



21st Century Infrastructure Commission

MISS DIG ASSET MANAGEMENT

Bruce Campbell, C.E.O. June 27, 2016

	Detectable	Design	Communication
Current	<p>PA 174 of 2013, Section 7. (8) requires facilities to be detectable. The Michigan Damage Prevention Board has developed a best practice for this requirement. The best practice allows for electrically conductive facilities to be installed without any additional detection methods. For facilities made of inert materials, other detection methods must be added to the installation, such as tracer wires or marker balls. The best practice also allows for survey data, referenced to a USGS Coordinate system or direct survey grade GPS points, and recorded within the standards of professional care by a licensed surveyor at the time of construction to be used to detect facilities.</p>	<p>PA 174 of 2013, Section 6a. (1) describes the design and planning services. The intention is that the facility owner/operator determines if they have facilities in the area and then provides drawings or records. If the facility owner determines they do not have sufficient records they will arrange to mark their facilities. The designer can also request the facility owner to mark the infrastructure if they find the information provided to be insufficient. The facility owner/operator has 21 days to respond to the notice.</p>	<p>The MISS DIG System is the Notification System for the State of Michigan. MISS DIG receives requests for information on the location of underground facilities for design purposes, and the marking of the approximate location of underground facilities prior to digging. MISS DIG transmits the request to Member Facility Owners in the area who are then responsible to respond to the request and inform the requestor via Positive Response. PA174 of 2013 requires facility owners to participate in MISS DIG and requires excavators to request that the lines be located. The law also requires both parties to utilize the positive response system.</p>
In Process	<p>GUIDE (Geospatial Underground Infrastructure Data Exchange) is an MDOT Initiative to acquire underground utility information in the MDOT permitted right of way. MDOT is working in collaboration with Michigan Utility Coordination Committee and has received two grants to date to develop the program. Additional information on GUIDE can be found online at www.missdig811.org under the committees and best practices tab.</p>	<p>MISS DIG is in the process of developing a Near Ticket. The Near Ticket allows a designer to see what other design tickets have been requested in the same work area. This will be active as part of the 2016-2017 upgrades. MISS DIG is also reviewing the option to allow a designer to review active dig tickets in the area.</p>	<p>MISS DIG with a PHMSA grant is developing a Web Ticket Management System that will allow all members; Facility Owners/ Operators, Excavators and Designers to manage their MISS DIG requests. The System will include Facility owner and locator notes, pictures and drawings. This system will broaden the methods of communication between the locator and requestor.</p>
Future Developments	<p>The grant MDOT Received allows implementation of the GUIDE Program on a regional basis as a pilot. These efforts would further a policy or standard that would be developed by multiple stakeholders and vetted by MDOT. This standard could be adopted by Facility Owners throughout the state just as the MDOT Construction Standards.</p>	<p>Incorporating the PA174 requirement for detectable facilities and the GUIDE Standards MISS DIG would store and supply records. MISS DIG would then be able to provide this information to designers and planners as part of the design process. This process would then be incorporated into the dig notice process and would provide even greater communication between the excavator and the facility owner.</p>	<p>As part of the developments of the GUIDE program and incorporation into the design process, the next logical step would be to expand this information into the communication during the dig notice process. MISS DIG will request construction plan drawings be submitted with a dig ticket locate request. When the locate request expires, MISS DIG will then request the facility owner to approve the data before closing out the locate request and recording the drawings to our design ticket library.</p>