



# Iowa Association of Municipal Utilities



IOWA  
ASSOCIATION OF MUNICIPAL  
UTILITIES

1735 NE 70th Ave.  
Ankeny, IA 50021



## Advanced Locating Workshop



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Common Ground Iowa®  
One voice. One vision. One Iowa.

April 19 - 20, 2011

IAMU Training & Office Complex  
1735 NE 70th Ave.  
Ankeny, IA 50021



# Advanced Locating Workshop

## April 19 - 20, 2011

- ◆ What types of locators are available?
- ◆ What are the internal schematics of a locator and how does it work?
  - ◆ Why am I having problems locating when...?

This workshop is designed to answer these questions for operators looking to learn about the complete operation of line locators and techniques for better locating. Attendees will also learn about:

- Types of locators (acoustic, ground penetrating radar, magnetic)
- Magnetic field locators and their influence
- Types of frequencies
- Antennas - Peak vs. Null
- Proper ways to apply signal
- Levels of confirmation - depth, current measurement, current direction
- Accessories - Fault locating, GPS, etc.
- Hands-On field operations - directions on specific locator operations

### Who Should Attend?

This workshop is designed for people who already have some locating experience and wish to learn more in-depth theory. Those who wish to understand how to troubleshoot when locating should also attend.

### Agenda

#### Tuesday, April 19

- 8:30 - 9:00 a.m..... Registration
- 9:00 - Noon..... Classroom  
*Travis Beran (Subsurface Solutions)*
- Noon - 12:45 p.m..... Lunch
- 12:45 - 1:45 p.m..... Classroom (continued)
- 1:45 - 4:30 p.m. .... Field

#### Wednesday, April 20

- 8:00 - 10:00 a.m..... "Locating is a Science and Art"  
*Mark Green (Consolidated Utility Services)*
- 10:00 - 11:00 a.m..... Troubleshooting Questions & Answers
- 11:00 - Noon..... Field
- Noon - 12:45 p.m..... Lunch
- 12:45 - 2:00 p.m. .... Field

### Instructors:

- Travis Beran, President of Subsurface Solutions
- Mark Green, Training and Safety Coordinator for Consolidated Utility Services
- Rudy Parcel, IAMU Gas Services Coordinator
- Rod Parcel, IAMU Gas Services Specialist

**This workshop is limited to the first 50 registrants.**

**\*If available, bring your locating equipment\***

**This workshop will fulfill IAMU Gas OQ tasks 3.1, 3.2, 3.3, and 3.4.**

### Hotel Information

IAMU recommends these area hotels (also shown on map below):

**I-35 & 1st St. Area**  
 Best Western Metro North: 515/964-1717 (**\$60 IAMU rate**)  
 Days Inn: 515/965-1109  
 Fairfield Inn: 515/964-5252 or 515/965-8400  
 Heartland Inn: 515/964-8202

**I-35 & Oralabor Rd. Area**  
 AmericInn: 515/964-2004 (**\$58 IAMU rate**)  
 Country Inn: 515/965-2646  
 Holiday Inn Express: 515/965-2400

If approaching IAMU from Interstate 35, turn west at the corner of Delaware and SE 54th. The street is no longer identified as NE 70th Avenue at this intersection.

Look for this sign:



**I-35 & Corporate Woods Dr. Area**  
 Hampton Inn & Suites: 515/261-4400  
 ValuePlace (extended stay hotel): 515/289-1701

< approx. 6 miles west at I-80 & Merle Hay Rd: Ramada Tropics Resort: 515-278-0271 (**\$69 IAMU rate**)



Mail or fax the enclosed registration form, or register on the IAMU website, [www.iamu.org](http://www.iamu.org) (click on "Calendar/Registrations").

**Registration Deadline:**  
**April 15, 2011**

# Registration

## Advanced Locating Workshop

### April 19 - 20, 2011

Name(s)

Registration <i>(Lunch and breaks included)</i>	_____	@ \$100 = _____	
	# of people		
TOTAL DUE	\$	_____	
Less IAMU Risk Management Coupons enclosed	(-)	_____	
<b>BALANCE DUE</b>	<b>\$</b>	<u>_____</u>	
<input type="checkbox"/> Check Enclosed <input type="checkbox"/> Please Bill Us			
<input type="checkbox"/> Credit Card - Ph. Number: _____			
<small>(You will be contacted for the necessary information)</small>			

Name of City/Utility \_\_\_\_\_

Address \_\_\_\_\_

(Number, Street/PO Box)

\_\_\_\_\_  
(City, State, ZIP)

\_\_\_\_\_  
(Phone)

\_\_\_\_\_  
(E-mail Address)



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**Registration deadline: April 15, 2011.**

**IAMU Cancellation Policy in effect**

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## **IAMU Cancellation of Registration Policy**

*As approved by the Board on March 4, 1999*

IAMU incurs direct and indirect expenses in planning and presenting workshops and other events for its members such as speaker fees plus food and facility fees. Whether you attend or not these fees must be paid. In fairness to all members, the following policy has been adopted to encourage timely notice and avoid shifting costs to other members.

**Refund will be returned** in full if the cancellation notice is three working days prior to the event.

Cancellation notice **must** be in writing by fax or email

**Fifty percent of the fee** will be waived if cancellation is received less than three working days prior to workshop/event.

**No refund** will be made for cancellations received after the event.

Your registration can be **transferred** to another person.

**Full or partial refund will be considered on a case by case basis.**

In general, waivers will be granted if the reason is related to: sudden illness, accident or injury; work-related emergency; death of a family member, close friend or co-worker; weather related emergency.

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