

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
Qualified Products List Report



Parameters: **Product Category:** 45 - MASH Approved Safety Hardware
Approved Begin Date: 01/01/1990
Approved End Date: 01/01/2050
Display Expired Materials? No
Expired Begin Date: 01/01/1990
Expired End Date: 01/01/2050
Display Address Info For Sources: No

Product Category: 45 - MASH Approved Safety Hardware
Section: A-Longitudinal Barriers
Material: QPL.45.002 - Thrie Beam Guardrail

89901059 - Gregory Industries Inc

Trade Name

Guardian 5

Evaluation #

18015

MASH TL-5 Thrie beam

Product Category: 45 - MASH Approved Safety Hardware
Section: A-Longitudinal Barriers
Material: QPL.45.003 - Cable Barrier Systems

89900132 - Brifen USA

Trade Name

Brifen MASH O-Post and MASH MGT

Evaluation #

20093

MASH TL-3. Brifen Wire Rope Safety Fence, O-Post; Brifen End Terminal. For slopes 6:1 or flatter.

89900409 - Gibraltar

Trade Name

MASH 2016 TL4 Cable Barrier System

Evaluation #

21072

TL-4. Shall be installed with 7-foot post spacing.

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Product Category: 45 - MASH Approved Safety Hardware
Section: A-Longitudinal Barriers
Material: QPL.45.007 - Alt. Systems: Roller barriers

89901533 - ETI USA, Inc.

Trade Name
ETI-GR02-TL4

Evaluation #
18094

MASH TL-4. Approved by MASH Committee for use with Thrie Beam to ETI Roller Barrier Transition.

89901529 - KSI

Trade Name
KSI Global Safety Roller Barrier

Evaluation #
18095

MASH TL-4. Approved by MASH Committee for use with Safety Roller Barrier MASH TL-3 Transition to W-Beam.

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Product Category: 45 - MASH Approved Safety Hardware
Section: B-Guardrail End Terminals
Material: QPL.45.014 - Tangential

89900775 - Road Systems Inc

| <u>Trade Name</u> | <u>Evaluation #</u> |
|---|---------------------|
| MSKT (TL-2) MASH TL-2 (S-GRT-3) Type 21 Guardrail Terminal | 17033 |
| MSKT (TL-3) MASH TL-3 (S-GRT-2) Type 38 Guardrail Terminal | 16048 |

89901319 - SPIG Industry, LLC

| <u>Trade Name</u> | <u>Evaluation #</u> |
|---|---------------------|
| SPIG Guardrail End Treatment -- | -- |
| SPIG Guardrail End Treatment (SGET) MASH TL-3. | 19069 |

89900959 - Trinity Highway Products

| <u>Trade Name</u> | <u>Evaluation #</u> |
|---|---------------------|
| SoftStop (TL-2) MASH TL-2 (S-GRT-3) Type 21 Guardrail Terminal | 17029 |
| SoftStop (TL-3) MASH TL-3 (S-GRT-2) Type 38 Guardrail Terminal | 13058 |

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Product Category: 45 - MASH Approved Safety Hardware
Section: C-Crash Cushions
Material: QPL.45.017 - Reusable

89900950 - Traffix Devices Inc

Trade Name
Delta Crash Cushion

MASH TL-3.

Evaluation #
21032

89900959 - Trinity Highway Products

Trade Name
QuadGuard M Wide

MASH TL-3. Redirective, non-gating, reusable crash cushion.

Evaluation #
20144

QuadGuard M10

12009

MASH TL-3 Non-gating reusable system. Hazards narrower than 36". Concrete pad required.

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Product Category: 45 - MASH Approved Safety Hardware
Section: C-Crash Cushions
Material: QPL.45.018 - Low Maintenance

89900959 - Trinity Highway Products

| <u>Trade Name</u> | <u>Evaluation #</u> |
|--|---------------------|
| QuadGuard Elite M10 24-inch | 19082 |
| MASH TL-3. Redirective, non-gating. Can be used to shield fixed objects up to 24 inches wide. | |
| QuadGuard Elite M10 Wide | 20090 |
| MASH TL-3. Redirective, non-gating crash cushion used to shield fixed objects up to 69 in. wide. Has transitions to concrete barrier guardrail, etc. | |

89901033 - Work Area Protection Corp

| <u>Trade Name</u> | <u>Evaluation #</u> |
|--|---------------------|
| SCI-100 GM (Narrow) | 03151 |
| MASH TL-3 Non-gating, low maintenance system Hazards narrower than 36" Concrete pad required | |
| SCI-100 GM (Wide) | 03151 |
| MASH TL-3 Non-gating, low maintenance system Hazards wider than 36" Concrete pad required | |

Product Category: 45 - MASH Approved Safety Hardware
Section: C-Crash Cushions
Material: QPL.45.019 - Self-Restoring

89900959 - Trinity Highway Products

| <u>Trade Name</u> | <u>Evaluation #</u> |
|---|---------------------|
| REACT M | 21004 |
| MASH TL-3. Redirective, non-gating, self-restoring crash cushion. | |

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Product Category: 45 - MASH Approved Safety Hardware
Section: D-Category I Work Zone Devices
Material: QPL.45.009 - Pedestrian Channelizers (< 100lbs.)

89900950 - Traffix Devices Inc

| <u>Trade Name</u> | <u>Evaluation #</u> |
|----------------------------------|---------------------|
| ADA Urbanite Longitudinal Device | 18028 |
| MASH TL-3. | |

Product Category: 45 - MASH Approved Safety Hardware
Section: E-Category II Work Zone Devices
Material: QPL.45.025 - Long. Channelizers for Traffic Control

89900678 - Pexco LLC

| <u>Trade Name</u> | <u>Evaluation #</u> |
|-------------------------------------|---------------------|
| FG 300 Interstate Grade Curb System | 06073 |
| -- | |
| FG 300 Turnpike Grade Curb System | 13015 |
| -- | |

89901545 - Traffic Safety Service LLC

| <u>Trade Name</u> | <u>Evaluation #</u> |
|-----------------------|---------------------|
| TSS-590 Water Barrier | 20076 |
| MASH TL-3. | |

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Product Category: 45 - MASH Approved Safety Hardware
Section: E-Category II Work Zone Devices
Material: QPL.45.028 - Other Lightweight TCDs

89900678 - Pexco LLC

| <u>Trade Name</u> | <u>Evaluation #</u> |
|--|---------------------|
| WZ-380 Type III Barricade | 06074 |
| MASH TL-3. With perforated square steel tube (PSST) feet and uprights. | |
| WZ-381 Type III Barricade | 06074 |
| With angle iron feet and X-tube upright. | |

89900689 - Plasticade Products

| <u>Trade Name</u> | <u>Evaluation #</u> |
|------------------------------|---------------------|
| Plasticade SS100 Tripod | 20078 |
| -- | |
| Plasticade SS105 Tripod | 20079 |
| -- | |
| Plasticade SS300 Sign Stand | 20080 |
| -- | |
| Plasticade SS300A Sign Stand | 20081 |
| -- | |
| Plasticade SS310 Sign Stand | 20082 |
| -- | |
| Plasticade SS310A Sign Stand | 20083 |
| -- | |
| Plasticade SS340A Sign Stand | 20084 |
| -- | |
| Plasticade SS410A Sign Stand | 20085 |

* Material has been expired

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Product Category: 45 - MASH Approved Safety Hardware
Section: E-Category II Work Zone Devices
Material: QPL.45.028 - Other Lightweight TCDs

89900689 - Plasticade Products

| <u>Trade Name</u> | <u>Evaluation #</u> |
|-------------------------------|---------------------|
| -- | |
| Plasticade SS420A Sign Stand | 20086 |
| -- | |
| Plasticade SS520 Sign Stand | 20087 |
| -- | |
| Plasticade SSRB800 Sign Stand | 20077 |
| -- | |

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Product Category: 45 - MASH Approved Safety Hardware
Section: F-Category III Work Zone Devices
Material: QPL.45.029 - WZ Barriers:Port precast con, free stand

89900294 - Easi-Set Worldwide

Trade Name

12" J-J Hooks Free Stdg 20' F Shape

Evaluation #

19038

MASH TL-3. Easi-Set Worldwide certifies producers of this product. Chris-Hill Construction Company is an approved producer of th barrier. Ross Prestess is an approved producer of this barrier.

12" J-J Hooks Free Stdg 20' Jersey Shape

19038

MASH TL-3. Easi-Set Worldwide certifies producers of this product. Chris-Hill Construction Company is an approved producer of tl barrier. Ross Prestess is an approved producer of this barrier.

J-J Hooks MASH Free Standing

17095

MASH TL-3. Easi-Set Worldwide certifies producers of this product. Chris-Hill Construction Company is an approved producer of tl barrier. Ross Prestess is an approved producer of this barrier.

89900450 - Hill & Smith Inc

Trade Name

ZoneBloc

Evaluation #

19055

MASH TL-3 (REBLOC RB80S_12)

89901558 - Rockingham Precast

Trade Name

F-Shape Precast Concrete Traffic Barrier

Evaluation #

21033

TL-3. T-LOK 11A.

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Product Category: 45 - MASH Approved Safety Hardware
Section: F-Category III Work Zone Devices
Material: QPL.45.030 - WZ Barr:Portable precast con, anchored

89900294 - Easi-Set Worldwide

Trade Name

J-J Hooks MASH 20' Bolt/Pin Down Barrier

Evaluation #

13092

MASH TL-3. F-shape with 8-inch top and 22-1/2-inch base. F-shape with 9-inch top and 24-inch base. 10- and 15-foot sections w 2-bolt configuration. 20-foot sections with 3-bolt (or 4-pin) configuration. Easi-Set Worldwide certifies producers of this product. Chris-Hill Construction Company is an approved producer of this barrier. Ross Prestess is an approved producer of this barrier.

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Product Category: 45 - MASH Approved Safety Hardware
Section: F-Category III Work Zone Devices
Material: QPL.45.031 - WZ Barriers: Steel, anchored

89900450 - Hill & Smith Inc

Trade Name
Zoneguard
MASH TL-3.

Evaluation #
21015

89901535 - Safe Barriers North America LLC

Trade Name
Defender 100 LDS
MASH TL-3.

Evaluation #
20029

89900959 - Trinity Highway Products

Trade Name
HighwayGuard Barrier
TL-3.

Evaluation #
21077

HighwayGuard LDS Barrier
TL-3 and TL-4.

21078

HighwayGuard LDS Barrier Transition
TL-3.

21078

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Product Category: 45 - MASH Approved Safety Hardware
Section: F-Category III Work Zone Devices
Material: QPL.45.032 - WZ Barriers: Steel, free-standing

89901530 - Saferoads

| <u>Trade Name</u> | <u>Evaluation #</u> |
|--|---------------------|
| HV2 Safety Barrier | 18100 |
| MASH TL-3 and TL-4. Steel barrier with concrete ballast. | |
| HV2 Transition to Crash Cushion | 18100 |
| MASH TL-3 and TL-4. To be used with HV2 Safety Barrier. | |

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Product Category: 45 - MASH Approved Safety Hardware
Section: F-Category III Work Zone Devices
Material: QPL.45.034 - WZ Crash Cushions: Non-gating

89900959 - Trinity Highway Products

| <u>Trade Name</u> | <u>Evaluation #</u> |
|--|---------------------|
| QuadGuard Elite M10 24-inch | 19082 |
| MASH TL-3. Redirective, non-gating. Can be used to shield fixed objects up to 24 inches. | |
| QuadGuard Elite M10 Wide | 20090 |
| MASH TL-3. Redirective, non-gating, reusable crash cushion. | |
| QuadGuard Elite System (Narrow) | 12010 |
| MASH TL-3. Hazards narrower than 36". Concrete pad required. | |
| QuadGuard Elite System (Wide) | 12011 |
| MASH TL-3. Hazards wider than 36". Concrete pad required. | |
| QuadGuard M Wide | 20144 |
| MASH TL-3. Redirective, non-gating, reusable crash cushion. | |
| QuadGuard M10 | 12009 |
| MASH TL-3. Non-gating reusable system. Hazards narrower than 36". Concrete pad required. | |
| REACT M | 21004 |
| MASH TL-3. Redirective, non-gating, self-restoring crash cushion. | |

89901033 - Work Area Protection Corp

| <u>Trade Name</u> | <u>Evaluation #</u> |
|--|---------------------|
| SCI-100 GM (Narrow) | 03151 |
| MASH TL-3 Non-gating, low maintenance system Hazards narrower than 36" Concrete pad required | |
| SCI-100 GM (Wide) | 03151 |
| MASH TL-3 Non-gating, low maintenance system Hazards wider than 36" Concrete pad required | |

* Material has been expired

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Product Category: 45 - MASH Approved Safety Hardware
Section: G-Category IV Work Zone/Traffic Control
Material: QPL.45.035 - Attenuators: Truck-mounted

89900959 - Trinity Highway Products

| <u>Trade Name</u> | <u>Evaluation #</u> |
|---------------------------------|---------------------|
| SS180M Truck-Mounted Attenuator | 20003 |
| MASH TL-3. | |

Product Category: 45 - MASH Approved Safety Hardware
Section: G-Category IV Work Zone/Traffic Control
Material: QPL.45.036 - Attenuators: Trailer-mounted

89901059 - Gregory Industries Inc

| <u>Trade Name</u> | <u>Evaluation #</u> |
|--|---------------------|
| TTMA-200 Trailer Mounted Attenuator | 19027 |
| MASH TL-3. Roll-ahead distance 35 feet for non-blocked wheels. | |

89900950 - Traffix Devices Inc

| <u>Trade Name</u> | <u>Evaluation #</u> |
|--------------------------------------|---------------------|
| Scorpion II Truck-Mounted Attenuator | 18027 |
| MASH TL-3. | |

89900959 - Trinity Highway Products

| <u>Trade Name</u> | <u>Evaluation #</u> |
|-------------------|---------------------|
| SMT | 20004 |
| MASH TL-3. | |

Number of Approved Materials in Report: 62