Utility Training Opportunities for DOTs

Jay Lindly
University of Alabama
FHWA’s NHI Course

• "Utility Coordination for Highway Projects"

• Targeted to transportation personnel responsible for accommodating or relocating utilities
  – Federal, state, local government employees
  – Utility company employees
  – Contractors and consultants
  – Mid- to senior-level managers
NHI Course

• Half-day, web-based course is completed before the on-site course.

• Two-day, instructor-led, on-site course requires the half-day as a prerequisite.
NHI Course Modules

- Project Development
- Planning, Environment, and ROW
- Design
- Construction
- Maintenance
- Accommodation
- Relocation
- SUE
- Innovative Practices
NHI Course Availability

• Course was piloted in November, 2011
• Potential Schedule:
  – Contact NHI perhaps as soon as May 2012 to schedule the course.
  – Course delivery might start as soon as July 2012.
NHI Course Contacts

• NHI Website:  [www.nhi.fhwa.dot.org](http://www.nhi.fhwa.dot.org)

• FHWA:  Mr. Ken Leuderalbert
    [ken.leuderalbert@.dot.gov](mailto:ken.leuderalbert@.dot.gov)
    317-226-5351
SHRP 2 Course:
Utility Conflicts and Solutions

• One-day, on-site course developed at Texas Transportation Institute (TTI)

• Target audience of utility coordinators, project managers, utility designers, contractors, and consultants.
SHRP 2 Course Lesson Plan

• Utility Conflict Concepts
• Utility Conflict Identification and Management
• Hands-on Exercise
• Use of Database to Manage Conflicts
Hands-on Utility Conflict Analysis

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<td>C3</td>
<td>1</td>
<td>WM</td>
<td>30&quot;</td>
<td>Proposed 18&quot; drainage pipe would cross WM.</td>
<td>37+20</td>
<td>60' Rt</td>
<td>QLA</td>
<td>3</td>
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<td>Review possibility of adjusting drainage pipes up to avoid conflict, lowest structure (B13) is at 5.6.</td>
<td>D</td>
<td>n/a</td>
<td>Utility conflict identified.</td>
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SHRP 2 Course Availability

• There have been two pilot courses.
• The third/last pilot course is not scheduled yet. To volunteer your state, call Chuck Taylor at TRB, ctaylor@nas.edu 202-334-2065
• We hope NHI will add this course to its roster.
• Additional info: Cesar Quiroga, c-quiroga@tamu.edu (210) 979-9411
Florida Utilities Coordinating Committee (FUCC)

- Has a 5-course training series
- Target audience of highway consultants and utility personnel with responsibilities in utilities coordination.
- Hopes series will form basis of “utilities certification” in Florida
- 450 persons trained in past few years
How Utility Coordination Is Evolving

Past
- Internal position
- Experienced personnel
- Long term
- Few Utilities

Present
- Shifting to outside sources
- Retirement
- On the job training
- Multiple Utilities

Future
- Total outsourcing
- Certification
Florida’s Approach

- Develop a training package specifically designed for utility coordination
- Add credibility behind the training classes by certification
- Use the certification by the FUCC for the standard measuring tool for a utility coordinator
Florida Course Modules

- Regulations and Agreements (1-day course)
- Coordination (1-day course)
- Design (2-day course)
- Construction Management (1-day course)
- Cost Estimating and Invoicing (1-day course)
For More Information about Florida Courses

• Mr. Dennis LaBelle
• M & T Consultants, Inc.
• Office: 305-279-8614
• Cell: 305-308-3096
• dlabelle@mtconsults.com
IUPUI Addresses SUE

• IUPUI-Purdue School of Engineering & Technology
• Department of Construction Engineering Management Technology (CEMT)
• CEMT 275: Applied Civil Engineering Drafting
Inside CEMT 275

- One Week on Subsurface Utility Engineering (SUE)
- 50-slide Powerpoint Presentation
- Homework on SUE
with New Technologies

Utility Designating
via
Surface Geophysical Methods

Detecting Frequencies

2012 AASHTO Subcommittee on Right of Way and Utilities Conference
Marriott Waterfront Hotel – Portland, Oregon
April 29 to May 3, 2012
Why Use SUE?
IUPUI Contact

- Tom Iseley, Ph.D., P.E.
  IUPUI-Purdue School of Engineering & Technology

Tel: (317) 278 - 4970
Email: dtiseley@iupui.edu
Summary

• One existing set of course offerings from Florida
• Two more courses may arrive soon from NHI

• Additionally, one university course addresses SUE