

SCDOT Qualified Product List 49 (QL49) - Permanent Roadside Safety Devices & Traffic Barrier Components

8/1/2024

Standard Drawing	Pay Item	Manufacturer	Product Name	Category	Test Criteria	Comments
805-785-00	8057355	Valtir, LLC	Quadguard Elite M10 TL-3 (Narrow) Barrier Width 0-24 (in)	Crash Cushion	MASH	Class B, System Length = 28 (ft)
805-785-00	8057375	Valtir, LLC	Quadguard Elite M10 TL-3 (Wide) Barrier Width 69.5 (in)	Crash Cushion	MASH	Class B, System Length = 28 (ft) (See Note 1)
805-785-00	8057310	Valtir, LLC	Quadguard Elite TL-2 (Narrow) Barrier Width 0-24 (in)	Crash Cushion	PREMASH	Class B, System Length = 19 (ft)
805-785-00	8057330	Valtir, LLC	Quadguard Elite TL-2 (Wide) Barrier Width 25-90 (in)	Crash Cushion	PREMASH	Class B, System Length = 19 (ft)
805-785-00	8057355	Valtir, LLC	Quadguard Elite TL-3 (Narrow) Barrier Width 0-24 (in)	Crash Cushion	PREMASH	Class B, System Length = 28 (ft)
805-785-00	8057375	Valtir, LLC	Quadguard Elite TL-3 (Wide) Barrier Width 25-90 (in)	Crash Cushion	PREMASH	Class B, System Length = 28 (ft)
805-785-00	8057315	Valtir, LLC	Quadguard II TL-2 (Narrow) Barrier Width 0-24 (in)	Crash Cushion	PREMASH	Class C, System Length = 11 (ft)
805-785-00	8057335	Valtir, LLC	Quadguard II TL-2 (Wide) Barrier Width 25-90 (in)	Crash Cushion	PREMASH	Class C, System Length = 11 (ft)
805-785-00	8057360	Valtir, LLC	Quadguard II TL-3 (Narrow) Barrier Width 0-24 (in)	Crash Cushion	PREMASH	Class C, System Length = 20 (ft)
805-785-00	8057380	Valtir, LLC	Quadguard II TL-3 (Wide) Barrier Width 25-126 (in)	Crash Cushion	PREMASH	Class C, System Length = 20 (ft)
805-785-00	8057380	Valtir, LLC	React M TL-3 (Wide) Barrier Width 0-30 (in)	Crash Cushion	MASH	Class C, System Length = 23 (ft)
805-785-00	8057315	Lindsay Transportation Solutions	TAU-II TL-2 (Narrow) Barrier Width 0-24 (in)	Crash Cushion	PREMASH	Class C, System Length = 15 (ft)
805-785-00	8057360	Lindsay Transportation Solutions	TAU-II TL-3 (Narrow) Barrier Width 0-24 (in)	Crash Cushion	PREMASH	Class C, System Length = 27 (ft)
805-785-00	8057355	Lindsay Transportation Solutions	TAU-IIR TL-3 (Narrow) Barrier Width 0-24 (in)	Crash Cushion	PREMASH	Class B, System Length = 27 (ft)
805-785-00	8057375	Lindsay Transportation Solutions	TAU-XR TL-3 (Wide) Barrier Width 0-30 (in)	Crash Cushion	MASH	Class B, System Length = 24 (ft) (See Note 5)
805-785-00	8057375	Lindsay Transportation Solutions	TAU-XR TL-3 (Wide) Barrier Width 30-38 (in)	Crash Cushion	MASH	Class B, System Length = 32 (ft) (See Note 5)
805-785-00	8057375	Lindsay Transportation Solutions	TAU-XR TL-3 (Wide) Barrier Width 38-45 (in)	Crash Cushion	MASH	Class B, System Length = 35 (ft) (See Note 5)
805-785-00	8057375	Lindsay Transportation Solutions	TAU-XR TL-3 (Wide) Barrier Width 45-52 (in)	Crash Cushion	MASH	Class B, System Length = 38 (ft) (See Note 5)
805-785-00	8057350	Hill & Smith	SCI Smart Cushion TL-3 (Narrow) Barrier Width 0-24 (in)	Crash Cushion	MASH	Class A, System Length = 23 (ft)
805-785-00	8057370	Hill & Smith	SCI Smart Cushion TL-3 (Wide) Barrier Width = 30 (in)	Crash Cushion	MASH	Class A, System Length = 26 (ft)
805-785-00	8057370	Hill & Smith	SCI Smart Cushion TL-3 (Wide) Barrier Width = 36 (in)	Crash Cushion	MASH	Class A, System Length = 28 (ft)
805-785-00	8057370	Hill & Smith	SCI Smart Cushion TL-3 (Wide) Barrier Width = 37-38 (in)	Crash Cushion	MASH	Class A, System Length = 31 (ft)
805-785-00	8057370	Hill & Smith	SCI Smart Cushion TL-3 (Wide) Barrier Width = 39-46 (in)	Crash Cushion	MASH	Class A, System Length = 33 (ft)
805-785-00	8057370	Hill & Smith	SCI Smart Cushion TL-3 (Wide) Barrier Width = 47-54 (in)	Crash Cushion	MASH	Class A, System Length = 35 (ft)
805-785-00	8057370	Hill & Smith	SCI Smart Cushion TL-3 (Wide) Barrier Width = 55-62 (in)	Crash Cushion	MASH	Class A, System Length = 37 (ft)
805-785-00	8057370	Hill & Smith	SCI Smart Cushion TL-3 (Wide) Barrier Width = 63-70 (in)	Crash Cushion	MASH	Class A, System Length = 39 (ft)
805-785-00	8057370	Hill & Smith	SCI Smart Cushion TL-3 (Wide) Barrier Width = 71-78 (in)	Crash Cushion	MASH	Class A, System Length = 41 (ft)
805-785-00	8057370	Hill & Smith	SCI Smart Cushion TL-3 (Wide) Barrier Width = 79-86 (in)	Crash Cushion	MASH	Class A, System Length = 43 (ft)
805-785-00	8057370	Hill & Smith	SCI Smart Cushion TL-3 (Wide) Barrier Width = 87-94 (in)	Crash Cushion	MASH	Class A, System Length = 45 (ft)
805-785-00	8057370	Hill & Smith	SCI Smart Cushion TL-3 (Wide) Barrier Width = 95-103 (in)	Crash Cushion	MASH	Class A, System Length = 47 (ft)
805-785-00	8057370	Hill & Smith	SCI Smart Cushion TL-3 (Wide) Barrier Width = 104-110 (in)	Crash Cushion	MASH	Class A, System Length = 49 (ft)
805-785-00	8057305	Hill & Smith	SCI Smart Cushion TL-2 (Narrow) Barrier Width 0-24 (in)	Crash Cushion	MASH	Class A, System Length = 15 (ft)
805-785-00	8057325	Hill & Smith	SCI Smart Cushion TL-2 (Wide) Barrier Width = 30 (in)	Crash Cushion	MASH	Class A, System Length = 18 (ft)
805-785-00	8057325	Hill & Smith	SCI Smart Cushion TL-2 (Wide) Barrier Width = 36 (in)	Crash Cushion	MASH	Class A, System Length = 19 (ft)
805-785-00	8057325	Hill & Smith	SCI Smart Cushion TL-2 (Wide) Barrier Width = 37-38 (in)	Crash Cushion	MASH	Class A, System Length = 22 (ft)
805-785-00	8057325	Hill & Smith	SCI Smart Cushion TL-2 (Wide) Barrier Width = 39-46 (in)	Crash Cushion	MASH	Class A, System Length = 24 (ft)
805-785-00	8057325	Hill & Smith	SCI Smart Cushion TL-2 (Wide) Barrier Width = 47-54 (in)	Crash Cushion	MASH	Class A, System Length = 26 (ft)
805-785-00	8057325	Hill & Smith	SCI Smart Cushion TL-2 (Wide) Barrier Width = 55-62 (in)	Crash Cushion	MASH	Class A, System Length = 28 (ft)
805-785-00	8057325	Hill & Smith	SCI Smart Cushion TL-2 (Wide) Barrier Width = 63-70 (in)	Crash Cushion	MASH	Class A, System Length = 30 (ft)
805-785-00	8057325	Hill & Smith	SCI Smart Cushion TL-2 (Wide) Barrier Width = 71-78 (in)	Crash Cushion	MASH	Class A, System Length = 32 (ft)
805-785-00	8057325	Hill & Smith	SCI Smart Cushion TL-2 (Wide) Barrier Width = 79-86 (in)	Crash Cushion	MASH	Class A, System Length = 34 (ft)
805-785-00	8057325	Hill & Smith	SCI Smart Cushion TL-2 (Wide) Barrier Width = 87-94 (in)	Crash Cushion	MASH	Class A, System Length = 36 (ft)
805-785-00	8057325	Hill & Smith	SCI Smart Cushion TL-2 (Wide) Barrier Width = 95-103 (in)	Crash Cushion	MASH	Class A, System Length = 38 (ft)
805-785-00	8057325	Hill & Smith	SCI Smart Cushion TL-2 (Wide) Barrier Width = 104-110 (in)	Crash Cushion	MASH	Class A, System Length = 40 (ft)
805-115-51	8051155	Road Systems, Inc.	MSKT TL-2 (Type MT)	End Terminal	MASH	
805-115-11	8051151	Road Systems, Inc.	MSKT TL-3 (Type MT)	End Terminal	MASH	
805-605-11	8057100	Road Systems, Inc.	SKT TL-2 (Type T)	End Terminal	PREMASH	Discontinued by manufacturer use MASH head only (MSKT)
805-605-11	8057050	Road Systems, Inc.	SKT TL-3 (Type T)	End Terminal	PREMASH	Discontinued by manufacturer use MASH head only (MSKT)
805-115-51	8051155	Valtir, LLC	SoftStop TL-2 (Type MT)	End Terminal	MASH	
805-115-11	8051151	Valtir, LLC	SoftStop TL-3 (Type MT)	End Terminal	MASH	
805-635-00	8052210	Elderlee, Inc.	Trailing Type B	End Terminal	PREMASH	Pay Item for Thrie-Beam Version is 8052220
805-635-00	8052210	Gregory Highway Products	Trailing Type B	End Terminal	PREMASH	Pay Item for Thrie-Beam Version is 8052220
805-635-00	8052210	Highway Safety Corp.	Trailing Type B	End Terminal	PREMASH	Pay Item for Thrie-Beam Version is 8052220
805-635-00	8052210	R.G. Steel Corp.	Trailing Type B	End Terminal	PREMASH	Pay Item for Thrie-Beam Version is 8052220
805-635-00	8052210	Spig Industries, Inc.	Trailing Type B	End Terminal	PREMASH	Pay Item for Thrie-Beam Version is 8052220
805-635-00	8052210	Valtir, LLC	Trailing Type B	End Terminal	PREMASH	Pay Item for Thrie-Beam Version is 8052220
805-170-00	8051710	Elderlee, Inc.	Trailing Type MB	End Terminal	MASH	
805-170-00	8051710	Gregory Highway Products	Trailing Type MB	End Terminal	MASH	
805-170-00	8051710	Highway Safety Corp.	Trailing Type MB	End Terminal	MASH	
805-170-00	8051710	R.G. Steel Corp.	Trailing Type MB	End Terminal	MASH	
805-170-00	8051710	Spig Industries, Inc.	Trailing Type MB	End Terminal	MASH	
805-170-00	8051710	Valtir, LLC	Trailing Type MB	End Terminal	MASH	

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Standard Drawing	Pay Item	Manufacturer	Product Name	Category	Test Criteria	Comments
805-630-01	See STD.	Valtir, LLC	CAT-350 TL-3	Impact Attenuator	PREMASH	No MASH alternative currently available, use for repairs and new installations where required.
805-630-01	See STD.	Road Systems, Inc.	FLEAT-MT TL-3	Impact Attenuator	PREMASH	No MASH alternative currently available, use for repairs and new installations where required.
F805-090-00	---	Mondo Polymer Technologies	Thrie-Beam 12" Composite Offset Block (Steel Post) (MGS21SH)	Offset Block	N/A	Unflanged, use with 7' Heavy Steel W6 x 15 (Thrie-Beam) & 7' Steel W6 x 8.5 (Thrie-Beam) Posts
F805-090-00	---	Mondo Polymer Technologies	Thrie-Beam 8" Composite Offset Block (Steel Post) (TB21SH)	Offset Block	N/A	
F805-090-00	---	Mondo Polymer Technologies	W-Beam 12" Composite Offset Block (Steel Post) (MGS14SH)	Offset Block	N/A	
F805-090-00	---	Valtir, LLC	W-Beam 12" Composite Offset Block (Steel Post) (119410)	Offset Block	N/A	
F805-090-00	---	Mondo Polymer Technologies	W-Beam 12" Composite Offset Block (Wood Post) (MGS14U)	Offset Block	N/A	
F805-090-00	---	Mondo Polymer Technologies	W-Beam 8" Composite Offset Block (Steel Post) (GB14SH)	Offset Block	N/A	
F805-090-00	---	Valtir, LLC	W-Beam 8" Composite Offset Block (Steel Post)	Offset Block	N/A	
F805-090-00	---	Mondo Polymer Technologies	W-Beam 8" Composite Offset Block (Wood Post) (GB14U)	Offset Block	N/A	
F805-090-00	---	Elderlee, Inc.	6' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	Gregory Highway Products	6' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	Highway Safety Corp.	6' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	R.G. Steel Corp.	6' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	Spig Industries, Inc.	6' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	Valtir, LLC	6' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	Samuel Roll Form Group	6' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	Elderlee, Inc.	7' Heavy Steel W6 x 15 (Thrie-Beam)	Post	N/A	
F805-090-00	---	Gregory Highway Products	7' Heavy Steel W6 x 15 (Thrie-Beam)	Post	N/A	
F805-090-00	---	Highway Safety Corp.	7' Heavy Steel W6 x 15 (Thrie-Beam)	Post	N/A	
F805-090-00	---	R.G. Steel Corp.	7' Heavy Steel W6 x 15 (Thrie-Beam)	Post	N/A	
F805-090-00	---	Valtir, LLC	7' Heavy Steel W6 x 15 (Thrie-Beam)	Post	N/A	
F805-090-00	---	Samuel Roll Form Group	7' Heavy Steel W6 x 15 (Thrie-Beam)	Post	N/A	
F805-090-00	---	Elderlee, Inc.	7' Steel W6 x 8.5 (Thrie-Beam)	Post	N/A	
F805-090-00	---	Gregory Highway Products	7' Steel W6 x 8.5 (Thrie-Beam)	Post	N/A	
F805-090-00	---	Highway Safety Corp.	7' Steel W6 x 8.5 (Thrie-Beam)	Post	N/A	
F805-090-00	---	R.G. Steel Corp.	7' Steel W6 x 8.5 (Thrie-Beam)	Post	N/A	
F805-090-00	---	Spig Industries, Inc.	7' Steel W6 x 8.5 (Thrie-Beam)	Post	N/A	
F805-090-00	---	Valtir, LLC	7' Steel W6 x 8.5 (Thrie-Beam)	Post	N/A	
F805-090-00	---	Samuel Roll Form Group	7' Steel W6 x 8.5 (Thrie-Beam)	Post	N/A	
F805-090-00	---	Elderlee, Inc.	9' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	Gregory Highway Products	9' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	Highway Safety Corp.	9' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	R.G. Steel Corp.	9' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	Spig Industries, Inc.	9' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	Valtir, LLC	9' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	Samuel Roll Form Group	9' Steel W6 x 8.5 (W-Beam)	Post	N/A	
F805-090-00	---	American Timber & Steel	Type B & Type MB Trailing End Breakaway Post (Wood)	Post	N/A	
F805-090-00	---	Central Nebraska Wood Preservers	Type B & Type MB Trailing End Breakaway Post (Wood)	Post	N/A	
F805-090-00	---	Iowa Wood Preservers	Type B & Type MB Trailing End Breakaway Post (Wood)	Post	N/A	
F805-090-00	---	SI Storey Lumber	Type B & Type MB Trailing End Breakaway Post (Wood)	Post	N/A	
F805-090-00	---	American Timber & Steel	Wood CRT Post - Curved W-Beam	Post	N/A	
F805-090-00	---	Central Nebraska Wood Preservers	Wood CRT Post - Curved W-Beam	Post	N/A	
F805-090-00	---	Iowa Wood Preservers	Wood CRT Post - Curved W-Beam	Post	N/A	
F805-090-00	---	SI Storey Lumber	Wood CRT Post - Curved W-Beam	Post	N/A	
F805-090-00	---	Gregory Highway Products	Thrie-Beam	Rail Element	N/A	
F805-090-00	---	R.G. Steel Corp.	Thrie-Beam	Rail Element	N/A	
F805-090-00	---	Valtir, LLC	Thrie-Beam	Rail Element	N/A	
F805-090-00	---	Gregory Highway Products	Thrie-Beam Asymmetrical Transition (Left)	Rail Element	N/A	
F805-090-00	---	R.G. Steel Corp.	Thrie-Beam Asymmetrical Transition (Left)	Rail Element	N/A	
F805-090-00	---	Valtir, LLC	Thrie-Beam Asymmetrical Transition (Left)	Rail Element	N/A	
F805-090-00	---	Gregory Highway Products	Thrie-Beam Asymmetrical Transition (Right)	Rail Element	N/A	
F805-090-00	---	R.G. Steel Corp.	Thrie-Beam Asymmetrical Transition (Right)	Rail Element	N/A	
F805-090-00	---	Valtir, LLC	Thrie-Beam Asymmetrical Transition (Right)	Rail Element	N/A	
F805-090-00	---	Gregory Highway Products	Thrie-Beam Terminal Connector	Rail Element	N/A	
F805-090-00	---	R.G. Steel Corp.	Thrie-Beam Terminal Connector	Rail Element	N/A	
F805-090-00	---	Valtir, LLC	Thrie-Beam Terminal Connector	Rail Element	N/A	
F805-090-00	---	Gregory Highway Products	W-Beam	Rail Element	N/A	
F805-090-00	---	Highway Safety Corp.	W-Beam	Rail Element	N/A	
F805-090-00	---	R.G. Steel Corp.	W-Beam	Rail Element	N/A	
F805-090-00	---	Spig Industries, Inc.	W-Beam	Rail Element	N/A	
F805-090-00	---	Valtir, LLC	W-Beam	Rail Element	N/A	

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F805-090-00	---	Samuel Roll Form Group	W-Beam	Rail Element	N/A	
F805-090-00		Gregory Highway Products	Curved/Shop Bent W-Beam	Rail Element	N/A	
F805-090-00		Valtir, LLC	Curved/Shop Bent W-Beam	Rail Element	N/A	
F805-090-00	---	Gregory Highway Products	W-Beam Terminal Connector	Rail Element	N/A	
F805-090-00	---	R.G. Steel Corp.	W-Beam Terminal Connector	Rail Element	N/A	
F805-090-00	---	Valtir, LLC	W-Beam Terminal Connector	Rail Element	N/A	
F805-090-00	---	Gregory Highway Products	W-beam to Thrie-Beam Symmetrical Transition	Rail Element	N/A	
F805-090-00	---	R.G. Steel Corp.	W-beam to Thrie-Beam Symmetrical Transition	Rail Element	N/A	
F805-090-00	---	Valtir, LLC	W-beam to Thrie-Beam Symmetrical Transition	Rail Element	N/A	
805-525-01	8055250	U-Teck	Big-Foot Leave Out 27" x 22" Mat	Vegetation Control	N/A	
805-525-01	8055250	Traffix Devices, Inc.	Weed Mat	Vegetation Control	N/A	
805-525-01	8055250	Traffix Devices, Inc.	Weed Mat Gasket 24" x 24"	Vegetation Control	N/A	
805-525-01	8055250	U-Teck	Weed Ender	Vegetation Control	N/A	
805-530-00	8055300	Pexco LLC	City Post (Flexible Warning Marker Post)	Warning Marker	N/A	Low Maintenance FWMP, glue down and bolt down option available
805-530-00	8055300	Pexco LLC	FG 300 Ground Mount Post	Warning Marker	N/A	
805-530-00	8055300	Pexco LLC	FTSTR Series Ground Mount Post	Warning Marker	N/A	
805-530-00	8055300	Pexco LLC	FTGM Series Ground Mount Post	Warning Marker	N/A	
805-530-00	8055300	Carsonite	Curve-Flex Marker (66" Length) (Flexible Warning Marker Post)	Warning Marker	N/A	Sacrificial FWMP
---	8055300	Valtir, LLC	Dura Post (Flexible Warning Marker Post)	Warning Marker	N/A	Low Maintenance FWMP, glue down and bolt down option available
805-530-00	---	Pexco LLC	FG500 (FG566 Yellow w/ High Intensity Sheeting)	Warning Marker	N/A	For use on Sacrificial FWMP
805-530-00	8055300	Valtir, LLC	Safe-Hit w/ Soil Anchor (Flexible Warning Marker Post)	Warning Marker	N/A	Sacrificial FWMP
805-530-00	---	Orafol Americas, Inc.	Orafol AR1000 (High Intensity Type V Sheeting)	Warning Marker	N/A	For use on Low Maintenance FWMP
---	---	---	X-LITE TL3 (DISCONTINUED Dec 19, 2017)	End Terminal	---	See Note 2
---	---	---	ET-PLUS SYTP (TL3 50') (DISCONTINUED Oct 31, 2014)	End Terminal	---	See Note 2
---	---	---	ET-PLUS (NON-SYTP CONFIGURATIONS) (DISCONTINUED Approx. 2011)	End Terminal	---	See Note 2
---	---	---	ET-2000 (Discontinued by Manufacturer)	End Terminal	---	See Note 2
---	---	---	ET-PLUS SYTP (TL2 25') (DISCONTINUED Oct 31, 2014)	End Terminal	---	See Note 2
---	---	---	TREND (Verify proper installation if retaining on a site)	Crash Cushion	---	Replace with a MASH or PREMASH when funds are available.
---	---	---	TEXAS TWIST (TURNED DOWN END TREATMENT) (Remove leading ends if found)	End Terminal	---	Replace with a MASH or PREMASH when funds are available.
---	---	---	BCT (TYPE A END TREATMENT) (Discontinued in 1995, remove leading ends if found)	End Terminal	---	Replace with a MASH or PREMASH when funds are available.
---	---	---	BLUNT LEADING END (Remove leading ends if found)	End Terminal	---	Replace with a MASH or PREMASH when funds are available.
---	---	---	W-BEAM WITH 12'-6" POST SPACING (Replace with MASH or PREMASH if there are site restrictions)	Rail Element	---	Replace with a MASH or PREMASH when funds are available.
---	---	---	TUBULAR BEAM GUARDRAIL	Rail Element	---	Replace with a MASH or PREMASH when funds are available.
---	---	---	Standard Wood Post (Discontinued by SCDOT in 2018 - USE Wood Post ONLY WHEN SPECIFIED)	Post	---	Replace with MASH or PREMASH if there are site restrictions
---	---	---	Standard Wood Offset Block (Discontinued by SCDOT in 2018 - USE Composite Offset Block)	Post	---	Replace with MASH or PREMASH if there are site restrictions
---	---	---	Quadguard Classic (TL3 & TL2, Narrow & Wide)	Crash Cushion	---	Can be repaired, upgraded to Quadguard II, or replaced when substantially damaged.
---	---	---	HEX-FOAM SANDWICH (hard to find and expensive repair parts)	Crash Cushion	---	See Note 3
---	---	---	TRACC (Identify maintenance requirements when found)	Crash Cushion	---	See Note 3
---	---	---	Brakemaster 350 (discontinued by Manufacturer in 2016)	Impact Attenuator	---	Replace with other product when damaged
---	---	---	Steel (W6x9 or W6x8.5) Offset Block for W-Beam guardrail	Offset Block	---	See Note 4
---	---	---	Steel (W6x9 or W6x8.5) Offset Block for Thrie-Beam guardrail	Offset Block	---	See Note 4

Note 1 - Crash Cushion may be considered to shield hazards less than 69.5 (in) wide as long as resulting gore and shoulders can accommodate the width of this unit. Valtir, LLC must provide appropriate transitions between this wide hardware and the barrier/hazard.

Note 2 - Existing installations of these devices may be maintained to keep functional. Replace with a MASH or PREMASH device if relocation is required, when damaged, or when funds are available.

Note 3 - Can be repaired as long as parts are available for servicing. If substantially damaged, replace with MASH or PREMASH due to site restrictions

Note 4 - Replace with compatible composite block if relocation is required, when damaged, or when funds are available.

Note 5 - Install on concrete foundation only. Do not install on asphalt.

MASH - Use for all New Installations/Construction.

PREMASH - Also referred to as NCHRP350. Not intended for new construction/design. Use only when MASH Device is unavailable or when MASH Device will not fit site geometry (must be justified) or when maintaining existing PREMASH installations.

Crash Cushions - See PCDM-02 for additional information on Crash Cushion Class selection.

PERFORMANCE EXPECTATIONS FOR CRASH CUSHION CATEGORY CLASSES		
CRASH CUSHION CATEGORY CLASS	CATEGORY CLASS NAME	CATEGORY CLASS DESCRIPTION
A	LOW MAINTENANCE	Parts are long wearing. Replace minor hardware after design impacts. Damage expected after major impacts. Requires full matrix crash testing.
B	SELF-RESTORING	Expect parts to wear out from repeated use & exposure. Damage expected after major impacts & some design conditions.
C	PARTIALLY REUSABLE	Cartridge damage expected after each impact. Additional damage to frame after major impacts.
UNCLASSIFIED	UNCLASSIFIED	Units installed prior to above class structure. No new installations, but maintain existing as long a serviceable.

South Carolina Department of Transportation
Qualified Product List 49 - Permanent Traffic Barrier Components (Contacts)
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Manufacturer	WEBSITE	EMAIL	NAME	PHONE	CELL	FAX	ADDRESS
AMERICAN TIMBER & STEEL	www.americantimberandsteel.com	jason@amtim.com	JASON CROSBY	419-688-1610		419-688-7537	P.O. BOX 767, 4832 PLANK RD, NORWALK, OH 44857
CENTRAL NEBRASKA WOOD PRESERVERS	www.nebraskawood.com	Kurt@nebraskawood.com	KURT ANDERS	402-773-4319			P.O. BOX 630, 1098 E MAPLE STREET, SUTTON, NE 68979
ELDERLEE, INC.	www.elderlee.com	PStrain@elderlee.com	PAUL STRAIN	315-789-6670 ext. 246		315-789-6615	729 CROSS ROAD OAKS CORNERS, NY 14518
		DLong@elderlee.com	DANIEL LONG	315-789-9915		315-789-6615	729 CROSS ROAD OAKS CORNERS, NY 14518
GREGORY HIGHWAY PRODUCTS	www.gregorycorp.com	JGrover@gregorycorp.com	JEFF GROVER	704-455-5186	330-284-7821	704-455-5187	4100 - 13TH STREET SW, CANTON, OH 44710
		KMally@gregorycorp.com	KEVIN MALLY	704-389-1493	330-933-3892		PO BOX 80509, CANTON, OH 44708
HIGHWAY SAFETY CORP	www.highwaysafety.net	GAkin@highwaysafety.net	GARY AIKEN	800-544-4929		860-659-9561	239 COMMERCE STREET, GLASTONBURY, CT 06033
HILL & SMITH	www.hillandsmith.com	tony.cappella@hillandsmith.com	TONY CAPPELLA	302-690-0744			987 BUCKEYE PARK ROAD, COLUMBUS, OH 43207
IOWA WOOD PRESERVERS	www.iowawood.com	Jeremy@IowaWood.com	JEREMY JORGENSEN	641-673-0451			2102 S 17TH STREET, OSKALOOSA, IA 52577
LINDSAY TRANSPORTATION SOLUTIONS	www.lindsay.com	Sean.Brockhouse@lindsay.com	SEAN BROCKHOUSE	402-829-6808			18135 BURKE STREET, SUITE 100, OMAHA, NE 68022
MONDO POLYMER TECHNOLOGIES	www.mondopolymer.com	Maggie@mondopolymer.com	MAGGIE ELLIS	740-376-9396		740-376-9960	27620 STATE RT.7, RENO, OH 45773
PEXCO LLC	www.pexco.com	Shelley.Williams@pexco.com	SHELLEY WILLIAMS	253-284-8000	469-271-8648	253-284-8080	3110 - 70TH AVENUE EAST, TACOMA, WA 98424
R.G. STEEL CORP.	www.rgsteel.com	DPrice@rgsteel.com	DAVID PRICE	724-656-1722		724-656-1725	P.O. BOX 356, PULASKI, PA 16143
ROAD SYSTEMS, INC.	www.roadsystems.com	DARson@sbcglobal.net	DAVID REESE	330-799-9291	330-540-2349	330-799-1766	3616 HOWARD COUNTY AIRPORT, BIG SPRING, TX 79720
		JDurkos@roadsystems.com	JOHN DURKOS	330-346-0721		330-346-0722	2516 MALLORY LANE, STOW, OH 44224
SI STOREY LUMBER	www.sistorey.com	charlie@sistoreylumber.com	CHARLIE COLEMAN	706-331-1605			285 SIKE STOREY RD, NW, ARMUCHEE, GA 30105
SPIG INDUSTRY, INC.	www.spigindustry.com	TL@spigindustry.com	TARA LOWE	276-644-9510		276-644-9490	14675 INDUSTRIAL PARK RD., BRISTOL, VA 24202
TRAFFIX DEVICES, INC.	www.traffixdevices.com	LHudoff@traffixdevices.com	LARY HUDOFF		770-778-8281	954-980-3404	160 AVENIDA LA PATA, SAN CLEMENTE, CA 92673
VALITR, LLC *	www.valtir.com	Mark.Schultz@trin.net	MARK SCHULTZ	469-387-8801			15601 DALLAS PARKWAY, SUITE 525, ADDISON, TX 75001
		Greg.Neece@trin.net	GREG NEECE	214-924-8510			
		Crash Cushion & Safe-Hit Contact: Paul.Barber@trin.net	PAUL BARBER	205-473-2664			
U-TECK	www.weedender.com	RMason3@uteck.com	RUSS MASON	910-916-3911	800-542-7011	910-483-0784	PO BOX 2484, FAYETTEVILLE, NC 28302
		NJackson@uteck.com	NAN JACKSON	800-542-7011	910-916-1647		
CARSONITE	www.carsonite.com			803-321-1185		803-276-8940	19845 U.S. Highway 76, Newberry, SC 29108
ORAFOL AMERICAS	www.orafol.com			888-672-8851			1100 Oracal Parkway, Black Creek, GA 31308
SAMUEL ROLL FORM GROUP	www.samuel.com	russell.lewis@rollformgroup.com	RUSSELL LEWIS	662-424-1475		662-424-1475	26 COUNTRY ROAD 351, LUKA, MS 38852
		patrick.coward@samuel.com	PATRICK COWARD	662-689-0272		662-424-1475	
		david.penney@samuel.com	DAVID PENNEY	662-660-0576		662-424-1475	