2016 Virtual Workshop Session #1-1: Survey & GIS

A Virtual Workshop Using Carlson Survey – Learn Deed Geometry

This session from That CAD Girl's 2016 Virtual Workshop introduces practical tips and workflows for survey and GIS users in Carlson Software. It covers deed entry, control point search, georeferencing, Google Earth and Esri map integration and creating GIS databases directly within Carlson.

Key Topics:

- Entering and correcting deed descriptions in Carlson Survey
- Using "Search Published Control" for NGS monuments
- Georeferencing drawings and importing imagery from Google Earth or Esri ArcGIS
- Integrating GIS data with SurvCE/SurvPC for field collection
- Building a GIS database and performing attribute queries in Carlson GIS

Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 05/17/2016.

2016 Virtual Workshop Session #2-6 Civil & Hydrology

A Virtual Workshop Using Carlson Civil and Hydrology – Learn Watersheds and Ground Cover

This session of the Carlson Civil & Hydrology training series provides a detailed walkthrough of hydrology workflows, watershed setup, storm drainage design and detention pond modeling within Carlson Civil. Instructor Mark Long demonstrates practical, step-by-step methods for defining watershed layers, calculating runoff, designing storm networks and creating detention ponds using Carlson's hydrology tools.

Key Topics:

- Watershed layer setup and runoff coefficient calculation
- Hydrology methods: Rational, SCS and HydroCAD
- Storm drainage network creation and pipe design
- Time of concentration and peak flow calculations
- Detention pond design and stage-storage analysis

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This session was presented by Mark Long on 05/24/2016.

2016 Virtual Workshop Session #2-5: Civil & Hydrology

A Virtual Workshop Using Carlson Civil and Hydrology – Learn RoadNet Setup

This session of the Civil & Hydrology workshop, led by Mark Long from Carlson Software, provides a detailed walkthrough of road network design using Carlson Civil 2017. The training covers creating centerlines, profiles, templates, intersections, cul-de-sacs and pad grading, with a preview of hydrology integration.

Key Topics:

- Road Network (RoadNet) setup and configuration
- Creating and editing templates, profiles and intersections
- Cul-de-sac and knuckle design
- Pad grading and surface modeling techniques
- Integration with hydrology modeling workflows

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This session was presented by Mark Long on 05/24/2016.

2016 Virtual Workshop Session #2-4: Civil & Hydrology

A Virtual Workshop Using Carlson Civil and Hydrology – Learn Subdivision Geometry

This session of the Civil & Hydrology Virtual Workshop, led by Scott Griffin, provides an in-depth demonstration of Carlson Software's Lot Network (Lot Net) tools for subdivision layout and design. The webinar covers lot creation, cleanup utilities, labeling, setbacks, building placement, reporting and integration with Google Earth and other Carlson modules.

Key Topics:

- Lot Network (Lot Net) setup and configuration
- Cleaning up subdivision linework
- Subdividing areas and adjusting lot geometry
- Labeling, setbacks and building placement
- Generating reports, exporting data and Google Earth integration

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This session was presented by Scott Griffin on 05/24/2016.

2016 Virtual Workshop Session #2-3: Civil & Hydrology

A Virtual Workshop Using Carlson 2017 – Learn Survey and Field-to-Finish Updates

This session of the Civil and Hydro Virtual Workshop provided an in-depth overview of new features and enhancements in Carlson 2017, covering updates across Civil, Survey, Hydrology, GIS and Takeoff modules. Dave Carlson demonstrated performance improvements, new tools and integration capabilities designed to streamline CAD and hydrology workflows.

Key Topics:

- Carlson 2017 new features and release timeline
- IntelliCAD 8.2 and solids functionality
- Supersonic 3D viewer, Carlson Community and LandXML 2.0
- PDF output, PDF merge and report formatter updates
- Enhancements in Survey, Civil, Hydrology, GIS and Takeoff modules

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This session was presented by Dave Carlson on 05/24/2016.

2016 Virtual Workshop Session #2-2: Civil & Hydrology

A Virtual Workshop Using Carlson Civil and Hydrology – Learn Contour Labeling

This session from the Civil & Hydrology Virtual Workshop provides an in-depth look at creating and managing surfaces and grading in Carlson Civil and Survey. It covers triangulation, contour generation, break lines, merging surfaces and practical grading workflows for real-world design projects.

Key Topics:

- Building surfaces from points, contours and break lines
- Managing TIN files and contour labeling
- Using Field-to-Finish, triangulation and surface editing
- Merging survey and GIS elevation data
- Grading pads, daylighting and balancing cut/fill volumes

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This session was presented by Jennifer DiBona on 05/24/2016.

2016 Virtual Workshop Session #2-1: Civil & Hydrology

A Virtual Workshop Using Carlson Civil and Hydrology – Learn Plan Preparation

This webinar, hosted by That CAD Girl, provides a detailed walkthrough of Carlson Civil and Hydrology tools, focusing on CAD productivity tips, polyline utilities, annotation techniques and surface modeling workflows. Attendees learn practical methods for editing, labeling and automating civil design elements within Carlson software.

Key Topics:

- GoToWebinar setup, PDH credit tracking and participation instructions
- Polyline editing and 3D offset tools in Carlson Civil
- Annotation, labeling and auto-annotate settings for survey drawings
- Layout utilities for roads, cul-de-sacs and right-of-way design
- Point management, text rotation and labeling pad elevations

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ve been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 05/24/2016.

2020 Virtual Workshop Session #3-6: Hot New Features in Carlson 2021

A Virtual Workshop Using Carlson Software 2021 – Learn to Use new survey, BIM and parking-design features

This virtual workshop session showcased new and enhanced features in Carlson 2021 software, focusing on Survey, Civil and CADNet modules. Presenter Scott Griffin demonstrated dynamic point attributes, BIM/Revit file integration, road network improvements and advanced parking design tools for surveyors and engineers.

Key Topics:

- Dynamic Point Attributes in Survey module
- BIM/Revit file import and manipulation in CADNet
- Road Network enhancements including hammerhead cul-de-sacs
- New Parking Network and design tools
- Handicap and layout customization features

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This session was presented by Scott Griffin on 12/17/2020.

2020 Virtual Workshop Session #3-8: Utility Network Design in Carlson Hydrology

A Virtual Workshop Using Carlson Hydrology – Learn to Model detention storage and coordinated utility networks

This virtual Carlson Software workshop, led by Mark Long, provided an in-depth demonstration of detention pond design, hydrology analysis and utility network creation within Carlson Civil and Hydrology. The session covered practical workflows, design parameters and troubleshooting tips for stormwater management and utility modeling.

Key Topics:

- Detention pond design and hydrology setup
- Rainfall data integration and hydrograph generation
- Outlet structure configuration (riser, orifice, weir)
- Utility network creation and pipe crossing management

- Troubleshooting and Q&A with developers

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This session was presented by Mark Long on 12/17/2020.

Using Carlson Hydrology for Storm Drain Design

A Virtual Webinar Using Carlson Software – Learn to Design Storm Drains

This webinar provides a detailed walkthrough of storm drain design using Carlson Hydrology. Mark Long demonstrates how to set up networks, define watershed parameters, size pipes and create plan and profile drawings within Carlson Software.

Key Topics:

- Carlson Hydrology interface and setup
- Watershed and drainage area calculations
- Storm and sanitary sewer network creation
- Pipe sizing, slopes and hydraulic grade line design
- Drawing plan and profile views with labeling and crossings

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This session was presented by Mark Long on 05/13/2021.