Midwest States Pooled Fund Program
Quarterly Progress Report – Second Quarter 2017
April 1, 2017 to June 30, 2017

DRAFT REPORTS – POOL FUND

Meyer, D.T., Lechtenberg, K.A., Faller, R.K., Bielenberg, R.W., Rosenbaugh, S.K., and Reid, J.D., *MASH Test No. 3-10 of a Non-Proprietary, High-Tension Cable Median Barrier for Use in a 6H:1V V-ditch (Test No. MWP-8)*, Draft Report to the Midwest States Pooled Fund Program, MwRSF Research Report No. TRP-03-331-17, Project No. TPF-5(193) Supplement Nos. 64 and 79, Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, April 6, 2017.

Rosenbaugh, S.K., Hartwell, J.A., Bielenberg, R.W., Faller, R.K., Holloway, J.C., and Lechtenberg, K.A., *Evaluation of Floorpan Tearing and Cable Splices for Cable Barrier Systems*, Draft Report to the Midwest States Pooled Fund Program, MwRSF Research Report No. TRP-03-324-17, Project No. TPF-5(193) Supplement Nos. 64 and 79, Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, April 6, 2017.

FINAL REPORTS – POOL FUND

Rosenbaugh, S.K., Hartwell, J.A., Bielenberg, R.W., Faller, R.K., Holloway, J.C., and Lechtenberg, K.A., *Evaluation of Floorpan Tearing and Cable Splices for Cable Barrier Systems*, Final Report to the Midwest States Pooled Fund Program, MwRSF Research Report No. TRP-03-324-17, Project No. TPF-5(193) Supplement Nos. 64 and 79, Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, May 16, 2017.

Meyer, D.T., Lechtenberg, K.A., Faller, R.K., Bielenberg, R.W., Rosenbaugh, S.K., and Reid, J.D., *MASH Test No. 3-10 of a Non-Proprietary, High-Tension Cable Median Barrier for Use in a 6H:1V V-ditch (Test No. MWP-8)*, Final Report to the Midwest States Pooled Fund Program, MwRSF Research Report No. TRP-03-331-17, Project No. TPF-5(193) Supplement Nos. 64 and 79, Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, May 10, 2017.

Meyer, D.T., Reid, J.D., Lechtenberg, K.A., Bielenberg, R.W., and Faller, R.K., *Increased Span Length for the MGS Long-Span Guardrail System Part II: Full-Scale Crash Testing*, Final Report to the Midwest States Pooled Fund Program, MwRSF Research Report No. TRP-03-339-16, Project No. TPF-5(193) Supplement No. 56, Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, April 7, 2017.

Reid, J.D., Bielenberg, R.W., and Ginger, C., *LS-DYNA® Modeling Enhancement Support*, Final Report to the Midwest States Pooled Fund Program, MwRSF Research Report No. TRP-03-357-16, Project No. TPF-5(193) Supplement No. 99, Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, April 6, 2017.

DRAFT REPORTS – PROJECT RUN THROUGH POOL FUND, FUNDED BY INDIVIDUAL STATE

Pajouh, M.A., Bielenberg, R.W., Schmidt, J.D., Lingenfelter, J.L., Faller, R.K., and Reid, J.D., *Placement of Breakaway Light Poles Located Directly Behind Barrier*, Draft Report to the Illinois Tollway, MwRSF Research Report No. TRP-03-361-17, Project No. TPF-5(193) Supplement No. 87, Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, April 6+, 2017.

Bielenberg, R.W., Lingenfelter, J.L., Kohtz, J.E., Faller, R.K., and Reid, J.D., *Testing and Evaluation of MASH TL-3 Transition Between Guardrail and Portable Concrete Barriers*, Draft Report to the Nebraska Department of Roads and Smart Work Zone Deployment Initiative, MwRSF Research Report No. TRP-03-335-16, Project Nos. TPF-5(193) Supplement No. 76 and TPF-295 Contract #16347, Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, November 18, 2016.

Bielenberg, R.W., Meyer, D.T., Faller, R.K., and Reid, J.D., *Length of Need and Minimum System Length for F-Shape Portable Concrete Barrier*, Draft Report to the Nebraska Department of Roads and Smart Work Zone Deployment Initiative, MwRSF Research Report No. TRP-03-335-16, Project Nos. TPF-5(193) Supplement No. 75, TPF-295 Contract #16346, and FHWA Pooled Fund Study TPF-5(081), Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, February 2, 2017.

FINAL REPORTS – PROJECT RUN THROUGH POOL FUND, FUNDED BY INDIVIDUAL STATE

Pajouh, M.A., Bielenberg, R.W., Schmidt, J.D., Lingenfelter, J.L., Faller, R.K., and Reid, J.D., *Placement of Breakaway Light Poles Located Directly Behind Barrier*, Final Report to the Illinois Tollway, MwRSF Research Report No. TRP-03-361-17, Project No. TPF-5(193) Supplement No. 87, Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, June 29, 2017.

Bielenberg, R.W., Lingenfelter, J.L., Kohtz, J.E., Faller, R.K., and Reid, J.D., *Testing and Evaluation of MASH TL-3 Transition Between Guardrail and Portable Concrete Barriers*, Final Report to the Nebraska Department of Roads and Smart Work Zone Deployment Initiative, MwRSF Research Report No. TRP-03-335-17, Project Nos. TPF-5(193) Supplement No. 76 and TPF-295 Contract #16347, Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, May 2, 2017.

Bielenberg, R.W., Meyer, D.T., Faller, R.K., and Reid, J.D., *Length of Need and Minimum System Length for F-Shape Portable Concrete Barrier*, Final Report to the Nebraska Department of Roads and Smart Work Zone Deployment Initiative, MwRSF Research Report No. TRP-03-335-17, Project Nos. TPF-5(193) Supplement No. 75, TPF-295 Contract #16346, and FHWA Pooled Fund Study TPF-5(081), Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, May 3, 2017.

DRAFT REPORTS – FHWA PROJECT

Rosenbaugh, S.K., Schmidt, J.D., Faller, R.K., and Holloway, J.C., *Evaluation of Adjustable Continuity Joint Variations for Use in the RESTORE Barrier*, Draft Report to the Nebraska Department of Roads and Federal Highway Administration, Nebraska Division, MwRSF Research Report No. TRP-03-363-17, Project No. DPU-STWD(94), Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, May 12, 2017.

FINAL REPORTS – FHWA PROJECT

Rosenbaugh, S.K., Schmidt, J.D., Faller, R.K., and Holloway, J.C., *Evaluation of Adjustable Continuity Joint Variations for Use in the RESTORE Barrier*, Final Report to the Nebraska Department of Roads and Federal Highway Administration, Nebraska Division, MwRSF Research Report No. TRP-03-363-17, Project No. DPU-STWD(94), Midwest Roadside Safety Facility, University of Nebraska-Lincoln, Lincoln, Nebraska, June 22, 2017.