

The Arch Way



The Newsletter for Friends of Archway Systems

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Upcoming Events:

- April 14** MicroStation User Meeting Rio HCC
- April 16** MicroStation User Meeting Archway
- April 16** GC Workshop Online
- May 5** GC Workshop Online
- June 16-18** AWWA Conference San Diego

Special Upgrades for Bentley Civil Software

Bentley knows how hard these times are economically, but also know how important it is to keep our transportation systems maintained and improved. This is why Bentley Civil is offering upgrades to help improve your tools and services at special prices to give you the best return for your investment.

For *InRoads* upgrade from:

- InRoads Survey to InRoads Suite - \$3,500
- InRoads Site to InRoads Suite - \$3,000
- InRoads Site Suite to InRoads Suite - \$3,000
- InRoads Storm & Sanitary to InRoads Suite - \$3,000

For *GEOPAK* upgrade from:

- GEOPAK Survey to GEOPAK Civil Engineering Suite - \$3,500
- GEOPAK Site to GEOPAK Civil Engineering Suite - \$3,000

For a limited time, Bentley Civil upgrades include a one year subscription to SELECT, which provides flexible licensing options and matchless support. Contact Archway for more information!

If you do mapping, don't miss the special for introduction of Bentley Map. Normal price \$1495. Special price \$750.

Mechanical Design on a budget

There are lots of startups looking for a lower cost way to get started with solid modeling. Most all mechanical designers have learned some solid modeling in schools or at other employers, so when they start out they want it, but, what to buy and where to get the money? If this is your dilemma, call Archway for a no obligation, no cost analysis of your needs with recommendations for money saving, under \$2000, serious solid modeling software including part modeling, assembly modeling and drafting.

MicroStation User Group Meeting 4/14 & 4/16

Please be sure to attend the next LA/Orange County MicroStation User Group Meeting. Come hear V8i tricks and tips, guidelines for 3D printing, and discuss suggestions and plans for 2009 with colleagues while enjoying snacks and drinks. All complimentary. RSVP your reservation to Linda@archwaysystems.com Hope to see you there!

- April 14 at Rio Hondo CC 6:00-8:00 pm
- April 16 at Archway 6:00-8:00 pm

Be Conference

Recognizing the limited budgets available for business travel, Bentley has introduced a new format for their annual user gathering. Instead of the old-fashioned get together, Bentley instead will offer a virtual users meeting spread over several months. It will still include insightful keynote talks that are important to us all, as well as briefings by top Bentley executives and developers, plus demonstrations of software. The Be Awards will still conclude with a banquet for those that can travel and that award ceremony and banquet will be shown online also (everything except the chicken or beef dinner.) More information coming.

Who's Who at Archway Systems

Arlene Black	Administration and sales	Greg Hamano	Training & Support
Tom Lazear	Administration, sales and training	Josh Lazear	Webmaster , Z Support and programming
George McMeans	Sales and training in Nor. Cal.	Sandy Lazear	Accounting
Mike Lazear	Programming and support	Linda Grubb	Support and administration
Phill Frye	Training & consulting	Daniel Lazear	Programming
Rick Plummer	Consulting and sales	Chris Grubb	Civil Engineering software
		Lauren Jansen	Marketing & Sales Intern

REPORT

The Stimulus

President Obama's Stimulus plan should impact all engineers and designers in a positive way. But, especially civil and transportation engineers. Here is a summary of the \$48 billion earmarked for civil/transportation:

- Grants for airport improvements: \$1,100
- Upgrades to Federal Aviation Administration power systems, air traffic control centers and towers and airport lighting, navigation and landing equipment: \$200
- Grants for highway improvements: \$29,000
- Grants to Amtrak: \$1,300
- Grants for capital investments in designated high-speed rail corridors: \$8,000
- Public transit improvements and infrastructure investments: \$8,400
- Grants for investments and improvements to small domestic shipyards: \$100
- Department of Transportation spending oversight: \$20

Over \$48 Billion is to be spent on top of expenditures in other categories that relate to engineering and design. The \$48 Billion would represent jobs for about 40,000 engineers/designers/drafters if spent in one year. Realistically however, it will

probably take longer and not be quite that many jobs but, the number of jobs represented by that infrastructure work is still huge.

To learn more about the work promoted by the Stimulus, here are a couple of sources where you can check out what is happening in your area: for jobs: http://www.economicstimuluspackageindetail.com/Economic_Stimulus_Package_for_Jobs.html

Or, just Google Stimulus to get the latest articles.

Who will benefit? Those that are prepared. Whether just coming out of school or having just been retrained after having been laid off of a technical job in another industry, there are lots of opportunities to get prepared for one of those upcoming jobs. Here are a few.

Of the large civil groups, most use MicroStation as a standard. That would include the U.S. Army Corps of Engineers, 47 of 50 state DOTs, over 90% of the ENR, many county agencies, water districts and others.

So, professionals who are trained on MicroStation have an edge. MicroStation can be learned at many community colleges and universities. In California, Rio Hondo CC or Santa Ana CC have

excellent programs for MicroStation. Cal State LA, Cal Poly Pomona, Cal Poly SLO, and Cal State Sacramento are other examples.

MicroStation PowerDraft can also be downloaded for free from www.becareers.org. It comes with an automatic license for academic use and a tutorial guide. So, while the PowerDraft can not be used for commercial work, it is great for learning the basics of MicroStation. (A note to schools not yet teaching MicroStation, labs can download this too. It is a great way to get started).

Bentley, sensing the seriousness of the economic downturn and recognizing the stimulus program, has introduced a new program called "Be Employable". Go to www.bentley.com and then click the "Be Employable" button on the first page. Any person who has been laid off of their job can apply here and obtain access to Bentley's portfolio of professional software to self-retrain. In addition, it will provide access to helpful online training courses.

These are tough times for sure. But, as the old saying goes, "when the going gets tough, the tough get going". There are plenty of opportunities for engineers and designers to upgrade technical skills and then be prepared for the wave of infrastructure design work that is coming from the Stimulus program.

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**). Plus, some open enrollment classes are now taught at the training centers at LADWP and at the Port of Long Beach. 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/>

Upcoming open enrollment classes:

- **MicroStation Essentials XM**-All the basics of MicroStation V8 XM Edition. This 4-day class is basic for new users. Cost is \$1400, HB: 4/28 to 5/1, LADWP: 4/6 to 4/9 & 5/19 to 5/22, and BA: 4/20 to 4/23
- **MicroStation Essentials V8i** - Cost \$1400, HB: 5/12 to 5/15
- **InRoads Storm & Sanitary** - Cost \$1500, HB: 5/19 to 5/21
- **InRoads Fundamentals XM**-This is a Bentley certified, 3-day class using Bentley's InRoads 8.9 training manual. Cost is \$1350, which includes course book and instruction. HB: 4/7 to 4/9
- **InRoads Roadway Designer for Existing Users 2004** Cost \$1350, HB: 4/21 to 4/23
- **InRoads Roadway Designer XM**- Cost \$1350, HB: 5/6 to 5/8
- **InRoads Survey Fundamentals**- Cost \$900, HB: 6/2 to 6/3
- **STAAD.Pro Standard**-Introduction to FEM. Cost is \$1500. HB: TBD
- **STAAD.Pro Standard**-Introduction to FEM. Cost is \$1500. HB: TBD
- **Bentley Architecture Fundamentals XM**- Cost \$1000, HB: 4/16 to 4/17
- **Everything 3D**-Learn how to design in 3D using MicroStation's surface and solid modeling capability. Cost is \$1350. HB: 1/13 to 1/15; 3/31 to 4/2
- **Bentley MAP**-Covers the fundamentals of setting up a map database, mapping tools and more. Cost and time TBD.
- **Rhino Level I**-Learn to make 3D NURBs models. Cost is \$695 (Discounts available for educators). HB: TBD
- **Dealing with Caltrans**-Learn Caltrans standards. Includes Iplot, workplaces and more. 2-day class. Cost is \$1500. HB: TBD BA: TBD
- **Generative Components**- Learn elements of parametric design with GC. HB: Cost \$1550 2/17 to 2/18
- **Water Modeling Hec-RAS**-Fundamentals of water modeling using Hec-RAS. Cost is \$2500. HB: TBD
- **Solid Edge ST**-Fundamentals. Cost is \$1600 1/12 to 1/15

Generative Components

Only two more Online, GC, 3 hour workshops available. Choose from April 14 or May 5. Workshops start at 9am Pacific and conclude at noon. Participants are sent a CD with the software, a 30 day license, and a tutorial paper to follow. At the conclusion of the workshop, participants will know the user interface, will have completed 3 tutorials and will be exposed to the scripting method. Generative Components is the leading software for parametric design of very complex structures and is used by Foster + Associates, KPG, NBBJ, Morphosis and many other leading architects. Generative Components is taught at over half of the architectural schools in the U.S. and around the world

25% Off Any Haestad Software

Due to the new Water and Wastewater Stimulus Plan, supported by the recently passed American Recovery and Reinvestment Act 2009, Bentley is now offering a 25% discount for any of its water modeling software from its Haestad Methods product line.

These products include WaterCAD, SewerCAD, WaterGEMS, SewerGEMS, Hammer, CivilStorm, StormCAD or PondPack. For more information about these programs visit Bentley.com and look for Haestad Methods Water Solutions.

If interested email us here at Archway for a no-obligation quote. Please direct emails to Tom@archwaysystems.com.

Bentley Bash a Success

Over 200 engineers, architects, designers and drafters registered for the first annual, Southern California Bentley Bash at Rio Hondo College in Whittier a few weeks ago. The morning started with introductions and breakfast. Then six, concurrent workshops were held from 9am to noon covering MicroStation V8i, Inroads V8i, Bentley Building and Generative Components. Participants either learned using their own laptop, or on one of the 75 lab computers that had the software loaded. Each received a 100 page tutorial handout that was theirs to keep. After a lunch which featured a keynote by Michael Kolster, CAD manager for the Port of Long Beach, the morning sessions were repeated. Over 140 people learned an Introduction to MicroStation V8i, over 100 learned InRoads V8i and several dozen learned Bentley BIM. There is a possibility that the workshops may be repeated in Northern California this summer and all are looking forward to next year's Bentley Bash

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
- Solid Edge and applications
- TransMagic-translation software

3D GRAPHICS & ANIMATION SOFTWARE:

- Rhino 3D, Flamingo, Penguin & Bongo
- Softimage
- 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.

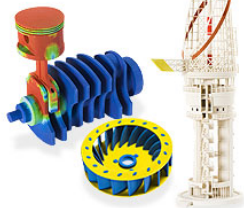
ZPrinters

Archway is offering \$5000 discount on new or used, Z Corporation, 3D printers until 4/15. 3D printing can help win contracts and shorten schedules by better communication. Many manufacturing, architecture and other firms have benefitted including Canon Design, Morphosis, Carrier Johnson, Lionakis Beaumont and more. 3D printing also enhances the education process as shown at USC, Long Beach State, and more.

PRODUCTS

ZPrinter®450

World's Most Automated and Affordable Color 3D Printer



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

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