**MoDOT/MTI Structures Research Program**

**Progress Report – 12/31/2020**

**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:** | 67.0% |
| **Total budget:** | $400,000.00 | **% of budget expended to date:** | 79.7% |
| **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.*

The data analysis for back-casting and preparation of the first interim report are in progress. Data for back-casting are being collected for six states (Idaho, Illinois, Missouri, Pennsylvania, Washington, and Wisconsin).

Compilation of fracture critical (non-redundant) attributes into the RBI format is in progress.

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.*

Preliminary data for back-casting for deck, superstructure, and substructure were compiled for Idaho.

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)
* March 31, 2021 (Quarterly report)

**Additional notes**:

A contract amendment needs to be processed since the total commitment amount is $750,000 while the original budget was $400,000. This is due to the participation of additional states in the study. Connecticut has recently expressed interest in joining the study but has not yet made a funding commitment.

The project is currently running behind schedule in terms of beginning and progressing through the back-casting task. The interim report has fallen behind schedule due to unavailability of the PI due to COVID 19 events and the surrounding realignment of academic activities, which have carried over and are still in the process of being “caught up” over a spectrum of activities. Additional time above that anticipated for processing RAP data has also contributed to the delay. The interim report is currently being completed and will be submitted early in the first quarter of 2021.