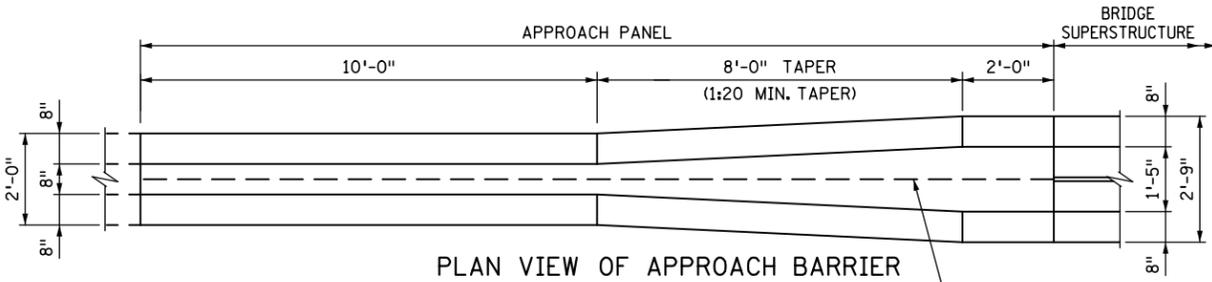


DESIGNER NOTE
 (REMOVE PRIOR TO PLOTTING FINAL PLAN)
 VERIFY LENGTH OF BARRIER ON APPROACH PANEL WITH ROADWAY DESIGNER. REFER TO MEMO TO DESIGNERS (2016-01) FOR ADDITIONAL REQUIREMENTS REGARDING BARRIER PLACEMENT.

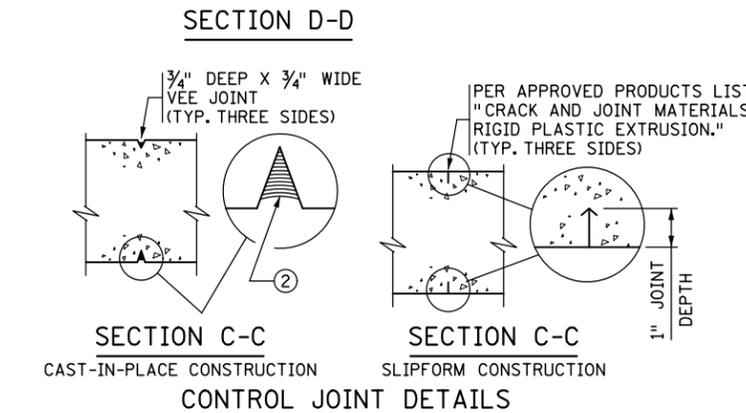
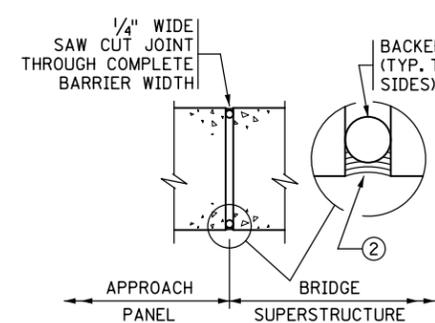
JOINT AT ABUTMENT
 (INTEGRAL OR SEMI-INTEGRAL ABUTMENT)
CONTROL JOINT
INSIDE ELEVATION OF BARRIER



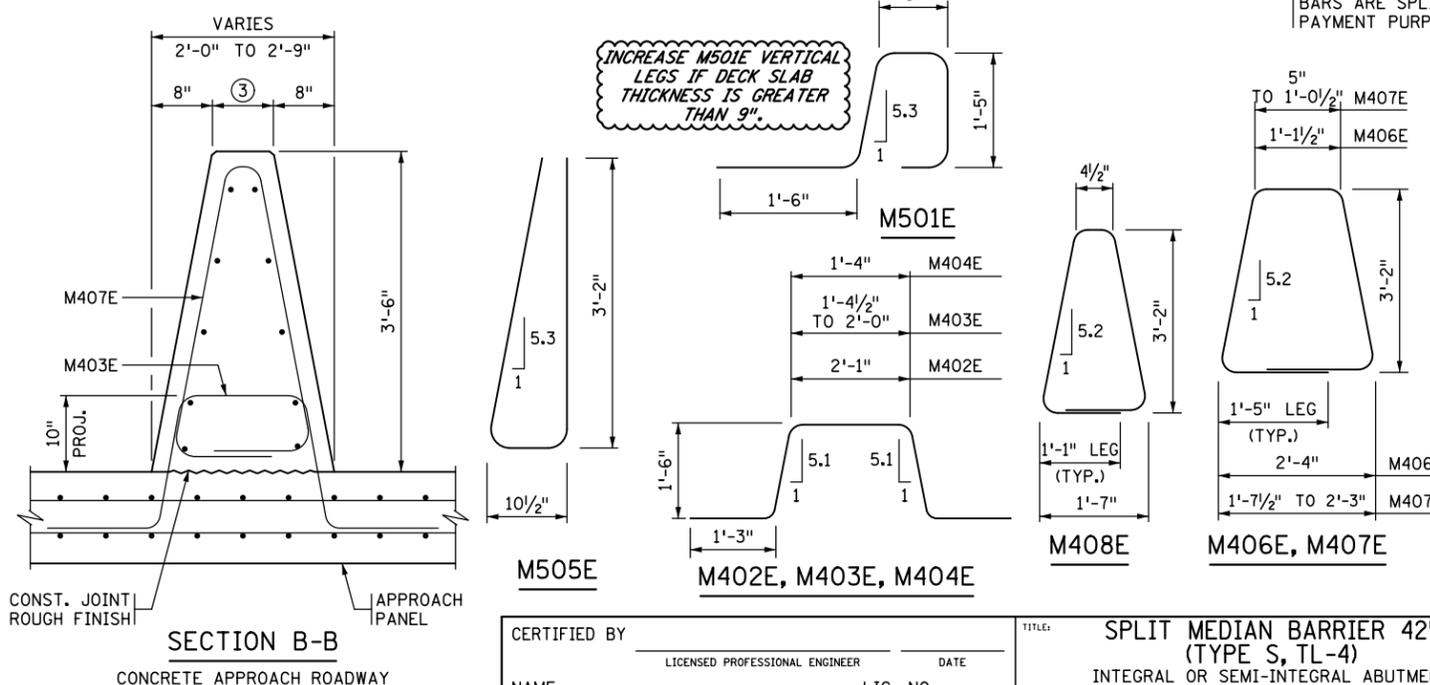
BILL OF REINFORCEMENT FOR BARRIER				
BAR	NO.	LENGTH	SHAPE	LOCATION
M501E		5'-7"		BARRIER DOWEL
M402E		7'-7"		BARRIER DOWEL
M403E	SER. OF 7	6'-11" TO 7'-7"		BARRIER DOWEL
M404E		6'-11"		BARRIER DOWEL
M505E		7'-2"		BARRIER VERTICAL
M406E		10'-4"		BARRIER VERTICAL
M407E	SER. OF 7	9'-7" TO 10'-3"		BARRIER VERTICAL
M408E		8'-11"		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 5-397-140 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.



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.



- GENERAL NOTES**
- MEASURE PAYMENT LENGTH BETWEEN THE OUTSIDE ENDS OF THE BARRIER FROM THE EB JOINT. MEASURED LENGTH IS FOR ONE SIDE OF THE SPLIT MEDIAN BARRIER.
 - CONCRETE BARRIER = 525 LBS./FT. (0.130 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 (WITHOUT CONCRETE WEARING COURSE)

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

FIG. 5-397.145(A)