



19210 S. Vermont Avenue, Building A, Suite 100  
Gardena, CA 90248  
Phone: (310) 538-0233  
www.irwaonline.org

## 901 Engineering Plan Development & Application on 27 October 2016 in Halifax, NS



### 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.

**901 Engineering Plan Development & Application on 27 October 2016 in Halifax, NS**

Registrations for this class will not be accepted via the IRWA website. All interested registrants should contact the Course Coordinator, Mindy Murphy Gunn, or Bonnie Gray at gray@irwaonline.org or at (310) 538-1471 ext. 134

\_\_\_\_\_  
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
<b>On &amp; Before:</b>	<b>28 Sept 2016</b>	\$525.00 CAD + 15% GST	\$610.00 CAD + 15% GST	_____
<b>On &amp; After:</b>	<b>29 Sept 2016</b>	\$550.00 CAD + 15% GST	\$635.00 CAD + 15% GST	_____

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: \_\_\_\_\_

**901 Engineering Plan Development & Application on 27 October 2016 in Halifax, NS**

Sponsor: IRWA Chapter 65  
Date: 27 October 2016  
Time: 1 day – 8 AM to 5 PM  
City: Halifax, NS

**Class Location:**  
Delta Barrington  
1875 Barrington St.  
Halifax, NS B3J 3L6  
Phone: (902) 429-7410  
Fax: (902) 492-6405  
Participant Capacity: 20

**To Register:**  
Contact Bonnie Gray at:  
Phone: (310) 538-1471 ext. 134  
Email: gray@irwaonline.org  
Contact Course Coordinator

**Accommodations:**  
Delta Barrington  
1875 Barrington St.  
Halifax, NS B3J 3L6  
Reservations: 1-800-268-1133  
Phone: (902) 429-7410  
Fax: (902) 492-6405  
Rate: Single - \$139.00 CAD + 2.0% Levy + 15% HST  
Contact hotel directly for reservations.  
Reservations require first night room deposit or guaranteed with major credit card.

**Course Coordinator:**  
Mrs. Mindy Murphy Gunn  
P.O. Box 6000  
Fredericton, NB E3B 5H1  
Phone: (506) 453-8883  
Fax: (506) 444-5207  
Email: Mindy.Murphygunn@gnb.ca

**Course Instructor:**  
Course Instructor: Andrew Langille. M.Sc., P.Geo. obtained his B.Sc. Hons Geology from Mount Allison University in 1984 and a M.Sc. in Earth Sciences from Memorial University of Newfoundland in 1987 and completed additional post graduate studies in Chemical Engineering, Hydrogeology and Environmental Management. He acts as the Lands, Emergency Planning and Public Awareness Coordinator for Spectra Energy (Maritimes & Northeast Pipeline and Brunswick Pipeline) in Fredericton, New Brunswick. He has been working in the energy and environmental engineering industry since 1987 with past experience in upstream oil and gas exploration and development (Chevron and Shell), seven years in consulting: environmental engineering, environmental assessments and remediation, as well as downstream energy pipeline permitting and operations. Andrew lives in Fredericton, New Brunswick and likes to cycle, camp, hike, kayak, sail and ski.

**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.