



19210 S. Vermont Avenue, Building A, Suite 100
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www.irwaonline.org

Course 901: Engineering Plan Development & Application

March 25, 2020
Phoenix, AZ



Course 901: Engineering Plan Development and Application

Course Description:

The purpose of this course is to enable participants to improve their plan reading skills in order to perform their jobs more easily, effectively and efficiently. The course is designed to enable participants to improve their skills in using engineering plans and drawings.

Prerequisites: IRWA Course 100 “Principles of Land Acquisition” or IRWA Course 900 “Principles of Real Estate Engineering” (or equivalents), or basic understanding of engineering terminology and principles; and a minimum of two years of right of way engineering experience.

Course Level:

Intermediate

Topics:

- How to read topographic and property information on plans
- The interrelationship of plan, profile and cross section sheets
- How to determine the horizontal and vertical alignment of a centerline
- How to use aerial photogrammetry
- Plane coordinates
- Utility line crossings of highways
- Contour line characteristics
- How to calculate earthwork
- Interpreting right of way plans

Course Tuition Includes:

Participant Manual
Engineering tools (engineering scale, protractor and straight edge)

Required Materials:

Calculator
Pencil

Who Should Take This Course:

This course is designed for the new non-engineer employee who has acquired a basic understanding of engineering terminology and principles and has two years engineering right of way experience. It is also a valuable refresher course for experienced agents.

 Last Name First Name

 Title

If payment includes the fees for registrants other than yourself, check here:
 (Please submit names of other registrants on a separate paper along with this form)
 Will you also be attending? Yes No

 Company Name

 Address

 City, State, Zip/Postal Code
 (_____) _____ - _____ Yes No
 Phone Member Member ID Number

 Email Address

	Registration Deadlines	Member Tuition	Non-Member Tuition	Total Tuition Amount
On & Before:	March 15, 2020	\$265.00	\$330.00	_____
On & After:	March 16, 2020	\$315.00	\$380.00	_____

Total Member Registrants: _____
 Total Non-Member Registrants: _____

PRINT NAME AS IT APPEARS ON CARD: _____ 3-DIGIT CVV: _____

AMEX MC VISA Card #: _____ EXP: _____

SIGNATURE: _____ Date: _____ Amount to be Charged: _____

Course 901: Engineering Plan Development & Application March 25, 2020 Phoenix, AZ

Sponsor: IRWA Chapter 28
 Date: March 25, 2020
 Time: 8AM to 5 PM
 City: Phoenix, AZ

Class Location:
 Desert Willow Conference Center
 4340 E. Cotton Center Blvd.
 Phoenix, AZ 85040
 Phone: (602) 431-0001
 Participant Capacity: 30

Four Ways to Register:
 Online: www.irwaonline.org
 Fax: (310) 538-1471
 Phone: (310) 538-0233, x138
 Contact Course Coordinator

Course Instructor:

Tim Solinski, P.S. is a licensed Professional Surveyor in New Mexico (2006) and North Dakota (2012) with over 20 years of experience, the majority of which have been in supporting electric and gas distribution and transmission projects. He understands all aspects of the surveying profession, with an emphasis on utility and roadway construction, drainage, and boundary projects. Tim is CLIMB certified and instructs the 900 series courses.

Accommodations:

Homewood Suites
 4750 E. Cotton Center Blvd.
 Phoenix, AZ 85040
 Phone: (602) 470-2100
 Contact the hotel directly for rates and reservations.

Course Coordinator:

Kaye Bockmann, SR/WA
 2727 E. Washington St.
 Mailstation PAB10W
 Phoenix, AZ 85034-1403
 Phone: (602) 236-3129
 Email: kaye.bockmann@srpnet.com

Cancellation Policy: All classes scheduled by IRWA are subject to cancellation. All class registrants must contact the Course Coordinator prior to making travel arrangements, keeping in mind that the class may be cancelled at any time (for reasons including, but not limited to, insufficient registration, Instructor emergencies or other issues beyond the control of the chapter and/or IRWA). Fully liquidated damages for any losses incurred by a class registrant are limited solely to a refund of the registrant's prepaid class tuition. IRWA and its chapters assume no other registrant liability resulting from class cancellation.

Tuition Refund Policy: Written notification of intent to cancel registration must be received via email by both the Course Coordinator and IRWA Headquarters Education Staff (education@irwaonline.org) prior to the class start date in order to be eligible for a tuition refund. A full tuition refund will be issued if notice is received 15 days or more prior to the class start date; a 75% refund will be issued if notice is received less than 15 days prior to the class start date, and no refund will be issued for notice received on or after the class start date.