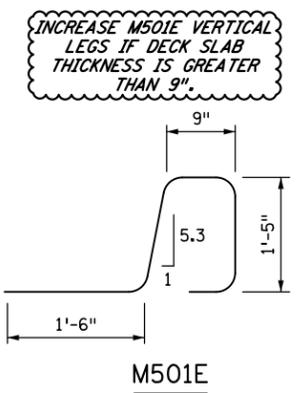
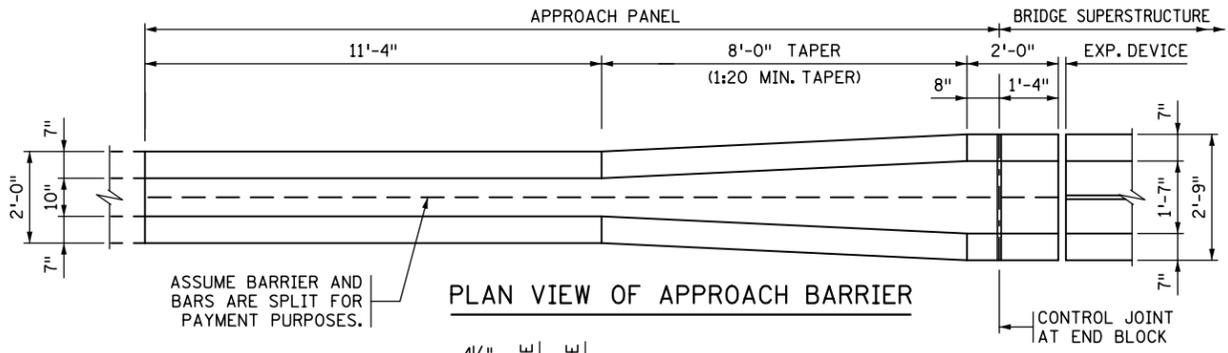


**DESIGNER NOTE**  
 (REMOVE PRIOR TO PLOTTING FINAL PLAN)  
 VERIFY LENGTH OF BARRIER ON APPROACH PANEL WITH ROADWAY DESIGNER. REFER TO MEMO TO DESIGNERS (2016-01) FOR ADDITIONAL REQUIREMENTS REGARDING BARRIER PLACEMENT.

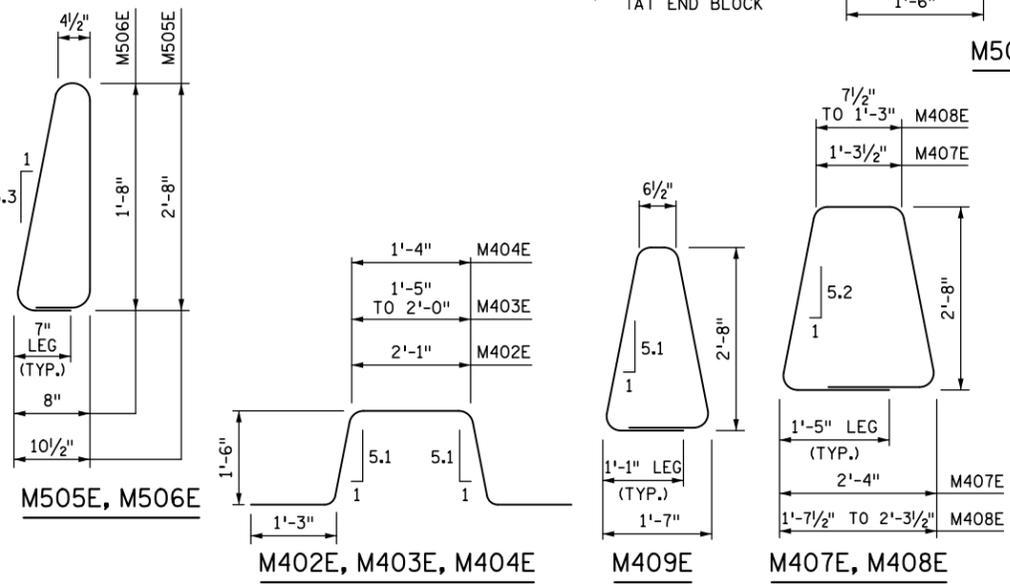
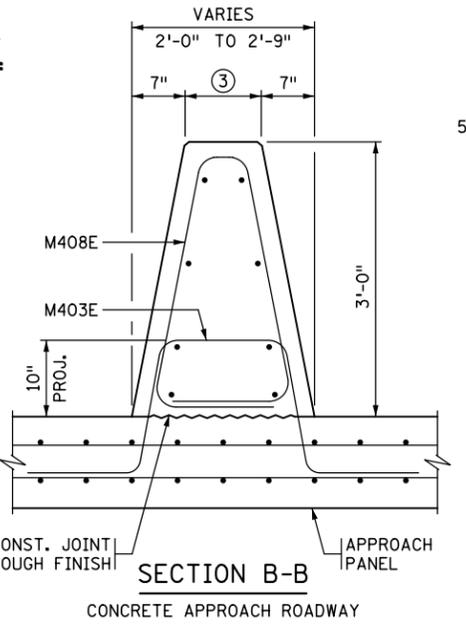
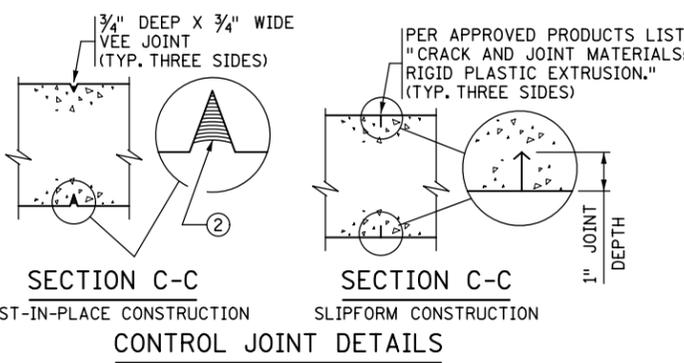
**DESIGNER NOTE**  
 (REMOVE PRIOR TO PLOTTING FINAL PLAN)  
 AVOID LAYOUTS WITH HORIZONTAL GAP BETWEEN SPLIT MEDIAN BARRIERS OF 2" TO 6", AS BARRIERS CANNOT BE SLIPFORMED. IF GAP EXCEEDS 6" CONSIDER USING STANDARD FIGURE 5-397-138 OR .139 IN LIEU OF THIS STANDARD.

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

**EXPANSION JOINT ④**  
 EXPANSION DEVICE NOT SHOWN  
**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 8	6'-11" TO 7'-6"		BARRIER DOWEL
M404E		6'-11"		BARRIER DOWEL
M505E		6'-11"		BARRIER VERTICAL
M506E		4'-11"		BARRIER VERTICAL
M407E		9'-6"		BARRIER VERTICAL
M408E	SER. OF 8	8'-10" TO 9'-5"		BARRIER VERTICAL
M409E		8'-0"		BARRIER VERTICAL
M4...E				BARRIER LONGIT.
M4...E				BARRIER LONGIT.
M4...E				BARRIER LONGIT.
M4...E				BARRIER LONGIT.



**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".  
 ④ REFER TO "WATERPROOF EXPANSION DEVICE" STANDARD PLANS FOR COVER PLATE DETAILS.

REVISION: MAY 10, 2017  
 APPROVED: AUGUST 24, 2016  
 Kevin Western  
 STATE BRIDGE ENGINEER

CERTIFIED BY \_\_\_\_\_  
 LICENSED PROFESSIONAL ENGINEER DATE \_\_\_\_\_  
 NAME: \_\_\_\_\_ LIC. NO. \_\_\_\_\_

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

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

FIG. 5-397.144(C)