



Presented by:
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Industry Relations

MITA Update
2015 County
Engineers
Workshop

MUCC Guide Initiative



GUIDE

GEOSPATIAL UTILITY INFRASTRUCTURE DATA EXCHANGE



A MICHIGAN UTILITY COORDINATION
COMMITTEE INITIATIVE

MUCC Guide Initiative



MUCC GUIDE Initiative

- 0 GUIDE which stands for Geospatial Utility Infrastructure Data Exchange
- 0 Provides a mature, sustainable, approach to data collection, management and dissemination of 3D geospatial data on underground utility infrastructure by capturing accurate XYZ information at time of installation and organizing it in a GIS format for secure, highly accessible use by downstream stakeholders.

MUCC GUIDE Initiative

- 0 Share spatial utility data through a central repository
- 0 Reduce utility conflicts
- 0 Reduce overall utility life cycle costs
- 0 Enhance the safety of the general public
- 0 Improve project planning
- 0 Anticipate and identify utility conflicts before construction
- 0 Prevent unexpected utility relocations
- 0 Reduce owner risk

M-20 , Isabella County

Installation of 6" plastic gas main



M-20 , Isabella County

Installation of 6" plastic gas main



Comparing GUIDE costs to SUE

University of Purdue – SUE study 1999

- 0 71 projects studied
- 0 4 states
- 0 \$4.62 saved for every dollar spent
- 0 Average 0.5% of construction cost

University of Toronto – SUE study 2006

- 0 9 projects studied
- 0 \$2.05-\$6.59 for every dollar spent
- 0 Average 1.6% of construction cost

GUIDE resulted in cost of 0.75%-2% of construction cost

GUIDE Key Findings

- 0 Further Development of the GUIDE Requirements Document
- 0 Potential for Significant Roadway Agency Impacts
- 0 Training Requirements
- 0 Survey Staff Proximity to Projects
- 0 Coordination of Surveying Efforts
- 0 Development of Contractor Specific Language
- 0 Lack of Supporting Utility Conflict Cost Data



Public Act 174

Positive Response

Positive Response

- 0 All MISS DIG member utility owners are required to participate in the Positive Response program. This tool collects information, from utility owners, as to the locating status of a ticket.
- 0 Excavators must use Positive Response to verify if their ticket has been marked, is clear, or if utilities have yet to respond.
- 0 This information is administered by MISS DIG and is available, with your ticket number, online at response.missdig.org or via automated phone system at 800-763-3888.

Positive Response - PA 174

- 0 Sec. 3. (x) *““Positive response” means the procedure administered by the notification system to allow excavators to determine whether all facility owners or facility operators contacted under a ticket have responded in accordance with this act.”*
- 0 Sec. 5.(9) *“An excavator shall provide immediate additional notice to the notification system and stop excavation in the immediate vicinity if the excavator has reason to suspect the presence of an unmarked facility due to any 1 of the following:
 - (a) *Visible evidence of a facility with no marks visible.*
 - (b) *Lack of a positive response to a ticket.*
 - (c) *A positive response from a facility owner or facility operator indicating the presence of a facility with no marks visible.”**

Positive Response - PA 174

- 0 Sec. 6. (3) *“The notification system shall administer a positive response system to allow excavators to determine whether all of the facility owners or facility operators in the area have responded to a ticket and whether a particular facility owner or facility operator does not have facilities in the area of a proposed excavation or blasting.”*
- 0 Sec. 7. (3) *“A facility owner or facility operator shall provide notification to the notification system using positive response.”*

MISS DIG Positive Responses

effective 3/1/2015

- 000: **RESPONSE PENDING**- System generated default response attached to initial request
- 001: **NO CONFLICT**- Facility is outside of stated area/scope of excavation
- 002: **MARKED**- Facilities have been marked
- 003: **NOT COMPLETE**- None or some of the facilities have been marked, more time needed, coordination or assistance required to complete locating of facility
- 004: **MARKED**-UTILITY REQUIRED ON SITE DURING EXCAVATION- Facility owner operator required to be on site when excavating within noted scope of work for this specific facility
- 005: **ON GOING COORDINATION**- On-going mutual cooperation between facility owner operator and excavator
- 006: **NOT MARKED**-NO ACCESS TO WORK AREA-Facility owner operator could not get access to work area, and requires coordination with excavator

GREEN- Dig with caution following PA174 requirements

YELLOW- Contact facility owner operator, Dig with caution following PA174 requirements

RED- Do not Dig

MISS DIG Positive Responses

effective 3/1/2015

007: **STATED SCOPE OF WORK COMPLETE-** Facility owner operator confirmed stated scope of work completed

008: **FACILITY RESPONSE NOT REQUIRED-** This response is specifically for locate requests intended for a specific facility or facilities that have NOT been requested to locate by the excavator. Example- Locate Gas and Electric only, all other facility owners (water, sewer, telephone, cable TV, etc.) would respond "**FACILITY RESPONSE NOT REQUIRED**"- Facilities requested to be located would choose from the other possible positive responses

009: **ADDITIONAL LOCATING REQUIRED-** Facility owner discovered field conditions require additional locating and will communicate with excavator on resolution of additional locating issues

013: **CANCELED-** System generated response indicating the dig notice was canceled

999: **HAS NOT RESPONDED-** System generated response indicating the facility owner operator has not responded to the request

GREEN- Dig with caution following PA174 requirements

YELLOW- Contact facility owner operator, Dig with caution following PA174 requirements

RED- Do not Dig

Example -Positive Response Status

effective 3/1/15

Responses for ticket a043189001

Member	Name	Type	Revision	Response	Description	Response date	By
360NET	360 NETWORKS	NEW	00A	006	NOT MARKED-NO ACCESS TO WORK AREA	11/17/14 08:18:42	RMAPSAM-WEB
ARIA	ZAYO FIBER SOLUTIONS (ARIALINK TELECOM)	NEW	00A	008	FACILITY RESPONSE NOT REQUIRED	11/17/14 08:18:42	RMAPSAM-WEB
ATT	ATT/T	NEW	00A	003	NOT COMPLETE	11/18/14 11:33:07	RMAPSAM-WEB
ATT	ATT/T	NEW	00A	001	NO CONFLICT	11/17/14 08:18:42	RMAPSAM-WEB
ATTD	AT&T	NEW	00A	009	ADDITIONAL LOCATING REQUIRED	11/17/14 08:18:42	RMAPSAM-WEB
CEGDIS	CONSUMERS ENERGY GAS DISTRIBUTION	NEW	00A	007	STATED SCOPE OF WORK COMPLETED	11/17/14 08:18:42	RMAPSAM-WEB
COMT24	COMCAST	NEW	00A	002	MARKED	11/17/14 08:18:42	RMAPSAM-WEB
CTMN	CENTURYTEL MICHIGAN NETWORK	NEW	00A	004	MARKED-UTILITY RQUIRED ON SITE DURING EXCAVATION	11/17/14 08:18:42	RMAPSAM-WEB
FONORO	FONOROLA FIBER/GABES CONSTR	NEW	00A	005	ON GOING COORDINATION	11/17/14 08:18:42	RMAPSAM-WEB
GRANGE	GRANGER RENEWABLE RESOURCES	NEW	00A	003	NOT COMPLETE	11/17/14 08:18:42	RMAPSAM-WEB

GREEN- Dig with caution following PA174 requirements
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[Response Definitions](#)

Underground Pipe Installation and Inspection




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Underground Pipe Installation and Inspection

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<p>No Picture Available</p>	<p>PI 0212 Underground Pipe Installation and Inspection Training - February 12, 2015 Ferris State University Big Rapids 9am to 3pm</p> <p>Select one class for each participant. Registration Deadline is two weeks before class begins. Submitting this form does not guarantee your registration into a course. Ferris ICET will send an email when your registration has been accepted. Payment must be received by the start of class. Make checks payable to Ferris State University - ICET.</p>	<p>Price: \$195.00 Quantity: <input type="text" value="1"/></p> <p><input type="button" value="Add One Participant"/></p>
<p>No Picture Available</p>	<p>PI 0420 Underground Pipe Installation and Inspection Training - April 20, 2015 MDOT BAY REGION 9am to 3pm</p> <p>Select one class for each participant. Registration Deadline is two weeks before class begins. Submitting this form does not guarantee your registration into a course. Ferris ICET will send an email when your registration has been accepted. Payment must be received by the start of class. Make checks payable to Ferris State University - ICET.</p>	<p>Price: \$245.00 Quantity: <input type="text" value="1"/></p> <p><input type="button" value="Add One Participant"/></p>
<p>No Picture Available</p>	<p>PI 0421 Underground Pipe Installation and Inspection Training - April 21, 2015 MDOT NORTH REGION OFFICE *GAYLORD* 9am to 3pm</p> <p>Select one class for each participant. Registration Deadline is two weeks before class begins. Submitting this form does not guarantee your registration into a course. Ferris ICET will send an email when your registration has been accepted. Payment must be received by the start of class. Make checks payable to Ferris State University - ICET.</p>	<p>Price: \$245.00 Quantity: <input type="text" value="1"/></p> <p><input type="button" value="Add One Participant"/></p>
<p>No Picture Available</p>	<p>PI 0423 Underground Pipe Installation and Inspection Training - April 23, 2015 MDOT SUPERIOR REGION - BAY COLLEGE *ESCANABA* 9am to 3pm</p> <p>Select one class for each participant. Registration Deadline is two weeks before class begins. Submitting this form does not guarantee your registration into a course. Ferris ICET will send an email when your registration has been accepted. Payment must be received by the start of class.</p>	<p>Price: \$295.00 Quantity: <input type="text" value="1"/></p> <p><input type="button" value="Add One Participant"/></p>



Various Items for
2015 Season

Items to Consider for the 2015 Season

- 0 Need to account for the recent increased costs for aggregates, sand, cement, and trucking.
- 0 Unit prices for certain items of work do not represent an increase in material cost even.
- 0 Minimize short construction time frames

Items to Consider for the 2015 Season

- 0 Limit number of projects requiring restrictive working hours and/or time frames that in essence make the desired completion date unrealistic.
- 0 Evaluate MOT restrictions
- 0 Do not limit the construction season to July, August, and September. This puts a tremendous amount of stress on the contracting industry. It is requested to allow for work in the spring, fall, and winter months (if appropriate).