

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**

**Seciton: A-Longitudinal Barriers**

**Material: QPL.45.002 Thrie Beam Guardrail**

**89901059 - Gregory Industries Inc**

**Trade Name**

Guardian 5

MASH TL-5

Thrie beam

**Evaluation #**

18015

**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: A-Longitudinal Barriers**

**Material: QPL.45.003 Cable Barrier Systems**

**89900132 - Brifen USA**

**Trade Name**

Brifen MASH O-Post and MASH MGT

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

**Evaluation #**

20093

**89900409 - Gibraltar**

**Trade Name**

MASH 2016 Cable Barrier System

MASH TL-3. Gibraltar Cable Barrier System with 4 cables, C-section steel posts, hardware, and Gibraltar end terminals. Shall be installed with 7-foot post spacing. For 4:1 slopes or flatter.

**Evaluation #**

21072

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**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: A-Longitudinal Barriers**

**Material: QPL.45.007**

**Alt. Systems: Roller barriers**

**89901533 - ETI USA, Inc.**

Trade Name

Evaluation #

ETI-GR02-TL4

18094

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

**89901529 - KSI**

Trade Name

Evaluation #

KSI Global Safety Roller Barrier

18095

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

**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: A-Longitudinal Barriers**

**Material: QPL.45.011**

**Attachments**

**89901574 - Durisol USA, Inc.**

Trade Name

Evaluation #

Acrylite Soundstop Structure Mounted NB

21014

TL-4 Noise barrier system. Max. Height from Pavement = 17 ft. Actual height will depend on required height as determined by noise study, allowable height as determined by wind load calculations, and other factors.

Ground Mounted NB System TL-3

22069

TL-3 Noise barrier system. Max. Height from Pavement = 17.3 ft. Actual height will depend on required height as determined by noise study, allowable height as determined by wind load calculations, and other factors.

Ground Mounted NB System TL-4

22070

TL-4 Noise barrier system. Max. Height from Pavement = 17.3 ft. Actual height will depend on required height as determined by noise study, allowable height as determined by wind load calculations, and other factors.

Structure Mounted Aluminum NB System

22071

TL-4 Noise barrier system. Max. Height from Pavement = 17 ft. Actual height will depend on required height as determined by noise study, allowable height as determined by wind load calculations, and other factors.

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**Product Category: 45 - MASH Approved Safety Hardware**  
**Seciton: 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 - Valtir, LLC**

<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**

**Seciton: B-Guardrail End Terminals**

**Material: QPL.45.016**

**Median Guardrail End Terminals**

**89900959 - Valtir, LLC**

**Trade Name**

**Evaluation #**

MATT (Median Attenuating TREND Terminal)

22030

MASH TL-3. Median W-beam tangent redirective guardrail end terminal (approach or departure).

**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: C-Crash Cushions**

**Material: QPL.45.017**

**Reusable**

**89900103 - Lindsay Transportation Solutions, LLC**

**Trade Name**

**Evaluation #**

TAU-M Crash Cushion

23089

TL-2 and TL-3, only on concrete

**89900950 - Traffix Devices Inc**

**Trade Name**

**Evaluation #**

Delta Crash Cushion

21032

MASH TL-3.

Delta Crash Cushion TL-2 PLUS

24009

TL-2

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**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: C-Crash Cushions**

**Material: QPL.45.017 Reusable**

**89900959 - Valtir, LLC**

<u>Trade Name</u>	<u>Evaluation #</u>
QuadGuard M Wide MASH TL-3. Redirective, non-gating, reusable crash cushion.	20144
QuadGuard M10 MASH TL-3 Non-gating reusable system. Hazards narrower than 36". Concrete pad required.	12009
QuadGuard M10 24 in. TL-2 MASH TL-2. Redirective, non-gating, reusable crash cushion.	22059

**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: C-Crash Cushions**

**Material: QPL.45.018 Low Maintenance**

**89900450 - Hill & Smith Inc**

<u>Trade Name</u>	<u>Evaluation #</u>
SmartPod Crash Attenuator TL-3	24010

**89900959 - Valtir, LLC**

<u>Trade Name</u>	<u>Evaluation #</u>
QuadGuard Elite M10 24-inch MASH TL-3. Redirective, non-gating. Can be used to shield fixed objects up to 24 inches wide.	19082
QuadGuard Elite M10 Wide 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.	20090

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**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: C-Crash Cushions**

**Material: QPL.45.018**

**Low Maintenance**

**89901033 - Work Area Protection Corp**

**Trade Name**

**Evaluation #**

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**

**Seciton: C-Crash Cushions**

**Material: QPL.45.019**

**Self-Restoring**

**89900959 - Valtir, LLC**

**Trade Name**

**Evaluation #**

REACT M

21004

MASH TL-3. Redirective, non-gating, self-restoring crash cushion.

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**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: D-Category I Work Zone Devices**

**Material: QPL.45.009 Pedestrian Channelizers (< 100lbs.)**

**89900950 - Traffix Devices Inc**

Trade Name

Evaluation #

ADA Urbanite Longitudinal Device

18028

MASH TL-3.

**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: E-Category II Work Zone Devices**

**Material: QPL.45.025 Long. Channelizers for Traffic Control**

**89900678 - Pexco LLC**

Trade Name

Evaluation #

FG 300 Interstate Grade Curb System

06073

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FG 300 Turnpike Grade Curb System

13015

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**89901545 - Traffic Safety Service LLC**

Trade Name

Evaluation #

TSS-590 Water Barrier

20076

MASH TL-3.

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**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: E-Category II Work Zone Devices**

**Material: QPL.45.025**

**Long. Channelizers for Traffic Control**

**89900959 - Valtir, LLC**

**Trade Name**

**Evaluation #**

ArmorZone TL-2 Barrier

23053

Limited to use for zones with traffic < 45mph. Use in accordance with TDOT Work Zone Design Manual.

SiteGuide TL-3 Long. Channelizing Device

22082

Limited to use for zones with traffic < 45mph. Use in accordance with TDOT Work Zone Design Manual.

Yodock 2001M

21115

Limited to use for zones with traffic < 45mph. Use in accordance with TDOT Work Zone Design Manual.

Yodock 2001MB

21116

Limited to use for zones with traffic < 45mph. Use in accordance with TDOT Work Zone Design Manual.

**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: E-Category II Work Zone Devices**

**Material: QPL.45.028**

**Other Lightweight TCDs**

**89901576 - Eastern Metal of Elmira, Inc.**

**Trade Name**

**Evaluation #**

Apex Compact Sign Stand

22064

TL-3. Aluminum legs on steel sign stand base. For roll-up signs.

Apex Dual Recoil Max Sign Stand

23007

TL-3. Aluminum legs on steel sign stand base. For roll-up signs.

Apex Recoil Sign Stand

22063

TL-3. Aluminum legs on steel sign stand base. For roll-up signs.



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**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: E-Category II Work Zone Devices**

**Material: QPL.45.028**

**Other Lightweight TCDs**

**89900678 - Pexco LLC**

**Trade Name**

**Evaluation #**

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**

**Trade Name**

**Evaluation #**

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Plasticade SS100 Tripod	20078
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Plasticade SS105 Tripod	20079
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Plasticade SS300 Sign Stand	20080
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Plasticade SS300A Sign Stand	20081
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Plasticade SS310 Sign Stand	20082
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Plasticade SS310A Sign Stand	20083
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Plasticade SS340A Sign Stand	20084
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Plasticade SS410A Sign Stand	20085
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Plasticade SS420A Sign Stand	20086
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Plasticade SS520 Sign Stand	20087
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Plasticade SSRB800 Sign Stand	20077
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Safetycade Type 1 & 2 Barricade	23056
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Verticade Vertical Panel Barricade	23057
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**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: F-Category III Work Zone Devices**

**Material: QPL.45.029**

**Portable Barriers: Concrete, free-standi**

**89900294 - Easi-Set Worldwide**

**Trade Name**

**Evaluation #**

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

19038

MASH TL-3. 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. Infrastructure Precast Inc. 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 this barrier. Ross Prestess is an approved producer of this barrier. Infrastructure Precast Inc. 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 this barrier. Ross Prestess is an approved producer of this barrier. Infrastructure Precast Inc. is an approved producer of this barrier.

**89900450 - Hill & Smith Inc**

**Trade Name**

**Evaluation #**

ZoneBloc

19055

MASH TL-3 (REBLOC RB80S\_12)

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**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: F-Category III Work Zone Devices**

**Material: QPL.45.029**

**Portable Barriers: Concrete, free-standi**

**89901558 - Rockingham Precast**

**Trade Name**

F-Shape Precast Concrete Traffic Barrier

TL-3. T-LOK 11A.

**Evaluation #**

21033

**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: F-Category III Work Zone Devices**

**Material: QPL.45.030**

**Portable Barriers: Concrete, anchored**

**89901575 - Eagle Precast**

**Trade Name**

12.5' F Shape K Wall

12'-6" sections, 22-1/2" width, 32" height, 8" top. Ends of barrier wall section must be anchored. Eagle Precast facilities at Kings Mountain, NC and Forsyth, GA are approved producers for this barrier.

**Evaluation #**

21106

**89900294 - Easi-Set Worldwide**

**Trade Name**

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

MASH TL-3. Jersey Shape or 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 with 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. Infrastructure Precast Inc. is an approved producer of this barrier.

**Evaluation #**

13092

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**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: F-Category III Work Zone Devices**

**Material: QPL.45.031**

**Portable Barriers: Steel, anchored**

**89900450 - Hill & Smith Inc**

**Trade Name**

Zoneguard

MASH TL-3.

**Evaluation #**

21015

**89901535 - Safe Barriers, LLC**

**Trade Name**

Defender 100 LDS

MASH TL-3.

**Evaluation #**

20029

**89900959 - Valtir, LLC**

**Trade Name**

HighwayGuard Barrier Transition

TL-3.

**Evaluation #**

21078

HighwayGuard Low Deflection Barrier LDS

TL-3 and TL-4.

21078

HighwayGuard Min. Deflection Barrier MDS

TL-3.

22084

HighwayGuard Standard Barrier SDS

TL-3.

21077

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**Product Category: 45 - MASH Approved Safety Hardware**

**Seciton: F-Category III Work Zone Devices**

**Material: QPL.45.032**

**Portable Barriers: Steel, free-standing**

**89901530 - Saferoads**

**Trade Name**

**Evaluation #**

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**

**Seciton: F-Category III Work Zone Devices**

**Material: QPL.45.034**

**Crash Cushions: Redirective**

**89901033 - Work Area Protection Corp**

**Trade Name**

**Evaluation #**

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**

**Seciton: G-Category IV Work Zone/Traffic Control**

**Material: QPL.45.035**

**Attenuators: Truck-mounted**

**89900959 - Valtir, LLC**

**Trade Name**

**Evaluation #**

SS180M Truck-Mounted Attenuator

20003

MASH TL-3.



