

HalfMoon Education Live Continuing Education Webinars

January 2023

Land Surveying Webinars

2021 Minimum Standards for ALTA/NSPS Land Title Surveys

Friday, January 20, 2023 | 10:00 am - 2:30 pm CST

Credits: Land Surveyors: 4.0 PDHs | Engineers: 4.0 PDHs

Highway Surveying Best Practices

Tuesday, January 31, 2023 | 9:00 am - 4:30 pm CST

Credits: Land Surveyors: 6.0 PDHs | Engineers: 6.0 PDHs

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2021 Minimum Standards for ALTA/NSPS Land Title Surveys

Friday, January 20, 2023 | 10:00 am - 2:30 pm CST

Tuition: \$209

Credits: Land Surveyors: 4.0 PDHs* **
Engineers: 4.0 PDHs

Purpose of and Standards for ALTA/NSPS Land Title Surveys, Part 1

Purpose and development of ALTA/NSPS Land Title Survey
Elements of ALTA/NSPS Land Title Survey
Surveying standards and standards of care
Other requirements and standards of practice
Normal standard of care Boundary establishment
Measurement standards

Purpose of and Standards for ALTA/NSPS Land Title Surveys, Part 2

Records research
Fieldwork

- Monuments
- Lines of possession and improvements along boundaries
- Buildings
- Cemeteries
- Rights of way and access
- Easements and servitudes
- Water features

Contents of ALTA/NSPS Land Title Survey maps
Map presentation and certification

Presented by Nathan Osborn *Montgomery Little & Soran, PC*
Mr. Osborn is an equity shareholder with Montgomery Little & Soran in Greenwood Village, Colorado. His practice is focused on real estate litigation, real estate transactions, and commercial litigation. He also helps numerous real estate and medical businesses by acting as their full-service corporate attorney.

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Highway Surveying Best Practices

Tuesday, January 31, 2023 | 9:00 am - 4:30 pm CST

Tuition: \$319 (\$289 for two or more registrations)

Credits: Land Surveyors: 6.0 PDHs**
Engineers: 6.0 PDHs

Highway Survey Safety Practices

State Department of Transportation (DOT) Safety Requirements
OSHA safety requirements
Railroad safety requirements

- Insurance
- Flag persons
- Notifications

Locating Land Boundaries and Monumentation

Statutory requirements for highway and roadway boundary location

- Notifications for property owners

Requirements for highway and roadway monumentation
State and local requirements for record filings

Working with Survey Datums and the State Plane Coordinate System

US foot versus international foot adoption
Low distortion projections
GPS on benchmarks: how to use control data

Working With GNSS Survey Specifications

State requirements for GNSS surveys

- Calibration of equipment
- Training of surveyors

Constellation and observation requirements
Metadata recording

Surveying Geometrics

State requirements for CADD work products and submittals
Standards for geometrics
Measurement data error analysis

Using Photogrammetry

Requirements for using photogrammetry
Comparison of photogrammetry and LiDAR
Integrating photogrammetry into workflows

Presented by

Russell W. Olsen, PLS *Engineering Design Source, Inc.*
Mr. Olsen is a senior professional land surveyor with Engineering Design Source, Inc., a Civil Engineering and Surveying Firm based in Chesterfield, Missouri. Mr. Olsen has more than 30 years' experience as a professional land surveyor. He is currently licensed as a land surveyor in Illinois, Missouri, Wisconsin, Indiana, and Texas.

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*No credit for MO land surveyors

**No credit for NJ engineers or land surveyors

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