

EXPANSION JOINT ③
EXPANSION DEVICE NOT SHOWN

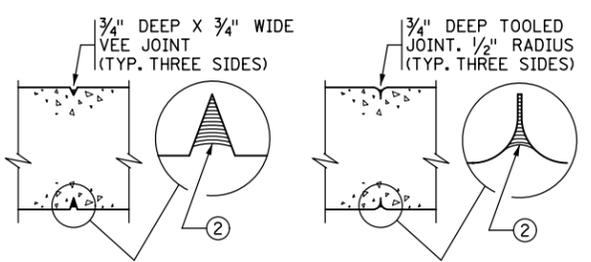
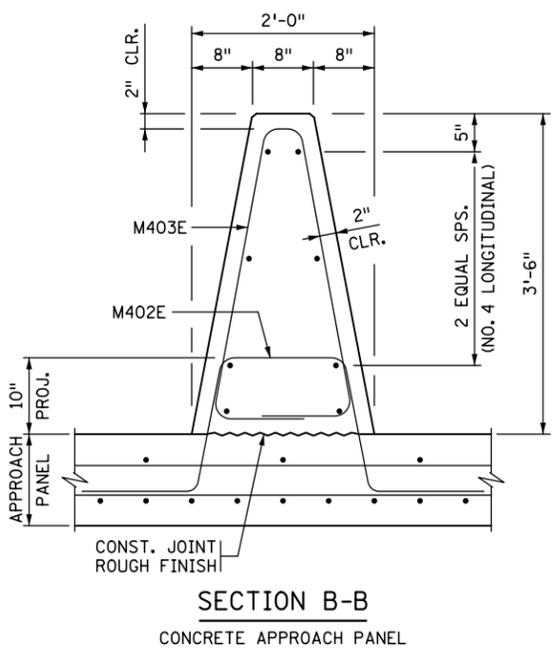
CONTROL JOINT

INSIDE ELEVATION OF BARRIER

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

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.

BILL OF REINFORCEMENT FOR BARRIER				
BAR	NO.	LENGTH	SHAPE	LOCATION
M401E		6'-9"		BARRIER DOWEL
M402E		6'-10"		BARRIER DOWEL
M403E		8'-11"		BARRIER VERTICAL
M404E		6'-5"		BARRIER VERTICAL
M4_E				BARRIER LONGITUDINAL
M4_E				BARRIER LONGITUDINAL
M4_E				BARRIER LONGITUDINAL

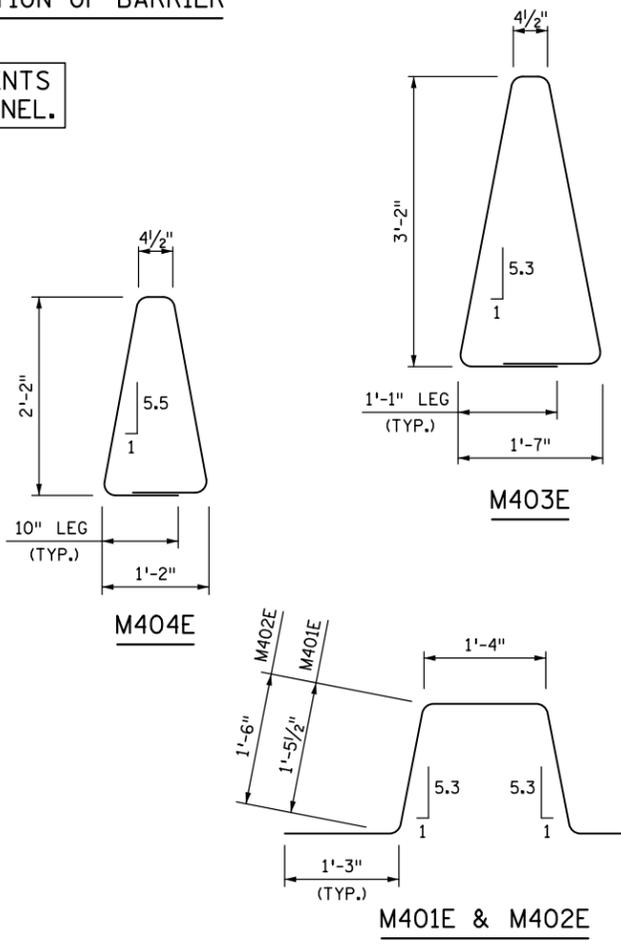


SECTION C-C
CONTRACTOR OPTION 1

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).



GENERAL NOTES

- MEASURE PAYMENT LENGTH BETWEEN THE OUTSIDE ENDS OF THE BARRIER FROM THE E8 JOINT.
- CONCRETE BARRIER = 700 LBS./FT. (0.173 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 MNDOT APPROVED/QUALIFIED PRODUCTS LIST - CRACK AND JOINT MATERIALS - SILICONE JOINT SEALERS.
- ③ REFER TO "WATERPROOF EXPANSION DEVICE" STANDARD PLANS FOR COVER PLATE DETAILS.

REVISION:

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)
PARAPET ABUTMENT
(WITHOUT CONCRETE WEARING COURSE)

DES: _____ DR: _____
CHK: _____ CHK: _____

APPROVED: _____
BRIDGE NO. _____

SHEET NO. _____ OF _____ SHEETS

FIG. 5-397.148(C)