

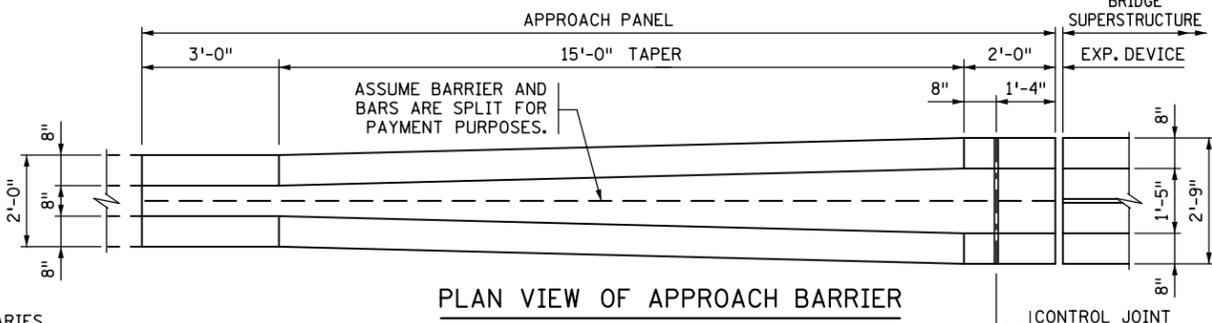
SECTION A-A

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 5-397-140 OR .141 IN LIEU OF THIS STANDARD.

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

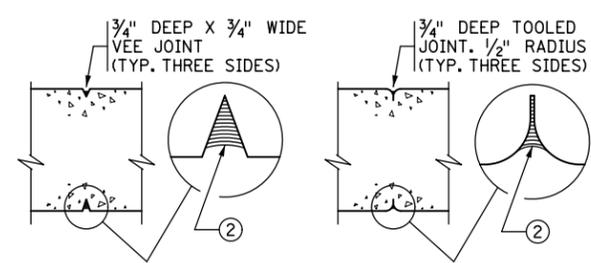
EXPANSION JOINT ④ CONTROL JOINT
 EXPANSION DEVICE NOT SHOWN
 INSIDE ELEVATION OF BARRIER



PLAN VIEW OF APPROACH BARRIER

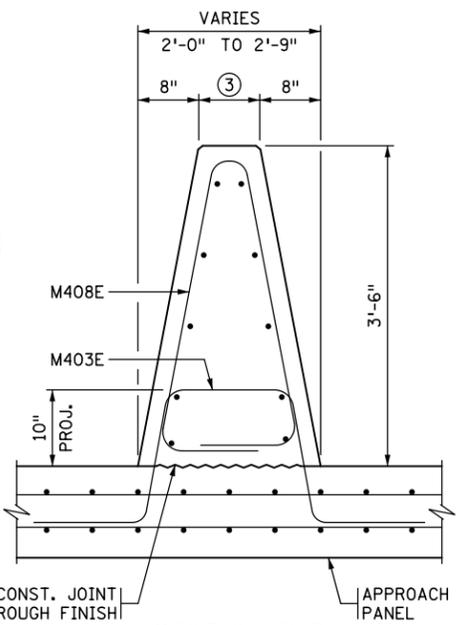
BILL OF REINFORCEMENT FOR BARRIER

BAR	NO.	LENGTH	SHAPE	LOCATION
M501E		5'-7"	[Shape]	BARRIER DOWEL
M402E		7'-7"	[Shape]	BARRIER DOWEL
M403E	SER. OF 14	6'-11" TO 7'-7"	[Shape]	BARRIER DOWEL
M404E		6'-11"	[Shape]	BARRIER DOWEL
M505E		7'-2"	[Shape]	BARRIER VERTICAL
M506E		5'-0"	[Shape]	BARRIER VERTICAL
M407E		10'-4"	[Shape]	BARRIER VERTICAL
M408E	SER. OF 14	9'-7" TO 10'-4"	[Shape]	BARRIER VERTICAL
M409E		8'-11"	[Shape]	BARRIER VERTICAL
M4...E			[Shape]	BARRIER LONGIT.
M4...E			[Shape]	BARRIER LONGIT.
M4...E			[Shape]	BARRIER LONGIT.
M4...E			[Shape]	BARRIER LONGIT.

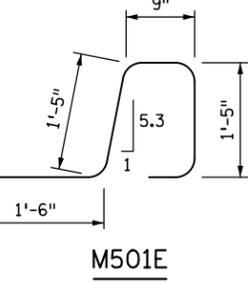
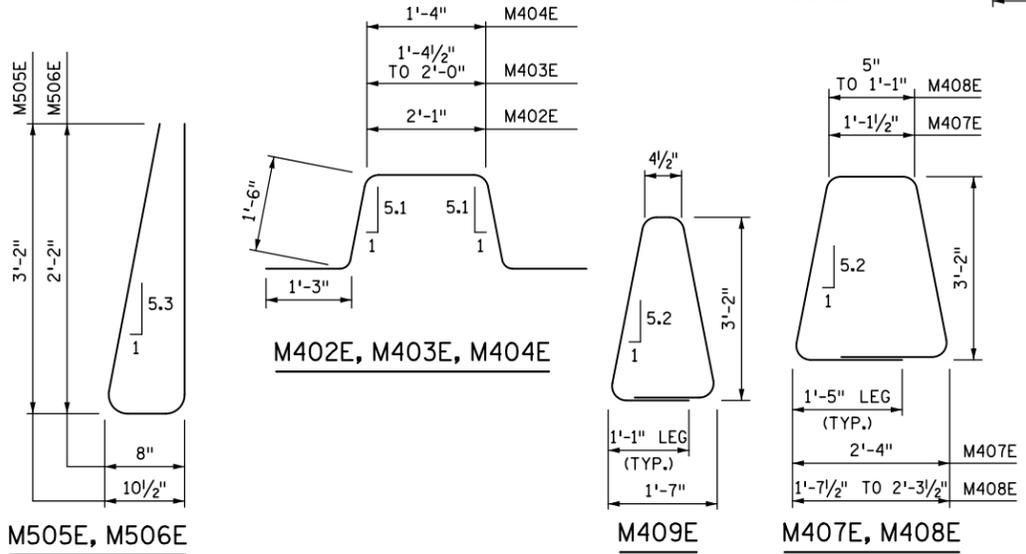


SECTION C-C CONTRACTOR OPTION 1
 SECTION C-C CONTRACTOR OPTION 2
 CONTROL JOINT DETAILS

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



M501E

GENERAL NOTES

- MEASURE PAYMENT LENGTH BETWEEN THE OUTSIDE ENDS OF THE BARRIER FROM THE EB JOINT. MEASURED LENGTH IS FOR ONE SIDE OF THE SPLIT MEDIAN BARRIER.
- CONCRETE BARRIER = 525 LBS./FT. (0.130 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 8" TO 1'-5".
- 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 42"
 (TYPE S, TL-4)
 PARAPET ABUTMENT
 (WITHOUT CONCRETE WEARING COURSE)

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

FIG. 5-397.145(C)