

MASH 2016 Implementation - End Treatment Field Guide

Here you will find information on end treatment products either on the current QPL or previous QPLs, for which products are still in service.

NCHRP 350 Approved End Treatments

[MASH 2016 Manual](#) (PDF, 18 MB) [IDR Instructions](#) (PDF, 250 KB) [IDR](#) (Excel, 50 KB) [IDR](#) (PDF, 150 KB) [Math/Measurement Tables](#) (PDF, 600 KB)

W-beam / one-sided / flared (Type B)
(12/27/2019)

FLEAT

- [Installation Manual](#) (PDF, 1.3 MB)
- [Technical Drawing \(Wood Post\)](#) (PDF, 300 KB)
- [Product Photo](#) (PDF, 150 KB)

FLEAT-SP (Std Post)

- [Installation Manual](#) (PDF, 1.7 MB)
- [Technical Drawing \(Std Post\)](#) (PDF, 300 KB)
- [Technical Drawing \(Hinged Post\)](#) (PDF, 350 KB)
- [Product Photo](#) (PDF, 150 KB)

SRT-350 (Slot Rail Terminal) (PDF, 3.3 MB)

- [Installation Manual](#) (PDF, 700 KB)
- [6 Post Assembly](#) (PDF, 300 KB)
- [8 Post Assembly](#) (PDF, 400 KB)

X-TENSION (PDF, 400 KB)

- [Installation Manual](#) (PDF, 3.8 MB)

W-beam / one-sided / parallel (Type C)
(1/17/2020)

No NCHRP 350 approved products

Two-sided & crash cushions (Type D,E,F,J)
(3/17/2020)

FLEAT-MT (Median Terminal Type D)

- [Installation Manual](#) (PDF, 450 KB)
- [Technical Drawing \(Steel Post\)](#) (PDF, 250 KB)
- [Technical Drawing \(Wood Post\)](#) (PDF, 250 KB)
- [Product Photo](#) (PDF, 150 KB)

QuadGuard (Type E) (PDF, 5.3 MB)

- [Installation Manual](#) (PDF, 8.0 MB)
- [Concrete Foundation Specs](#) (PDF, 4.7 MB)

QuadGuard CZ (Type E) (PDF, 400 KB)

- [Installation Manual](#) (PDF, 1.6 MB)

QuadGuard Elite (Type E, J) (PDF, 2.3 MB)

- [Installation Manual](#) (PDF, 2.8 MB)
- [Product Description](#) (PDF, 8.0 MB)

QuadGuard II (Type E) (PDF, 2.6 MB)

- [Installation Manual](#) (PDF, 3.7 MB)
- [Nose Assembly](#) (PDF, 250 KB)

QuadGuard LMC (Type E, J)

- [Installation Manual](#) (PDF, 3.2 MB)
- [Product Photo](#) (PDF, 150 KB)

Quest (Type E) (PDF, 7.7 MB)

- [Installation Manual](#) (PDF, 6.8 MB)
- [Product Description](#) (PDF, 4.3 MB)
- [Concrete Foundation Specs](#) (PDF, 5.0 MB)

Two-sided & crash cushions (Type D,E,F,J)
(3/17/2020)

REACT 350 (Type E, J) (PDF, 2.5 MB)

- [Installation Manual](#) (PDF, 3.4 MB)
- [Product Description](#) (PDF, 2.2 MB)
- [Concrete Foundation Specs](#) (PDF, 5.0 MB)

TAU-II (Type E) (PDF, 1.4 MB)

- [Installation Manual](#) (PDF, 11.4 MB)
- [Product Specs](#) (PDF, 50 KB)

TAU-II-R (Type E, J) (PDF, 1.1 MB)

- [Installation Manual](#) (PDF, 2.1 MB)
- [Product Specs](#) (PDF, 100 KB)

TRACC (Type E) (PDF, 2.4 MB)

- [Installation Manual](#) (PDF, 6.3 MB)
- [Concrete Foundation Specs](#) (PDF, 5.0 MB)

Traffic Compressor Attenuator

- Awaiting Recertification

X-TENUATOR (PDF, 350 KB)

- [Installation Manual](#) (PDF, 3.2 MB)
- [Product Specs](#) (PDF, 100 KB)

X-TENSION - Median (Type D, F) (PDF, 2.5 MB)

- [Installation Manual](#) (PDF, 5.4 MB)
- [Installation Checklist](#) (PDF, 150 KB)
- [Technical Drawing](#) (PDF, 450 KB)