

Subdivision Roads & Lot Grading

Recorded 8/25/2020

This webinar demonstrates how to design subdivision roads and perform lot grading using Carlson Civil's Road Network and Grading tools. The session walks through building templates, setting profiles, elevating building pads, and creating 3D surfaces for residential developments.

Key Topics:

- Carlson Road Network setup and configuration
- Creating and editing roadway templates
- Elevating building pads and lot lines
- Generating and refining proposed surfaces
- Practical grading techniques for subdivisions

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

This session was presented by Jennifer DiBona on 08/25/2020.

Centerlines, Profiles & Overview of RoadNet

A Virtual Webinar Using Carlson Software – Learn to Create Centerlines and Profiles

This webinar provides a step-by-step introduction to creating centerlines, profiles, and road networks using Carlson Civil software. It covers both manual methods and automated workflows through Carlson RoadNet for efficient roadway design and grading.

Key Topics:

- Creating and editing centerline (CL) and profile (PRO) files
- Linking linework and labels in Carlson Civil
- Drawing and labeling profiles for roads, sewers, and crossings
- Using Carlson RoadNet for multi-road networks and intersections
- Generating surfaces, templates, and grading automation

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This session was presented by Jennifer DiBona on 03/26/2020.

Centerlines, Profiles &

Overview of RoadNet

Recorded 12/05/2018

This webinar provides a comprehensive walkthrough of Carlson Software's tools for creating and managing centerlines, profiles, and roadway designs using RoadNet. It covers manual methods for building alignments and profiles, linking data files, and automating roadway networks for efficient civil design workflows.

Key Topics:

- Creating and editing Carlson centerline (.CL) and profile (.PRO) files
- Linking CAD geometry to external data files
- Drawing and labeling profiles in Carlson Survey and Civil
- Designing roads and intersections using Carlson RoadNet
- Managing templates, cul-de-sacs, and volume reports

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This session was presented by Jennifer DiBona on 12/05/2018.

Advanced Road Network Design – with Mark Long of Carlson Software

Recorded 12/18/2018

This webinar, led by Mark Long from Carlson Software and hosted by That CAD Girl, provides an in-depth walkthrough of advanced roadway design using Carlson's RoadNet tools. It covers setup, super elevation, template transitions, and practical design workflows for real-world road projects.

Key Topics:

- RoadNet setup and configuration
- Super elevation design and AASHTO standards
- Template transitions and slope adjustments
- Cross-section generation and profile management
- Troubleshooting and workflow best practices

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This session was presented by Mark Long on 12/18/2018.

2016 Virtual Classroom – Survey & GIS Virtual Workshop – Bonus Lunch Session 3 Recorded 05/17/2016

This session of the Survey and GIS Virtual Workshop features a demonstration of Carlson Software's Precision 3D Topo, led by Nathan Cruise. The presentation showcases surface editing, visualiz

ation, field-to-finish workflows, and 3D modeling capabilities for survey and design professionals.

Key Topics:

- Precision 3D Topo features and workflows
- Surface editing and visualization tools
- Field-to-finish automation and 3D modeling
- Importing and managing survey data
- Auto texturing and presentation tools

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This session was presented by Nathan Crews on 05/17/2016.

2016 Virtual Classroom – Survey & GIS Virtual Workshop – Session 2 Recorded 05/17/2016

This Carlson Survey training session, led by Jeremy Taylor and hosted by That CAD Girl, provides a detailed walkthrough of traverse adjustment workflows using Carlson Survey's raw data editor and processing tools. The session also covers creating cut sheets for construction staking and introduces least squares adjustments and SurvNet integration.

Key Topics:

- Traverse adjustment and raw data processing in Carlson Survey
- Angle balancing, compass and least squares adjustments
- Cut sheet creation for construction staking
- Integration with SurvCE and SurvNet

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This session was presented by Jeremy Taylor on 05/17/2016.

2016 Virtual Classroom – Survey & GIS Virtual Workshop – Session 1 Recorded 05/17/2016

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

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

2016 Virtual Classroom – Civil & Hydrology Virtual Workshop – Session 6

Recorded 05/24/2016.

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 Classroom – Civil & Hydrology Virtual Workshop – Session 5

Recorded 05/24/2016.

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 Classroom – Civil & Hydrology Virtual Workshop – Session 4

Recorded 05/24/2016

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.