Washington State County Road Administration Board

2020 Road Design Conference

Chelan, Washington

TOPCON SOLUTIONS Store

AUTODESK.

dts

Carlson

Eagle Point Software

infotech

CADapult Software Solutions

AEC TECHNOLOGY PARTNERS

QUUX SOFTWARE

AGENDA

Wednesday, March 25th

Registration - Centennial Ballrooms

Breakfast Sponsored by Autodesk

7:30

What's new (and coming) in C3D and Infraworks - Tim Yarris/Ramesh Sridharan

Product Managers for Autodesk Civil 3D and InfraWorks share a brief recap of what's in the 2020 releases, and then give a preview of what to expect in future releases.

8:30

Autodesk SHP Import Utility 2020 – Christopher Fugitt

Learn how to import survey related SHP files into Civil 3D. Explore how to create settings to import the data. Explore the other tools found in the utility including the Point Alignment Table, feature line editing tools, and quickly viewing Property Set information.

9:30

Managing Standards with Reference Templates - Kelly Boyd

Learn how you can enforce CAD standards by connecting your organization's drawings to reference templates.

10:45

Centennial Ballrooms

Lunch Sponsored by Autodesk

11:30

Civil 3D Pipe Interoperability with SSA - Charlie Ogden

Learn best practices for using Storm and Sanitary Analysis to analyze pipe networks.

12:30

Autodesk Subassembly Composer – Christopher Fugitt

Learn how to create and modify subassemblies utilizing Subassembly Composer. Explore how to create LaneWithMarkedPoint subassembly and modify a curb and gutter subassembly to allow for adjustment of the curb height by a profile.

1:30

Road Rehabilitation - Edmundo Herrera

Use a suite of tools in a comprehensive road rehab workflow including;
Scheduling rehab crews to minimize LOS during traffic control, understanding how queues are affected during work and importing rehabilitation schedules.

3:15

GIS-MO – Cameron Cole

Get an update on the progress of GIS-MO and a brief explanation of it's capabilities and value to engineers and designers.

4:15

Hospitality Suite 5423

Sponsored by MasterGraphics.AEC

5:30

AGENDA

Thursday, March 26th

Centennial Ballrooms

Breakfast Sponsored by DTS — 7:30

Washington State County Road Administration Board - John Koster — 8:30

A welcome greeting from John Koster, Executive Director of CRAB and CRAB staff introductions

Civil 3D Styles Tips and Tricks - Rick Ellis — 8:45

This class will cover the fundamentals of styles and discuss the different approaches that you can take to create and manage them. We will look at specific, real-world examples that range from common display needs to advanced labeling and expressions.

A Practical Guide to GIS in AutoCAD Civil 3D - Rick Ellis — 10:00

"Why should I care about GIS?" In this course, you will learn leverage the power of GIS and import/export Civil 3D objects like Surfaces and Pipe Networks. This class has won the award for the Best Hands-on Lab at Autodesk University.

Centennial Ballrooms

Lunch Sponsored by Infotech — 11:30

Practical Use Cases for Dynamo in Civil 3D – Don Quinn — 12:30

In this session you will learn how you can use Dynamo scripts to transition subassembly slopes over a station range in a corridor model and how to export corridor data from a Civil 3D drawing to Excel for editing, and round-trip it back into Civil 3D to update your Corridor Model.

Create Lightweight Surfaces From Drone Photos & Lidar Points – Shawn Cox — 1:30

Learn how you can use the tools you already own in the Autodesk AEC Collection to provide C3D with high-performance, small-footprint, surfaces that speed up design and won't bog down your machine.

Advancing your Designs with Civil 3D – Don Quinn — 3:30

In this session you will learn about some new features in Civil 3D that you can leverage in your designs. We will review use cases for new features like Connected Alignments, Offset Profiles, Relative Feature Lines, and Analyze Gravity Networks.

Quux Software, Sincpac Tools for Civil 3D – Christopher Fugitt — 4:30

Sincpac-C3D, the premier generic toolset extension for Autodesk Civil 3D software. It adds more than 200 general commands & features, and has been likened to "Express Tools for Civil 3D". For many users, Sincpac C3D saves five hours of work within the first few days of use.

Bowling Social at Chelan Lanes

Sponsored by Topcon Solutions Store — 6:00

AGENDA

Friday, March 27th

Centennial Ballroom
Breakfast Sponsored by Carlson Software — 7:30

MasterGraphics.AEC – Eric Shaffer — 8:30
MG ensures our partners work smarter, not harder. Equipped with expertise in custom, fully integrated AEC software solutions and decades of industry experience, we provide streamlined workflow, design and tech innovation that ensure your daily operations and mgmt are a success.

Carlson Software - Jim Reinbold — 9:00
We specialize in CAD design software, field data collection, and machine control products for the surveying, civil engineering, construction, and mining industries. Our renowned dedication to customer service is unique in the industry.

Learning and Knowledge Sharing with Pinnacle Series – Don Quinn — 9:30
Access training on demand for numerous Autodesk titles and leverage Workflows to guide you step-by-step through tasks that you don't commonly perform. Learn how to collaborate and share knowledge with the CRAB community.

Infotech - Wendell Gardner and Gavin Diaz — 10:30
Are paper processes still stalling your construction progress? Are you disqualifying vendors or delaying a project award due to errors/omissions? Infotech's 40 years of transportation expertise can help streamline workflows and increase staff productivity.

Topcon Solutions Store - Hope Findley — 11:00
Solutions is our middle name. Our mission is to exceed the expectations of our customers while providing innovative solutions and industry-leading customer service and support.

CRAB Project Design Competition Results and Closing Remarks - Brian Bailey — 11:30
The winner of the 2020 30th Road Design Conference Project Design Competition will be crowned! And we will have a brief discussion about the future of the Road Design Conference.

A special thanks to all of our sponsors, without them, this conference would not be possible!

Thank you to all the attendees from the counties of Washington. It is CRAB's pleasure to provide quality training opportunities that enhance road designs throughout the state.

Your opinion matters. Please go to http://www.crab.wa.gov/survey to fill out surveys for all of the instruction presented this week. Also, please fill out the survey about your experience here at the 2020 Road Design Conference. With your help, we can continue to improve this conference.

We are already planning for next year! Reserve the dates of March 23-26, 2021 at Campbell's Resort!