

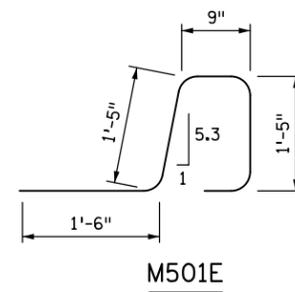
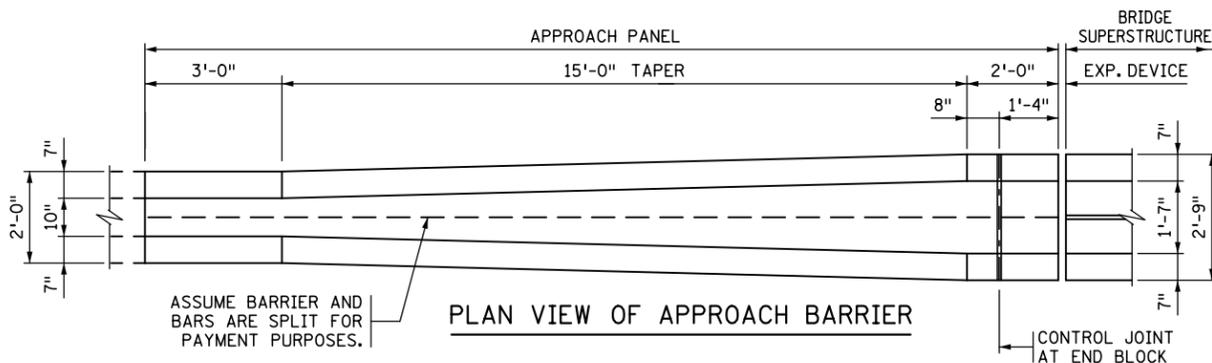
SECTION A-A

DESIGNER NOTE
 (REMOVE PRIOR TO PLOTTING FINAL PLAN):
 VERIFY LENGTH OF BARRIER ON APPROACH PANEL
 WITH ROADWAY DESIGNER. REFER TO MEMO TO DESIGNERS (2016-01)
 FOR ADDITIONAL REQUIREMENTS REGARDING BARRIER PLACEMENT.

DESIGNER NOTE
 (REMOVE PRIOR TO PLOTTING FINAL PLAN):
 AVOID LAYOUTS WITH HORIZONTAL GAP BETWEEN SPLIT
 MEDIAN BARRIERS OF 2" TO 6", AS BARRIERS CANNOT BE
 SLIPFORMED. IF GAP EXCEEDS 6" CONSIDER USING STANDARD
 FIGURE 5-397-138 OR .139 IN LIEU OF THIS STANDARD.

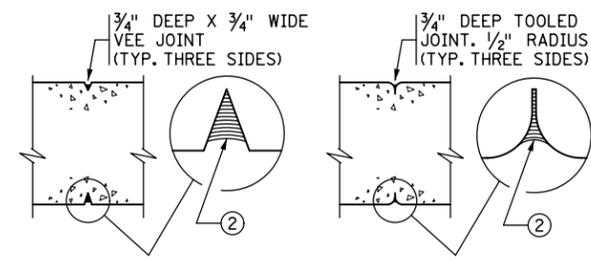
BARRIER ON EACH SIDE MEETS
 NCHRP 350 TL-4 REQUIREMENTS ON
 BRIDGE DECK AND TL-3 ON APPROACH PANEL.

EXPANSION JOINT ④
 EXPANSION DEVICE NOT SHOWN
 CONTROL JOINT
 INSIDE ELEVATION OF BARRIER



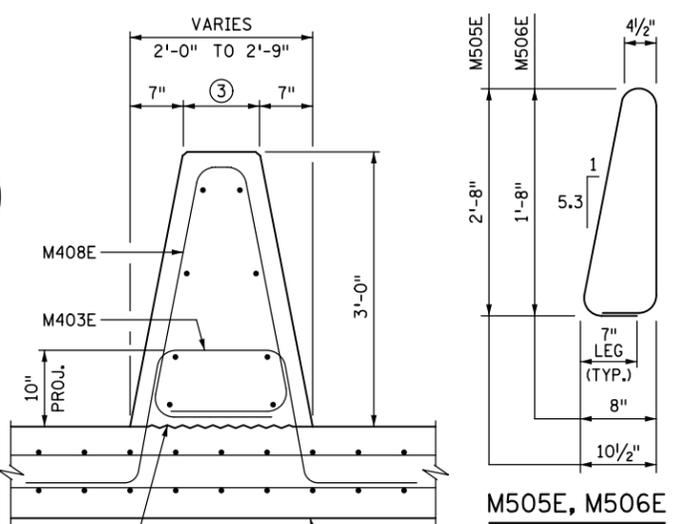
M501E

| BILL OF REINFORCEMENT FOR BARRIER | | | | |
|-----------------------------------|------------|-----------------|-------|------------------|
| BAR | NO. | LENGTH | SHAPE | LOCATION |
| M501E | | 5'-7" | | BARRIER DOWEL |
| M402E | | 7'-7" | | BARRIER DOWEL |
| M403E | SER. OF 14 | 6'-10" TO 7'-6" | | BARRIER DOWEL |
| M404E | | 6'-10" | | BARRIER DOWEL |
| M505E | | 6'-11" | | BARRIER VERTICAL |
| M506E | | 4'-11" | | BARRIER VERTICAL |
| M407E | | 9'-5" | | BARRIER VERTICAL |
| M408E | SER. OF 14 | 8'-9" TO 9'-5" | | BARRIER VERTICAL |
| M409E | | 8'-0" | | BARRIER VERTICAL |
| M4...E | | | | BARRIER LONGIT. |
| M4...E | | | | BARRIER LONGIT. |
| M4...E | | | | BARRIER LONGIT. |
| M4...E | | | | BARRIER LONGIT. |

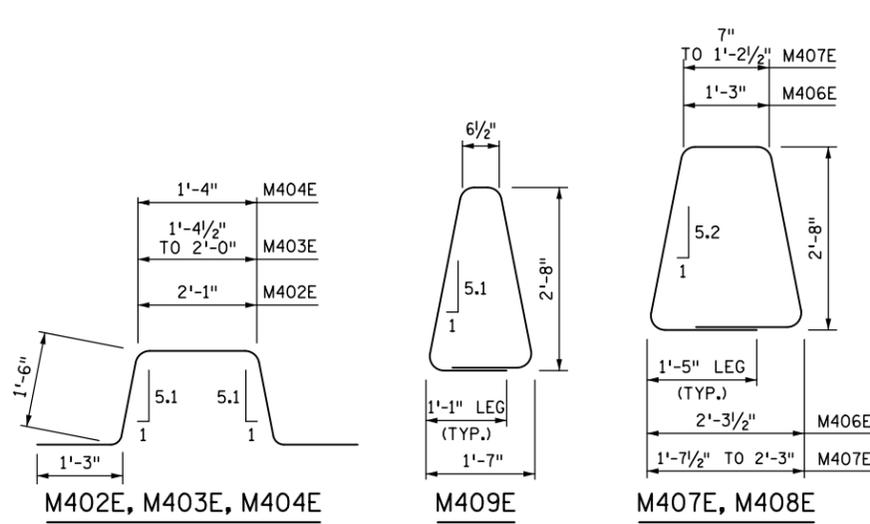


SECTION C-C
 CONTRACTOR OPTION 1
 CONTRACTOR OPTION 2
 CONTROL JOINT DETAILS

WHEN USING SLIP FORM METHOD TO PLACE THE CONCRETE, CUT JOINT 3 INCHES DEEP USING MARGIN TROWEL OR SIMILAR MEANS IMMEDIATELY AFTER CONCRETE PLACEMENT (TYP. THREE SIDES).



SECTION B-B
 CONCRETE APPROACH ROADWAY



M402E, M403E, M404E; M409E; M407E, M408E

- GENERAL NOTES**
- MEASURE PAYMENT LENGTH BETWEEN THE OUTSIDE ENDS OF THE BARRIER FROM THE E8 JOINT. MEASURED LENGTH IS FOR ONE SIDE OF THE SPLIT MEDIAN BARRIER.
 - CONCRETE BARRIER = 469 LBS./FT. (0.116 CU. YDS./FT.) PER SIDE.
 - FINISH ALL EDGES OF BARRIER WITH 1/2" CHAMFER, EXCEPT WHERE OTHERWISE NOTED.
 - SPACE CONTROL JOINTS AT 10 FT. MAXIMUM. REFER TO SUPERSTRUCTURE SHEET FOR SPECIFIC SPACING INFORMATION.
 - BARRIER QUANTITIES ARE LISTED IN SUMMARY OF QUANTITIES FOR SUPERSTRUCTURE.
 - ① PLACE BAR ON TOP OF BOTTOM REINFORCEMENT MAT IN DECK.
 - ② JOINT SEALANT PER MNDOT APPROVED/QUALIFIED PRODUCTS LIST - CRACK AND JOINT MATERIALS - SILICONE JOINT SEALERS.
 - ③ VARIES FROM 10" TO 1'-7".
 - ④ REFER TO "WATERPROOF EXPANSION DEVICE" STANDARD PLANS FOR COVER PLATE DETAILS.

REVISION:
 APPROVED: AUGUST 24, 2016
 Kevin Weston
 STATE BRIDGE ENGINEER

CERTIFIED BY _____
 LICENSED PROFESSIONAL ENGINEER DATE _____
 NAME: _____ LIC. NO. _____

TITLE: SPLIT MEDIAN BARRIER 36"
 (TYPE S, TL-4)
 PARAPET ABUTMENT
 (WITHOUT CONCRETE WEARING COURSE)

DES: _____ DR: _____
 CHK: _____ CHK: _____
 APPROVED: _____
 SHEET NO. OF SHEETS
 BRIDGE NO. _____

FIG. 5-397.144(C)