

## ***ENGINEERING DIRECTIVE***

Patricia Leavenworth P.E. (signature on original)

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CHIEF ENGINEER

### **F Shape Concrete Barrier for Permanent Use**

Effective immediately, the standard details for F Shape Concrete Barrier contained in the *MassDOT Highway Division Construction Standard Details* and listed below apply to Precast Concrete Barrier only. These standard details no longer apply to Cast-in-Place Concrete Barrier. Any use of a Cast-in-Place Concrete Barrier system on a MassDOT project or on a MassDOT owned facility must conform to the performance requirements contained in the 2016 edition of the *Manual for Assessing Safety Hardware (MASH)*.

The standard details for F Shape Concrete Barrier are for permanent installations of concrete barrier only and do not apply to temporary installations of portable concrete barrier.

The standard details for F Shape Concrete Barrier conform to MASH performance requirements for permanent installations of Precast Concrete Barrier.

For active construction contracts awarded prior to issuance of this directive, contractors may continue to install Cast-in-Place Concrete Barrier in accordance with the applicable contract plans and specifications.

### **F Shape Concrete Barrier Standard Details**

- 402.10.0 F Shape Concrete Barrier
- 402.11.0 F Shape Concrete Barrier Symmetrical Section Reinforcing Details
- 402.12.0 F Shape Concrete Barrier Asymmetrical Section Reinforcing Details
- 402.13.0 F Shape Concrete Barrier Dowel Details
- 402.20.0 F Shape Concrete Barrier with Concrete Separator
- 402.21.0 F Shape Concrete Barrier with Concrete Separator Reinforcing Details
- 402.22.0 F Shape Concrete Barrier with Concrete Separator Dowel Details