Research Project Quarterly Progress Report

Date: 7/31/2017 **Project Number:** TPF-5(193) Suppl #115

Project Title: Minnesota DOT Evaluation of MnDOT's Noise Wall System Under MASH TL-3

Principal Investigator: Ronald K. Faller

Principal Contact Information Email: rfaller1@unl.edu **Phone:** (402) 472-6864

Project Start Date: 4/6/2017 **Project Completion Date:** 3/31/2018

Report Period: **Due Date:**

- ☐ Quarter 1 (July 1 – September 30) ---------- October 31
- ☐ Quarter 2 (October 1 – December 31)---------- January 31
- ☐ Quarter 3 (January 1 – March 31) ---------- April 30
- ☒ Quarter 4 (April 1 – June 30)---------- July 31

Project Schedule Status:

- ☒ **On Schedule**
- ☐ **On Approved Revised Schedule**
- ☐ **Ahead of Schedule**
- ☐ **Behind Schedule**

Progress:

Task	Total Budget	% work Completed This Quarter	Expenses This Quarter	Total % of Task Completed	Remaining Budget
1. Project Planning and Correspondence	$14,635.00	30%	$3,200.00	30%	$11,435.00
2. Phase I Full-Scale Testing	$185,692.00	0	$0.00	0	$185,692.00
3. Phase II Full-Scale Testing	$79,788.00	0	$0.00	0	$79,788.00
4. Reporting and FHWA letter	$25,000.00	5%	$500.00	5%	$24,500.00
5.					
6.					
7.					
8.					
9.					

Progress and Accomplishments this Quarter:

(Provide an informative summary of tasks/activities that occurred this quarter includes meetings, work plan status, significant progress, etc.)

The project began in April 2017. The rail was resized per new MASH TL-3 loading conditions and is pending sponsor approval. The draft test plan drawings for the first full-scale crash test are completed, pending receiving comments from the sponsor regarding the rail re-sizing and anchor inserts. A meeting was held with the sponsor on July 5 to clarify some design details. Several internal meetings have been held with the research team members. Writing commenced on the draft report.

Circumstances Affecting Project, Scope, or Budget:

(Please describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope and fiscal constraints, along with recommended solution to those problems.)

The projected timeline included in the proposal including the project starting in January 2017 and extending through March 2018 (5 quarters total). The contract was not approved until April 6, 2017. Thus, the project started over a quarter behind. However, the research team will strive to get the project status closer to the original projected timeline.

Anticipated Work Next Quarter:

Pending sponsor comments, the test plan drawings will be finalized. Materials will be ordered for 3 full-scale crash tests, and construction will begin on the systems. Writing will continue on the report

Total Percentage of Project Completion:

3%