Pooled Fund Post

The Newsletter of the Roadside Safety Pooled Fund Program

http://www.roadsidepooledfund.org







TPF - 5(343)

Texas A&M Transportation Institute

The Roadside Safety Pooled Fund



Objective: Roadside Safety Pooled Fund

The objective of the Roadside Safety Pooled Fund (RSPF) Program is to provide a cooperative approach to conducting research on roadside safety hardware. For the next few years, emphasis is being specifically placed on assisting State DOTs with their MASH implementation needs, but other roadside safety needs of common interest can be addressed.

The RSPF group has been actively reaching out to all the DOT members to capture which types of devices are wanted /needed to be used under MASH criteria.

The group is working towards developing monthly webinars among the pooled fund DOT members in support of the preparation for the upcoming pooled fund fall meeting (system identification, system prioritization, etc.)



This pooled fund research program is an information ex-

change. The Activities program provides each partic-

ipating state an opportunity

to send a representative to an annual meeting to collaborate with other state DOT safety engineers to assess best practices, new regulatory issues, risk management strategies, and other matters pertaining to roadside

Completed safety.

31" W-beam guardrail on a 1:1 slope

MASH TL-3

MASH TL-3

There are a variety of on-going projects involving

MASH testing that are currently scheduled to be com-

pleted within the next few months:

31" W-beam guardrail with steel and wood posts in concrete mow strip

MASH TL-3

W-beam guardrail

with raised composite blockouts

MASH TL-4

42" Concrete barrier foundation study

MASH TL-3

Buried-in-backslope terminal compatible with an MGS system.

The RSPF program has supported various research / testing projects for the development and evaluation of roadside safety devices. Here are some of the completed MASH testing projects and their resulting developed systems ready for implementation.

MASH TL-3 31" w-beam guardrail system on 2H:1V slope with face of Wbeam aligned with slope break point.

MASH TL-3 31" w-beam guardrail on low-fill box culvert.

MASH TL-2 31" w-beam guardrail with 12.5 ft post spacing.

MASH TL-3 single slope concrete barrier for use in front of slope or on MSE wall.



Roadside Safety



TPF - 5(343)



				l	MASH Database				
						Longitudinal Barriers			
MASI	l Database	pdate	USDOT Home	Category		Total Entries	Failed Tests	Eligibility Letters	
Roadside Safety Pooled Fund				Bridge Rails		33	3	8	
Implementation Dates	Hardware Tested	s for reference only. It	is the responsibility.	Cast In Place E	Barriers	11	2	2	
Research Needs List	the selected system meets current Federal e To filter available hardware devices, selec proprietary/non-proprietary. If there are Results are displayed below and can be s	t the type of device, tr options available for elected for more infor	est level, eligibility l the device selected rmation.	Guardrails	35	2	20		
FHWA MASH Implementation Agreement Q&A	Device Types All Test Level			ers	16	1	7		
	FHWA Eligibility Letter All Proprietary/Non- proprietary:			Portable Barri	ers	21	0	17	
Ca	tegory ailboxes	Breaka Total Entries	away De Failed Tests	Eligibility Tests	As a reminder, i been evaluated would like to ac	1 5 f you have a system that has in accordance to MASH and d it to our MASH database,			
Sig	n Supports	15	1	3	Chiara Silvestri Dobrovolny Tel 979-845-8971 Fax 979-845-6107 Email: <u>c-silvestri@tti.tamu.edu</u>				
> MASH Info	Link: <u>https://www.roa</u>	dsidepoole	dfund.org vw.roadsid	/mash-implem	entation/ org/mash-implem	entation/c	lates/		







Participating Partners

ALASKA DOT CALIFORNIA DOT CONNECTICUT DOT FLORIDA DOT IDAHO DOT ILLINOIS DOT

LOUISIANA DOT and Development MASSACHUSETTS DOT MICHIGAN DOT MINNESOTA DOT OREGON DOT PENNSYLVANIA DOT TENNESSEE DOT

TEXAS DOT WASHINGTON STATE DOT WISCONSIN DOT WEST VIRGINIA DOT FEDERAL HIGHWAY ADMINISTRATION TEXAS A&M TRANSPORTATION INSTITUTE

Upcoming Roadside Safety Pooled Fund Meeting Fall 2017!

The RSPF group will be meeting in conjunction with the Task Force 13 group from November 13-15 in beautiful College Station, Texas. Whoop!





TTI Proving Grounds Research Facility



Crash Testing







Finite Element Analysis Simulation

The Proving Grounds Research Facility, a 2,000 acre complex, enables researchers to conduct experiments and testing with the ultimate goal of improving transportation safety. This site has large expanses of concrete runways and parking aprons well suited for experimental research and testing in the areas of vehicle performance and handling, vehicle-roadway interaction, durability and efficacy of highway pavements, evaluation of roadside safety hardware, and connected and automated vehicles.

ISO TTI Proving Ground is an International Standards Organization (ISO) 17025 accredited laboratory with American Association for Laboratory Accreditation (A2LA) Mechanical Testing Certificate 2821.01.

Contact Information

D. Lance Bullard, Jr., P.E. Senior Research Engineer Division Head Roadside Safety and Physical Security Division Texas A&M Transportation Institute

Texas A&M University System 3135 TAMU College Station, TX 77843 Phone: 979.845.6153 Fax: 979.845.6107 I-bullard@tamu.edu Roger P. Bligh, Ph.D., P.E. Senior Research Engineer Roadside Safety and Physical Security Division Texas A&M Transportation Institute

Texas A&M University System 3135 TAMU College Station, TX 77843 Phone: 979.845.4377 Fax: 979.845.6107 rbligh@tamu.edu Rhonda Brooks Director of Research Office Washington State Department of Transportation (WsDOT)

P.O. Box 47372 Olympia, WA 98504-7372 Phone: 360.705.7945 BrookRh@wsdot.wa.gov Jeff K. Petterson, P.E. Roadside Safety Engineer Development Division

Development Division Washington State Department of Transportation

P.O. Box 47329 Olympia, WA 98504-7246 Phone: 360.705.7246 PetterJ@wsdot.wa.gov







