



2010 FLUG Spring Conference

June 2-4, 2010
Cape Canaveral, Florida

General Sessions

| | |
|--------------------------------------|---|
| 7:00 – 8:15 Wed-Thurs-Fri | Registration & Continental Breakfast |
| 8:15 – 8:30 Wed-Thurs-Fri | Opening Remarks - Pavilion |
| 8:30 – 9:30 Wednesday | <i>Keynote: Tips & Tricks in Release 2011 ACAD by Lynn Allen of Autodesk</i> |
| 8:30 – 9:30 Thursday | <i>Keynote: Information Modeling for Transportation by Malcolm Walter, COO of Bentley</i> |
| 5:30 – 7:00 Wednesday Thursday | <i>Evening Social & Vendor Reception - Exhibit Hall</i> |

General Registration Information:

- > Name Badges are required for entrance into all Sessions, Workshops, Evening Social & Meals.
Guests Name Badges may be purchased at the Registration Table.
- > Workshops Tickets are required by all Attendees upon entering each workshop!
Workshop Reassignment is done by transferring Tickets to another Attendee.
Workshop Free Audit Seats (10) will be available on a 1st Come 1st Serve basis.
- > Professional PDH Credits (***) offer (1) Credit per (1) Hour of class.
Attendees must Sign-In during each session or workshop applicable to receive credit!
Professional Credit Certificate Pickup is located at the Registration Table.
- > FLUG Raffle Tickets are sold at the FLUG Exhibit Booth in the Exhibit Hall.
All FLUG Participants are eligible to participate.
- > Vendor Door Prizes !!! Don't forget to drop off your Contact Info to each Vendor Booth!
FDOT employees NOT eligible to participate.
- > FLUG Registration & Workshop fees collected cover all costs of Sessions, Workshops,
Meals, FLUG Give-a-ways & Evening Social Event during the FLUG Conferences.
All FLUG Participants present are eligible to participate. Please refer to FLUG Disclaimers.



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| Wednesday June 2, 2010 | | Session Tracks and Workshops | | | | | | |
|------------------------|---|---|---|--|--|---|--|--|
| | Session FDOT Salon III | Session FDOT Bonaires | Session FDOT Jamaica | Session FDOT Antigua | Session Autodesk Martinique | Session Autodesk Bermuda | Session Misc. Nassau | Workshop Misc. Montego |
| 9:45 - 10:45 | <i>More Tips & Tricks for ACAD 2011</i> AutoDesk Lynn Allen | <i>Installing Civil 3D FDOT State Kit 2011 Workspace, Profiles and Tool Palettes</i> FDOT Michele Guynn | <i>***Sheet Production for FDOT</i> FDOT Steve Mar | <i>Essential AutoCAD Skills for Civil 3D</i> Advanced Surveying Technology Brian Morse | <i>****"Where Many Roads Cross..." Intersection & Roundabout Design</i> AutoDesk Rad Lazic | <i>Managing Civil 3D Styles</i> AutoDesk Jerry Bartels | <i>Labeling Plus</i> MapCAD Mike Bond | <i>***Basic Corridor Design</i> CADManage Seth Cohen |
| 10:45 - 11:00 | BREAK | | | | | | | |
| 11:00 - 12:00 | <i>***QTO</i> AutoDesk Jerry Bartels | <i>FDOT and Autodesk "They're Doing What?"</i> FDOT/AutoDesk Panel Discussion | (cont.) | <i>Labeling and Annotations</i> MapCAD Bill Myers | <i>Networks for More than Drainage</i> AutoDesk Josh Kehs | <i>Managing Lidar Data in Civil 3D</i> AutoDesk David Fagerman | <i>VBooks</i> Retrieve Mike Carris | (cont.) \$50 |
| 12:00 - 1:30 | LUNCH | | | | | | | |
| 1:30 - 2:30 | <i>Entity Manager Tool</i> FDOT Michele Guynn | <i>Sign Tool</i> FDOT Jimmie Prow | <i>***Transportation Design from A-Z</i> FDOT Steve Mar Denise Broom | <i>***FDOT Survey Workflow</i> FDOT Bruce Dana | <i>Visualizing Civil 3D Data</i> AutoDesk Eddie Perlberg | <i>***Complex Urban Corridor Design</i> AutoDesk David Fagerman Alan Gilbert | <i>Subassembly Studio</i> CAD Artisans Adam Koerner | <i>***Civil 3D Essentials</i> CADManage Seth Cohen |
| 2:30 - 2:45 | BREAK | | | | | | | |
| 2:45 - 3:45 | <i>***Reports & Tables in Civil 3D</i> FDOT Michele Guynn | <i>FDOT Tools Overview</i> FDOT Bruce Dana | (cont.) | <i>Utilizing Data Shortcuts and XREFs</i> FDOT Mike Robertson | <i>***Grading in Civil 3D</i> AutoDesk Josh Kehs | (cont.) | <i>Leveraging FDOT's Civil 3D Workflows</i> EaglePoint Steve Biver | (cont.) \$75 |
| 3:45 - 4:00 | BREAK | | | | | | | |
| 4:00 - 5:00 | <i>Sheet Set Organizer</i> FDOT Bruce Dana | <i>***Structures Plans Production FDOT</i> Michael Robertson James Frederick | (cont.) | <i>Using the FDOT Super Subassembly</i> CAD Artisans Adam Koerner | <i>***Drainage Basics</i> AutoDesk Josh Kehs | <i>Generic Subassemblies</i> AutoDesk Alan Gilbert | <i>EE ProPack</i> Engineered Efficiency Mark Scacco | (cont.) |
| 5:30 - 7:00 | Evening Social & Vendor Reception - Exhibit Hall | | | | | | | |

"Exhibit Hall Open"



2010 FLUG Spring Conference

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| Thursday June 3, 2010 | | Session Tracks and Workshops | | | | | | |
|-----------------------|---|---|---|--|--|---|---|---|
| | Session FDOT Salon III | Session Bentley Civil Jamaica | Session MicroStation Martinique | Session Bentley AEC Nassau | Workshop FDOT Bonaires | Workshop GEOPAK Antigua | Workshop MicroStation Bermuda | Workshop Misc. Montego |
| 9:45 - 10:45 | GEOPAK Corridor Modeler FDOT Vern Danforth | Bentley Civil V8i GEOPAK (SELECTseries 1 and 2) Update Bentley Derricke Gray | ***Electronic Delivery Greenhorne & O'Mara Scott Green | ***Bentley Architecture Bentley Mary Chib | Introduction to Roadway Designer Bentley Ray Filipiak | ***Creating and Editing Superelevation in Roadway Designer Bentley Corey Johnson | ***Drainage Design/Plans Production w/ASAD Tim Hiteshaw | ***AutoTurn Transoft Solutions William Yeung |
| 10:45 - 11:00 | BREAK | | | | | | | |
| 11:00 - 12:00 | ***What's new in FDOT2010 for Structures Plans Production FDOT James Frederick Michael Robertson | Getting Started with Roadway Designer Bentley Kevin Jackson | (cont.) | (cont.) | (cont.) \$50 | (cont.) \$50 | (cont.) \$50 | (cont.) \$50 |
| 12:00 - 1:30 | LUNCH | | | | | | | |
| 1:30 - 2:30 | ***The State Geotechnical Project Database & Creating SPT Boring Sheets FDOT Michael Robertson Univ. of Florida Erica Hughes | Creating Components and End Conditions Bentley Derricke Gray | (cont.) | ***Bentley Structural Bentley Mary Chib | MicroStation V8i for Civil Engineers Bentley Ray Filipiak | ***Roadway Designer: Constraints & Display Rules Bentley Kevin Jackson | ***FDOT Drainage FDOT James Worley | ***GuidSign Transoft Solutions William Yeung |
| 2:30 - 2:45 | BREAK | | | | | | | |
| 2:45 - 3:45 | So I've got this model. Now what? FDOT Brad Eiler | ***Working with Roadway Designer Point Controls and Aliasing Bentley Corey Johnson | ***Non-Standard Electronic Delivery FDOT Bruce Dana | (cont.) | (cont.) \$75 | (cont.) \$75 | (cont.) \$75 | (cont.) \$75 |
| 3:45 - 4:00 | BREAK | | | | | | | |
| 4:00 - 5:00 | Major Changes in Printing FDOT Jimmie Prow | Using the New Geometry Tools Bentley Robert Garrett | ***Electronic Delivery Error Resolutions Greenhorne & O'Mara Scott Green | Latest Updates for AEC/BIM Users Bentley Rob Snyder | (cont.) | (cont.) | (cont.) | (cont.) |
| 5:30-7:00 | Evening Social & Vendor Reception - Exhibit Hall | | | | | | | |

"Exhibit Hall Open"



2010 FLUG Spring Conference

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| Friday June 4, 2010 | | Session Tracks and Workshops | | | | | | |
|---------------------|---|--|---|---|---|---|--|---|
| | Session FDOT Salon III | Session GEOPAK Jamaica | Session MicroStation Martinique | Session Misc. Nassau | Workshop FDOT Bonaires | Workshop GEOPAK Antigua | Workshop MicroStation Bermuda | Workshop Misc. Montego |
| 8:45 - 9:30 | <i>MicroStation XM to V8i (Tips & Tricks)</i> FDOT Jimmie Prow | <i>Bentley's High Speed Rail Solutions</i> Bentley Ron Gant | <i>Integrating Civil Design, Mapping and Geospatial Data with GEOPAK and Power GEOPAK</i> Bentley Kevin Jackson | <i>What's New in ASAD</i> Tim Hiteshew | <i>***Advanced Cross Sections</i> FDOT Denise Broom James Worley | <i>***Corridor Design with FDOT Templates</i> FDOT Brad Eiler | <i>Civil Visualization</i> Bentley Jerry Flynn | <i>***Introduction to Roadway Designer Template Creation</i> Bentley Corey Johnson |
| 9:30 - 9:45 | BREAK | | | | | | | |
| 9:45 - 10:45 | <i>Intro to Template Design in Corridor Modeling</i> FDOT Vern Danforth | <i>Dynamic Plot Solution</i> Bentley Ron Gant | <i>***Resurfacing and Overlay Made Easy with New Overlay Tools in Roadway Designer</i> Bentley Kevin Jackson | <i>Pasting linked data from Excel into MicroStation</i> AXIOM Eiren Smith | (cont.) | (cont.) | (cont.) \$75 | (cont.) \$75 |
| 10:45 - 11:00 | BREAK | | | | | | | |
| 11:00 - 12:00 | <i>DrawSign</i> FDOT Richard Barman | <i>Civil Visualization</i> Bentley Derricke Gray | <i>***Roadway Designer: Using Point Controls and Superelevation</i> Bentley Kevin Jackson | <i>SiteOps</i> ModernTech Tom Kruse | (cont.) \$100 | (cont.) \$100 | (cont.) | (cont.) |
| 12:00 - 1:30 | LUNCH | | | | | | | |
| 1:30 - 2:30 | <i>***Obtaining and using GIS data in CADD</i> FDOT Shannon Weatherby | <i>Bentley Civil Template Best Practices</i> Bentley Derricke Gray | <i>***Modeling of Gore Areas Using the Roadway Designer</i> HNTB Patrick Evans | <i>Torus</i> Transoft Solutions William Yeung | (cont.) | (cont.) | <i>***GEOPAK Overlay Tools with Roadway Designer</i> Bentley Kevin Jackson | <i>***Creating and Using End Conditions in Roadway Designer</i> Bentley Corey Johnson |
| 2:30 - 2:45 | BREAK | | | | | | | |
| 2:45 - 3:45 | <i>Map data sources and clipping for Key Sheets</i> FDOT Andra McMillan | <i>***Creating Intersections with Roadway Designer</i> Bentley Derricke Gray | <i>New Tools for Importing Data into Bentley Civil Products</i> Bentley Robert Garrett | | (cont.) | (cont.) | (cont.) \$50 | (cont.) \$50 |
| ADJOURN | | | | | | | | |

"Exhibit Hall Open"

SESSION/WORKSHOP DESCRIPTIONS

| EVENT | DESCRIPTION | |
|---|---|----------------|
| Wednesday June 2, 2010 | | |
| More Tips & Tricks for ACAD 2011 Lynn Allen, Autodesk | Learning the newest AutoCAD tips, tricks and gadgets from the worldwide Autodesk Technical Evangelist, Lynn Allen, is fun and informative to the max. This is a not to be missed session. | <i>Session</i> |
| Installing Civil 3D FDOT State Kit 2011 Michele Guynn, FDOT | Get the latest information about the FDOT State Kit as well as additional cool tools and how to install them. | <i>Session</i> |
| Sheet Production for FDOT Steve Mar, FDOT | We will demonstrate the procedure on producing FDOT sheets. Some of the topics covered will be: <ul style="list-style-type: none"> • The types of plan, profile, cross section sheet templates included with the FDOT state kit. • Producing plans from Civil 3D. • Sheet border properties • FDOT's Sheet Set Organizer to manipulate the sheets. | <i>Session</i> |
| Essential AutoCAD Skills for Civil 3D Brian Morse, Advanced Surveying Tech. | Essential AutoCAD Skills for Civil 3D is a fast paced look at the AutoCAD part of Civil 3D. Never seen AutoCAD? This is for you. Think you are a power user? See if you really "know it all". This course will include some live demo's of the "Need to Know" AutoCAD features to help illustrate some key points. The Q&A session will give you an opportunity to get answers from power users. | <i>Session</i> |
| "Where Many Roads Cross..." Intersection Design Rad Lazic, Autodesk | We will explore the best practices of using Civil 3D for intersections and roundabouts design. Civil Engineers and Designers will experience first hand the power of Wizard-driven tools in Civil 3D to automate the most tedious and time consuming tasks with intersections design. And that is just the beginning. We will explore tools in Civil 3D for automated grading to design overlay and widening of existing intersections or roundabouts to accommodate the ever increasing traffic loads. And most of all, we will have some fun with visual analysis of the designed intersection models developed with Civil 3D. The topics we will explore will be: Intersection and Roundabout design wizard, Oval shape roundabout layouts, Expanding existing intersections, Visual analysis and communication for intersections. | <i>Session</i> |
| Managing Civil 3D Styles Jerry Bartels, Autodesk | In AutoCAD Civil 3D 2011, Styles control the display and design characteristics of drawing objects. Knowing this, the ability to effectively leverage Styles is an integral part of AutoCAD Civil 3D. During this session you will learn what styles are, how they work, where they live and how best to use them. Along the way we will discuss several strategies including style naming convention, moving styles between drawings and organizing styles via feature drawings. | <i>Session</i> |

SESSION/WORKSHOP DESCRIPTIONS

| EVENT | DESCRIPTION | |
|---|---|-----------------|
| Labeling Plus Mike Bond, MapCAD | Using advanced annotation, map checking, and plan set creation technology, MapCAD demonstrates how to quickly, easily, and correctly produce sample FDOT ROW maps and design plans that adhere to FDOT's CAD standards. MapCAD Suite is a complete mapping solution that complements Civil 3D and Land Desktop with essential technology for civil engineers, land surveyors, mappers, technicians and drafters. | <i>Session</i> |
| Basic Corridor Design Seth Cohen, Cad Management | This hands-on workshop will take you through the basics of corridor design. From selecting the assembly to targets and beyond. | <i>Workshop</i> |
| QTO Jerry Bartels, Autodesk | AutoCAD Civil 3D 2011 includes comprehensive tools to compute point, linear, area and volume take-off quantities. During this session, you will learn how to create pay item lists, assign pay items to AutoCAD and Civil 3D model data as well as perform quantity take-offs necessary to generate customizable QTO reports. Along the way we will review QA/QC strategies such that you can quickly determine which data has or has not been assigned necessary pay item information. | <i>Session</i> |
| FDOT and Autodesk "They're Doing What?" Panel Discussion, FDOT & Autodesk | This panel discussion will answer all your questions about FDOT's implementation of Autodesk C3D. | <i>Session</i> |
| Labeling and Annotations Bill Myers, MapCAD | | <i>Session</i> |
| Networks for More than Drainage Josh Kehs, Autodesk | Explore the use of pipe networks in Civil 3D 2011 for modeling, documenting, and quantifying systems beyond just storm sewers. Learn how to apply parts lists and rules to create networks for electric, gas, water, and more. Customize labels and show networks in profiles and cross sections to efficiently and effectively create documentation without the risk of out-of-date design information and labels. | <i>Session</i> |
| Managing Lidar Data in Civil 3D David Fagerman, Autodesk | During this session we will be discussing how Civil 3D manages Lidar data, including point clouds and the assets that can be extracted from the cloud. We will evaluate how surfaces can be created, assets can be extracted for GIS and design usage, and how images can be used in combination with the point clouds. | <i>Session</i> |
| Vbooks - "Thinking out of the Box" Mike Carris, Retrieve | Learning new applications or processes can be a challenge. Training large numbers of users effectively and efficiently can also be a challenge. This presentation on vBooks will demonstrate a technology that has been developed to tackle these two major issues as well as many more. Learn how this technology and approach is used to train and support your staff on anything from CAD Standards, Civil 3D, Microstation, Microsoft Office, Adobe and any other software or tool your staff uses to complete a project. | <i>Session</i> |
| Entity Manager Tool Michele Guynn, FDOT | Do your initial design one time and get all the information needed to create profiles, corridors and even get your quantities. FDOT's Entity Manager will help ensure company standards and assist with automation. | <i>Session</i> |

SESSION/WORKSHOP DESCRIPTIONS

| EVENT | DESCRIPTION | |
|---|---|--|
| Sign Tool Bruce Dana, FDOT | Get the first look at a new application FDOT developed for sign placement. It assists in the placement, labeling and automation of quantities for signs assemblies. <i>Session</i> | |
| Transportation Design from A-Z Steve Mar, FDOT | This will be a very high level introduction to Civil 3D workflow. We will see the overarching process that will drive the user from beginning to end of a typical FDOT project. Project Creation and Handling – <ul style="list-style-type: none"> • Creating projects • Data Referencing and XREF'ing • FDOT's drawing template Surveys – <ul style="list-style-type: none"> • import of EFB-XML data. • Cleaning/Editing the data. Roadway – <ul style="list-style-type: none"> • Object Creation – Alignments & Profiles • Entity Manager • XData (AdHocs) • Corridor Design Plans Production <ul style="list-style-type: none"> • Generating Final Output • Sheet Set Organizer <i>Session</i> | |
| FDOT Survey Workflow Bruce Dana, FDOT | This session will demonstrate importing survey data via LandXML (source: FDOT EFB data collector) into Civil 3D 2011 and some tips on the preparation of that data for use by design. We'll cover some of the important things to keep in mind working between the survey database and the active drawing, such as how to selectively view and edit points and figures, and how to build the existing terrain surface. <i>Session</i> | |
| Civil Visualization Eddie Perlberg, Autodesk | In this session, we will experience the workflow of bringing your design from Civil 3D into 3ds Max Design using the Civil Visualization extension. We will examine the means of exporting the pertinent data from Civil 3D. Then the ability of leveraging that data in 3ds max Design including the capability of updating your design in 3ds Max Design as it evolves in Civil 3D. From there, we will leverage the toolset that are an integral part of the Civil Visualization extension including the easy addition of road markers and adornments that add a new level of understanding. We will also explore some of the outstanding tools in 3ds max Design that make the advancement of the picture compelling. <i>Session</i> | |
| Complex Urban Corridor Design David Fagerman/Alan Gilbert, Autodesk | During this session we will be discussing how Civil 3D can be used to design a complex urban corridor that has an intersection, a widening condition, and underground utilities. We will go through the process of using survey data, point clouds, existing GIS information, and design criteria to create this intersection. We will then show how this final design can be modified to reflect last minute changes, while updating all of the design documentation dynamically. <i>Session</i> | |

SESSION/WORKSHOP DESCRIPTIONS

| EVENT | DESCRIPTION | |
|--|---|--|
| Subassembly Studio Adam Koerner, CAD Artisans | <i>Session</i> | |
| Civil 3D Essentials Seth Cohen, CAD Management | Learn the basics to designing in Civil 3D <i>Workshop</i> | |
| Reports & Tables in Civil 3D Michele Guynn, FDOT | This session will cover how to use QTO to create FDOT standard CompBook forms and Summary Tables and how to efficiently get them into your plans. <i>Session</i> | |
| FDOT Tools Overview Bruce Dana, FDOT | This session will provide a brief overview some of the FDOT tools being delivered for Civil 3D - in case you miss them in other detailed sessions. We'll spend a little time with CreateEdit Files, Entity Manager, Sheet Set Organizer, FDOT Signs, and Place Block Group By Feature. <i>Session</i> | |
| Utilizing Data Shortcuts and XREFs Mike Robertson, FDOT | Learn the differences between Civil3D Data Shortcuts and Autocad Reference Files (Xrefs) and when to use each. We'll show you how to keep your references and shortcuts valid when moving files. How do Civil3D projects tie into all of this? <i>Session</i> | |
| Grading in Civil 3D Josh Kehs, Autodesk | Learn the art of grading techniques in Civil 3D 2011. Use feature lines and grading objects to model basins, swales, and other civil engineering site features. Dynamically link site grading to corridor grading to ensure project grading is up to date and error free. <i>Session</i> | |
| Leveraging FDOT's Civil 3D Workflows Steve Biver, EaglePoint | This presentation will show you an innovative way to produce FDOT deliverables in less time than your competitors. The Task Navigator will be used to show how you can use FDOT's proven Civil 3D Workflows to take advantage of the power of Civil 3D. <i>Session</i> | |
| Sheet Set Organizer Bruce Dana, FDOT | Bringing together a large plans set and an electronic delivery from a variety of contributors is challenging. FDOT Sheet Set Organizer (SSO) was designed to complement AutoCAD's Sheet Set Manager to create project wide plans plotting and indexing, and help meet FDOT Electronic Delivery requirements in an AutoCAD world. SSO essentially is the AutoCAD counterpart of Sheet Navigator and Electronic Delivery Indexer (EDI) provided by FDOT for MicroStation. Come see how this tool will be applied to manage and assemble plans sets. <i>Session</i> | |
| Structures Plans Production Mike Robertson/James Frederick, FDOT | Learn how to generate Structures Plans Sheets using FDOT templates, styles, tools, blocks, and processes. Model Space/Paper Space and Annotation Objects. Do you need Civil3D for creating Structures drawings? <i>Session</i> | |
| Using the FDOT Intellassembly Adam Koerner, CAD Artisans | <i>Session</i> | |
| Drainage Basics Josh Kehs, Autodesk | Learn the basics of StormNET, the new Autodesk drainage analysis tool. Explore its use in modeling and analyzing drainage systems including its interaction with Civil 3D 2011. Create customized reports in minutes to meet project documentation requirements <i>Session</i> | |

SESSION/WORKSHOP DESCRIPTIONS

| EVENT | DESCRIPTION | |
|---|---|----------------|
| Generic Subassemblies Alan Gilbert, Autodesk | During this session we will be discussing how Civil 3D uses subassemblies. This session will cover the subassembly components, ranging from points, links, and shapes and how they interact relative to volumes, surfaces, corridors, stake out, and feature line creation. | <i>Session</i> |
| EE ProPack Mark Scacco, Engineered Efficiency | Engineered Efficiency, Inc.'s free EE ProPack Cad Mgr AutoCAD Civil 3D add-on application extends the out-of-the-box functionality and fills feature gaps in Civil 3D. Attend this session to learn how FDOT is using these tools and how you can benefit from them too as you implement Civil 3D at your organization. | <i>Session</i> |
| Thursday June 3, 2010 | | |
| GEOPAK Corridor Modeler Vern Danforth, FDOT | An urban design example utilizing the NEW FDOT2010 template library. Project requirements included: variable median transitions, special ditch profiles, meandering sidewalks, variable width sidewalk, gravity walls, retaining wall, intersections, driveway, etc. . GEOPAK CM tools used: display rules, point controls, style constraints, end condition exceptions, parametric constraint values, etc. | <i>Session</i> |
| Bentley Civil V8i GEOPAK (SELECTseries 1 and 2) Update Derricke Gray, Bentley | This presentation will cover all the new enhancements in the latest releases of GEOPAK V8i. From the new Civil Geometry and Data Acquisition to the latest in Roadway Designer and modeling, we'll cover everything you need to know to bring you up to speed with the latest in Civil technology. | <i>Session</i> |
| Electronic Delivery Scott Green, Greenhorne and O'Mara | This 4 hour session will describe and demonstrate the basic tools and work flow to prepare an Electronic Delivery using the FDOT2008 software. Tools to be discussed include: <ul style="list-style-type: none"> • EDI - Electronic Delivery Indexer • PEDDS – Professionals Electronic Data Delivery System • Sheet Navigator • FileChecker The session will demonstrate how to create required deliverable files as well as other important files such as: <ul style="list-style-type: none"> • Index.xml, • SheetInfo.xml, • ProjectIndex.xml, • Project.pdf, • ProjectFiles.xml. | <i>Session</i> |
| Bentley Architecture Mary Chib, Bentley | An in-depth view of the workflow tools available within Bentley Architecture to design and build 3D BIM Models, and how to use the model to generate drawings, renderings, schedules and reports. | <i>Session</i> |

SESSION/WORKSHOP DESCRIPTIONS

| EVENT | DESCRIPTION | |
|--|---|-----------------|
| Introduction to Roadway Designer Ray Filipiak, Bentley | The attendees will learn to access a GEOPAK Corridor Modeler project in preparation for designing a model in Roadway Designer. They will also learn how to setup and apply templates to a corridor, how to handle template transitions that are defined in the corridor, to navigate through the corridor. Once the template is defined they'll learn how to setup superelevation with and without GEOPAK Shapes Input files. Finally we'll generate a surface from the roadway design. | <i>Workshop</i> |
| Creating and Editing Superelevation Within Roadway Designer Corey Johnson, Bentley | Discover how to apply superelevation your way with AASHTO, ASCII, and Shape files. In this hands on workshop, you'll learn the best techniques to create and edit superelevation for your projects using Bentley's Roadway Designer. | <i>Workshop</i> |
| Drainage Design/Plans Production with ASAD Tim Hiteshew, Hiteshew Engineering | | <i>Workshop</i> |
| AutoTURN William Yeung, Transoft Solutions | Join Transoft Solutions as we launch AutoTURN 7.0 - the latest version of the world's most widely used vehicle simulation and swept path analysis CAD software. | <i>Workshop</i> |
| What's new in FDOT2010 for Structures Plans Production James Frederick/Mike Robertson, FDOT | What's changing for Structures in FDOT2010 & MicroStation V8i? New fonts and how to work with legacy sheets, new standard drawings and data tables, demonstration of the SuperSection program for generating bridge cross sections. | <i>Session</i> |
| Getting Started with Roadway Designer Kevin Jackson, Bentley | Bentley's Roadway Designer is powerful but simple to get started. Discover how easily you can streamline your design processes with Roadway Designer's intuitive, practical workflows. | <i>Session</i> |
| The State Geotechnical Project Database & Creating SPT Boring Sheets Mike Robertson, FDOT Erica Hughes, Florida State Univ. | Get the dirt on the new Florida Geotechnical Project Database and how to use it to automate the creation of Core Boring Sheets in seconds instead of hours. | <i>Session</i> |
| Creating Components and End Conditions Derricke Gray, Bentley | Learn the basics in creating all component types, including simple, constrained, unconstrained and the new stripping/overlay components, while also learning to create both simple and more complex end conditions. | <i>Session</i> |
| Bentley Structural Mary Chib, Bentley | An in-depth view of the workflow and tools available in Structural Modeler for producing a physical structural model for analysis in RAM and producing framing plans, schedules and reports. | <i>Session</i> |
| MicroStation V8i for Civil Engineers Ray Filipiak, Bentley | A short overview of the enhancements included in Microstation V8i (Select Series I). Included in the topics covered in this training are the Microstation V8i enhancements that will benefit the civil designer and the new Civil Platform Toolset. The training will give the user an introductory knowledge of this new functionality. The topics included in this course will combine Microstation V8i functionality enhancements with new Civil Platform. | <i>Workshop</i> |

SESSION/WORKSHOP DESCRIPTIONS

| EVENT | DESCRIPTION | |
|--|--|-----------------|
| Roadway Designer Constraints and Display Rules Kevin Jackson, Bentley | Learn how template constraints in the Roadway Designer Templates work and how to apply them. Do you have multiple conditions you want to model in a single template? Display rules will allow you to have multiple scenarios. | <i>Workshop</i> |
| FDOT Drainage James Worley, FDOT | This workshop is an entry level overview of the FDOT2010 Drainage tools available for use within the FDOT2010 workspace. During the workshop the student will use all of the Drainage tools within the FDOT2010 menu on a provided dataset. | <i>Workshop</i> |
| GuidSIGN William Yeung, Transoft Solutions | Sign Design Faster. And Easier. Using drag-and-drop objects, intelligent letter formatting and spacing, the latest FHWA Series fonts and MUTCD standards together with panel and object libraries - nothing could be easier to design signs in only minutes. | <i>Workshop</i> |
| So I've got this model. Now what? Brad Eiler, FDOT | In this session we will see how the model can be used on the design side to spot potential design problems, locate conflicts and can be rendered for public presentation. You will see how to apply materials to a model, view your drainage and utilities in 3D, and create simple animations. You will be surprised and how quick and easy it is. | <i>Session</i> |
| Working With Roadway Designer Point Controls and Aliasing Corey Johnson, Bentley | Learn how to simplify your designs using Roadway Designer point controls and target aliasing. | <i>Session</i> |
| Non-Standard Electronic Delivery Bruce Dana, FDOT | This session will discuss a few "non-standard" electronic delivery issues, like a project with a character in its FPID, or projects that contains a large number of manually indexed sheets, or revisions to strung projects. Also some tips on management of large projects, and strategy to work efficiently between your server and workstation. | <i>Session</i> |
| Major Changes in Printing Jimmie Prow, FDOT | MicroStation V8i introduces some major changes in printing. Batch plotting has been replaced by Print Organizer which introduces the feature of Print Styles. We will take a close look at these new tools and learn how they can be used and configured in your environment. | <i>Session</i> |
| Using the New Geometry Tools Robert Garrett, Bentley | This will introduce the Bentley Civil User to the new Civil Geometry tools available in version V8i (Select Series 1). These new tools introduce our new graphically oriented, rules based, dynamic geometry tools. The geometry is stored as graphic elements in the DGN file with all user inputs persisted as a rule. This allows dynamic update of related elements when edits are made. | <i>Session</i> |
| Electronic Delivery Error Resolutions Scott Green, Greenhorne & O'Mara | In this session, we will cover the top 10 most common errors that occur during Electronic Delivery along with their resolutions. We will also cover how to deal with plotting issues that occasionally occur. | <i>Session</i> |
| Latest Updates for AEC/BIM Users Rob Snyder, Bentley | | <i>Session</i> |

SESSION/WORKSHOP DESCRIPTIONS

| EVENT | DESCRIPTION | |
|---|---|-----------------|
| Friday June 4, 2010 | | |
| MicroStation XM to V8i (Tips & Tricks) Jimmie Prow, FDOT | This presentation will demonstrate how to use the vertical gore tool to its full capacity. This presentation will also show how to merge your ramp and mainline corridors into one seamless model. The merging of corridors will be using corridor seeking point controls and hidden components. | <i>Session</i> |
| Bentley Rail Track and Bentley Rail Overhead Line - V8i (SELECTseries 1) Overview Ron Gant, Bentley | You will learn, in this session, how to paste data from Excel into DGN files while maintaining formatting, a link to the source file and ways to easily update that data in the DGN in the future without having to re-paste it. Several methods will be covered | <i>Session</i> |
| Integrating Civil Design, Mapping, and Geospatial Data Kevin Jackson, Bentley | With the release of V8i (SELECTseries 1), Bentley civil applications now include all the capabilities of Bentley Map. This presentation will focus on how to improve your design workflows utilizing mapping and geospatial data, as well as combining the disparate formats for use with Google Earth. | <i>Session</i> |
| What's New in ASAD Tim Hiteshew, Hiteshew Engineering | | <i>Session</i> |
| Advanced Cross Sections Denise Broom, FDOT | This workshop will explore running Proposed Cross Sections using the FDOT 2010 criteria and it's new features. The emphasis of the workshop is on how to use the re-definable variables, plan graphics and adhoc attributes to control the cross sections. | <i>Workshop</i> |
| Corridor Design with FDOT Templates Brad Eiler, FDOT | This workshop was developed to teach students to design a Corridor and produce a 3D Surface Model to cut standard cross sections utilizing FDOT Standard Components and Templates using the GEOPAK Corridor Modeling tools. | <i>Workshop</i> |
| Civil Visualization Jerry Flynn, Bentley | In this workshop you will learn to setup cameras, lighting, and environments to work with MicroStation's Luxology Render Engine. You will also learn to create and apply materials, and how to add content such as cars and trees to liven up your civil visualizations. How to create simple flythrough animation will also be covered. | <i>Workshop</i> |
| Introduction to Roadway Designer Template Creation Corey Johnson, Bentley | This workshop outlines the basic steps necessary to create simple or constrained components and emphasizes the importance of naming conventions. Attendees will learn tips for assembling template components and ways to organize components for others to use. | <i>Workshop</i> |
| Intro To Template Design in Corridor Modeling Vern Danforth, FDOT | An introduction to the ECSO's NEWLY developed FDOT2010 template library. Create a project template starting with a typical from the PPM Exhibits OR build a new one from the standard delivered components. | <i>Session</i> |
| Dynamic Plot Solution Ron Gant, Bentley | Experience the power of ProjectWise Dynamic Plot V8i, Bentley's new application that moves paper into the digital age. In this interactive overview, you'll discover how ProjectWise Dynamic Plot V8i creates an intelligent link between paper plots and digital models, shrinking the time required to sync written comments and digital data from days to seconds. | <i>Session</i> |

SESSION/WORKSHOP DESCRIPTIONS

| EVENT | DESCRIPTION | |
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| Resurfacing and Overlay Made Easy With New Overlay Tools in Roadway Designer Kevin Jackson, Bentley | Tired of struggling with grinding and overlay problems? Discover new tools to make your job easier and put you in the expert seat. Hear more about the new overlay tools in Roadway Designer. | <i>Session</i> |
| Pasting linked data from Excel into MicroStation Eiren Smith, Axiom | High Speed Rail! Is it finally coming to America? This presentation will cover the only products in the industry designed specifically for HSR. Also highlighted will be successful projects already completed around the globe with Bentley Rail Track. | <i>Session</i> |
| DrawSign Richard Barman, FDOT | DrawSign is one of those tools that once you learn it automating your sign quantities is a breeze. Learn from a real user how to make this tool a part of your standard design process. | <i>Session</i> |
| Civil Visualization Derricke Gray, Bentley | So I've created my model in Roadway Designer – what now? This presentation will show you some simple and easy workflows that allow anyone to visualize and render their 3D model. Assign materials, place pavement marking and trees – things that used to be difficult are now literally so easy even a cave man could do it! | <i>Session</i> |
| Roadway Designer: Using Point Controls and Superelevation Kevin Jackson, Bentley | This presentations shows users how to take advantage of Roadway Designer tools for point controls, aliasing, and superelevation. | <i>Session</i> |
| SiteOps Tom Kruse, ModernTech | SITEOPS is patented land development software that combines powerful layout, grading, and piping tools with the ability to auto-generate cost optimized design files and cost estimates. This online Software-as-a-Service (SaaS) "Cloud Computing" enables rapid site evaluations and incredibly fast "what-if" scenarios, allowing civil engineers to focus on engineering instead of repetitive drafting. | <i>Session</i> |
| Obtaining and Using GIS Data in CADD Shannon Weatherby, FDOT | This presentation addresses data interoperability between GIS, MicroStation, and AutoCAD formats. It covers data export from GIS to formats compatible with MicroStation and AutoCAD as well as <u>importing CAD data into GIS.</u> | <i>Session</i> |
| Bentley Civil Template Best Practices Derricke Gray, Bentley | For users who are just beginning to create templates, there are a lot of unknowns. How do I setup my point names? Should I create simple or complex templates? This presentation will give you some tips and best practice workflows to help get you started in the world of templates. | <i>Session</i> |
| Modeling of Gore Areas Using the Roadway Designer Patrick Evans, HNTB | Witness a completely new and dynamic way to create single and multilane roundabouts. With TORUS, designing optimal roundabouts that meet traffic operations and safety objectives has never been easier. | <i>Session</i> |
| Torus William Yeung, Transoft Solutions | With the release of V8i (SELECTseries 1), Bentley civil applications now include all the capabilities of Bentley Map. This presentation will focus on how to improve your design workflows utilizing mapping and geospatial data, as well as combining the disparate formats for use with Google Earth. | <i>Session</i> |

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|--|--|-----------------|
| GEOPAK Overlay Tools with Roadway Designer Kevin Jackson, Bentley | Overlay modeling and estimating is very difficult to calculate. Learn how Roadway Designer will allow you to calculate milling and leveling needed. The overlay tools will also automate the smoothing of vertical alignments for optimized design grades. | <i>Workshop</i> |
| Creating and Using End Conditions in Roadway Designer Corey Johnson, Bentley | In this workshop, you'll learn how to set up end conditions for your projects and discover how to compute different scenarios by searching for materials, alignments, or features. | <i>Workshop</i> |
| Map Data Sources and Clipping for Key Sheets Andra McMillan, FDOT | In this session, we will identify sources of data that are available through the Surveying and Mapping Office, and show the processes for using the clipping tool for key maps. | <i>Session</i> |
| Creating Intersections With Roadway Designer Derricke Gray, Bentley | One of the most asked questions from users who are beginning to investigate the power of Roadway Designer is 'How do I model intersections?'. This presentation will show you how. | <i>Session</i> |
| New Tools for Importing Data Into Bentley Civil Products Robert Garrett, Bentley | This will introduce the Bentley Civil User to the new Data Acquisition toolset which allows drag and drop collection of data needed for design such as survey data, LIDAR, aerial survey data, DEM data and more. | <i>Session</i> |