

Pre-Approved Product Evaluation Request & SummaryCDOT USE ONLY
5692-25

Product Evaluation Coordinator Colorado
Department of Transportation 4670 North Holly
Street, Unit A Denver, Colorado 80216

Material Code

630.08.04.00

CDOT Use Only

Material Code description full name

Crash Cushion

CDOT Use Only

Part 1

Product Name:

TAU-XR

Product category:

Roadway Safety\Crash Cushion\Impact Attenuator, Low Maint Permanent

Product Representative / Distributer (name & address):

Larry Savage

Manufacturer (name & address):

Sean Brockhouse

Lindsay Transportation Solutions, LLC.
18135 Burke St., Omaha NE 68022

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Phone: **(916) 474-9644** E-mail: **larry.savage@lindsay.com**Phone: **(402) 829-6800** E-mail: **sean.brockhouse@lindsay.com**Web-site address: **www.lindsay.com**Web-site address: **www.lindsay.com****Description of the product:** (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)

The TAU-XR™ is a low maintenance fully redirective, non-gating crash cushion designed to meet the latest test standards defined in the Manual for Assessing Safety Hardware (MASH), Second Edition, 2016 for Test Level 3 impacts. The TAU-XR system utilizes a rigid rail anchoring system, a backstop, a front support, 6 mid-supports and 14 telescoping three-beam side panels to form 7 collapsible bays. The bays are equipped with varying arrays of crushable aluminum tubes designed to absorb the kinetic energy and safely contain vehicles during head on impacts while the side panels safely redirect vehicles during side impacts. The system has a nominal 32 1/4" height, a 34 3/16" width except for at the front nose, which is 36" wide, and a length of 282 3/4". The system was designed and tested to safely shield hazards up to 30" wide, but can offer additional protection to cover hazards 52" wide when used with tested transitions.. The system is designed for with a focus on being quickly repaired after it has been impacted with minimal replacement parts.

Restrictions, (installation and/or use):

The TAU-XR is not suitable for installation on dirt. TAU-XR is designed to protect the ends of longitudinal barriers & other roadside hazards in locations where a low maintenance redirective non-gating system is required.

Use of the product, and Benefit to CDOT(be specific to CDOT highway activities only):

Energy absorbing tubes make resetting impacted systems quick and easy. All fasteners and anchors are able to be accessed easily after an impact, allowing for ease of repair after a variety of impact scenarios. The user is able to recycle energy absorbing tubes after a system repair. New Product as of Feb 2024 - approved in multiple states.

Specifications: (listing those applicable is required)

- ☒ CDOT : **630.08**
☒ ASTM : **A123**
☒ AASHTO: **MASH 2016 TL-3**
☐ FHWA :
☐ other :
☐ Certificate of Compliance (COC) provided ☒ Certificate of Verification (COV) provided for select categories

Product Testing: (National/independent laboratories or universities with Report Date.) **Certified Test Report (CTR)** provided to validate all claims.

- ☐ AASHTO-PEAS (NTPEP) :
☐ FHWA :
☐ other :
☐ other :
☐ other :

State DOT Approvals: **PN,DLW,MINN,TX,NM,CA,IL****Expiration Date 3 Years** CDOT use **02/25/2028**Sample Submitted ☐ Yes ☒ No ☐ N/A Safety Data Sheets (SDS): ☐ Yes ☐ No ☒ N/A

Alternate Product Category

CDOT Restrictions as per CDOT Approving Authority

Evaluators Signature:

The TAU-XR and the TAU-XR Wide Hazard Extension installation manual must be available to, and complied with, by the person(s) overseeing and/or assembling the crash cushion system at all times. TAU-XR system must be installed on a concrete pad. Tested for MASH 2016 TL-3. Design to shield hazards up to 30" wide, with no transition. Transitions available to shield hazards between 30in-38in, 38in-45in, and 45in-52in.

David L. Kosmiski
Digitally signed by David L. Kosmiski
Date: 2025.02.25 14:40:35 -07'00'