**MoDOT/MTI Structures Research Program**

**Progress Report – 3/31/2020**

**Title: Developing Implementation Strategies for Risk Based Inspection**

**Project Number: TR201910**

**Principal Investigator (PI): Glenn Washer**

**Co-PI(s): Henry Brown**

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| **Award date:** | 11/01/2018 | | |
| **Scheduled completion date:** | 12/31/2021 | **% of project completed to date:** | 55.0% |
| **Total budget:** | $400,000.00 | **% of budget expended to date:** | 55.6% |
| **Draft report due:** | 09/30/2021 | **Final report due:** | 11/30/2021 | |

Provide a short description of the **work currently underway**.

*Use* [*additional notes section*](#notes) *if you need to provide more information.*

Back-casting results for Idaho, Illinois, Missouri, Washington, and Wisconsin are being processed. The interim report is being prepared.

Provide a short description of the **noteworthy activities/accomplishments** during this reporting period.

*Use* [*additional notes section*](#notes) *if you need to provide more information.*

The analysis of NBI data was completed for all of the participating states. The process of linking damage mode attributes to bridge inspection manuals was completed for Illinois, Missouri, Washington, Wisconsin, and Pennsylvania. Data regarding Consequence Factors were compiled for Idaho, Illinois, Missouri, Washington, and Wisconsin.

Identify **issues or problems** that need to be addressed.

*Use* [*additional notes section*](#notes) *if you need to provide more information.*

The project is currently running behind schedule in terms of beginning and progressing through the back-casting task. See additional notes.

Provides dates for when the **next progress report or presentation** due:

* May 31, 2020 (Mid-project presentation)
* June 30, 2020 (Quarterly report)

**Additional notes**:

A contract amendment needs to be processed since the total commitment amount is $725,000 while the original budget was $400,000. This is due to the participation of additional states in the study.

The project is currently running behind schedule in terms of beginning and progressing through the back-casting task. This is due to the time required for reduction and documentation of the Reliability Assessment Panel results, which has taken longer to document and prepare than expected. Recent events that have relocated staff and students have also contributed, but to a smaller extent relative to the process simply taking longer than expected. Additional state participation relative to the initial number of states has also contributed by increasing the level of effort required for the documentation.