

Type E End Treatment
Traffic Barrier End Treatments

List of Qualified Products

Product	Producer	Approval Date	Recertification Date	Permanent	Temporary	NCHRP 350	MASH 2016	Model Number	Test Level
Delta™ Crash Cushion	TrafFix Devices, Inc.	4/8/2021	02/28/2029	Yes	Yes		Yes		
QUADGUARD CZ	Valtir, LLC	10/07/2014	03/31/2025		Yes	Yes		N/A	TL-3
QUADGUARD II	Valtir, LLC	03/20/2009	03/31/2025	Yes	Yes	Yes		N/A	TL-3
QUADGUARD.	Valtir, LLC	06/21/1996	03/31/2025	Yes	Yes	Yes		N/A	TL-3
QUEST	Valtir, LLC	02/17/2005	03/31/2025	Yes	Yes	Yes		N/A	TL-3
SCI SMART CUSHION	Hill & Smith Inc.	07/10/2017	07/30/2025	Yes	Yes		Yes	SCI100GM	TL-3
TAU-II	Barrier Systems, Inc.	09/14/2001	03/31/2025	Yes	Yes	Yes		Universal II	TL-3
TAU-II R	Barrier Systems, Inc.	08/18/2011	03/31/2025	Yes	Yes	Yes		Universal II R	TL-3
TAU-M	Barrier Systems, Inc.	05/21/2019	05/31/2024	Yes	Yes		Yes	Universal TAU-M	TL-3
TRAFFIX COMPRESSOR ATTENUATOR	TrafFix Devices, Inc.	02/14/2013	03/31/2025		Yes	Yes		55000 Series	TL-3
TRINITY ATTENUATING CRASH CUSHION (TRACC)	Valtir, LLC	11/13/1998	03/31/2025	Yes	Yes	Yes		TRACC	TL-3
X-TEN	Barrier Systems, Inc.	04/25/2012	03/31/2025	Yes	Yes	Yes		X-TENUator System	TL-3

NOTE: Products listed under "NCHRP350 Products" section are applicable when there are no MASH 2016 products available that fit the project's context. Products may be used as approved by the Engineer of Record. The Engineer of Record refers to a Project's design Engineer or plan sheet approver who is a Licensed Engineer in the field of design and MASH implementation. Type J can be used where E is needed. However, Type E cannot be used for a situation where a J is needed.