



# MASH SLED mini End Treatment



SHEET NO.	DATE:
1 OF 2	4/25/18

## INTENDED USE

The SLED mini is a free standing, non-redirective, gating crash cushion, designed to shield the end of concrete barrier. The SLED mini does not require anchoring to the road surface and can be used on concrete, asphalt, gravel, and dirt surfaces. The SLED mini can be used in TL-2 and TL-1 installations to treat the end of concrete barrier. The SLED mini system consists of four main components: two yellow water filled modules, one Containment Impact Sled (CIS), and one transition. The SLED mini system consists of two water filled modules with the front module connected to the steel CIS. The water filled modules weigh approx. 1100 lbs (500 kg) when filled. The SLED mini's yellow water filled modules contain a fill lid, which incorporates a pop-up float water level indicator for identifying that modules are filled to the appropriate level. When modules are pinned together there are a total of eight knuckles aligned with the steel t-pin inserted. At the front of the SLED mini system is the steel CIS that is connected to the front yellow water filled module. Bolted to the front impact face on the CIS is the directional indicator panel. The directional indicator panel is a square sheet of plastic that contains gore point directional sheeting on one side and left, or right, directional sheeting on the opposite side. This allows the user to convert the panel to the proper direction when installing the SLED. The directional indicator panel contours to the curved shape on the front impact face on the CIS and is secured by six bolts. Other directional sheeting and markings are available. The SLED mini is attached to the barrier using two transition panels attached to both sides of the concrete barrier. The SLED mini transition is made of three main components: one steel transition frame and two symmetric transition panels. The transition frame is positively connected to the rear most water filled module through the vertically aligned concentric holes in the knuckles using a steel t-pin. The transition panels are pinned to the transition frame using outboard alignment pins designed into the transition frame. The transition panels are attached to the barrier using a minimum of four mechanical fasteners per side. A minimum of eight fasteners are required to attach the SLED to the barrier.

SLED mini End Treatment for Concrete Barrier  
Length: 12.0 ft (3.7 m) long (pin to pin)  
Height: 32 in (0.83 m)  
Width: 23 in (0.58 m)

The SLED mini End Treatment for attachment to concrete barrier has been fully tested to the procedures of MASH.

## ELIGIBILITY

FHWA Eligibility Letters:

## CONTACT INFORMATION

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2 OF 2

4/25/18

**TraFFix  
Devices Inc.**

