

California Department of Transportation
 Authorized Materials List
 for
 Highway Safety Features

08/27/2021

Permanent Crash Cushions

Product Name	Manufacturer	350/MASH	Re-Authorization
Big Sandy Inertial Crash Cushion System (ICS)	TraFFix Devices, Inc.	MASH	10/2023
QUADGUARD M10 TL-3	Energy Absorption Systems, Inc.	MASH	6/2021
SCI-100GM TL-3	Work Area Protection Corp	MASH	10/2023
SCI-70GM TL-2	Work Area Protection Corp	MASH	10/2025
Universal TAU-M TL-2 (4 element) Universal TAU-M TL-3 (7 element)	Barrier Systems, Inc.	MASH	4/2022

Temporary Crash Cushions

Product Name	Manufacturer	350/MASH	Re-Authorization
ABSORB-M TL-2 (2 element) ABSORB-M TL-3 (3 element) temporary use only	Lindsay Transportation Solutions	MASH	10/2023
Big Sandy Inertial Crash Cushion System (ICS)	TraFFix Devices, Inc.	MASH	12/2023
Crash Guard CC-48 Sand Barrels TL-2, TL-3 temporary use only	Plastic Safety Systems, Inc.	350	10/2023
ENERGITE 111 System TL-2, TL-3 temporary use only	Energy Absorption Systems, Inc.	350	10/2023

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Temporary Crash Cushions Continued

Product Name	Manufacturer	350/MASH	Re-Authorization
SLED TL-3 (4 module) temporary use only	TrafFix Devices, Inc.	MASH	10/2023
TrafFix Barrels TL-2, TL-3 temporary use only	TrafFix Devices, Inc.	350	10/2023

End Treatments / Guardrail

Product Name	Manufacturer	350/MASH	Re-Authorization
MASH Sequentially Kinking Terminal TL-3	Roads Systems, Inc. (RSI)	MASH	10/2023
MAX-Tension Tangent Guardrail Terminal TL-2	Barrier Systems, Inc.	MASH	4/2022
MAX-Tension Tangent Guardrail Terminal TL-3	Barrier Systems, Inc.	MASH	10/2023
Soft-Stop Guardrail Terminal TL-2, TL-3	Trinity Highway Products, LLC	MASH	10/2023

Median Terminals

Product Name	Manufacturer	350/MASH	Re-Authorization
MAX-Tension Median Terminal	Barrier Systems, Inc.	MASH	10/2021

Barriers

Product Name	Manufacturer	350/MASH	Re-Authorization
ArmourGuard Steel Barrier Gate System TL-3	Barrier Systems, Inc.	350	10/2023

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Barriers Continued

Product Name	Manufacturer	350/MASH	Re-Authorization
Barrier Gate TL-3, BG1.5	Energy Absorption Systems, Inc.	350	10/2023
Brifen O-Post Wire Rope Safety Fence System (TL-3) 4-rope, from 7-ft and up to 21-ft post spacing	Brifen U.S.A., Inc.	MASH	10/2023
Bullnose Non Proprietary TL-3	Barrier Median	350	10/2023
Concrete Reactive Tension system (CRTS) TL-3	Barrier Systems, Inc.	MASH	10/2023
Defender 100HC TL-4	Safe Barriers	MASH	10/2023
Defender 100LDS TL-3	Safe Barriers	MASH	10/2023
J-J Hooks Freestanding, Staked-down, Bolted-down Precast Concrete Barriers	Easi-Set Worldwide	MASH	10/2023
Steel Reactive Tension System (SRTS) TL-3	Barrier Systems, Inc.	350	10/2023
ZoneGuard Standard and Minimum Deflection Systems TL-3	Hill and Smith, Inc.	MASH	10/2021

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Truck and Trailer Mounted Attenuators

Product Name*	Manufacturer	350/MASH	Re-Authorization
Alpha 70K (TMA) TL-2 16,100 - 26,400 lbs	Energy Absorption Systems, Inc.	350	10/2023
BLADE Truck Mounted Attenuator TL-3 16,100 – 21,000 lbs	Verdegro, USA LLC	MASH	10/2021
MPS-350- Truck Mounted Attenuator - (TMA) TL-3 16,100 - 21,000 lbs	Trinity Highway Products, LLC	350	10/2023
RENCO Rengard 815 TL-2 16,100 - 26,400 lbs	Renco Inc., Texas	350	10/2023
Safe-Stop Mounted Attenuator TL-3, 16,100 - 21,000 lbs	Energy Absorption Systems, Inc.	350	10/2023
Safe-Stop Trailer-Mounted Attenuator TL-3, 16,100 - 54,000 lbs	Energy Absorption Systems, Inc.	350	10/2023
Scorpion II Truck Mounted Attenuator TL-3 15,000 lbs – no maximum	TraFFix Devices, Inc.	MASH	10/2022
Scorpion II Trailer-Mounted Attenuator TL-3 16,100 lbs – no maximum	TraFFix Devices, Inc.	MASH	10/2022
Scorpion 10,000 A TL-2 16,100 - 26,400 lbs	TraFFix Devices, Inc.	350	10/2023
Scorpion 10,000 B TL-3 16,100 -54,000 lbs	TraFFix Devices, Inc.	350	10/2023
Scorpion 10,000 C TL-3 16,100 -54,000 lbs	TraFFix Devices, Inc.	350	10/2023

* Allowable support truck weight

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Truck and Trailer Mounted Attenuators Continued

Product Name*	Manufacturer	350/MASH	Re-Authorization
Scorpion Trailer-Mounted Attenuator TL-3, 16,100 - 54,000 lbs	Traffix Devices, Inc.	350	10/2023
TTMA100 Trailer Mounted Attenuator (TMA) TL-3 16,100 - 54,000 lbs	Gregory Highway Products	350	10/2023
Vorteq Trailer Truck Mounted Attenuator (TMA) TL-3 16,100 - 54,000 lbs	Energy Absorption Systems, Inc.	350	10/2023

* Allowable support truck weight

Miscellaneous

Product Name	Manufacturer	350/MASH	Re-Authorization
Break-Safe Sign Support System	Transpo Industries, Inc.		10/2020
Ericsson Concrete Signpost Foundation for square tubular signposts	Ericsson Manufacturing		10/2020
King MASH Composite Block, 8-inch	Trinity Highway Products, LLC	MASH	10/2023
King MASH Composite Block, 12-inch	Trinity Highway Products, LLC	MASH	10/2023
King Size King Block Terminal Post Thrie beam	Trinity Highway Products, LLC	350	10/2023
Model B525 without Hinge Point	Transpo Industries, Inc.		10/2020
Mondo Block Model MGS14SH 12-in block	Mondo Polymer Technologies	MASH	04/2022

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Miscellaneous Continued

Product Name	Manufacturer	350/MASH	Re-Authorization
Mondo Blocks Models TB 21SH TB21U Thrie beam block	Mondo Polymer Technologies	350	04/2021
Pole-Safe Coupler Breakaway 4000 series 5000 series	Transpo Industries, Inc.		10/2020
Redi-Torque Slip Base System, Model 280 Breakaway	Xcessories Squared Development & Mfg., Inc.		10/2020
Type B call box			10/2020
Type F call box			10/2020
V-Loc sign and Mailbox Anchoring System Breakaway	TAPCO		10/2020

Bridge Rails: REFER TO STANDARD PLANS