

# Civil 3D 2010 Roadway Design



Duration | 2 Days

## Description:

This class is designed for engineers and designers who need to use AutoCAD Civil 3D to perform roadway design tasks more accurately and in less time.

## Prerequisites:

Before starting this course, students should have a working knowledge of the following: AutoCAD Civil 3D features and functionality, Civil engineering processes and terminology and Microsoft Windows Vista, Microsoft Windows XP or Microsoft Windows 2000.

## Objectives:

To teach users how to generate alignments, cross sections, intersections and quantity takeoff reports.

Upon completion of the course, the student will:

- Generate alignments, cross sections, intersections and quantity takeoff reports in accordance with Roadway Design Project Criteria.

## Course Outline:

### Introduction to Roadway Design

- Reviewing Roadway Design Project Data

### Designing Horizontal Alignments

- Creating Horizontal Alignments
- Evaluating and Editing Horizontal Alignments
- Applying and Editing Superelevation
- Vertical Alignments
- Evaluate and Edit Vertical Alignments

### Designing Profiles

- Creating Profiles
- Evaluating and Editing and Design Profiles

## Training Facilities

Virginia Beach, VA  
Richmond, VA  
Roanoke, VA

## Inlet Technology

192 Ballard Court  
Suite 306  
Virginia Beach, VA  
23462

Ph: 757.496.2323  
Fax: 757.496.2424

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### **Modeling Corridors**

- Reviewing Design Considerations
- Creating Reconstructed Roadway Assemblies
- Creating Mill and Overlay Roadway Assemblies
- Creating Roadway Corridors
- Viewing and Editing Corridors

### **Designing Intersections**

- Creating Intersections with the Wizard
- Editing Intersections

### **Computing Quantities**

- Computing End Area Volumes
- Calculating Quantity Takeoff Using Pay Items

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# Inlet Training Class Registration Form



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### Customer Information

Company \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Primary Contact \_\_\_\_\_  
Telephone \_\_\_\_\_ eMail \_\_\_\_\_

### Training Class Information

Class Name \_\_\_\_\_  
Class Start Date \_\_\_\_\_ Duration (# of days) \_\_\_\_\_  
Student 1 \_\_\_\_\_ eMail \_\_\_\_\_  
Student 2 \_\_\_\_\_ eMail \_\_\_\_\_  
Student 3 \_\_\_\_\_ eMail \_\_\_\_\_  
Student 4 \_\_\_\_\_ eMail \_\_\_\_\_  
Student 5 \_\_\_\_\_ eMail \_\_\_\_\_  
Student 6 \_\_\_\_\_ eMail \_\_\_\_\_  
Student 7 \_\_\_\_\_ eMail \_\_\_\_\_  
Student 8 \_\_\_\_\_ eMail \_\_\_\_\_  
Student 9 \_\_\_\_\_ eMail \_\_\_\_\_  
Student 10 \_\_\_\_\_ eMail \_\_\_\_\_

### Payment Information

#### CREDIT CARD

Type (Circle One)      Visa      Mastercard      American Express  
Credit Card Number \_\_\_\_\_  
Expiration Date \_\_\_\_\_ 3-4 digit Verification Code \_\_\_\_\_  
Name on Card \_\_\_\_\_ Amount to be Charged \$ \_\_\_\_\_  
Billing Address \_\_\_\_\_

#### CHECK

Check Number \_\_\_\_\_ Amount \$ \_\_\_\_\_

#### PURCHASE ORDER

PO Number \_\_\_\_\_ Amount \$ \_\_\_\_\_  
Purchasing Contact \_\_\_\_\_ Telephone \_\_\_\_\_  
e-Mail \_\_\_\_\_

**NOTE: Please fax copy of PO with Registration Form**