

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

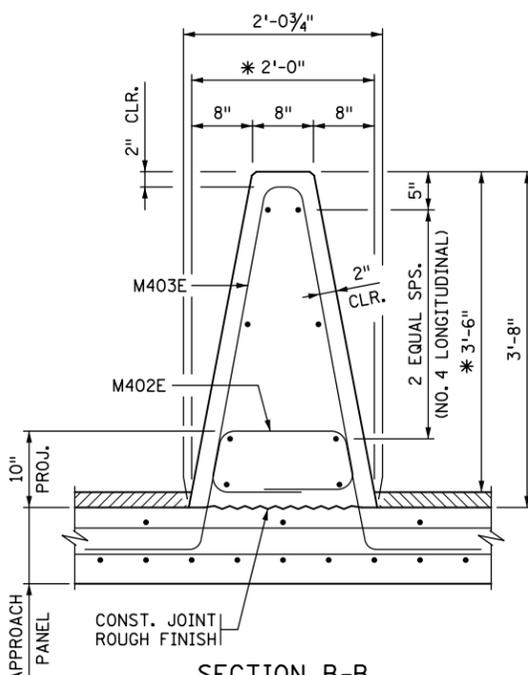
JOINT AT ABUTMENT (3)  
(INTEGRAL OR SEMI-INTEGRAL ABUTMENT)      CONTROL JOINT

INSIDE ELEVATION OF BARRIER  
CONCRETE WEARING COURSE NOT SHOWN

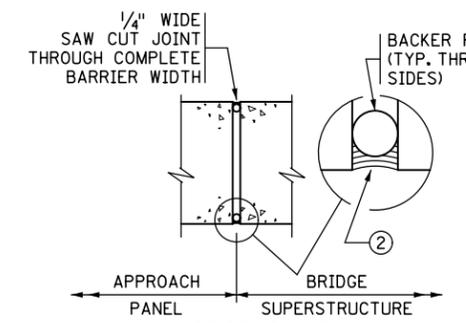
**DESIGNER NOTE**  
(REMOVE PRIOR TO PLOTTING FINAL PLAN;  
VERIFY LENGTH OF BARRIER ON APPROACH PANEL  
WITH ROADWAY DESIGNER. REFER TO MEMO TO DESIGNERS (2016-01)  
FOR ADDITIONAL REQUIREMENTS REGARDING BARRIER PLACEMENT.

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

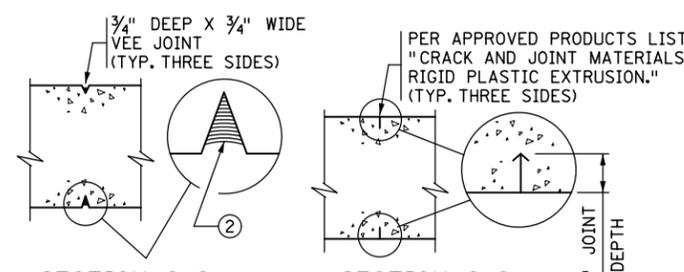
BILL OF REINFORCEMENT FOR BARRIER				
BAR	NO.	LENGTH	SHAPE	LOCATION
M401E		6'-5"		BARRIER DOWEL
M402E		6'-6"		BARRIER DOWEL
M403E		9'-5"		BARRIER VERTICAL
M4_E				BARRIER LONGITUDINAL
M4_E				BARRIER LONGITUDINAL
M4_E				BARRIER LONGITUDINAL
M4_E				BARRIER LONGITUDINAL
M4_E				BARRIER LONGITUDINAL



SECTION B-B  
CONCRETE APPROACH PANEL.  
\* DIMENSION SHOWN IS TO THE TOP OF THE WEARING COURSE AT GUTTERLINE.



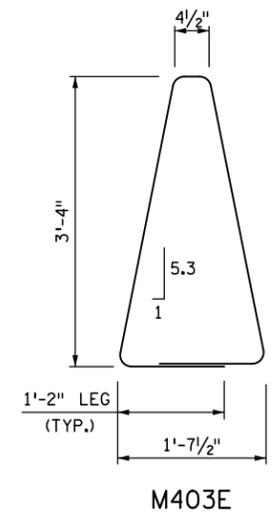
SECTION D-D



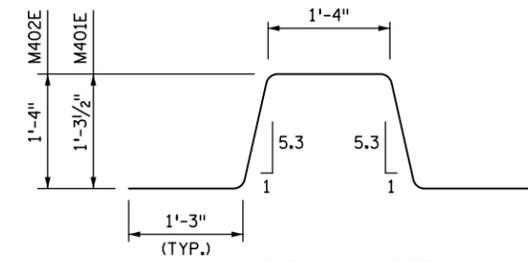
SECTION C-C      SECTION C-C  
CAST-IN-PLACE CONSTRUCTION      SLIPFORM CONSTRUCTION  
CONTROL JOINT DETAILS

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.

INCREASE M401E VERTICAL LEGS IF DECK SLAB THICKNESS IS GREATER THAN 9".



M403E



M401E & M402E

**GENERAL NOTES**

- MEASURE PAYMENT LENGTH BETWEEN THE OUTSIDE ENDS OF THE BARRIER FROM THE E8 JOINT.
- CONCRETE BARRIER = 751 LBS./FT. (0.185 CU. YDS/FT.)
- 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 MDOT APPROVED/QUALIFIED PRODUCTS LIST - CRACK AND JOINT MATERIALS - SILICONE JOINT SEALERS.

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

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

TITLE: **SOLID MEDIAN BARRIER 42"**  
**(TYPE S, TL-4)**  
INTEGRAL OR SEMI-INTEGRAL ABUTMENT  
(WITH 2" CONCRETE WEARING COURSE)

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

FIG. 5-397.148(B)