



BRIDGE ADVISORY
Construction & Technology Division
Bridge Operations Section

BRIDGE ADVISORY NUMBER: BA-2007-05

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Note: This Bridge Advisory was originally issued as **BITA-7**. It is being re-issued as a Bridge Advisory for cataloging purposes.

SUBJECT: Bridge Inspection Contract Template & Mapping Functionality

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CONTRACT TEMPLATE:

Many local agencies use consultants to do bridge inspection. It is technical work requiring special expertise and training that is often not on staff in the agency. The National Bridge Inspection Standards (NBIS) has specific requirements for the inspection procedures and load rating. In an effort to provide guidance to insure that all the requirements of the program are fulfilled, and to promote uniformity and consistency, a contract template scope of services has been developed.

The contract template can be downloaded from the MDOT Bridge Operations Website at the following link:

<http://www.michigan.gov/mdot/>

Then select, *doing business* (from the left side menu), then select *Bridge Operations* (from service centers), then select *National Bridge Inspection (NBI)*, under Documents, select *Local Agency Bridge Inspection Contract Template*

The contract scope of services is a template that will need to be adapted for agencies with varying size networks and complexity of structures. The document has been highlighted where this is necessary. Once the changes have been made, it is likely that only the bridge list will need to be changed from contract to contract. In addition, standard contract language specific to the agency will need to be appended to the document.

MAPPING BRIDGE LOCATIONS:

Michigan Bridge Reporting System (MBRS) provides easily exportable data for plotting bridge locations and customizable data on commercially available mapping software. Using a spreadsheet such as Excel, simply import the latitude and longitude, along with the desired data for each structure, into a mapping software application such as MS Streets & Trips. The software will plot the location and the desired data for each structure. Location markers can be color coded to indicate things like condition state and clicking on the marker will bring up the additional data.

This can be very helpful in managing your network and can be printed as part of the contract package to help consultants with locating the structures for inspection. This should help keep costs down.

MBRS can be accessed from MDOT's Bridge Operations Website at the following link:

<http://www.michigan.gov/mdot/>

Then select, *doing business* (from the left side menu), then select *Bridge Operations* (from service centers), then select *Bridge Management*, then the MBRS Icon. You will be asked for your user ID and password.

Should you have any questions about the above, please feel free to call.