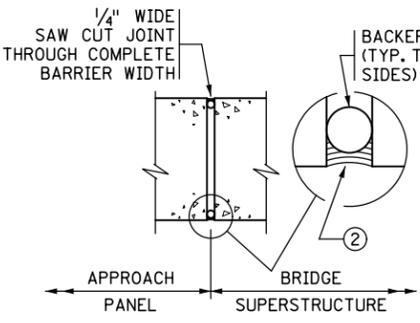


SECTION A-A
* DIMENSION SHOWN IS TO THE TOP OF THE WEARING COURSE AT GUTTERLINE.

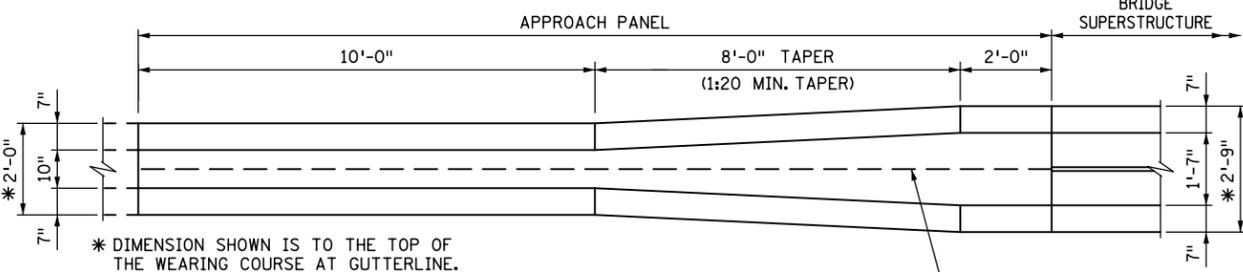
DESIGNER NOTE
(REMOVE PRIOR TO PLOTTING FINAL PLAN)
VERIFY LENGTH OF BARRIER ON APPROACH PANEL WITH ROADWAY DESIGNER. REFER TO MEMO TO DESIGNERS (2016-01) FOR ADDITIONAL REQUIREMENTS REGARDING BARRIER PLACEMENT.

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



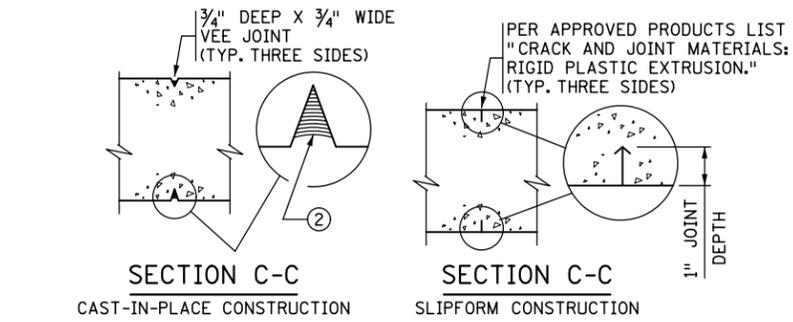
BARRIER ON EACH SIDE MEETS NCHRP 350 TL-4 REQUIREMENTS ON BRIDGE DECK AND TL-3 ON APPROACH PANEL.

JOINT AT ABUTMENT
(INTEGRAL OR SEMI-INTEGRAL ABUTMENT)
INSIDE ELEVATION OF BARRIER
CONCRETE WEARING COURSE NOT SHOWN

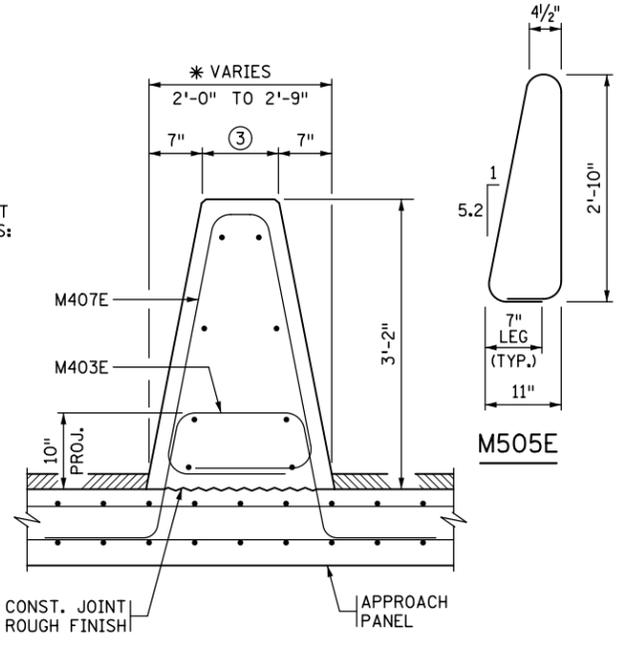


* DIMENSION SHOWN IS TO THE TOP OF THE WEARING COURSE AT GUTTERLINE.

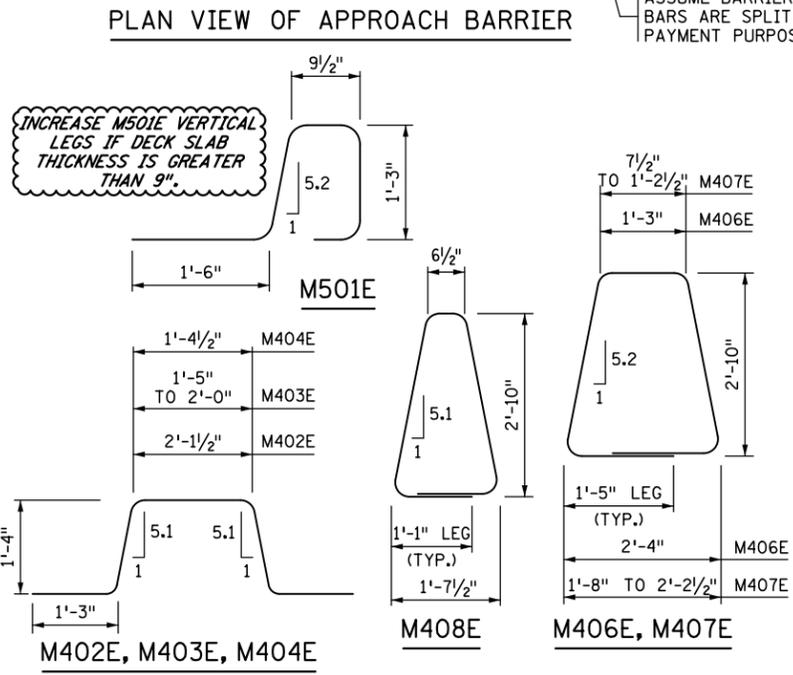
BILL OF REINFORCEMENT FOR BARRIER				
BAR NO.	NO.	LENGTH	SHAPE	LOCATION
M501E		5'-4"		BARRIER DOWEL
M402E	4	7'-4"		BARRIER DOWEL
M403E	SER. OF 7	6'-7" TO 7'-2"		BARRIER DOWEL
M404E		6'-7"		BARRIER DOWEL
M505E		7'-3"		BARRIER VERTICAL
M406E		9'-9"		BARRIER VERTICAL
M407E	SER. OF 7	9'-2" TO 9'-9"		BARRIER 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.



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.



ASSUME BARRIER AND BARS ARE SPLIT FOR PAYMENT PURPOSES.

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.

- PLACE BAR ON TOP OF BOTTOM REINFORCEMENT MAT IN DECK.
- JOINT SEALANT PER MNDOT APPROVED/QUALIFIED PRODUCTS LIST - CRACK AND JOINT MATERIALS - SILICONE JOINT SEALERS.
- VARIABLES 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 (WITH 2" CONCRETE WEARING COURSE)

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

FIG. 5-397.144(B)