersection) Manipulation
- Profile Grid View

Add & Edit Own Profile Bands

- Editing Profile View Styles



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标签

Tutorial 平面设计

- Working with Profile Graph Scale and Grids
- Profile View Properties
- Defining Cut and Fill Areas
- Creating New Profile Bands
- Band Customization for Existing and Designed Elevations
- Adjusting Profile Elevations per Band Styles

Create Assembly in Civil 3D

- Assembly Base Line Creation
- Sub-Assembly Properties and Parameters
- Adding Lane, Shoulder, Curb Gutter, Sidewalk, and Other Sub-Assemblies
- Editable Parameters Post-Composition

Create Road Corridor in Civil 3D

- Corridor Creation
- Base Line and Region Parameters Assignment
- Frequency Allocation
- Target Mapping
- Corridor Rebuilding and Analysis
- 3D Drive Visualization
- Super Elevation Implementation

Corridor Surface and Sample Lines on the Corridor

- Corridor Surface Generation
- Boundaries Definition
- Sample Line Creation
- Sampling Controls Adjustment
- Sample Line Drawing on Corridor

Make Road Cross Section

- Multiple Section View Creation
- Section View Style Editing
- Section View Properties Configuration
- Section View Group Properties Setup
- Volume Report Generation
- Material Tables Insertion
- Exporting Data to XML and Excel Files

Drawing Template for Cross Sections Sheet Creation

- Drawing Template Design
- Page Setup Management
- Plotter Configuration Editing
- Custom Paper Size Creation
- Plot Style Table Adjustment
- Template Design with Required Scale
- North Arrow and Scale Bar Insertion
- Frame and Sheet Creation with Designed Template

Complete Design Basis Report for Client

- Comprehensive Report Compilation
- Design Standard Inclusion
- Superelevation and Spiral Details
- Project Overview
- Table Information Details
- Location and Project Maps
- Detailed Design Documentation

Pre-requisites: Access to AutoCAD Civil 3D software (student, trial, or commercial version) is essential for this course. It can also be used with AutoCAD.

Enroll now to master the intricacies of AutoCAD Civil 3D and elevate your road and junction design skills.



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