**MoDOT Research Program**

**Progress Report – 6/30/2019**

**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:** | 17.0% |
| **Total budget:** | $400,000.00 | **% of budget expended to date:** | 19.2% |
| **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.*

Future Reliability Assessment Panel (RAP) meetings have been scheduled with five participating states as shown in Table 1 below.

**Table 1. RAP Meeting Schedule**

|  |  |  |
| --- | --- | --- |
| **State** | **Dates** | **Bridge Family** |
| Idaho | July 24-25, 2019 | Pre-stressed concrete |
| Illinois | August 1-2, 2019 | Steel |
| Missouri | July 10-11, 2019 | Steel |
| Pennsylvania | July 8-9, 2019 | Steel |
| Washington | August 6-7, 2019 | Pre-stressed concrete |

Analysis of data from the Wisconsin RAP meeting held on June 10 and 11, 2019 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.*

A webinar to provide an overview of the Risk Based Inspection (RBI) and the procedures for the RAP meetings was conducted with the participating states on June 4, 2019. The webinar was recorded for the RAP meeting participants who were not able to attend the live version of the webinar.

RAP meetings were scheduled with six of the participating states.

The first RAP meeting was held with the Wisconsin Department of Transportation (WisDOT) on June 10 and 11, 2019. There were six WisDOT attendees and two University of Missouri attendees at the meeting. The RAP meeting included discussion of attributes, consequences, and scenarios for steel bridges to provide input for the risk analysis that will be undertaken to determine the inspection interval for routine inspection.

The analyses to calculate the statistics for time in condition rating (TICR) for Idaho, Illinois, Missouri, New York, Pennsylvania, Washington, and Wisconsin bridges were completed.

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:

September 30, 2019 (Quarterly report)

**Additional notes**: