

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

Material Code

606.02.03.00

CDOT Use Only

Material Code description full name

Guardrail, End Treatment

CDOT Use Only

## PART 1

Product name: <b>MAX-Tension Median</b>	Product category: <b>Roadway Safety\Crash Cushion\Guardrail Median Terminal</b>
Product Representative (name & address): Attn: <b>Larry Savage</b>  <b>Lindsay Transportation Solutions, LLC</b> <b>180 River Road</b> <b>Rio Vista, CA 94571</b> Phone: (916) 474-9644 E-mail: <a href="mailto:larry.savage@lindsay.com">larry.savage@lindsay.com</a>	Manufacturer (name & address): Attn: <b>Sean Brockhouse</b>  <b>Lindsay Transportation Solutions, LLC</b> <b>18135 Burke Street, Suite 100</b> <b>Omaha, NE 68022</b> Phone: (402) 829-6808 E-mail: <a href="mailto:sean.brockhouse@lindsay.com">sean.brockhouse@lindsay.com</a>
Web-site address: <a href="http://www.lindsay.com">www.lindsay.com</a>	Web-site address: <a href="http://www.lindsay.com">www.lindsay.com</a>

**Description of the product:** (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)

The MASH compliant MAX-Tension™ Median end terminal, with Sabertooth technology is a telescoping, tension-based guardrail end terminal with an energy absorbing coupler that features a cutting tooth design. When the system is impacted head-on, the Sabertooth is engineered to cut the downstream guardrail to aid in the deceleration of an errant vehicle. When a side impact occurs, tension cables can help safely redirect a motorist away from the hazard. The MAX-Tension Median terminal utilizes standard guardrail components for significant savings in inventory and maintenance costs. In addition, a majority of smart-parts are interchangeable within the MAX-Tension family of end terminals to lower inventory costs even further.

Classification - Redirective Gating, System Length - 27', Effective Length - 50', System Width - 28.5", Impact Head Width - 30", Impact Head Weight - 99lb.

**Restrictions,** (installation and/or use):

Like all end terminals, the MAX-Tension should be inspected 2 times a year to ensure system is ready to be impacted.

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

All median guardrail end terminal applications

**Benefits to CDOT,** (how will your product enhance quality, improve safety, save money, be a better value than other manufacturer's products):

MASH TL-3 tested; Tension-based cables control deceleration and increase re-directive performance; Sabertooth technology increases energy absorbing capacity and weakens the downstream guardrail to help reduce the severity of impacts. Available as a kit or full system, utilizes standard guardrail panels, posts and components after post 1 for significant savings in inventory and maintenance costs.

**Specifications:** (listing those applicable is required)

- ☒ CDOT : 606.03
- ☒ ASTM : A-36, A-123, A1011, A1136/M, A29 and A322
- ☒ AASHTO : M 270 / M 270M grade 36
- ☒ FHWA : MASH TL-3
- ☐ 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 : MASH TL-3 HSST-1/ CC-141, 01/10/2018; MASH TL-3 HSST-1/CC-141 A 12/17/2018
- ☒ other : Safe Technologies, LLC Crash Test Services
- ☐ other :
- ☐ other :

**State DOT Approvals,** (current documentation required):

Expiration Date **5 Years 02/24/2030**

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

Alternate Product Category: **Roadway Safety\Guardrail W-Beam\Guardrail End Treatment**

**CDOT Product RESTRICTIONS by CDOT Evaluator:**

The MAX-Tension manual must be available to, and followed by, the person(s) overseeing and/or assembling the guardrail terminal system at all times. Product shall not be installed on a curved guardrail section. Tested for MASH TL-3.

**Evaluators Signature:**

David L.  
Kosmiski

Digitally signed by David L.  
Kosmiski  
Date: 2025.02.24 09:45:52  
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