

Land Law for Illinois  
Civil Engineers and Land Surveyors  
Online - Monday, August 24 and Tuesday, August 25, 2020

*Presented by J Cole Helfrich*

## Land Law for Illinois Civil Engineers and Land Surveyors, Day One

Monday, August 24, 2020 | 11:00 am – 3:00 pm CDT (including a 15-min. break)

### Boundary Law

Understanding basic principles of boundary law

- Determine the intent of the grantor
- Follow the steps of the original surveyor

Evaluating boundary evidence: legal descriptions, natural monuments, artificial monuments, adjoining boundaries, surveys and maps, statements and testimony

Methods for resolving boundary disputes

### The Law of Easements

Understanding the legal concept of easements

- Types of easements

Creating easements

- Drafting easements

Terminating easements

Understanding conservation easements

### Land Use Law

Understanding land use law      Comprehensive planning

Subdivision platting      Zoning      Restrictive covenants/deed restrictions

Traffic/parking      Nuisance

Handling land use approvals

- Plats
- Re-zoning, including PUD, PD, SUP, CUP

- Variances, special exceptions

Interpretations/appeal of staff decisions

Administrative appeals

Litigation

## Land Law for Illinois Civil Engineers and Land Surveyors, Day Two

Tuesday, August 25, 2020 | 11:00 am – 1:30 pm CDT (including a 15-min. break)

### Eminent Domain and Condemnation Law

Understanding eminent domain powers

- Source of eminent domain powers
- History of the exercise of eminent domain powers
- Types of eminent domain “takings”

Participating in the condemnation process

Appealing a condemnation decision

Understanding regulatory “takings” and inverse condemnation

### Understanding Adverse Possession

The history of adverse possession

Statutory law

Case law on adverse possession

Maintaining a claim for adverse possession

- Statute of limitations
- Elements of a claim

Defending against a claim for adverse possession

Practical location of boundaries

Determining rights to groundwater

Overview of regulations restricting access to and use of surface water and groundwater

### *You’ll be able to:*

**Evaluate** boundary evidence, including descriptions, monuments, surveys and maps.

**Identify** different types of easements and learn how they are created.

**Participate** in land use regulatory procedures, including subdivision platting and zoning.

**Understand** eminent domain, condemnation and inverse condemnation.

**Discuss** claims for adverse possession and defenses to adverse possession claims.

## HalfMoon Education Online Learning

# Land Law for Illinois Civil Engineers and Land Surveyors

*Live, Interactive Webinar Series*

*Monday, August 24 and Tuesday, August 25, 2020*



**Understand** principles of boundary law

**Resolve** boundary disputes

**Create** and **terminate** easements

**Participate** in zoning and subdivision platting processes

**Maintain** and defend claims for adverse possession

### Continuing Education Credits

This webinar offers 6.0 PDHs to Illinois professional engineers and land surveyors.

# Faculty

**J Cole Helfrich** *Craig R. Knoche & Associates, P.C.*

Mr. Helfrich first picked up a plumb bob in 1971 for Webster & Associates. From tape-and-transit to GPS, mortgage surveys to shopping centers, he has his seal on well over a billion dollars of commercial, residential and institutional developments and transactions in 22 counties in Illinois. Mr. Helfrich has enjoyed working with countless prominent developers, attorneys and other professionals in the field and the office. His specialties include real estate law, boundaries and boundary law, easements, rights-of-way and other encumbrances and servitudes, statutory and common-law plats, ALTA surveys, topography, building and site layout, construction- and project-management as well as land development consulting. Mr. Helfrich is a member of the National Society of Professional Surveyors and the Illinois Professional Land Surveyors Association. For the last 23 years he has been principal land surveyor with Craig R. Knoche & Associates, P.C., in Geneva, Illinois.

# Webinar Information

**Monday, August 24, 2020**  
11:00 am – 3:00 pm CDT (including a 15-min. break)

**Tuesday, August 25, 2020**  
11:00 am – 1:30 pm CDT (including a 15-min. break)  
*(please log into the webinar 15 - 30 minutes before start time)*

**Tuition**  
**\$299** for individual registration  
**\$199** for three or more registrants from the same company at the same time.  
**Included with your registration:** *PDF seminar manual.*

**How to Register**

- Visit us online at [www.halfmoonseminars.org](http://www.halfmoonseminars.org)
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

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**Cancellations:** Cancel at least 48 hours before the start of the webinar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another webinar or the self-study package. You may also authorize another person to take your place.

# Additional Learning

**Introduction to GNSS Surveying**  
A two-day webinar series!

|                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Thursday, August 20, 2020</b><br>10:30 am - 1:45 pm CDT                                                                                                                                                                                                                                                                                                                                                               | <b>Friday, August 21, 2020</b><br>10:30 am - 2:15 pm CDT                                                                                                                                                                                                                                                                                                                                           |
| <b>Agenda Highlights:</b><br>Introduction to GNSS <ul style="list-style-type: none"><li>• GPS vs GNSS</li><li>• Applications in surveying</li></ul> Fundamentals of GNSS <ul style="list-style-type: none"><li>• GNSS theory and science</li><li>• Overview of methods of GNSS surveying</li></ul> GNSS Surveying Errors <ul style="list-style-type: none"><li>• Accuracy vs. precision</li><li>• Error causes</li></ul> | <b>Agenda Highlights:</b><br>GNSS Surveying Methods and Best Practices <ul style="list-style-type: none"><li>• Site Calibration vs. defined coordinate system</li><li>• RTK methods</li><li>• Static methods</li></ul> GNSS Surveying Data Management <ul style="list-style-type: none"><li>• Data storage/backup/formats</li><li>• Data processing software</li></ul> GNSS Surveying Case Studies |

For more information and other online learning opportunities visit:  
**[www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)**

**Continuing Education Credit Information**

This webinar is open to the public and offers 6.0 PDHs to professional engineers and land surveyors licensed in Illinois. Educators and courses are not subject to preapproval in Illinois.

Professional engineers and land surveyors seeking continuing education credit in other states for this course will be able to apply the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

Course completion certificates will be awarded to participants who complete the webinar in its entirety, respond to all the verification prompts during the instruction, and earn a score of 80% on the quiz that follows the instruction (multiple attempts allowed).

**Can't Attend? Order the Webinar as a Self-Study Package!**  
Recordings of this webinar are available for purchase. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

# Registration

## Land Law for Illinois Civil Engineers and Land Surveyors

Live, Interactive Webinar - Monday, August 24 and Tuesday, August 25, 2020

| How to Register                                                                          |              | Registrant Information                                                                                                                                              |  |
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| Tuition                                                                                                                                                                                     |  |
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