

The Arch Way



The Newsletter for Friends of Archway Systems

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Upcoming Events:

- Oct 20&22** MicroStation User Group Meeting
Archway & Rio Hondo CC
- Nov 3-12** Bentley Training
Honolulu, HI

MicroStation User Group Meeting

Please be sure to attend the next LA/ Orange County MicroStation User Group Meeting. This session's subject will be Bentley civil software for consultants and owners. Come hear all about Bentley civil software with colleagues while enjoying snacks and drinks. All complimentary. RSVP your reservation to Linda@archwaysystems.com

Hope to see you there!

- Oct 20th at Rio Hondo CC 6:00-8:00 pm
Oct 22nd at Archway 6:00-8:00 pm

Also for our Northern California readers, two new MicroStation User Groups have been set up! There is now one in Sacramento and one in the UC Berkeley area. For more information on their upcoming meetings contact either Rick Gauthier from Sacramento or Al Vera from Berkeley. Email Rick at rick.gauthier@lbdg.com or Al at avera@cp.berkeley.edu.

Looking for a Tropical Getaway?

Archway is hosting training in Honolulu, HI in November. Three classes will be offered the weeks of November 2nd and 9th.

The first week, beginning on the 3rd of November, MicroStation XM Essentials will be offered, ending on the 6th. During the second week, two classes will be offered, Bentley Architect and MicroStation XM to V8i Update. Bentley Architect will begin on November 9th and end on the 10th. The MicroStation update then begins on the 11th, ending on the 12th. If you would like to joining us for any of these classes, contact Archway for more information.

Bentley Civil Software

Bentley has many civil software products including the GEOPAK Civil Engineering Suite V8i. In their latest BE Current magazine, Bentley covered a retail center in Pennsylvania which faced many obstacles in production.

In Montgomery County, PA, a retail center was to be placed next to a landfill with two wetland fingers in the middle of the land available for development. The developers ran into issues with not being allowed to remove the wetland fingers unless they replaced them elsewhere.

The developers used MicroStation and GEOPAK extensively throughout the design process to be able to create three separate sections which allowed for the sustaining of the wetland fingers. Along with the sustaining of the wetlands, they were also able to design buildings with gutter options and landscaping which made use of the wetland fingers for irrigation. The gutters on the buildings helped to rebuild the wetland fingers during the stormy seasons.

The use of Bentley products such as MicroStation and GEOPAK also helped developers to not have to do as much cut and fill by hand drafting. They also used many other Bentley products including InRoads Survey, Bentley Descartes, PondPack and StormCAD to create every part of the design. InRoads helped the processing of survey data, while PondPack and StormCAD were used for drainage design and storm water management.

Overall, the project used Bentley civil software for efficiency and accuracy to create a complete success, even through all the obstacles.

Rhino Class Offered in November

Interested in learning how to model in Rhino 3D? Sign up for our class which will teach you everything you need to know to get started working on your modeling projects. You'll learn to create and edit accurate free-form 3D NURBS models. This fast-moving class covers most of Rhino's functionality, including the most advanced surfacing commands. Check out the training schedule on page 3 for more information on this class.

Who's Who at Archway Systems

Tom Lazear	Administration, Sales & Training	Linda Grubb	Support and administration
George McMeans	Sales & Training in Nor. Cal.	Josh Lazear	Webmaster , Z Support and Programming
Mike Lazear	Programming & Support	Daniel Lazear	Programming
Phill Frye	Training & Consulting	Stephen Peters	Application Engineer
Rick Plummer	Consulting & Sales	Chris Grubb	Civil Engineering Software
Greg Hamano	Training & Support	Lauren Jansen	Marketing & Sales
Sandy Lazear	Accounting	Shannon Lazear	Marketing

REPORT Caltrans Highway Projects Example Class

Building Custom Projects and Remote Workspaces in MicroStation

Course Type:

Instructor led Classroom Training; also available as “on-site”.

Products Covered:

MicroStation V8 2004 (Caltrans Standard), Workspaces and Projects developed in course seamlessly transferable to MicroStation XM and MicroStation V8i.

Target Audience:

Experienced MicroStation users, and/or CAD Administrators across all technical disciplines. Focus is on firms doing work for or seeking work with Caltrans.

Course Description:

The course is designed for large and small firms with multiple projects and a requirement to produce MicroStation CAD drawings that adhere to client determined CAD standards. The course will prepare students to design and implement custom Workspaces and Projects; and apply client determined standards to Projects. Beyond applying predetermined CAD standards, the course will also cover the development of seed files, cell libraries, level libraries, color tables, settings files and text style libraries.

Development of pen tables for plotting is also included in the course.

The course use Caltrans published CAD standards and selected MicroStation Example files as the “data set” employed in the course.

Course Objectives:

After completing this course, students will be able to:

- Create and implement custom remote workspaces
- Create and implement custom projects
- Apply predetermined client standards to projects
- Develop and apply seed files, cell libraries, level libraries, color tables, settings files, text style libraries, and pen tables to custom projects

Course Topics:

Workspace Fundamentals

- Workspace Components
- Sharing a Workspace (Remote Workspace)

Workspace Configuration

- Configuration Variables
- User and Project Configuration Files
- Working with Configuration Variables

Building Custom Projects

Selected Components of Custom Projects

- Seed files
- Cell libraries
- Level libraries
- Color tables
- Settings (manager) files
- Text style libraries
- Pen tables

Schedule of Classes:

All classes are 2 days and cost \$1000. They are located in SF Bay Area, CA.

Start Date	End Date
9/21/2009	9/22/2009
10/5/2009	10/6/2009
10/19/2009	10/20/2009
11/9/2009	11/10/2009
11/23/2009	11/24/2009
12/7/2009	12/8/2009
12/14/2009	12/15/2009

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Training Class Schedule

Archway offers a variety of training classes using the latest of each software. All classes use certified materials and are held from 8:30AM to 5PM. Locations: Huntington Beach training center (**HB**) and S.F. Bay area (**BA**). Classes can be delivered on-site and online. Call or email Archway for the latest class schedule. For the latest Bentley courses, see also: <http://www.bentley.com/en-us/training/>

Other Upcoming Bentley Classes

- **ProjectWise V8i User Essentials** — This one day course is for individuals who need to manage documents throughout a project cycle. Users will learn that ProjectWise is a scalable collaboration systems used by architecture, engineering, and construction teams to manage, find, and share CAD and geospatial content, project data, and Office documents. Cost is \$800. Location: **HB**
 - ◇ **Dates** — 11/17
- **Bentley Architecture Fundamentals XM Edition** — This course focuses on introduction to 3D building design and Building Information Modeling applied to Architectural Design. Cost is \$1025. Location: **Honolulu, HI**
 - ◇ **Dates** — 11/9 to 11/10
- **InRoads Fundamentals** — This course introduces civil engineering designers to using InRoads software for road design projects. This hands-on training walks students through the project design cycle; including setting up a project, existing ground data, geometry, volume design, and reporting. Cost is \$1360. Location: **HB**
 - ◇ **Dates** — 11/3 to 11/5
- **Hevacomp Mechanical Designer V8i** — This one day course covers the major mechanical programs within the Mechanical Designer's and Design Database packages. The course also includes an introduction to the Netsys sizing modules for pipes and ducts. Cost is \$800. Location: **HB**
 - ◇ **Date** — TBD

Upcoming Rhino Classes

- **Rhino I** — In this class you'll learn to create and edit accurate free-form 3D NURBS models. This fast-moving class covers most of Rhino's functionality, including the most advanced surfacing commands. Cost is \$695. Location: **HB**
 - ◇ **Dates** — 11/17 to 11/19

Upcoming MicroStation Classes

- **MicroStation Essentials** — This 4-day course is designed for the new MicroStation user and builds a solid foundation in the concepts, tools and features found in the MicroStation drawing environment. Starting with setting up a drawing and concluding with plotting, students walk through a typical workflow using the tools and features on the latest version of MicroStation. Cost is \$1400. Location: **HB**
 - ◇ **V8 XM Edition** — 10/13 to 10/16
Honolulu, HI — 11/3 to 11/6
 - ◇ **V8i Edition** — 12/8 to 12/11
- **MicroStation for CAD Users** — This course is designed to ease the transition to MicroStation for experienced CAD users by continually giving parallel references, showing how MicroStation handles operations familiar to the CAD user. Cost is \$1250.
 - ◇ **V8 XM Edition** —
Location **HB**: 11/18 to 11/20
 - ◇ **V8i Edition** —
Location **HB**: TBD
Location **BA**: 10/12 to 10/14, 11/2 to 11/4, 11/16 to 11/18 & 11/30 to 12/2
- **MicroStation User Update** — This course covers all of the major new capabilities of MicroStation V8i are covered in a series of hands-on exercises. Students will learn about Workflow Task based interfaces and Project Explorer among other topics. Cost is \$1025. Location: **HB**
 - ◇ **V8 XM to V8i** — 10/21 to 10/22 & 12/16 to 12/17
Honolulu, HI — 11/11 to 11/12
- **MicroStation: Everything 3D** — In this course users will navigate and work in a 3D design file, create and edit 3D geometry in MicroStation, create parametric 3D models and develop a basic knowledge of the rendering capabilities of MicroStation.. Cost is \$1350. Location: **HB**.
 - ◇ **V8 XM Edition** — 12/1 to 12/3
- **MicroStation Advanced User** — This course is intended for the experienced MicroStation user and focuses on the features of MicroStation designed to improve user and work-group productivity. Cost is \$1250. Location: **HB**
 - ◇ **V8 XM Edition** — 10/6 to 10/8
 - ◇ **V8i Edition** — TBD

Generative Components Workshops

Archway is conducting several Generative Component workshops online, for free. They are available to all. They started in September, but will continue into October and November. The dates for these seminars are 9/15, 9/29, 10/13, 10/27, and 11/10. Each of these workshops covers how to use Generative Components.

In these workshops you will learn about how Generative Components can turn your design intent into geometry. It is integrated with building information modeling, analysis and simulation software which allows for feedback on many parts of your design process. With Generative Components, designers can create free form, innovative sustainable buildings. Through these workshops you can learn more about how to make your designs a reality.

Contact Archway if you would like more information.



Thompson Ventulett Stainback and Associates — The Lagoons
Created with Generative Components

Archway's Product Line

Archway is a full service provider of technical software serving the Academic, Architectural, Civil and Mechanical Engineering markets.

DESIGN & ENGINEERING SOFTWARE:

- MicroStation, ProjectWise and applications
- VersaCAD Win & Mac
- Bentley Architecture & Generative Components
- InRoads, PowerCivil & Geopak Civil Software
- Haestad Hydraulic Analysis Software
- Hevacomp & Tas Software
- Solid Edge and applications
- TransMagic-translation software

3D GRAPHICS & ANIMATION SOFTWARE:

- Rhino 3D, Flamingo, Penguin & Bongo
- Bentley ProjectWise Navigator
- ArchVision libraries

COMPUTER PERIPHERALS:

- Z Corp 3D Printers

SERVICES:

- Training
- Phone support
- On-site support
- 3D Printing
- Customizing
- Consulting
- Contract software development
- CAD file translation

Archway Training Center

Checkout the training classes on page 3. Classes for every need for MicroStation, Haestad, InRoads, STAAD.Pro, RAM, Rhino, Solid Edge and VersaCAD. Increase your design productivity.

MyCADvideos.com

Checkout this site for free introductory videos and one hour webinars on the latest in CAD, FEM, and more.

PRODUCTS

ZPrinter[®]450

World's Most Automated and Affordable Color 3D Printer



\$39,900*



* Manufacturer's Suggested U.S. List Price for Printer only. Options, shipping, local taxes and duties not included.

ZPrinters

New 3D printing products from Z Corp are transforming how schools, architects, designers and engineers are creating their 3D models. Offering full HD color and pure white models that only need water to cure, Z Corp is turning the 3D printing world upside down. There has never been a better time to purchase a new Z Corp Printer. If you need information, would like us to create a 3D model for you, or would like to purchase a new Z Corp Printer, please give us a call.