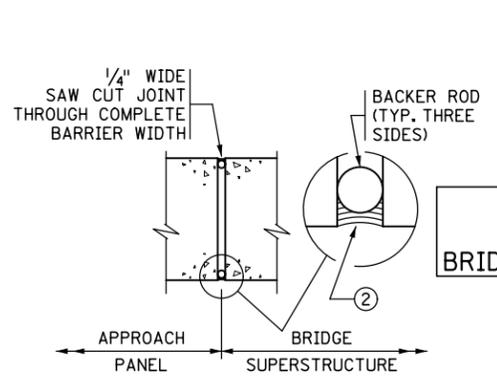


SECTION A-A

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.

JOINT AT ABUTMENT
 (INTEGRAL OR SEMI-INTEGRAL ABUTMENT)
 CONTROL JOINT
 INSIDE ELEVATION OF BARRIER

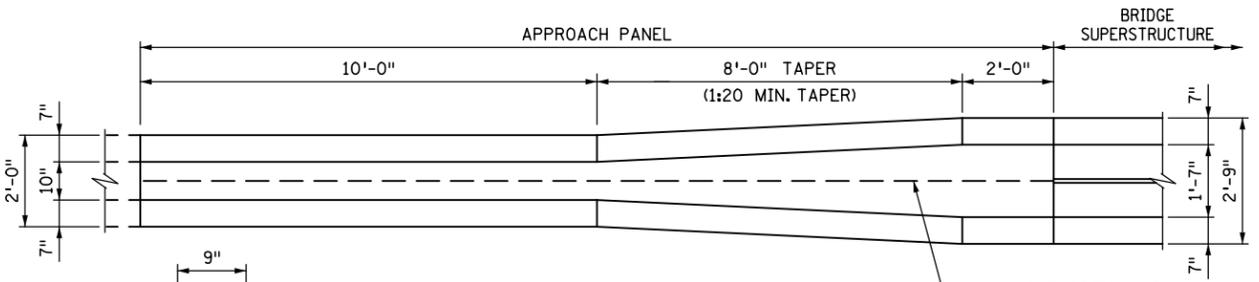
BILL OF REINFORCEMENT FOR BARRIER				
BAR	NO.	LENGTH	SHAPE	LOCATION
M501E		5'-7"		BARRIER DOWEL
M402E		7'-7"		BARRIER DOWEL
M403E	SER. OF 7	6'-11" TO 7'-6"		BARRIER DOWEL
M404E		6'-10"		BARRIER DOWEL
M505E		6'-11"		BARRIER VERTICAL
M406E		9'-5"		BARRIER VERTICAL
M407E	SER. OF 7	8'-10" TO 9'-5"		BARRIER VERTICAL
M408E		8'-0"		BARRIER VERTICAL
M4_E				BARRIER LONGIT.
M4_E				BARRIER LONGIT.
M4_E				BARRIER LONGIT.
M4_E				BARRIER LONGIT.



SECTION D-D

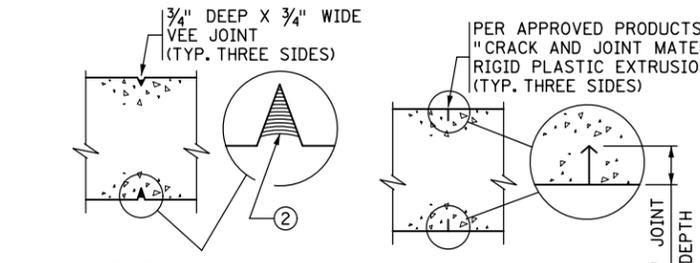
DESIGNER NOTE
 (REMOVE PRIOR TO PLOTTING FINAL PLAN):
 AVOID LAYOUTS WITH HORIZONTAL GAP BETWEEN SPLIT
 MEDIAN BARRIERS OF 2" TO 6", AS BARRIERS CANNOT BE
 SLIPFORMED. IF GAP EXCEEDS 6" CONSIDER USING STANDARD
 FIGURE 5-397-138 OR .139 IN LIEU OF THIS STANDARD.

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



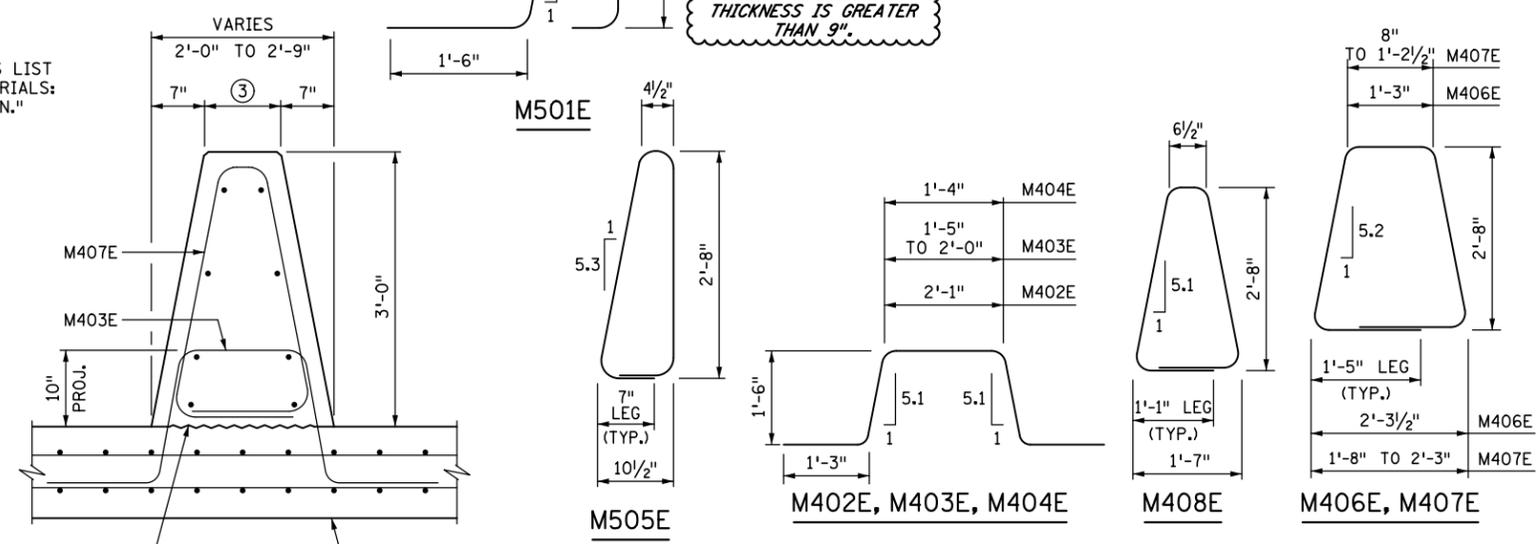
PLAN VIEW OF APPROACH BARRIER

**INCREASE M501E VERTICAL
 LEGS IF DECK SLAB
 THICKNESS IS GREATER
 THAN 9".**



SECTION C-C
 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.



SECTION B-B

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".

REVISION: MAY 10, 2017
 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)
 INTEGRAL OR SEMI-INTEGRAL ABUTMENT
 (WITHOUT CONCRETE WEARING COURSE)

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

FIG. 5-397.144(A)