

Illinois Department of Transportation
Bureau of Materials
(Maintained by Bureau of Safety Programs and Engineering)
QUALIFIED PRODUCT LIST OF IMPACT ATTENUATORS

Effective **September 29, 2023**

This list supersedes the **October 21, 2022** list.

Standard Specification for Road and Bridge Construction Section 643 (Adopted January 1, 2022)

IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW)

MANUFACTURER	NCHRP 350		MASH	
	PRODUCT NAME	TEST LEVEL	PRODUCT NAME	TEST LEVEL
Lindsay Transportation Solutions (Barrier Systems, Inc.) 180 River Rd Rio Vista, CA 94571 Phone (888) 800 - 3691	UNIVERSAL TAU-II ®	2 & 3	TAU-M	3
	UNIVERSAL TAU-II-R ®	2 & 3		
Valtir, LLC (Formerly Trinity Highway Products, LLC) 15601 Dallas Parkway, Suite 525 Addison, TX 75001 Phone: (888) 323-6374	QUADGUARD ®	2 & 3	QUADGUARD M10	3
	QUADGUARD® II	2 & 3	QuadGuard Elite M10	3
	QUADGUARD® ELITE	2 & 3		
	QUEST®	2 & 3	REACT™ M	3
	REACT 350®	2* & 3*		
	HEART	2 & 3		
TRACC	2 & 3			
Traffix Devices, Inc. 160 Avenida La Pata San Clemente, CA 92673 Phone (949) 361 - 5663	COMPRESSOR®	2 & 3	Delta™ Crash Cushion	3
Hill and Smith (Work Area Protection Corp.) 2760 Airport Dr Suite 125 Columbus, OH 43207	SCI 100GM®	3	SCI 100GM®	3
	SCI 70GM®	2		

**TL 3 is nine (9) cylinders only and TL 2 is four (4) cylinders only*

Note: For Impact Attenuator Fully Redirective Narrow: NCHRP 350 products are allowed on lettings prior to January 1, 2019. MASH products are required for any lettings on or after January 1, 2019.

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IMPACT ATTENUATOR (FULLY REDIRECTIVE, WIDE)

MANUFACTURER	NCHRP 350		MASH	
	PRODUCT NAME	TEST LEVEL	PRODUCT NAME	TEST LEVEL
Lindsay Transportation Solutions (Barrier Systems, Inc.) 180 River Rd Rio Vista, CA 94571 Phone (888) 800 - 3691	UNIVERSAL TAU-II ®	2 & 3		
	UNIVERSAL TAU-II-R ®	2 & 3		
Valtir, LLC (Formerly Trinity Highway Products, LLC) 15601 Dallas Parkway, Suite 525 Addison, TX 75001 Phone: (888) 323-6374	QUADGUARD® WIDE	2 & 3	QuadGuard Elite M10 Wide	3
	QUADGUARD® II WIDE	2 & 3		
	QUADGUARD® ELITE WIDE	2 & 3		
	REACT 350®	2* & 3*		
	TRACC	2 & 3		
Hill and Smith (Work Area Protection Corp.) 2760 Airport Dr Suite 125 Columbus, OH 43207	SCI 100GM®	3		
	SCI 70GM®	2		

**TL 3 is nine (9) cylinders only and TL 2 is four (4) cylinders only*

Note: For Impact Attenuator Fully Redirective Wide the NCHRP 350 tested devices listed above will continue to be accepted for future lettings until such time as MASH 16 devices are available.

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IMPACT ATTENUATOR (FULLY REDIRECTIVE, RESETTABLE)

MANUFACTURER	NCHRP 350		MASH	
	PRODUCT NAME	TEST LEVEL	PRODUCT NAME	TEST LEVEL
Lindsay Transportation Solutions (Barrier Systems, Inc.) 180 River Rd Rio Vista, CA 94571 Phone (888) 800 - 3691	UNIVERSAL TAU-II ®	2 & 3	TAU-M	3
	UNIVERSAL TAU-II-R ®	2 & 3		
Valtir, LLC (Formerly Trinity Highway Products, LLC) 15601 Dallas Parkway, Suite 525 Addison, TX 75001 Phone: (888) 323-6374	REACT 350®	2* & 3*	QuadGuard Elite M10	3
	HEART	2 & 3	REACT™ M	3
Traffix Devices, Inc. 160 Avenida La Pata San Clemente, CA 92673 Phone (949) 361 - 5663	COMPRESSOR®	2 & 3		
Hill and Smith (Work Area Protection Corp.) 2760 Airport Dr. Suite 125 Columbus, OH 43207	SCI 100GM®	3	SCI 100GM®	3
	SCI 70GM®	2		

**TL 3 is nine (9) cylinders only and TL 2 is four (4) cylinders only*

Note: For Impact Attenuator Fully Redirective Resettable: NCHRP 350 products are allowed on lettings prior to January 1, 2019. MASH products are required for any lettings on or after January 1, 2019.

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IMPACT ATTENUATOR (SEVERE USE, NARROW)

MANUFACTURER	NCHRP 350		MASH	
	PRODUCT NAME	TEST LEVEL	PRODUCT NAME	TEST LEVEL
Lindsay Transportation Solutions (Barrier Systems, Inc.) 180 River Rd Rio Vista, CA 94571 Phone (888) 800 - 3691	UNIVERSAL TAU-II-R®	2 & 3		
Valtir, LLC (Formerly Trinity Highway Products, LLC) 15601 Dallas Parkway, Suite 525 Addison, TX 75001 Phone: (888) 323-6374	REACT 350®	2* & 3*	QuadGuard Elite M10	3
	QUADGUARD® ELITE	2 & 3	REACT™ M	3
Traffix Devices, Inc. 160 Avenida La Pata San Clemente, CA 92673 Phone (949) 361 - 5663	COMPRESSOR®	2 & 3		
Hill and Smith (Work Area Protection Corp.) 2760 Airport Dr Suite 125 Columbus, OH 43207	SCI 100GM®	3	SCI 100GM®	3
	SCI 70GM®	2		

**TL 3 is nine (9) cylinders only and TL 2 is four (4) cylinders only*

Note: For Impact Attenuator Severe Use Narrow: NCHRP 350 products are allowed on lettings prior to January 1, 2019. MASH products are required for any lettings on or after January 1, 2019.

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IMPACT ATTENUATOR (SEVERE USE, WIDE)

MANUFACTURER	NCHRP 350		MASH	
	PRODUCT NAME	TEST LEVEL	PRODUCT NAME	TEST LEVEL
Lindsay Transportation Solutions (Barrier Systems, Inc.) 180 River Rd Rio Vista, CA 94571 Phone (888) 800 - 3691	UNIVERSAL TAU-II-R ®	2 & 3		
Valtir, LLC (Formerly Trinity Highway Products, LLC) 15601 Dallas Parkway, Suite 525 Addison, TX 75001 Phone: (888) 323-6374	REACT 350®	2* & 3*	QuadGuard Elite M10 Wide	3
	QUADGUARD® ELITE WIDE	2 & 3		

**TL 3 is nine (9) cylinders only and TL 2 is four (4) cylinders only*

IMPACT ATTENUATOR (PARTIALLY REDIRECTIVE)

MANUFACTURER	NCHRP 350		MASH	
	PRODUCT NAME	TEST LEVEL	PRODUCT NAME	TEST LEVEL
Valtir, LLC (Formerly Trinity Highway Products, LLC) 15601 Dallas Parkway, Suite 525 Addison, TX 75001 Phone: (888) 323-6374	CAT 350™	3		
Road Systems, Inc. 3616 Old Howard County Airport Big Spring, TX 79720 Phone: (915) 263 - 2493	FLEAT - MT	3		

Note: For Impact Attenuator Severe use wide and partially redirective the NCHRP 350 tested devices listed above will continue to be accepted for future lettings until such time as MASH 16 devices are available.

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IMPACT ATTENUATOR (NON-REDIRECTIVE)

MANUFACTURER	NCHRP 350		MASH	
	PRODUCT NAME	TEST LEVEL	PRODUCT NAME	TEST LEVEL
Valtir, LLC (Formerly Trinity Highway Products, LLC) 15601 Dallas Parkway, Suite 525 Addison, TX 75001 Phone: (888) 323-6374 Plastic Safety Systems, Inc 3616 Old Howard County Airport Big Spring, TX 79720 Phone: (915) 263 - 2493	ENERGITE® III	2 & 3		
	CRASHGARD SAND BARREL	3		
Traffix Devices, Inc. 160 Avenida La Pata San Clemente, CA 92673 Phone: (949) 361 - 5663	BIG SANDY® SAND BARRERLS	3		

Note: For Impact Attenuator Non-Redirective the NCHRP 350 tested devices listed above will continue to be accepted for future lettings until such time as MASH 16 devices are available.

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Submittal for Approval

A. Scope

The following guidelines are provided to clarify the submittal requirements for placement on the QPL

B. Procedure

When submitting a new product to the Department, the following shall be included in the submittal package:

- FHWA Eligibility letter (If available)
- Installation Manual
- Product drawings
- Product Specifications
- Crash Test videos and reports
- Product information sheet (If available)
- Other documentation pertinent to the review

The submittal information shall be sent to:

Illinois Department of Transportation
Bureau of Safety Programs and Engineering
2300 S Dirksen Parkway, Room 005/007
Springfield, IL 62764