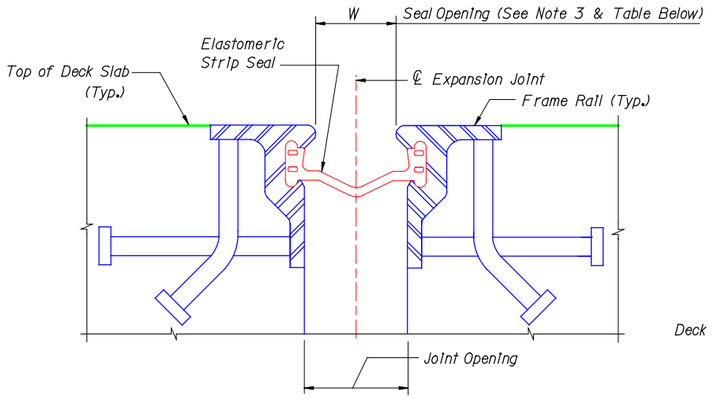
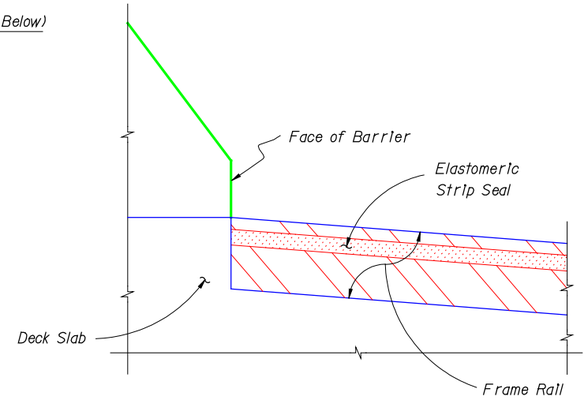
FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.			

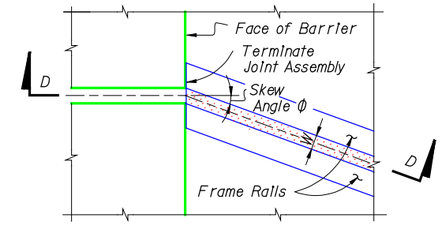


SECTION THRU EXPANSION JOINT

(Actual Section may vary, see Index 400)

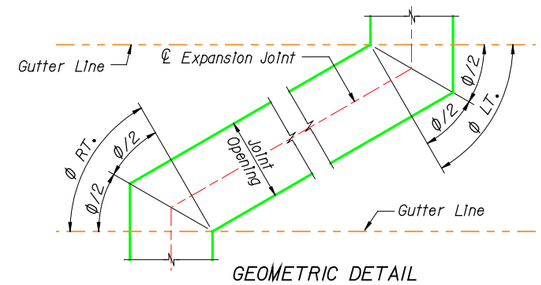


SECTION D-D



PLAN

JOINT AT BARRIER - HIGH SIDE



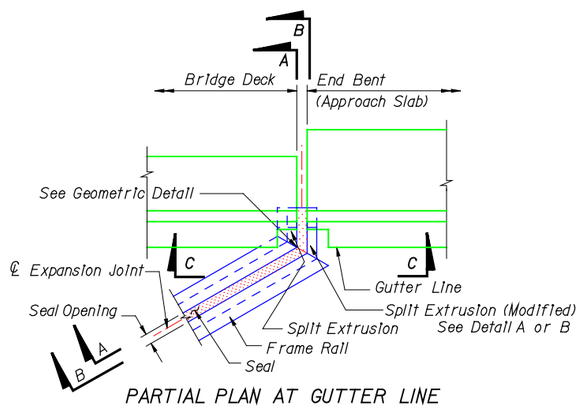
GEOMETRIC DETAIL

ELASTOMERIC STRIP SEAL NOTES:

1. The cost of all labor and materials for the construction of the elastomeric strip seal joints in bridge decks and approach slabs shall be included in the Contract Unit Price for Expansion Joint Seal (Strip Elast.), Item No. 2460-7-4. Length quantities provided in the table are meters of expansion joint measured along center-line of joint from gutter line to gutter line, or the face of pedestrian/bicycle railing when applicable.
   The cost of providing the upturned sections of the seal outside of the gutter line shall be included in the Contract Unit Price for Expansion Joint Seal.

2. The Contractor shall submit shop drawings showing all expansion joint materials including seal manufacturer, seal model number, seal movement range, proposed method of installation, and details of steel extrusion assemblies with all sizes and dimensions shown. The seal selected shall be a heavy duty bridge seal sized to perform satisfactorily for the seal opening range indicated in accordance with the manufacturer's recommendations. All contact surfaces between the strip seal and the frame rail shall be thoroughly coated with a lubricant adhesive before setting seal in place.

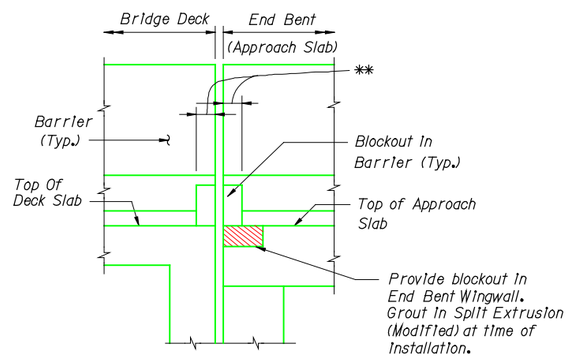
3. For joint construction at temperatures other than 21° C, adjust seal opening according to the temperature adjustment shown in the table. For temperatures above 21° C diminish opening and for temperatures below 21° C increase opening.



PARTIAL PLAN AT GUTTER LINE

(Shown at End Bent)

* The Concrete Blockout side limits shall extend to the full cross-sectional width of the Frame Rail.



VIEW C-C

(Shown at End Bent)

NOTE: Frame Rails and seal not shown for clarity. Reinforcing Steel in the Barriers shall be interrupted at 50 mm all around the Blockout.

DETAIL A - SPLIT EXTRUSION (Modified)

DETAIL B - SPLIT EXTRUSION (Modified)

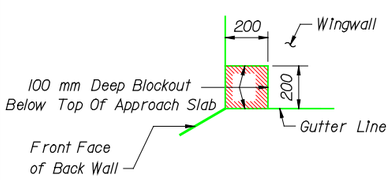
NOTE: At the Approach Slab side only of the End Bent Joint, the Split Extrusion (Modified: Frame Rail with No Horizontal/Vertical Leg) shall be utilized.

NOTES:

This sheet shows Blockouts with open end only. In case cover plates are used, see Index 403 for details.

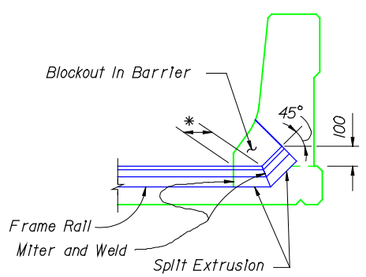
Work this Drawing with Indices 400 and 403.

All dimensions are in millimeters unless otherwise noted.



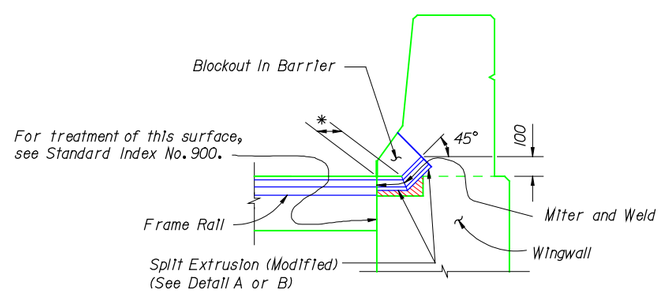
PLAN

BLOCKOUT DETAIL AT END BENT WINGWALL



SECTION A-A - THRU BRIDGE DECK

(Showing Joint only)



SECTION B-B - THRU APPROACH SLAB

(Showing Joint only)

* Varies (100 mm max.)

EXPANSION JOINT DATA

LOCATION	SEAL OPENING @ 21° C (W, mm)	MINIMUM SEAL OPENING (mm)	MAXIMUM SEAL OPENING (mm)	TEMPERATURE ADJUSTMENT (mm/°C)	ϕ LT.	ϕ RT.	PAY LENGTH OF JOINT (m)

Total Pay Length of Joint(s) = __.__ m

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			97		

	NAMES	DATES
DRAWN BY		
CHECKED BY		
DESIGNED BY		
CHECKED BY		
APPROVED BY		

ENGINEER OF RECORD:

LOGO:

SEAL:

FLORIDA DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN OFFICE

ROAD NO.	COUNTY	PROJECT NO.

SHEET TITLE: STRIP SEAL EXPANSION JOINT (JOINT WITH SKEW ANGLE)

PROJECT NAME:

DRAWING NO. 1 of 1

INDEX NO. S-402

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