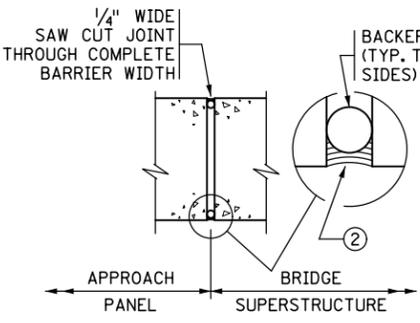


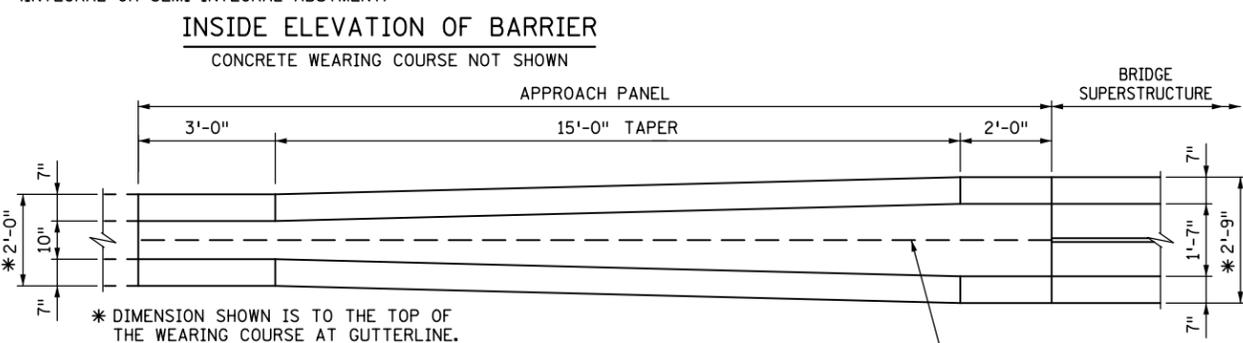
**DESIGNER NOTE**  
 (REMOVE PRIOR TO PLOTTING FINAL PLAN)  
 VERIFY LENGTH OF BARRIER ON APPROACH PANEL  
 WITH ROADWAY DESIGNER. REFER TO MEMO TO DESIGNERS (2016-01)  
 FOR ADDITIONAL REQUIREMENTS REGARDING BARRIER PLACEMENT.

**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 5-397-138 OR 139 IN LIEU OF THIS STANDARD.

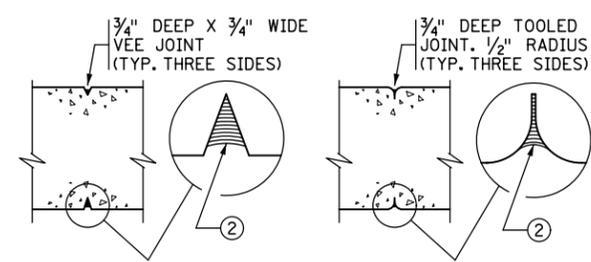


BARRIER ON EACH SIDE MEETS  
 NCHRP 350 TL-4 REQUIREMENTS ON  
 BRIDGE DECK AND TL-3 ON APPROACH PANEL.

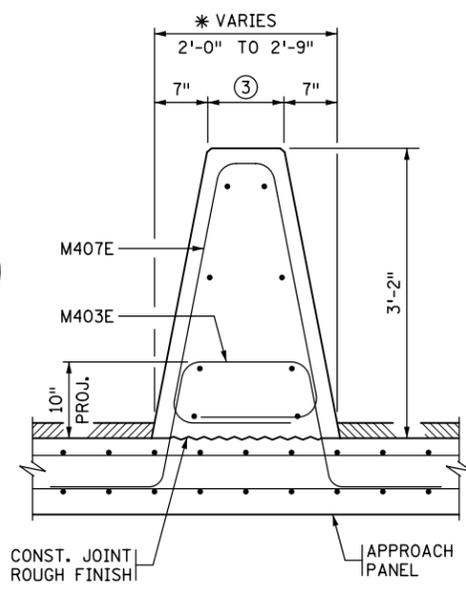
**JOINT AT ABUTMENT**  
 (INTEGRAL OR SEMI-INTEGRAL ABUTMENT)



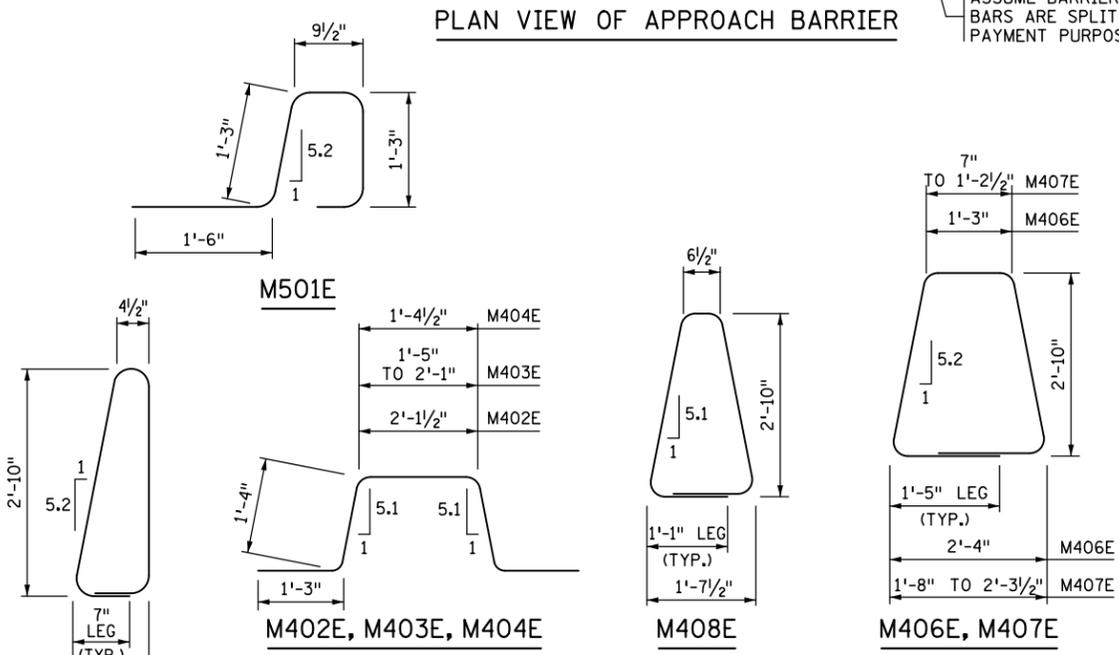
BILL OF REINFORCEMENT FOR BARRIER				
BAR NO.	NO.	LENGTH	SHAPE	LOCATION
M501E		5'-4"		BARRIER DOWEL
M402E	4	7'-4"		BARRIER DOWEL
M403E	SER. OF 14	6'-7" TO 7'-3"		BARRIER DOWEL
M404E		6'-7"		BARRIER DOWEL
M505E		7'-3"		BARRIER VERTICAL
M406E		9'-9"		BARRIER VERTICAL
M407E	SER. OF 14	9'-1" TO 9'-9"		BARRIER VERTICAL
M408E		8'-5"		BARRIER VERTICAL
M4_E				BARRIER LONGIT.
M4_E				BARRIER LONGIT.
M4_E				BARRIER LONGIT.
M4_E				BARRIER LONGIT.
M4_E				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.  
 \* 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 = 503 LBS./FT. (0.124 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 \_\_\_\_\_ TITLE: \_\_\_\_\_  
 LICENSED PROFESSIONAL ENGINEER DATE \_\_\_\_\_  
 NAME: \_\_\_\_\_ LIC. NO. \_\_\_\_\_

TITLE: **SPLIT MEDIAN BARRIER 36" (TYPE S, TL-4)**  
 INTEGRAL OR SEMI-INTEGRAL ABUTMENT (WITH 2" CONCRETE WEARING COURSE)

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

FIG. 5-397.144(B)