

California Department of Transportation
Authorized Material List
for
Highway Safety Features

9/16/19

Permanent Crush Cushions

Product Name	Manufacturer	350/MASH	Re-Authorization
QUADGUARD M10 (TL-3) 24-inch	Energy Absorption Systems, Inc.	MASH	10/2020
SCI-100GM (TL-3)	Work Area Protection Corp	MASH	10/2020
SCI-70GM (TL-2)	Work Area Protection Corp	MASH	10/2025

Temporary Crash Cushions

Product Name	Manufacturer	350/MASH	Re-Authorization
ABSORB 350 TL-2, (5 element) ABSORB 350 TL-3 (8 & 9 Element) temporary use only	Barrier Systems, Inc.	350	10/2019
ACZ-350 Anchorless Crash Cushion CZ System TL-3 temporary use only	Energy Absorption Systems, Inc.	350	10/2019
ADIEM II TL-3 temporary use only	Trinity Highway Products, LLC	350	10/2019
Crash Guard CC-48 Sand Barrels TL-2, TL-3 temporary use only	Plastic Safety Systems, Inc.	350	10/2019
ENERGITE 111 System TL-2, TL-3 - temporary use only	Energy Absorption Systems, Inc.	350	10/2019
NEAT TL-2, NEAT 2B NEAT 2C temporary use only	Energy Absorption Systems, Inc.	350	10/2019
QUADGUARD II CZ on a plate 2-bay, 5-bay temporary use only	Energy Absorption Systems, Inc.	350	10/2019
QUADGUARD CZ 2-bay, 5-bay temporary use only	Energy Absorption Systems, Inc.	350	12/2019
SLED TL-2, TL-3 temporary use only	TraFFix Devices, Inc.	350	10/2019
TraFFix Barrels TL-2, TL-3 temporary use only	TraFFix Devices, Inc.	350	10/2019

End treatments /Guardrail

Product Name	Manufacturer	350/MASH	Re-Authorization
Soft-Stop In-Line Guardrail Terminal TL-2, TL-3	Trinity Highway Products, LLC	MASH	10/2020
MASH Sequentially Kinking Terminal TL-3	Roads Systems, Inc. (RSI)	MASH	10/2020
MAX-Tension™ In-Line Guardrail Terminal TL-3	Barrier Systems, Inc.	MASH	10/2020

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Median Terminals

Product Name	Manufacturer	350/MASH	Re-Authorization
X-Tension Median	Barrier Systems, Inc.	350	10/2019
FLEAT – MT TL-3	Roads Systems, Inc. (RSI)	350	10/2019
CAT-350 TL-3 (median terminal)	Trinity Highway Products, LLC	350	10/2019
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	10/2019
ArmourGuard Steel Barrier Link System TL-3, 8 m segments	Barrier Systems, Inc.	350	10/2019
Barrier Gate TL-3, BG1.5	Energy Absorption Systems, Inc.	350	10/2019
Barrier Guard 800	Highway Care	350	10/2019
Brifen Wire Rope Safety Fence System (TL-3) 3-rope, 10.5-ft post spacing and 8-ft post spacing	Brifen U.S.A., Inc.	350	10/2019
Brifen Wire Rope Safety Fence system 4-rope, 10.5-ft post spacing	Brifen U.S.A., Inc.	350	10/2019
Brifen Wire rope Safety Fence System (TL-4) 4-rope, 21-ft. post spacing	Brifen U.S.A., Inc.	350	10/2019
Bullnose Non Proprietary TL-3	Barrier Median	350	10/2019
CASS and Cable Terminal System (TL-3) 3-rope, 10-ft. post spacing, 16-ft post spacing	Trinity Highway Products, LLC	350	10/2019
CASS S3 4:1 4-rope, 10.5-ft. post spacing TL-3, TL-4	Trinity Highway Products, LLC	350	10/2019
CASS TL-4 Cable Barrier System 3-rope, 20-ft. post spacing	Trinity Highway Products, LLC	350	10/2019
Concrete Reactive Tension system (CRTS) TL-3	Barrier Systems, Inc.	350	10/2019

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Barriers Continued

Product Name	Manufacturer	350/MASH	Re-Authorization
GPLINK portable barrier railing TL-3	Gunnar Prefab AB	350	10/2019
Guardian Safety Barrier TL-2	Armorcast Products , CO.	350	10/2019
JJ Hooks Bolted down, Pinned down Precast Concrete Barriers	Easi-Set Industries	MASH	10/2021
Nucor Nu-Cable 4-Cable TL-3, TL-4 terminal NOT APPROVED	Nucor Steel Marion, Inc.	350	10/2019
Safence II Median Barrier (TL-3) 4-rope, 8-ft-2-in. post spacing	Gregory Industries	350	10/2019
SAFENCE Cable Guardrail (TL-3) 4-cable, 8.2-ft. post spacing	Impact Absorption Inc.	350	10/2019
Steel Reactive Tension System (SRTS) TL-3	Barrier Systems, Inc.	350	10/2019
Low-Profile Concrete Road Barrier and End-Treatment Non Proprietary TL-2	Licensed by Texas Transportation Institute	350	10/2019
ZoneGuard Standard and Minimum Deflection Systems TL-3	Hill and Smith, Inc.	MASH	10/2021

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Truck Mounted Attenuators

Product Name*	Manufacturer	350/MASH	Re-Authorization
Alpha 70K (TMA) TL-2 16, 100-26, 400 lbs	Energy Absorption Systems, Inc.	350	10/2019
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	10/2019
RENCO Rengard 815 TL-2, 16,100 - 26,400 lbs	Renco Inc., Texas	350	10/2019
Safe-Stop Mounted Attenuator TL-3, 16,100 - 21,000 lbs	Energy Absorption Systems, Inc.	350	10/2019
Safe-Stop Trailer-Mounted Attenuator TL-3, 16,100 - 54,000 lbs	Energy Absorption Systems, Inc.	350	10/2019
Scorpion 10,000 A TL-2, 16,100 - 26,400 lbs	TrafFix Devices, Inc.	350	10/2019
Scorpion 10,000 B TL-3, 16,100 -54,000 lbs	TrafFix Devices, Inc.	350	10/2019
Scorpion 10,000 C TL-3, 16,100 -54,000 lbs	TrafFix Devices, Inc.	350	10/2019
Scorpion Trailer-Mounted Attenuator TL-3, 16,100 - 54,000 lbs	TrafFix Devices, Inc.	350	10/2019
TTMA100 Trailer Mounted Attenuator (TMA) TL-3, 16,100 - 54,000 lbs	Gregory Highway Products	350	10/2019
Vorteq Trailer Truck Mounted Attenuator (TMA) TL-3, 16,100 – 54,000 lbs	Energy Absorption Systems, Inc.	350	10/2019

* Allowable support truck weight

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Miscellaneous

Product Name	Manufacturer	350/MASH	Re-Authorization
Ericsson Concrete Signpost Foundation for square tubular signposts	Ericsson Manufacturing		10/2019
King King Block Terminal Post Thrie beam	Trinity Highway Products, LLC		10/2020
Modified King Block 8-in block	Trinity Highway Products, LLC		10/2020
Mondo Block 8-in block	Mondo Polymer Technologies		04/2020
Mondo Block Model MGS14SH 12-in block	Mondo Polymer Technologies		04/2020
Mondo Blocks Models TB 21SH, TB21U Thrie beam block	Mondo Polymer Technologies		04/2020
P-Block 8-inch Guardrail Block	Monroeville Industrial Molding		04/2020
P-Block MGS 12-in Guardrail Block	Monroeville Industrial Molding		04/2020
Pole-Safe Coupler Breakaway 4000 series 5000 series	Transpo Industries, Inc.		10/2019
Redi-Torque Slip Base System, Model 280 Breakaway	Xcessories Squared Development & Mfg., Inc.		10/2019
Break-Safe Sign Support System	Transpo Industries, Inc.		10/2019
Model B525 without Hinge Point	Transpo Industries, Inc.		10/2019
Type B call box			10/2019
Type F call box			10/2019
V-Loc sign & Mailbox Anchoring Sys Breakaway	TAPCO		10/2019

Bridge Rails: REFER TO STANDARD PLANS