

TIPS CAD TEAM

“Improving TIPS CAD Instruction and Courses through Innovation”



Civil 3D

Bridging the CAD and GIS Gap

Blended Learning Environment

TIPS Steering Committee Meeting
Santa Fe, NM
May 11-13, 2010

Team Activities and Innovation....

- ▣ AutoCAD Civil 3D
- ▣ Bridging the CAD and GIS Gap
- ▣ Blended Learning Team Training

AutoCAD Civil 3d

- ▣ Includes all AutoCAD Map Functions.
- ▣ Allows for quicker evaluation and implementation of design edits on projects.
- ▣ Analyze contours, slope, elevation, and watershed areas.
- ▣ Evaluation of software as potential future replacement of Carlson products.

CAD/GIS Course

- ▣ CAD Team currently maintains five instructor-led courses, none fully address the CAD/GIS workflow.
- ▣ CAD 400: Bridging the CAD and GIS Gap in the SMCRA Workflow. Use blended learning environment.

CAD 400 Online Learning site...

Home ► CAD 400

Administration

 [Profile](#)

Messages

No messages waiting
[Messages...](#)

Course categories

-  [AutoCAD](#)
-  [Engineering](#)
-  [Geology](#)
-  [GIS](#)
-  [Hydrology](#)
-  [Mobile Computing](#)
-  [Remote Sensing](#)
-  [Training](#)

[All courses ...](#)

Topic outline

CAD 400: Bridging the CAD and GIS Gap in the SMCRA Workflow

The purpose of this course is to assist personnel in integrating both CAD and GIS processes into SMCRA workflows. Students will review the basic foundation of GIS and CAD, identify similarities and differences, update and maintain permit data, manipulate spatial data, and database connectivity. Exercises will include use of Title IV and V data to show mechanisms of interoperability between CAD and GIS.

 [Agenda](#)

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1 Chapter 1: Introduction and Resources

Upcoming Events

There are no upcoming events

[Go to calendar...](#)
[New Event...](#)

Autodesk RSS Feed

[Cascading Sequences for Autodesk 2011 Products](#)

[Asian Character Command Line Input Hotfix for AutoCAD Map 3D 2011](#)

[Errors attempting to extract file](#)

[Crash when double-clicking notifications in the status bar tray](#)

[Video: Modify your polylines elevation using object data](#)

CAD 400: Bridging the CAD and GIS Gap in the SMCRA Workflow

Description

The purpose of this course is to assist personnel in integrating both CAD and GIS processes into SMCRA workflows. Students will review the basic foundation of GIS and CAD, identify similarities and differences, update and maintain permit data, manipulate spatial data, and database connectivity. Exercises will include use of Title IV and V data to show mechanisms of interoperability between CAD and GIS.

Agenda

Day 1

- 8:30 A.M. Introduction and Resources
- 9:00 A.M. Building the Foundation for CAD and GIS
- 10:00 A.M. Similarities and Differences in CAD and GIS
- 12:00 P.M. Lunch
- 1:00 P.M. Similarities and Differences in CAD and GIS (Continued)
- 2:00 P.M. Direct Read Capabilities between ArcGIS and CAD
- 4:30 P.M. Class adjourns

Day 2

- 8:30 A.M. Updating/Maintaining Permit Data
- 12:00 P.M. Lunch
- 1:00 P.M. Manipulating GIS Data in CAD
- 4:30 P.M. Class adjourns

Day 3

- 8:30 A.M. Database Management
- 12:00 P.M. Lunch
- 1:00 P.M. Database Management (Continued)
- 4:30 P.M. Class adjourns

Last modified: Tuesday, May 4, 2010, 11:55 AM

Team Training/Blended Learning

- ▣ Incorporate blended learning into existing and new CAD courses.
- ▣ Team will receive training at June meeting.
- ▣ Work to incorporate new ideas and technology into at least one course over 2011.

Questions?