

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.

If right barrier differs from left (typical with curved bridges), show both Elevation of Left Barrier and Elevation of Right Barrier. The longitudinal dimensions note can be relocated as the first note under the General Notes.

Dimensions are based on a 2.0%-sloped deck. Modify accordingly the outside dimensions in R-Bar Permissible Alternate Shape and Section A-A, and the 2.27 sq. ft. area in Section A-A for superelevated decks.

If conduit is required, indicate left or right or both barriers in a note.

① For barrier ending at end of slab:

Exclude "(except at end bents)"

Revise measurement to "end of slab to end of slab".

② Plastic waterstop detail and notes are required for all grade separations except over railroads and county roads. Remove if not required.

③ List C bars in the Bill of Reinforcing Steel and note that bars are for the slip-formed option only.

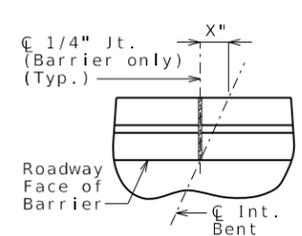
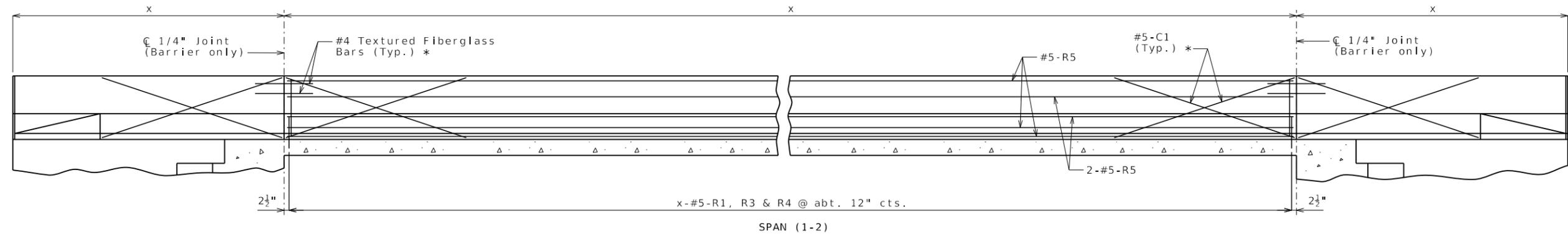
Refer to EPG 751.12.1.2.1 for lengths of C bars.

④ Subtract 1/8" for a 3/16"-per-foot sloped deck.

⑤ Based on 8 1/2" slab. Adjust for different slab thickness.

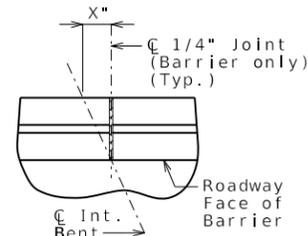
⑥ Remove for CIP slab.

EXAMPLE (SINGLE SPAN)



PART PLAN SHOWING JOINT LOCATION

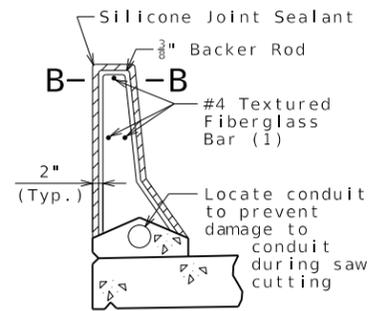
Left Advance



PART PLAN SHOWING JOINT LOCATION

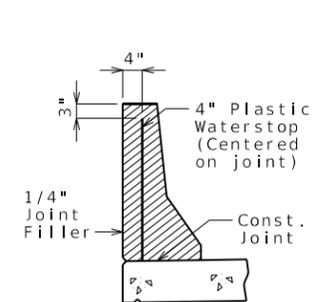
Right Advance

(Skewed bridges only)



SECTION THRU SAW CUT JOINT

(Use when conduit is required)

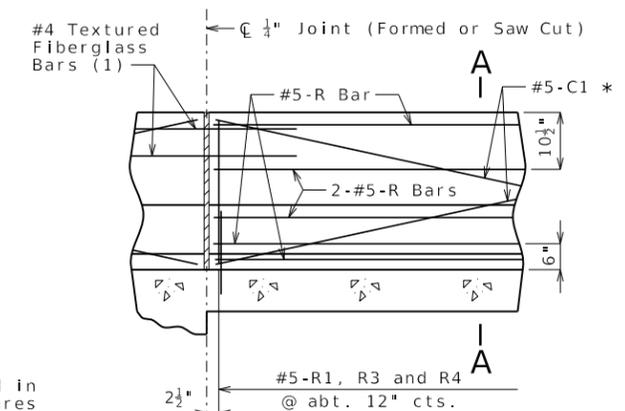


WATERSTOP DETAIL

Plastic waterstop shall be placed in all formed joints, except structures with superelevation, use on lower joints only.

Cost of plastic waterstop, complete in place, will be considered completely covered by the contract unit price for Type B Barrier.

(Use for grade separations)



PART ELEVATION OF BARRIER

ALTERNATE DETAIL FOR SINGLE SPAN