## VDOT CADD Support Training Schedule

<table>
<thead>
<tr>
<th>Classes</th>
<th>Dates</th>
<th>Days</th>
<th>Instructors</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>ContextCapture</td>
<td>May 26-28</td>
<td>3</td>
<td>Mike Barkasi</td>
<td>Remote</td>
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<td>8:30AM-3:00PM</td>
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<tr>
<td>STAAD Pro</td>
<td>June 1 - 4</td>
<td>4</td>
<td>Karimu</td>
<td>Remote</td>
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<td>9:30AM-4:30PM</td>
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<tr>
<td>MicroStation Basics</td>
<td>June 16-18</td>
<td>3</td>
<td>Tim Grimm</td>
<td>Remote</td>
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<tr>
<td>LumenRT</td>
<td>June 23</td>
<td>1</td>
<td>Bob Rolle</td>
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<td>9:00AM - 11:00AM</td>
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<td>LumenRT</td>
<td>June 25</td>
<td>1</td>
<td>Bob Rolle</td>
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<td>9:00AM - 11:00AM</td>
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<tr>
<td>OpenRoads Technology</td>
<td>June 22 - 26</td>
<td>4</td>
<td>Kevin Lusterio</td>
<td>Remote</td>
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### OpenRoads Technology (5 days)

The course provides training for the following items related to OpenRoads.

**Skills Taught:**
- Introduction to Terrain
- Civil Geometry
- Vertical Alignment
- Corridor Geometry Generation
- Creating Templates
- Corridor Modeling Overview
- SuperElevation
- Designing with Corridor Modeling
- Cross Sections and Labeling
- Earthwork
- Civil Cells
- DTM
- Horizontal Alignment
- Corridor Modeling Overlay/Widening
- Roadway Designer-Intersection Design

### MicroStation Basics (3 days)

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. Starting with setting up a drawing and concluding with plotting, students walk through typical workflows using the tools and features in MicroStation.

**Skills Taught:**
- Using General Tools
- Defining Element Attributes
- Controlling the Display of Designs
- Using AccuDraw and AccuSnap
- Creating Drawing Elements
- Selecting Elements
- Manipulating Elements
- Modifying Elements
- Working with Cells
- Annotating Designs
- Composing Designs and Drawings
- Printing and Publishing

### LumenRT

This course will cover the Bentley LumenRT Basics where users will learn the basics of LumenRT including:

- How to launch LumenRT
- Scene navigation
- Using the LumenRT menus

You will also learn how to:
- Export of a DGN model to Bentley LumenRT
- Creation of a rich environment with elements like terrain, water bodies, vegetation, and natural light
- You will place furniture and cars individually and animation of traffic
- Extracting technical views like sections using Clip plans as desired by the professionals is also presented

LumenRT data can also be created from ConceptStation and Users will be taught how to:
- Export from LumenRT to ConceptStation
- Extract ConceptStation model information for Vissim
- Add simple traffic in Vissim
- Create a Vissim traffic file to import back into ConceptStation and viewed in LumenRT

### ContextCapture (3 days)

**Skill Taught:**
- Basic Reality Modeling Training
- Basic settings for Creating a Reality Model
- Working with Georeferenced Data – Tagged and GCP
- In-depth overview of Aerotriangulation settings and Production settings
- Overview of capture requirements – included how to determine resolution, capture image planning - Time permitting live exercise of ground or air capture
- Advanced Air Ground Merge training
- Working with LIDAR - Working with Rig camera system data
- Using ORD for Ground extraction / volumes and differencing

Target Audience: Location & Design and other external stakeholders using Bentley’s ContextCapture software.

### STAAD.Pro

**Skill Taught:**
- In this course, you will generate model geometry, assign properties to structural elements, and perform an analysis using the STAAD.Pro software.

### VDOT CADD Support Training Schedule

**All online classes require the users to have the software installed on their PC.**