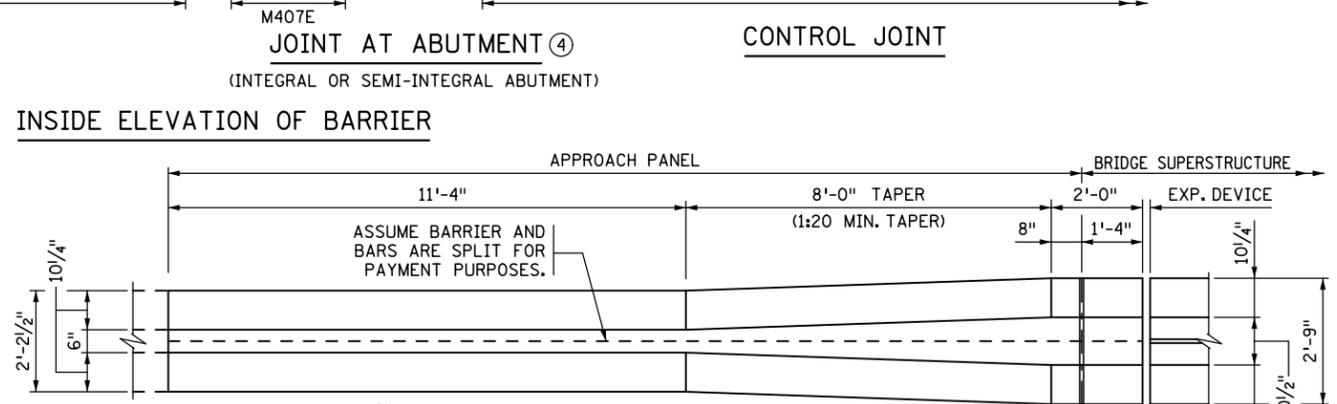


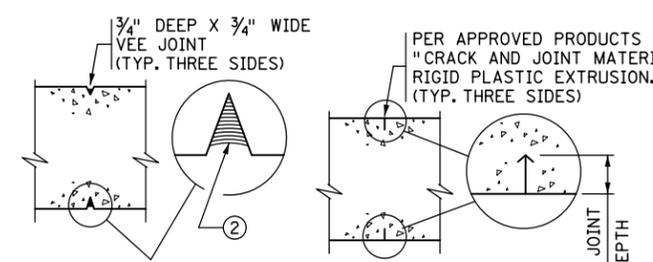
DESIGNER NOTE
 (REMOVE PRIOR TO PLOTTING FINAL PLAN)
 VERIFY LENGTH OF BARRIER ON APPROACH PANEL
 WITH ROADWAY DESIGNER. REFER TO MEMO TO DESIGNERS (2016-01)
 FOR ADDITIONAL REQUIREMENTS REGARDING BARRIER PLACEMENT.

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 5-397-142 OR .143 IN LIEU OF THIS STANDARD.

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



| BILL OF REINFORCEMENT FOR BARRIER | | | | |
|-----------------------------------|-----------|------------------|-------|------------------|
| BAR | NO. | LENGTH | SHAPE | LOCATION |
| M501E | | 5'-7" | | BARRIER DOWEL |
| M402E | 4 | 7'-8" | | BARRIER DOWEL |
| M403E | SER. OF 8 | 7'-1" TO 7'-7" | | BARRIER DOWEL |
| M404E | | 7'-1" | | BARRIER DOWEL |
| M505E | | 9'-2" | | BARRIER VERTICAL |
| M506E | | 7'-0" | | BARRIER VERTICAL |
| M407E | | 11'-11" | | BARRIER VERTICAL |
| M408E | SER. OF 8 | 10'-2" TO 10'-8" | | BARRIER VERTICAL |
| M409E | | 10'-1" | | BARRIER VERTICAL |
| M4_E | | | | BARRIER LONGIT. |
| M4_E | | | | BARRIER LONGIT. |
| M4_E | | | | BARRIER LONGIT. |
| M4_E | | | | BARRIER LONGIT. |



SECTION C-C
 CAST-IN-PLACE CONSTRUCTION

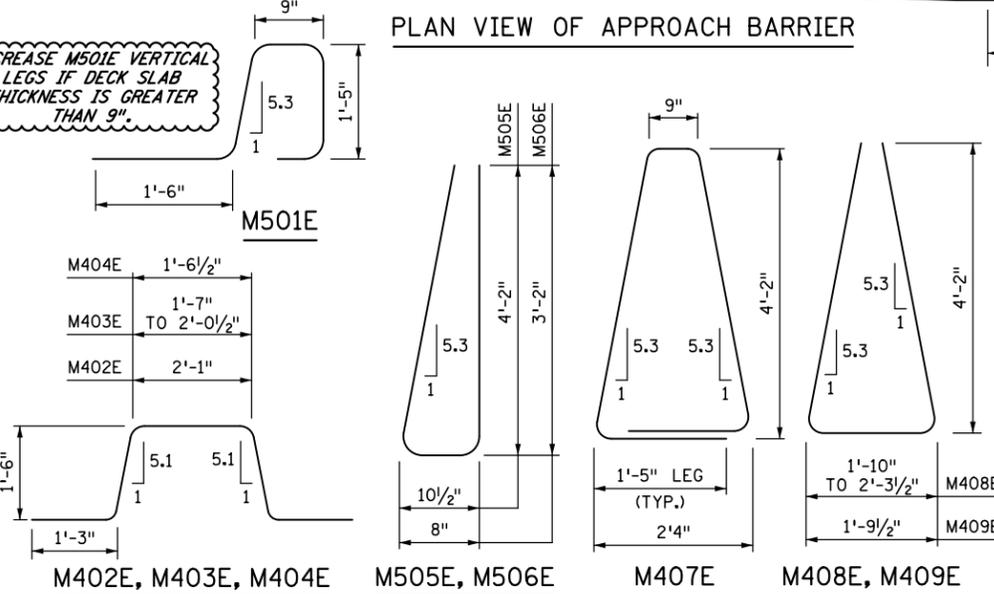
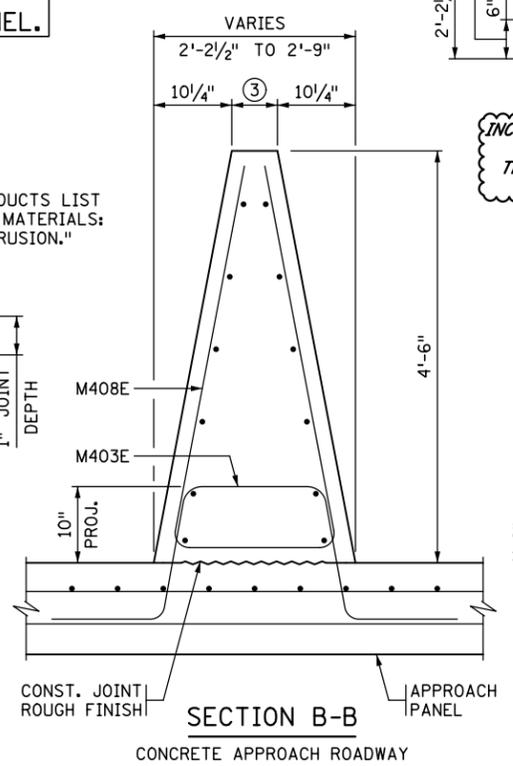
SECTION C-C
 SLIPFORM CONSTRUCTION

CONTROL JOINT DETAILS

FOR SLIPFORM CONSTRUCTION: IMMEDIATELY AFTER CONCRETE IS PLACED AND WHILE IT IS STILL WET, CREATE A ONE INCH STRAIGHT GROOVE USING A TROWEL. INSERT RIGID PLASTIC EXTRUSION INTO GROOVE TO A DEPTH 1/8" BELOW THE SURFACE; FINISH OVER GROOVE COMPLETELY HIDING THE EXTRUSION.

REVISION: MAY 10, 2017

APPROVED: AUGUST 24, 2016
Kevin Weston
 STATE BRIDGE ENGINEER



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 = 612 LBS./FT. (0.151 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 6" TO 1'-0 1/2".
 ④ REFER TO "WATERPROOF EXPANSION DEVICE" STANDARD PLANS FOR COVER PLATE DETAILS.

CERTIFIED BY _____ DATE _____
 LICENSED PROFESSIONAL ENGINEER

NAME: _____ LIC. NO. _____

TITLE: **SPLIT MEDIAN BARRIER 54" (TYPE S, TL-4) PARAPET ABUTMENT (WITHOUT CONCRETE WEARING COURSE)**

DES: _____ DR: _____
 CHK: _____ CHK: _____

APPROVED: _____
 SHEET NO. OF SHEETS

BRIDGE NO. _____

FIG. 5-397.146(C)