

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

Effective **April 10, 2020**

This list supersedes the **November 27, 2019** list.

Standard Specification for Road and Bridge Construction Section 643 (Adopted April 1, 2016)

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 | | |
| Trinity Highway Products, LLC (Energy Absorption Systems, Inc.) 2525 N. Stemmons Freeway Dallas, Tx 75207 Phone: (800) 644 - 7976 or (801) 292 - 4461 | QUADGUARD ® | 2 & 3 | QUADGUARD M10 QUADGUARD M10 | 3 3 |
| | QUADGUARD® II | 2 & 3 | | |
| | QUADGUARD® ELITE | 2 & 3 | | |
| | QUEST® | 2 & 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 | | |
| 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) cylinder only and TL 2 is four (4) cylinder 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.

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

Effective **April 10, 2020**

This list supersedes the **November 27, 2019** list.

Standard Specification for Road and Bridge Construction Section 643 (Adopted April 1, 2016)

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 | | |
| Trinity Highway Products, LLC (Energy Absorption Systems, Inc.) 2525 N. Stemmons Freeway Dallas, Tx 75207 Phone: (800) 644 - 7976 or (801) 292 - 4461 | QUADGUARD ® WIDE | 2 & 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) cylinder only and TL 2 is four (4) cylinder 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.

Illinois Department of Transportation
Bureau of Materials
(Maintained by Bureau of Safety Programs and Engineering)
QUALIFIED PRODUCT LIST OF IMPACT ATTENUATORS
Effective **April 10, 2020**

This list supersedes the **November 27, 2019** list.

Standard Specification for Road and Bridge Construction Section 643 (Adopted April 1, 2016)

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 | | |
| Trinity Highway Products, LLC (Energy Absorption Systems, Inc.) 2525 N. Stemmons Freeway Dallas, Tx 75207 Phone: (800) 644 - 7976 or (801) 292 - 4461 | REACT 350® HEART | 2* & 3* 2 & 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) cylinder only and TL 2 is four (4) cylinder 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.

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

Effective **April 10, 2020**

This list supersedes the **November 27, 2019** list.

Standard Specification for Road and Bridge Construction Section 643 (Adopted April 1, 2016)

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 | | |
| Trinity Highway Products, LLC (Energy Absorption Systems, Inc.) 2525 N. Stemmons Freeway Dallas, Tx 75207 Phone: (800) 644 - 7976 or (801) 292 - 4461 | REACT 350® QUADGUARD® ELITE | 2* & 3* 2 & 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® SCI 70GM® | 3 2 | SCI 100GM® | 3 |

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

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

Illinois Department of Transportation
Bureau of Materials
(Maintained by Bureau of Safety Programs and Engineering)
QUALIFIED PRODUCT LIST OF IMPACT ATTENUATORS
Effective **April 10, 2020**

This list supersedes the **November 27, 2019** list.

Standard Specification for Road and Bridge Construction Section 643 (Adopted April 1, 2016)

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 | | |
| Trinity Highway Products, LLC (Energy Absorption Systems, Inc.) 2525 N. Stemmons Freeway Dallas, Tx 75207 Phone: (800) 644 - 7976 or (801) 292 - 4461 | REACT 350® QUADGUARD® ELITE WIDE | 2* & 3* 2 & 3 | | |

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

IMPACT ATTENUATOR (PARTIALLY REDIRECTIVE)

| MANUFACTURER | NCHRP 350 | | MASH | |
|---|--------------|------------|--------------|------------|
| | PRODUCT NAME | TEST LEVEL | PRODUCT NAME | TEST LEVEL |
| Trinity Highway Products, LLC (Energy Absorption Systems, Inc.) 2525 N. Stemmons Freeway Dallas, Tx 75207 Phone: (800) 644 - 7976 or (801) 292 - 4461 | 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.

Illinois Department of Transportation
 Bureau of Materials
 (Maintained by Bureau of Safety Programs and Engineering)
QUALIFIED PRODUCT LIST OF IMPACT ATTENUATORS
 Effective **April 10, 2020**

This list supersedes the **November 27, 2019** list.

Standard Specification for Road and Bridge Construction Section 643 (Adopted April 1, 2016)

IMPACT ATTENUATOR (NON-REDIRECTIVE)

| MANUFACTURER | NCHRP 350 | | MASH | |
|--|-----------------------------|------------|--------------|------------|
| | PRODUCT NAME | TEST LEVEL | PRODUCT NAME | TEST LEVEL |
| Trinity Highway Products, LLC (Energy Absorption Systems, Inc.) 2525 N. Stemmons Freeway Dallas, Tx 75207 Phone: (800) 644 - 7976 or (801) 292 - 4461 | ENERGITE® III | 2 & 3 | | |
| Plastic Safety Systems, Inc 3616 Old Howard County Airport Big Spring, TX 79720 Phone: (915) 263 - 2493 | 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.

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

Effective **April 10, 2020**

This list supersedes the **November 27, 2019** list.

Standard Specification for Road and Bridge Construction Section 643 (Adopted April 1, 2016)

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