**MoDOT/MTI Structures Research Program**

**Progress Report – 12/31/2019**

**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:** | 45.0% |
| **Total budget:**  | $400,000.00 | **% of budget expended to date:**  | 47.8% |
| **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 flow charts that were developed based on the data from the Wisconsin and Pennsylvania RAP meetings were used to develop the Occurrence Factor (OF) spreadsheet for bridge components. The OF will be combined with Consequence Factor (CF) in the spreadsheet to determine the inspection interval for a given bridge or family of bridges. The process of tracing the condition rating (CR) and condition state (CS) of defects collected during the RAP meeting to every state inspection manual is in progress to provide a base for the RAP meeting data. The preparation of the interim report of the project 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.*

The flowcharts of the data collected during the RAP meetings with the participating states are completed. The Occurrence Factor (OF) spreadsheets for Wisconsin and Pennsylvania are prepared.

Alabama has joined the study. The following introductory materials were sent to Alabama: minutes and recording from the project kickoff meeting, slides and recording from the RAP meeting webinar, and survey.

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

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

None

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

March 31, 2020 (Quarterly report)

**Additional notes**: