

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

Material code:

630.08.04.00

Material code description full name:

Traffic Zone, Non-Mobile Attenuator

PART 1

Product name: ABSORB 350	Product category: TC\Crash Cushion,Temp\Impact Attenuator,[Temp.-Const.]
Product Representative (name & address): Attn: Larry Savage Lindsay Transportation Solutions / Barrier Systems 180 River Road Rio Vista, CA 94571 Phone: (916) 474-9644 E-mail: larry.savage@lindsay.com	Manufacturer (name & address): Attn: Tony Smiley Lindsay Transportation Solutions / Barrier Systems 180 River Road Rio Vista, CA 94571 Phone: (402) 201-4593 E-mail: tony.smiley@lindsay.com
Web-site address: www.barriersystemsinc.com	Web-site address: www.barriersystemsinc.com

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

The Absorb 350 System consists of three components: nose assembly, interchangeable modules, and the transition. Absorb 350 has been successfully tested to meet the requirements of NCHRP Report 350 TL-2 and TL-3. It is a non-redirective, gating, water filled crash cushion. The system is approved for attachment to permanent or portable concrete barrier. The cartridges are made of high density polyethylene. All steel structural elements are galvanized to ASTM-123. Each separate element of the interchangeable module is 2 inches wide, 32 inches tall and 39-1/2 inches long, and weighs 110 lbs empty and 717 lbs when filled with water. The steel attachment transition hardware weighs approximately 175 lbs and is connected to the hard point using two through bolts. Quickly installed drop through pins are used to connect each element to another element, to the transition and to the nose piece. The total length of the standard TL-2 (5 element) system is 19' and the TL-3 (9 element) 32'. Configuration chart provides suggested arrays for speeds less than TL-2; between TL-2 and TL-3 and above TL-3 to 75 mph. System requires no foundation and can be set on virtually any surface including dirt, asphalt, gravel and concrete.

Restrictions, (installation and/or use):

Used only where non-gating system is appropriate; must be used with appropriate anti-freeze protection in climates where water freezing potential exists.

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

Where non-redirective applications are appropriate. Exits, edge of road and wide medians are primary locations where the system is applicable.

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

Quick installation (30 minutes or less) and easy maintenance after impact resulting in reduced crew exposure. Narrow profile (24") reduces potential for impact. Superior performance to sand barrels in protecting narrow hazards. Can be attached to a 12" stick of temporary barrier to protect hard points & damaged guardrail ends. Only system designed to protect temporary & permanent movable barrier. Transfers with the barrier through the Barrier Transfer Machine. Transitions to accommodate virtually any type of barrier currently approved, is available as standard items. A non-standard transition is available to accommodate two barriers coming together to form a single hard point.

Specifications: (listing those applicable is required)

- ☒ CDOT : Safety Selection Guide (Crash Attenuators and End Treatments)
- ☒ ASTM : A-36 and A-123 for steel components; B-209 for nose piece aesthetic cover
- ☒ AASHTO: Roadside Design Guide
- ☒ FHWA : NCHRP Report 350 Test Level 2 and Test Level 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 : Acceptance Letters: HSA-CC66 (5-11-2000), HSA-CC66A (6-27-2000), HSA-10/CC66B (12-09-2003)

☐ other : Safe Technologies, Inc. (February 2000) (April 2000) (May 2000)

☐ other :

☐ other :

State DOT Approvals, (current documentation required): **AL, CA, ID, NV**

Expiration Date **06/01/2025**

Sample submitted: ☐ yes ☐ no ☒ n/a

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

Alternate Product Category:

Additional Comments:

Currently approved in 45 states. Elements are plastic components with steel side bars and end plate hinge assemblies an evaporation cap with tether to protect fill port and appropriate fasteners. Nose piece has an aluminum skin on the front portion to provide an aesthetic cover and location for attaching appropriate traffic control signing.