**Developing Implementation Strategies for Risk Based Inspection**

**Progress Report – 4/5/2024**

**Project Number:** TR201910

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

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

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| **Award date:** | **11/1/2018** |
| **Scheduled completion date:** | **3/31/2024** | **% of project completed to date:** | **98** |
| **Total budget:** | 850,000 | **% of budget expended to date:** | **88** |
| **Draft report due:** | **8/31/2023** | **Final report due:** | **10/31/2023** |

*Dates should match those listed in the contract. If unsure, contact your MoDOT project manager.*

**Noteworthy items achieved this quarter.** *Provide a 4-5 sentence summary of work completed this quarter. Include meetings, work plan status, significant progress, etc. Additional details can be included in “Additional project information” below.*

This quarter focused on reporting for the project with a technical interim report on back-casting submitted that presented data analysis and introduced a data -driven process for analyzing and verifying risk models. The final report that summurized previous activities, back-casting results, data analysis approach, and other results for the research was completed and submitted.

**Anticipated work for next quarter.** *Provide a 4-5 sentence summary of work planned for next quarter.*

The project time has elapsed.

**Identify any circumstances or issues that may need to be addressed.** *Provide a summary of issues that are important for the TAC to know. For example, staffing difficulties or supply chain delays.*

**Deadline for next deliverable.** *For example, quarterly report, draft report, presentation, etc.*

None **3/31/2024**

**Additional project information that MoDOT and technical committee should know.** The RT is committed to completing review and comments from the submitted reports, and anything else needed to bring the effort to a successful completion. All reports were delayed due to challenges the RT had in developing a suitable data analysis strategy that could be verified meaningfully, and other issues with staffing, pandemic, and resolving data issues. Ultimately, and methodology that we believe is very effective and implementable was developed and verified but contract time had been nearly consumed, with the balance being consumed documenting that outcome. A more easily digestible summary would be beneficial for users and implementation of the technology, which the RT will produce regardless of any other factors.