



Connecticut DOT

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Office of Engineering

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ENGINEERING DIRECTIVE

Engineering Administrator

MASH Implementation: Additional Information, Phase One

This directive augments [EB-2017-3 \(Interim Guidance: MASH Implementation, Roadside Barriers\)](#), which identified certain requirements for projects with bid opening dates after December 31, 2017 and noted the need for follow-up information. This directive identifies specific resources (e.g., Standard Drawings, contract items) needed to prepare contract documents. Given the scope and timeframe of MASH implementation activities and topics, the Department is reaching out to provide information through other communication channels.

Resources for Construction Contracts

To complete the design and contract documents for the first of three transition phases the following new, MASH compliant, w-beam guiderail Highway Standard Drawings are under review for approval and will be available through the Department's [Standard Drawings web page](#) for use in contracts:

- HW-910_20, MASH W-Beam Hardware
- HW-910_21, Metal Beam Rail (R-B MASH) Guiderail
- HW-910_22, Metal Beam Rail (MD-B MASH) Guiderail
- HW-910_23, Metal Beam Rail (R-B MASH) Half and Quarter Post Spacing
- HW-910_24, Metal Beam Rail Span Section Types II and III
- HW-910_25, Metal Beam Rail Transition 350 to MASH

The following existing Highway Standard Drawings are being modified for MASH implementation and will be available through the Department's [Standard Drawings web page](#) for use in contracts:

- HW-911_01, R-B End Anchorage Type I and II
- HW-911_02, MD-B End Anchorage Type I
- HW-1800_03, Type B Impact Attenuation System (Tangential)

The following new contract items have been added to the Master Bid Item List and are available for use in contracts:

Number	Description
0910300	Metal Beam Rail (R-B MASH Quarter Post Spacing)
0910310	Metal Beam Rail (MD-B MASH)
0910322	Metal Beam Rail Span Section Type II
0910323	Metal Beam Rail Span Section Type III
0910301	Metal Beam Rail (R-B MASH Half Post Spacing)
0910302	Metal Beam Rail (R-B MASH Quarter Post Spacing)
0910351	Convert Metal Beam Rail (R-B 350) to (R-B MASH)
0910352	Convert Metal Beam Rail (R-B 350 SYSTEM 5) to (R-B MASH)
0910353	Convert Metal Beam Rail (R-B 350 SYSTEM 5) to (R-B MASH Half Post Spacing)
0910354	Convert Metal Beam Rail (R-B 350 SYSTEM 5A) to (R-B MASH)
0910355	Convert Metal Beam Rail (R-B 350 SYSTEM 5A) to (R-B MASH Half Post Spacing)
0910356	Convert Metal Beam Rail (R-B 350 SYSTEM 6) to (R-B MASH)
0910357	Convert Metal Beam Rail (R-B 350 SYSTEM 6) to (R-B MASH Quarter Post Spacing)
0910358	Convert Metal Beam Rail (MD-B 350) to (MD-B MASH)
0912900	Reset Metal Beam Rail (R-B MASH)
0912901	Reset Metal Beam Rail (MD-B MASH)

Additional items, if necessary, will be added by submitting a [New Item Request](#) through the Department's [Project Design Submission web page](#). Check the current Master Bid Item List prior to requesting new items.

The Qualified Products List (QPL) currently includes MASH approved products for Type B Impact Attenuation System (Tangential). No MASH tested products are currently available for Flared or Median/Gore Type B Impact Attenuation Systems.

Additional Information on MASH Implementation

The Department has established a webpage to exchange information associated with roadside safety hardware (<http://www.ct.gov/dot/roadsidesafety>) where general questions and answers will be posted. Questions related to roadside safety can be sent to DOT.Guidesail@ct.gov.

The Department will conduct two MASH implementation workshops in Conference Rooms A&B, 2800 Berlin Turnpike, Newington scheduled for:

August 29, 2017, 10:00-12:00, and
September 5, 2017, 10:00-12:00.

Both sessions cover the same material. Seating is limited. Interested persons may register (on a first come, first served basis) for a session by contacting Cathleen Taylor at (860) 594-3275 or (Cathleen.Taylor@ct.gov).