

**COLORADO DEPARTMENT OF TRANSPORTATION
PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY**

APL Reference No.
2669-24 USE ONLY

Product Evaluation Coordinator Colorado Department of Transportation 4670 North Holly Street, Unit A Denver, Colorado 80216	Material Code 614.07.02.00	CDOT Use Only
	Material Code description full name Impact Attenuator	CDOT Use Only

PART 1

Product name: SCI100GM TL-3	Product category: Roadway Safety\Crash Cushion\Impact Atten.\Low Mnt. Perm.
Product Representative (name & address): Attn: Kirk Evans Roadsafe Traffic Systems 7909 S. Chambers Rd. Englewood CO. 80112 Phone: (303) 467-2162 E-mail:	Manufacturer (name & address): Attn: Cecil Brown Hill and Smith 987 Buckeye Park Road Columbus, OH 43207 Phone: (614) 340-6296 E-mail: cecil.brown@hillandsmith.com
Web-site address: www.roadsafetraffic.com	Web-site address: www.hillandsmith.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
 The SCI Smart Cushion SCI100GM is a test level 3 (TL3) fully redirective, bi-directional, low-maintenance impact attenuator. It is a speed dependent system using a hydraulic cylinder with cable apparatus to absorb the energy of the vehicle. Because of the variable force nature of our design, the other frontal impacts will easily pass and are not necessary. This exact attenuator has been used in Colorado for many years.

Restrictions, (installation and/or use):
Transition panels are required for reverse direction traffic and hazards wider than 24".

Use of the product, (be specific to CDOT highway activities only):
Use to protect hazards such as bridge piers, concrete barrier and guardrail ends.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
 The Smart cushion is delivered fully assembled on a robust skid frame that can be easily positioned for installation. There is no field assembly needed and the anchoring locations are easy to access. The typical system reset after an impact is less than 30 minutes with reduces worker exposure. CDOT has installed (and maintained) the Smart Cushion throughout most of Colorado. No special tools or equipment is needed to install, repair or maintain the Smart Cushion.

Specifications: (listing those applicable is required)
 CDOT : **614.07**
 ASTM :
 AASHTO: **MASH 16**
 FHWA :
 other :

Certificate of Compliance (COC) provided Certificate of Verification (COV) provided for select categories ONLY

Product Testing: (National/independent laboratories or universities with Report Date.) **Certified Test Report (CTR)** provided to validate all claims.
 NTPEP-AASHTO:
 FHWA :
 other : **AASHTO MASH 16**
 other :
 other :

State DOT Approvals, (current documentation required): **Expiration Date** **5 Years** **06/05/2029**

Sample submitted: yes no n/a Safety Data Sheets (SDS): yes no n/a

Alternate Product Category:

CDOT Product RESTRICTIONS by CDOT Evaluator:
 May be used for locations appropriate for MASH TL-3 applications. For permanent locations and temporary applications.
 Installation of SCI100GM shall be carried out fully in accordance with the Design, Installation and Maintenance manual.

Evaluators Signature:
 David L. Kosmiski
 Digitally signed by David L. Kosmiski
 Date: 2024.06.05 12:32:30 -06'00'