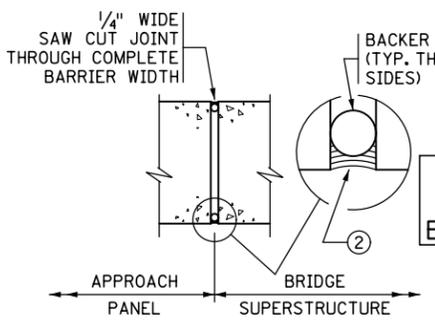


SECTION A-A  
\* DIMENSION SHOWN IS TO THE TOP OF THE WEARING COURSE AT GUTTERLINE.

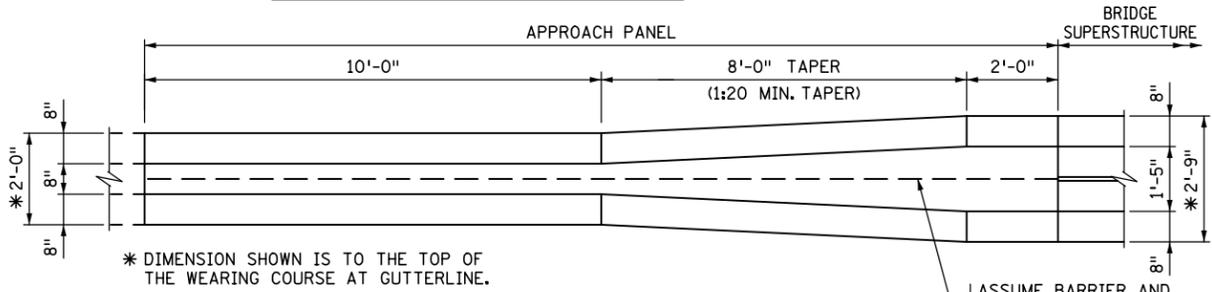
**DESIGNER NOTE**  
(REMOVE PRIOR TO PLOTTING FINAL PLAN):  
VERIFY LENGTH OF BARRIER ON APPROACH PANEL  
WITH ROADWAY DESIGNER. REFER TO MEMO TO DESIGNERS (2016-01)  
FOR ADDITIONAL REQUIREMENTS REGARDING BARRIER PLACEMENT.

**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.



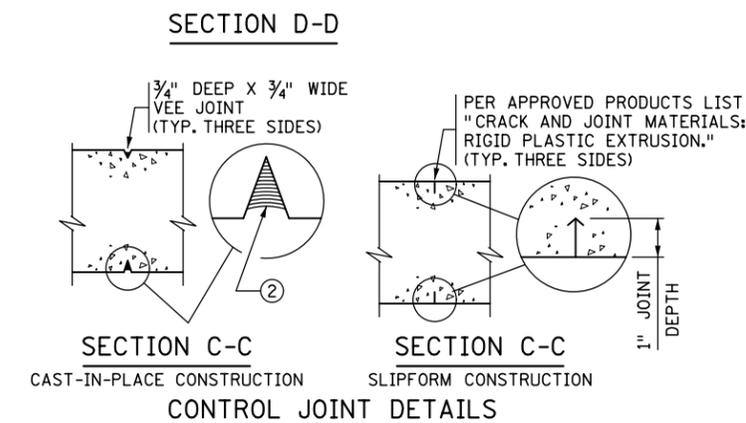
BARRIER ON EACH SIDE MEETS  
NCHRP 350 TL-4 REQUIREMENTS ON  
BRIDGE DECK AND TL-3 ON APPROACH PANEL.

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

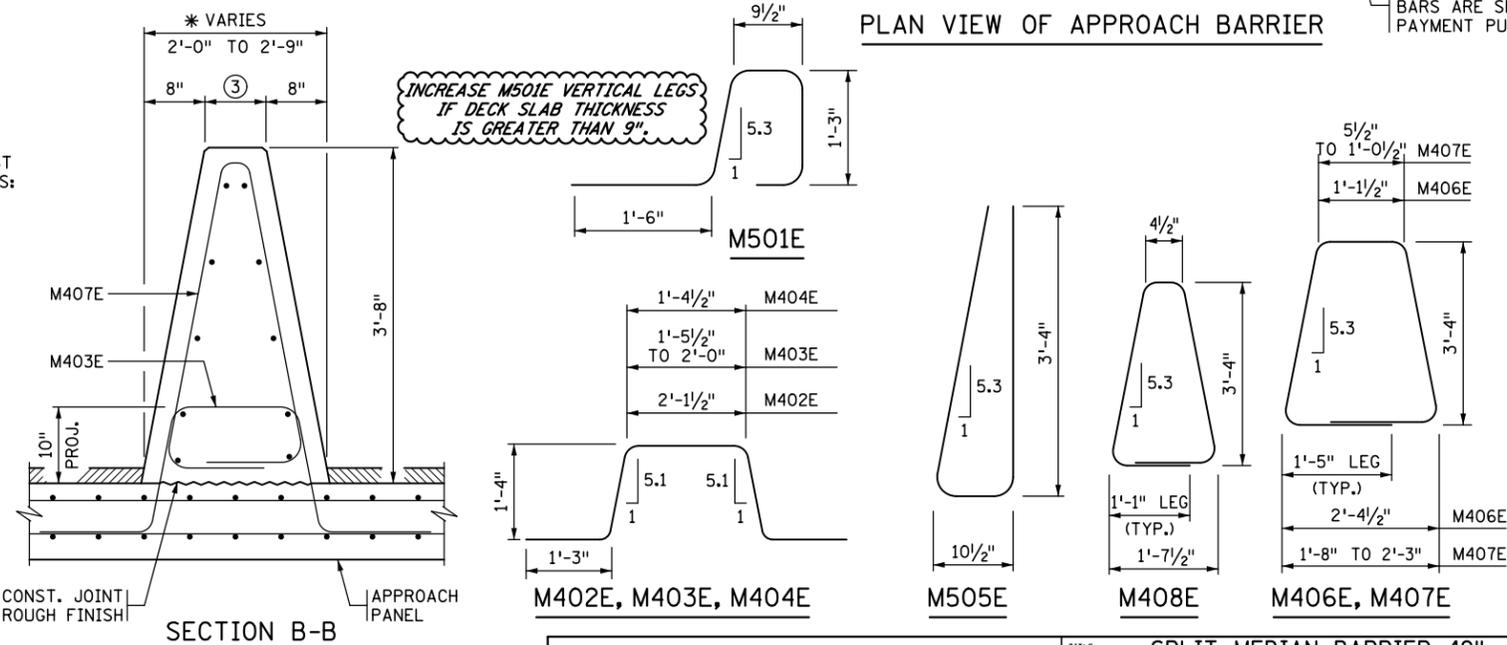


PLAN VIEW OF APPROACH BARRIER

BILL OF REINFORCEMENT FOR BARRIER				
BAR	NO.	LENGTH	SHAPE	LOCATION
M501E		5'-4"		BARRIER DOWEL
M402E		7'-4"		BARRIER DOWEL
M403E	SER. OF 7	6'-8" TO 7'-2"		BARRIER DOWEL
M404E		6'-7"		BARRIER DOWEL
M505E		7'-6"		BARRIER VERTICAL
M406E		10'-8"		BARRIER VERTICAL
M407E	SER. OF 7	10'-0" TO 10'-7"		BARRIER VERTICAL
M408E		8'-11"		BARRIER VERTICAL
M4_E				BARRIER LONGIT.
M4_E				BARRIER LONGIT.
M4_E				BARRIER LONGIT.
M4_E				BARRIER LONGIT.



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  
CONCRETE APPROACH ROADWAY.  
\* DIMENSION SHOWN IS TO THE TOP OF THE WEARING COURSE AT GUTTERLINE.

**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 = 559 LBS./FT. (0.138 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".

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 42"  
(TYPE S, TL-4)  
INTEGRAL OR SEMI-INTEGRAL ABUTMENT  
(WITH 2" CONCRETE WEARING COURSE)

DES: \_\_\_\_\_ DR: \_\_\_\_\_ APPROVED: \_\_\_\_\_  
CHK: \_\_\_\_\_ CHK: \_\_\_\_\_  
SHEET NO. OF SHEETS BRIDGE NO. \_\_\_\_\_

FIG. 5-397.145(B)