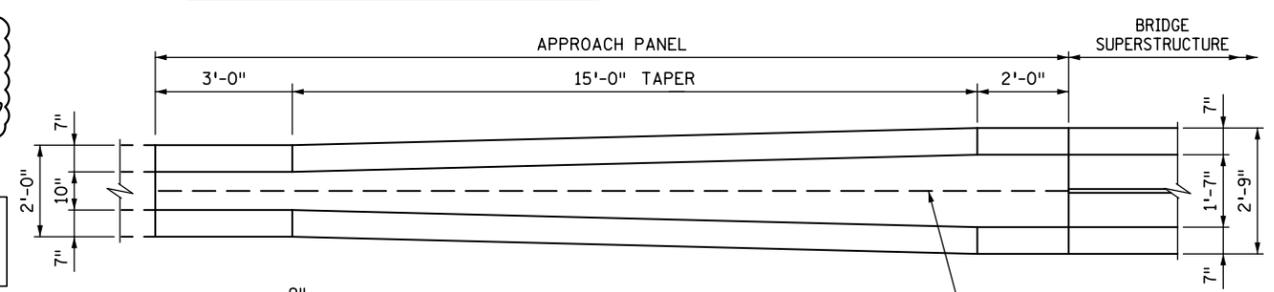


DESIGNER NOTE
 (REMOVE PRIOR TO PLOTTING FINAL PLAN)
 VERIFY LENGTH OF BARRIER ON APPROACH PANEL
 WITH ROADWAY DESIGNER. REFER TO MEMO TO DESIGNERS (2016-01)
 FOR ADDITIONAL REQUIREMENTS REGARDING BARRIER PLACEMENT.

JOINT AT ABUTMENT
 (INTEGRAL OR SEMI-INTEGRAL ABUTMENT)

CONTROL JOINT

INSIDE ELEVATION OF BARRIER



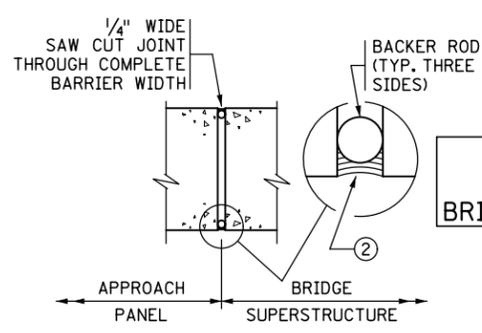
PLAN VIEW OF APPROACH BARRIER

ASSUME BARRIER AND BARS ARE SPLIT FOR PAYMENT PURPOSES.

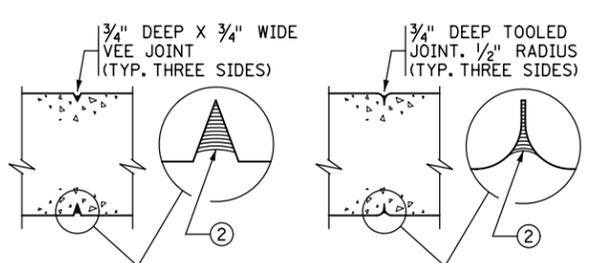
BILL OF REINFORCEMENT FOR BARRIER				
BAR	NO.	LENGTH	SHAPE	LOCATION
M501E		5'-7"		BARRIER DOWEL
M402E		7'-7"		BARRIER DOWEL
M403E	SER. OF 14	6'-11"		BARRIER DOWEL
M404E		6'-10"		BARRIER DOWEL
M505E		6'-11"		BARRIER VERTICAL
M406E		9'-5"		BARRIER VERTICAL
M407E	SER. OF 14	8'-9" TO 9'-5"		BARRIER VERTICAL
M408E		8'-0"		BARRIER VERTICAL
M4_E				BARRIER LONGIT.
M4_E				BARRIER LONGIT.
M4_E				BARRIER LONGIT.
M4_E				BARRIER LONGIT.

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.

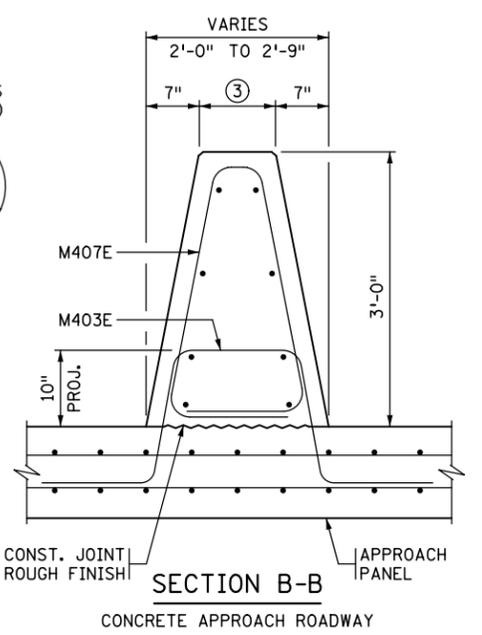


SECTION D-D

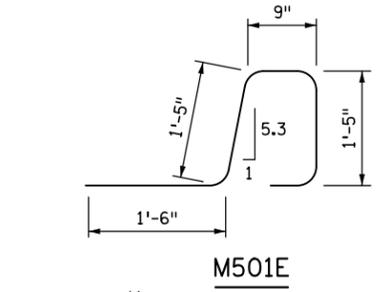


SECTION C-C
 CONTRACTOR OPTION 1 CONTRACTOR OPTION 2

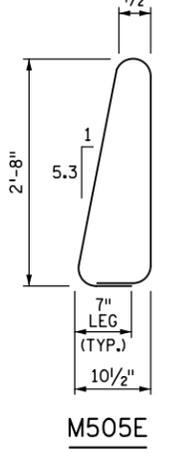
CONTROL JOINT DETAILS
 WHEN USING SLIP FORM METHOD TO PLACE THE CONCRETE,
 CUT JOINT 3 INCHES DEEP USING MARGIN TROWEL OR
 SIMILAR MEANS IMMEDIATELY AFTER CONCRETE PLACEMENT
 (TYP. THREE SIDES).



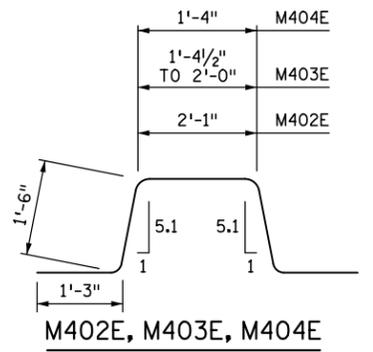
SECTION B-B



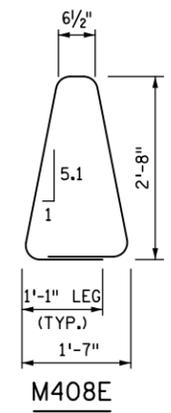
M501E



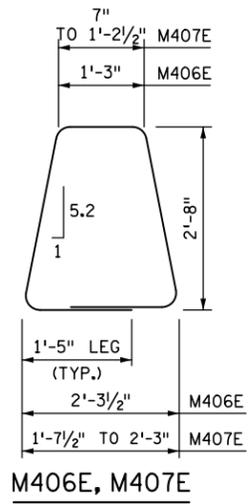
M505E



M402E, M403E, M404E



M408E



M406E, M407E

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

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

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

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

FIG. 5-397.144(A)