

California Department of Transportation

DIVISION OF SAFETY PROGRAMS
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July 14, 2023

Mr. Christopher Jaime
TraFFix Devices, Inc.
160 Avenida La Pata
San Clemente, CA 92673

Dear Mr. Jaime:

The Delta Crash Cushion (Delta™) is approved for use on California State Highways at test level 3 (TL-3). This approval was recommended by the California Department of Transportation's (Caltrans) Highway Safety Features New Products Committee (HSFNPC), based on the information you provided indicating the device complied with the requirements of the Manual for Assessing Safety Hardware 2016 (MASH16). The Federal Highway Administration accepted the Delta™ at TL-3 on June 17, 2021 (HSST/CC-167).

The Delta™ is a narrow re-directive, and non-gating crash cushion intended to shield roadside hazards which can be used in unidirectional installations and bi-directional installations with a transition. All installations of the Delta™ are on 6" reinforced concrete or 8-inch-thick unreinforced concrete pad on surfaces that are 10:1 or flatter. The Delta™ is 21 feet in length and has an overall width of 30.1 inches and a height of 31.4 inches. It consists of a nose assembly, three bays, a tension strut backup, and the monorail guide system. It can be used to shield objects that are 23 inches or less in width without a transition.

The Delta™ Crash Cushion will be included on the Caltrans Authorized Materials List and will be an alternative to other MASH16 compliant crash cushions. Reference Manual 75205 Revision A4 March 16, 2023, and Drawing number DELTA-CA-RA (Sheets 1 and 2) as the approved plan sheets for Caltrans use. If the device, the drawing, or the manual are modified, the change(s) must be resubmitted to Caltrans HSFNPC for review and approval. Any changes to the product must result in a product that still meets MASH16 standards.

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If you have any questions, please contact Yu-Ying Chu, HSFNPC Chair at (916) 639-6136 or by email at < yu-ying.chu@dot.ca.gov >.

Sincerely,

A handwritten signature in black ink, appearing to read 'Yue Wang', with a stylized flourish at the end.

Yue Wang, Chief
Office of Safety Systems and Devices
Division of Safety Programs

c: Yu-Ying Chu, Chair, Highway Safety Features New Products Committee