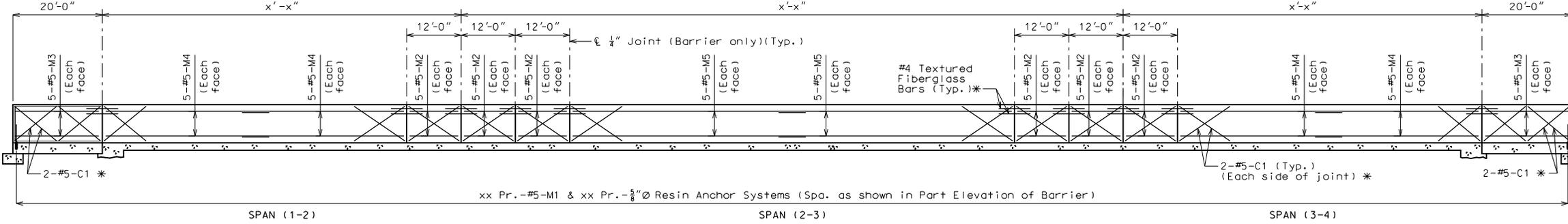


EXAMPLE ELEVATION



BAR11_C_elev Effective: Apr. 2020 Supersedes: Aug. 2018 (MBAC03)

Standard Drawing Guidance (do not show on plans):

- In the available space, draw the elevation of the left barrier showing:
 - Span ranges.
 - All horizontal #5-R bars in each span with all specified by bar marks.
 - First & last vertical #5-R bars dimensioned with total number in barrier.
 - All joints (as joint-filler joints) and centerlines with one centerline labeled as:
 - 1/4" Joint (Barrier only) (Typ.)
- If slip forming is allowed then add the following two items:
 - All #5-C bars in each span with all specified by bar marks (include asterisk)
 - All fiberglass bars with bars at one location labeled as:
 - #4 Textured Fiberglass Bars (Typ.) *

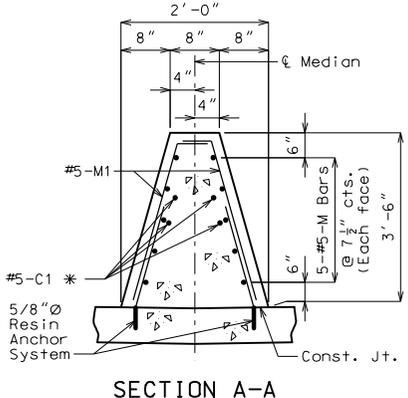
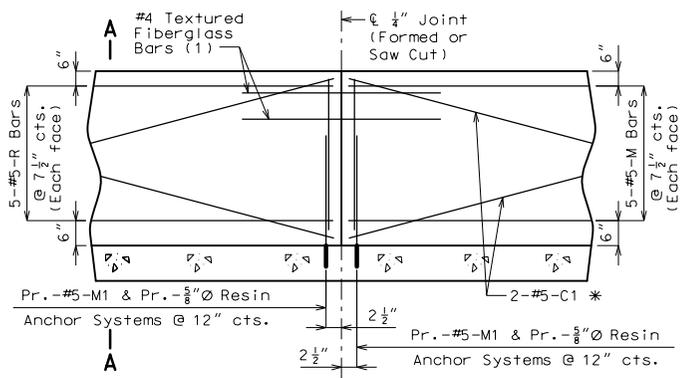
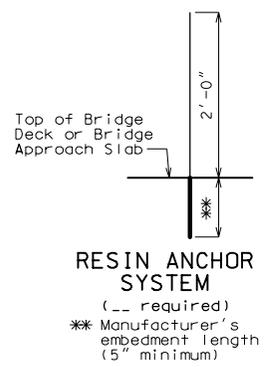
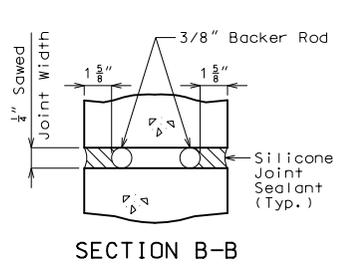
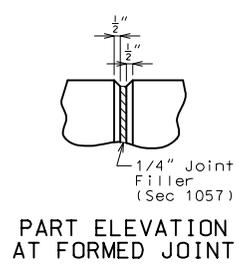
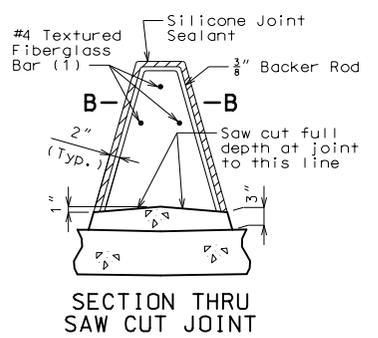
Adjust longitudinal dimensions note under elevation title as necessary.
 List C bars in the Bill of Reinforcing Steel and note that bars are for the slip-formed option only.
 Length of C1 bars is 12'-0".
 Do not include #5 bars for resin anchors in the bar bill.

ELEVATION OF BARRIER

Longitudinal dimensions are horizontal.

DATE PREPARED 7/7/2020	
ROUTE *	STATE MO
DISTRICT BR	SHEET NO. *
COUNTY *	
JOB NO. *	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. BAR11	
DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	105 WEST CAPITAL JEFFERSON CITY, MO 65102 1-888-ASK-MDOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

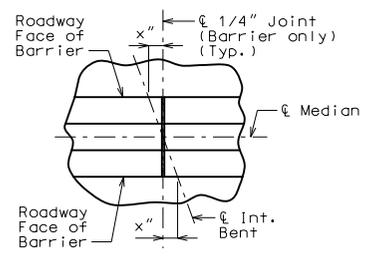
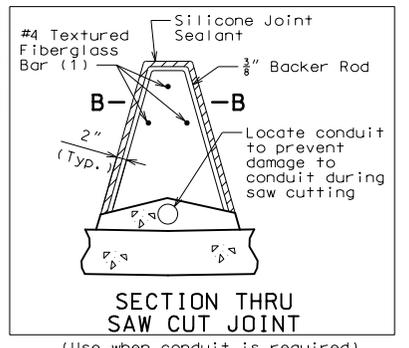


SECTION A-A

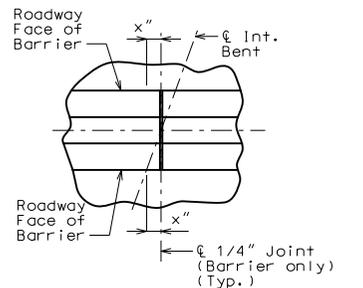
Use a minimum lap of 3'-1" for #5 horizontal barrier bars.
 The cross-sectional area above the slab is 4.69 square feet.

General Notes:

- * Slip-formed option only.
- Conventional forming or slip forming may be used. Saw cut joints may be used with conventional forming.
- Top of barrier shall be built parallel to grade with barrier joints normal to grade.
- All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise noted.
- Payment for all concrete and reinforcement, complete in place, will be completely covered by the contract unit price for Type C Barrier per linear foot.
- Concrete in the barrier shall be Class B-1.
- Measurement of barrier is to the nearest linear foot, measured along the top of slab at centerline median from end of bridge approach slab to end of bridge approach slab.
- Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type C Barrier.
- Joint sealant and backer rods shall be in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.
- For slip-formed option, both sides of barrier shall have a vertically broomed finish and the top shall have a transversely broomed finish.
- The contractor shall use one of the qualified resin anchor systems in accordance with 1039.
- Cost of furnishing and installing the resin anchor system, complete in place, will be considered completely covered by the contract unit price for Type C Barrier.
- The minimum embedment depth in concrete with f'c = 4,000 psi for the resin anchor system shall be that required to meet the minimum ultimate pullout strength in accordance with Sec 1039 but shall not be less than 5".
- An epoxy coated #5 Grade 60 reinforcing bar shall be substituted for the 5/8" threaded rod.



PART PLAN SHOWING JOINT LOCATION



PART PLAN SHOWING JOINT LOCATION
 (For skewed structures only)