

The Arch Way



The Newsletter for Friends of Archway Systems

VOLUME 23, NUMBER 10

OCTOBER 14

Archway Systems, Inc.

Southern California:
2134 Main St, Ste. 160
Huntington Beach, CA 92648

Phone: 714-374-0440
Fax: 714-374-0301
tom@archwaysystems.com

Northern California:
56 Nicholl Ave
Point Richmond, CA 94801
510-231-0502
gmcmeans@egs-inc.com

WWW.ARCHWAYSYSTEMS.COM

WWW.VERSACAD.COM

Inside this issue:

Who's Who at Archway Systems	2
Report: What is Really Happening at DOTs	2
Training Class Schedule	3
Upgrade Your MicroStation	4
Upcoming SCBUG User Group Meetings	4
Upcoming SIGs Schedule	4
MyCADvideos.com	4

Upcoming Events:

- Oct 17-18 — [Arizona Bentley Bash](#)
- Oct 24-25 — [NorCal Bentley Bash](#)
- Oct 28 — [AECOSim Building Designer SIG](#)
- Nov 4-6 — [Year in Infrastructure](#)
Conference in London
- Nov 17-19 — SCBUG Meetings in Whittier, Irvine, and San Diego, CA

Archway & ProjectWise

Archway is an **approved ProjectWise implementer** and now has several successful implementations under our belt. Here are comments from one of our most recent customers.

Marc Canas, VP of Operations at J.L. Patterson said, "We began hosting ProjectWise for our projects this year. The software was installed and we were trained by Archway Systems in a little over a month. We are now using ProjectWise on all of our projects and **attaining a level of file management enterprise wide that was desperately needed.** Archway has done a great job for us."

ProjectWise helps companies move from subconsultant to prime consultant or from subcontractor to prime contractor. Just a few of the benefits from ProjectWise include:

- Reducing duplicate files
- checking files in and out so everyone knows where everything is
- speeding uploads and downloads
- quickening searches for files
- automatically tracking referenced files

ProjectWise can manage **all types of files** and can do content searches on MicroStation, AutoCAD, Office, PDF, and many others. The companion product called Navigator can be used to view, markup, animate, or do 4D or Clash detection on iModels that come freely from all popular software such as Revit, MicroStation, AutoCAD, InRoads, Geopak, Civil3D, Tekla, and more. No matter what software the subconsultant uses, a composite can be made, viewed, clash detected, animated and more.

Contact Archway today to find out if **ProjectWise is right for you!**

NorCal Bentley Bash 2014 is Here!

The Northern California Bentley Bash is coming up quick! On **October 24th-25th**, Archway Systems, partnering with the **Northern California Bentley User Group**, will be hosting the Annual NorCal Bentley Bash! [Register](#) today to reserve your spot!

We will be at both **Sacramento State University** and **Stanford University** on **Friday, October 24th** for two sessions, AM and PM. We will also be at **UC Berkeley** on **Friday** for **one session** each in the afternoon. Then on **Saturday** we will be holding over 10 hands-on workshops at **UC Berkeley!**

With great Bentley and Archway expert instructors, great class choices and the opportunity to network and meet up with other Bentley users, this is a **Bash you don't want to miss!**

On Friday, classes including Intro to **ProjectWise, Water & Sewer**, and **MicroStation** will be offered at Sacramento State, with **InRoads, MicroStation Tips & Tricks** and a **Custom MicroStation VBA** class at UC Berkeley and **AECOSim Building Design and Energy Simulator** at Stanford.

On Saturday at UC Berkeley, topics include **InRoads**, Intro and Advanced **ProjectWise**, **Point Cloud Scan to BIM**, Intro and Advanced **RAM, MicroStation, AECOSim Building Designer**, and **Water & Sewer**. Over 10 sessions to choose from on Saturday! You don't want to miss out on this **FREE Bentley Bash!**

Space is limited so [register](#) today!

SELECT Open Access

SELECT Open Access is great for any company, big or small! It allows companies to use software on a per project basis and only pay for what they use. This is better for those who need more licenses, but only during crunch time. Or for those who can't afford to upfront the costs of the software. You pay quarterly, for the software you use. That's it! Want to know more or need help signing up? Contact Archway today and we can help get you set up!



Who's Who at Archway Systems

Tom Lazear	Administration, Sales & Training	Linda Grubb	Sales Manager
George McMeans	Sales & Training in Nor. Cal.	Josh Lazear	IT Specialist
Mike Lazear	Programming & Support	Daniel Lazear	Sales
Sandy Lazear	Accounting	Lauren Rybarczyk	Marketing & Sales
		Shannon Schoenberger	Marketing

REPORT

What is Really Happening at DOTs

Bentley Systems software including, InRoads, Geopak, MX, and MicroStation, has long been the standard for highway design in the US and around the world. Recently, the competition for that business has been fierce. And like in all hotly contested competitions, sometimes information gets a little distorted.

Caltrans Engineering recently published a memorandum clarifying the situation in California. It says that "MicroStation is the standard drafting software at Caltrans" and is "to be used for the drafting of all projects large or small". It was clarifying a memorandum from February 27, 2014 that stated "that the survey and roadway design portion of a project is now to be completed in...Civil 3D." The September memorandum clarifies that "it was not the intent of that [February] memorandum to suggest that Civil 3D software is replacing MicroStation."

All contract plans for all projects on the State Highway System are still to be submitted in DGN format. While electronic files for alignments, earthworks and digital terrain models required for construction or survey must be submitted according to Caltrans Standards, in this case Civil 3D compatible, it does not mean that Civil3D is required for use. In fact, the Caltrans September memorandum is quite clear that consultants may use any roadway design software of their choosing as long as the contract plans are in DGN format and others are in



compliance with Caltrans Standards.

For design and drafting, MicroStation continues to be the standard at almost all US state DOTs, the Federal DOT and many international DOTs. For highway engineering, InRoads, Geopak and MX are clearly the standard world round.

Also just this week, Wisconsin DOT cosponsored a "Best Practices for Utilizing 3D Modeling in Mega Projects" webinar on design of their complex "Zoo" interchange. With presenters Christopher Johnson, a Technologist/Visualization Specialist at CH2M HILL and William Mohr of the Wisconsin DOT, this webinar focused on how Civil Integrated Management and visualization technologies increased efficiency and

improved all aspects of the complex Zoo Interchange Mega Project including, cost, schedule, quality, collaboration, communication, public acceptance and more. You can register for and watch the recording [here](#).

As information gets distorted in fierce competition, just remember that Bentley software has long been the standard for Departments of Transportation world wide, and there is a reason for that. It is quality and efficiency that makes Bentley software standard throughout the industry. And the quality and efficiency of Bentley software is only getting better as they continue to innovate to always make their products faster, better, more efficient, and more interoperable.

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**), S.F. Bay area (**BA**), and Nashville, TN (**TN**). Classes can be delivered on-site and online. Call or email Archway or visit LearnMicroStation.com for the latest class schedule.

Upcoming MicroStation & Other Bentley Classes

- **MicroStation Essentials** — This 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. Cost is \$1600. Location: **HB, BA & TN**
 - ◇ **HB Dates** — 10/14 to 10/17; 12/16 to 12/19; 1/27 to 1/30; & 3/24 to 3/27
 - ◇ **TN Dates** — 2/10 to 2/13; & 4/7 to 4/10
- **MicroStation for AutoCAD Users** — This course is specifically for experienced AutoCAD users wanting to transition their CAD knowledge to MicroStation skills. Cost is \$1350. Location: **HB, BA, & TN**
 - ◇ **HB Dates** — 11/11 to 11/13; 1/6 to 1/8; & 2/24 to 2/26
 - ◇ **TN Dates** — 12/2 to 12/4; 1/27 to 1/29; & 3/10 to 3/12
- **MicroStation User Update** — This course covers all of the major new capabilities of MicroStation V8i in a series of hands-on exercises. Students will learn about Workflow Task based interfaces and Project Explorer among other topics. Cost is \$950. Location: **HB**
 - ◇ **V8 XM to V8i SS2** — TBD
- **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 \$1800 Location: **HB & TN**.
 - ◇ **HB Dates** — 12/16 to 12/19; 2/10 to 2/13; & 4/7 to 4/10
 - ◇ **TN Dates** — 10/14 to 10/17; & 3/17 to 3/20
- **MicroStation for Advanced Users** — This course is for the experienced MicroStation user and focuses on improving user and work-group productivity. Cost is \$1500. Location: **HB**
 - ◇ **HB Dates** — 2/3 to 2/5; & 3/31 to 4/2
 - ◇ **TN Dates** — 11/12 to 11/14; 12/9 to 12/11; 2/17 to 2/19; & 4/21 to 4/23
- **MicroStation CAD Management & Administration** — In this course, users will learn the skills and techniques necessary to manage a MicroStation-based design environment, with an emphasis on project management and standardization. Cost is \$2600. Location: **HB**
 - ◇ **HB Dates** — 12/2 to 12/5; 2/17 to 2/20; & 4/21 to 4/24
- **NEW - MicroStation for Animating** — This course covers how to animate in MicroStation 3D. Cost is \$1100. Location: **HB**
 - ◇ **Dates** — 11/18 to 11/19; & 3/3 to 3/4
- **NEW - MicroStation for Rendering** — This course covers how to use the Luxology rendering engine in MicroStation. Cost is \$1100. Location: **HB**
 - ◇ **Dates** — 11/20 to 11/21; & 3/5 to 3/6
- **NEW - MicroStation VBA Basics to Advanced** — This course covers the features of Visual Basic for Applications (VBA) development environment specific to MicroStation from the most basic to advanced features. Cost is \$1000. Location: **HB**
 - ◇ **Dates** — 1/13 to 1/14; & 4/15 to 4/16
- **AECOSim Building Designer Architecture** — This course is designed to help users understand the Architecture features available in AECOSim Building Designer. Cost is \$1500. Location: **HB**
 - ◇ **Dates** — 11/18 to 11/20; 2/24 to 2/26; & 4/28 to 4/30
- **InRoads Fundamentals SS2** — This class is to introduce civil engineering designers to InRoads software for road design projects. Cost is \$1600. Location: **HB & TN**
 - ◇ **HB Dates** — 10/20 to 10/23; & 1/20 to 1/23
 - ◇ **TN Dates** — 3/31 to 4/3
- **NEW - InRoads User Update SS2 to SS3** — This one day class walks user through the brand new InRoads SS3 built on OpenRoads technology. This class will highlight all the differences between SS2 and SS3. Cost is \$500. Location: **HB & TN**
 - ◇ **TN Dates** — 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 & TN**
 - ◇ **HB Dates** — 10/29 to 10/31; 1/27 to 1/29; & 3/24 to 3/26
 - ◇ **TN Dates** — 12/15 to 12/17
- **Rhino II** — In this class you'll learn productivity tools and NURBS concepts, advanced surfacing, using 2D drawings and images, sculpting surfaces, meshing and rendering. Cost is \$795. Location: **HB**
 - ◇ **Dates** — TBD

Upgrade your MicroStation

Are you still using an older version of MicroStation?
Here's what you could be missing!

- **Across Disciplines** — Geocoordination, SHP Support, Point Clouds, AutoCAD Interoperability, i-models, Windows Integration, Hypermodels, Model Population, Item Sets, Standards Automation & Validation, 3D PDF with item properties, Geospatial PDF, Markup Synchronization, Luxology Rendering, IFC Support, JT Support, Modeling Enhancements, Clash Resolution, Schedule Simulation
- **Civil** — Terrain Models/LandXML, Content Libraries, Geometry Stamping, Thematic Visualization, Traffic Animation
- **Building** — FBX, 3DS, 3DM, OBJ, SKP Support, 3D Printing, Solar Analysis
- **Geospatial** — Web Map Server, GPS Device Integration, Thematic Visualization, Raster Image Draping, Mesh Modeling Enhancements
- **Plant** — PDS Support

There is so much you could be missing if you are using an older version of MicroStation. All of this that could help you do your work better and more efficiently. **Upgrade today!**

Good news! If you have SELECT, your upgrade is free! If you're not current on SELECT, contact us today and we can get you into SELECT so you can upgrade! Also, if you have any need for **training** to get updated on MicroStation, check out our training schedule on **page 3** or give us a call!

Upcoming SIGs Schedule

We now have both **MicroStation Special Interest Groups (SIGs)** and **AECOSim Building Designer (ABD) SIGs!** They will both be using the flipped classroom style. Once you sign up, you'll have videos you can watch to learn on your own. Then there will be a **live Q&A session** that takes place on the dates listed below. There will be two Q&A sessions for each topic. One at **8am PDT** and one at **4pm PDT** on the same day.

- **Oct 28th** — [ABD SIG: Architectural](#)
- **Nov 4th** — [MicroStation SIG: MicroStation Variants](#)

Register today by clicking the links above! You don't want to miss out on the opportunity to learn more about these topics, for **free!** Check back next month for more SIGs!

Upcoming SCBUG User Group Meetings

The **Fall 2014 Southern California Bentley User Group Meetings** are coming up in the middle of November! This quarter, we will have **John Frampton** of **Bentley** who will be telling us all about the **new version of MicroStation!** You don't want to miss this free opportunity to hear about all that the new MicroStation has to offer and ask questions.

The first is on **Monday, November 17th** at **Rio Hondo Community College** in **Whittier, CA** from **6-8pm**. The second is **Tuesday, November 18th** at **HDR** in **Irvine, CA** from **6-8pm**. And the last one is on **Wednesday, November 19th** at **Rick Engineering** in **San Diego, CA** from **6-8 pm**. RSVP to [Lauren](#) with which meeting you'll be at!

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
- AECOSim Building Designer & Generative Components
- InRoads, PowerCivil & Geopak Civil Software
- Haestad Hydraulic Analysis Software
- AECOSim Energy Software
- Promis*e
- Pointools Edit and applications

Archway Training Center

Check out the training classes on page 3. Classes for every need for MicroStation, InRoads, STAAD.Pro, RAM, Rhino, and VersaCAD. Increase your design productivity. If there is not a class listed to fit your needs, call us and let us come up with a custom solution for you.

SERVICES:

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

3D GRAPHICS & ANIMATION SOFTWARE:

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

MyCADvideos.com

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

Archway Job Site

Check out our job site where you can view jobs that local companies have posted specific to your industry.