

TAG Grant Verbiage

The following information is what was provided in the 2018 Technical Assistance Grant (TAG) Project Narrative for a Marine Ticket.

Marine Ticket

Michigan has the largest amount of fresh water coastline in the United States and second largest coastline in the US. There are many pipelines that cross these bodies of water – Rivers, lakes, streams. MISS DIG 811 will develop and promote a marine locate & design request tickets. This will be used primarily for notification purposes. MISS DIG 811 will have to develop a new ticket and design type utilizing our development company. We will need to assign a member from our education department part-time to help educate and promote new ticket. A module for the ticket would also have to be created. Using the same method as the RP-1162 module. We will need to print materials and advertising for the ticket, for advertising in marine excavation themed periodicals as well as printing costs for flyers, handouts and other promotional items.

QUESTION 1

Describe the proposed project scope, goals and objectives that focus on areas where a pipeline failure could pose a significant risk to people or to unusually sensitive environmental areas (see definition in 49 CFR 195.6).

The scope of the project is to develop and promote marine locate & design request tickets for the lakes, streams, and rivers in Michigan to help prevent environmental damage, which is not only costly, but detrimental to the ecosystem.

QUESTION 2

Describe the specific pipeline safety concerns or risks the proposed project will address, including the affected geographic area and/or the risks pipelines pose to stakeholders or communities.

This project will help to prevent damages to pipelines that exist in a marine environment. A damage to these pipelines can have a drastic impact on the environment around them.

QUESTION 3

Describe how the proposed project will foster open communication with affected pipeline operators and establish partnerships with other key members of the community to ensure project success.

This new ticket type will promote more communication between facility owners and excavators to help prevent damage pipelines that exist within a body of water.

QUESTION 4

Describe how the proposed project is designed to improve performance and safety over time and align with the challenges and strategies in pipeline safety, such as engineering, damage prevention, land use planning, education and outreach, emergency response, and/or community awareness.

This project will help to make people aware of facilities that exist underwater so that proper care can be taken.

QUESTION 5

Describe the specific project plan including resources, milestones, and estimated project costs that align with proposed project goals and objectives.

We will need to assign a member from our education department part-time to help educate and promote new ticket. A module for the ticket would also have to be created. Using the same method as the RP-1162 module. We will need to print materials and advertising for the ticket, for advertising in marine excavation themed periodicals as well as printing costs for flyers, handouts and other promotional items.

QUESTION 6

Describe how proposed project results and deliverables will be measured, evaluated and disseminated to affected stakeholders.

The new ticket type will be available to anyone who utilizes the MISS DIG 811 system. The educational portion will be available to anyone as well. In person presentations can be made by the MISS DIG 811 education team. The results can be measured and evaluated by the feedback received from the presentations.

QUESTION 7

Describe how the proposed project provides the potential for learning or technology transfer to other groups and communities.

With the educational module, people will be taught about the proper way to avoid damages to pipelines that exist within bodies of water.



Best Practice Marking in Bodies of Water (Draft)

**Michigan Damage Prevention Board
Best Practice 2019-01**

Marking in Bodies of Water

MDPB Best Practice

Temporary markers such as buoys, poles, or PVC markers should be used by underwater facility owners to indicate the presence of an underwater facility in an area of excavation. During certain situations, these markers may be supplemented with mapping, GPS coordinates, and/or fixed high-bank marks. Communication between the excavator and the facility owner/operator is initiated through the MISS DIG System by the excavator placing a Marine “dig notice.”

Definitions

Mark, Marks, or Marking: The temporary identification on the surface grade of the location of a facility in response to a ticket. This includes paint, stakes, flags, or other customary methods using the uniform color code of the American National Standards Institute.

Dig Notice: A communication to the notification system by an excavator providing notice of intended excavation or blasting activity.

Ticket: A communication from the notification system to a facility owner or facility operator requesting the marking of underground facilities, based on information provided by an excavator in a dig notice.

Discussion

There are many excavating activities (e.g., open-cut trenching, dredging, bridge construction, pile driving, anchoring, directional boring, etc.) that can damage underwater facilities. The proper placement of visible temporary markings raises the awareness of the location of these facilities and reduces likelihood of damage. Temporary markers for facilities submerged in bodies of water should be placed within the areas of proposed excavations as close as practical over the facilities without impeding or creating additional hazards. The technology used to locate and mark the submerged facility is dependent upon the size of the facility, material of the facility, depth of water, material composition of the underwater floor, and the depth the facility is positioned within or on the floor of the body of water. Markers should include the following information: facility type, facility owner or operator name, contact number of the facility operator, and applicable warning language. Placement and removal of temporary markers for underwater facilities should follow local, state, and federal laws and regulations.

Initial and ongoing communications between the excavator, facility owner/operator, and persons marking the facilities is critical to ensure that facilities are not damaged. Communication between the stakeholders is initiated through the MISS DIG System by the excavator placing a Marine “dig notice.” It is critical for stakeholders to maintain communication as excavation progresses to ensure the safe and successful completion of the project.

References

Public Act 174:

- MCL 460.723 Definitions
- MCL 460.727 Marking facility location; positive response; additional assistance of facility owner or operator upon request by excavator; damage to facility; emergency response; construction of new facility.

CGA Best Practices:

- 4.20A Locating and Marking in Navigable Waterways, Permanent Markers for Underwater Facilities
- 4.20B Locating and Marking in Navigable Waterways, Temporary Markers for Underwater Facilities.

33 CFR § 62.31

49 CFR § 195.442(c)(5)

49 CFR § 192.614(c)(5)

Ticket Entry Changes

Marine requests will only be an option available for Administrators, NSRs, and WEBF users in ticket entry. NSRs will ask a caller if they want a Marine Ticket option placed if the drawn polygon intersects or crosses any waterway on our maps. Marine Tickets are a new ticket category, MRNE, and will need the following verbiage inserted to the beginning of the Locate Info field.

THIS IS A LOCATE TICKET. THE CALLER ALSO REQUESTED A MARINE JOINT MEET AT (NE COR OF MAIN STREET & 123 DR) THE HEADER ON THIS TICKET IS FOR YOUR CONVENIENCE ONLY TO LET YOU KNOW THAT A MARINE JOINT MEET WAS REQUESTED. IT DOES NOT ALTER THE FACT THAT THIS IS A LOCATE TICKET PLS MEET CONTR AT (NE COR OF MAIN STREET & 123 DR) LOCATE (SCOPE OF PROJECT INCL) CALL IF UNABLE TO MEET

Any part of locate info that is in parenthesis will need to be changed by person placing the ticket. The expanded word acronym will be MRNE which can be expanded in Ticket Entry to insert the above locate info verbiage. A Marine Request is initiated by selecting yes in Ticket Entry to the question “Marine Req?” under the Additional Information section of Ticket Entry.

Marine Safety and Locating

CAMO- Coastal and Marine Operators Pipeline Industry Initiative, <http://www.camogroup.org>

- IN STATE WATERS: Call 811 before you... Dig, Spud, Anchor, Dredge, Wheel Wash or Jack-up etc.
- [CAMO Marine Pipeline Safety Video](#)

SafeGulf- We are a volunteer organization, comprised of operating companies, industry associations, and educators with the purpose of having a standardized orientation which sets minimum requirements for the US Offshore E&P Industry. <https://safegulfweb.com>

- [Resources](#) & [Training](#)

GulfSafe- GulfSafe's goal is simple – to eliminate preventable damages to subsurface infrastructure in the Gulf of Mexico and Straits of Florida. <https://www.texas811.org/gulfsafe>

- Additional Links
 - [Coastal and Marine Operators](#)
 - [Offshore Technology Conference](#)
 - [Subsea Tieback Forum](#)
 - [The International Workboat Show](#)
 - [Clean Gulf Conference and Exhibition](#)
 - [Common Ground Alliance](#)
 - [U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration](#)
 - [National Hurricane Center](#)

Clean Harbors - Clean Harbors Line Locating Services provide the pre-planning, project management, locating, GPS surveying and GIS mapping of your underground utility and buried facility lines in advance of your ground disturbance activities. <https://www.cleanharbors.com>

- [Line Locating Services](#)