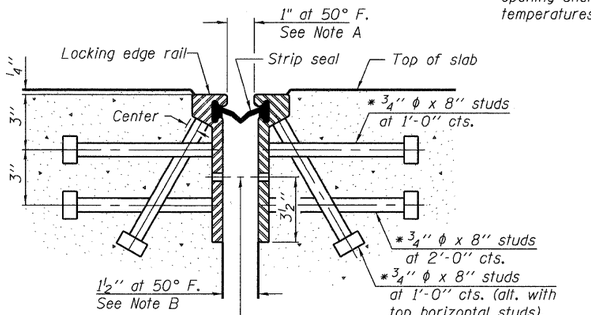
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

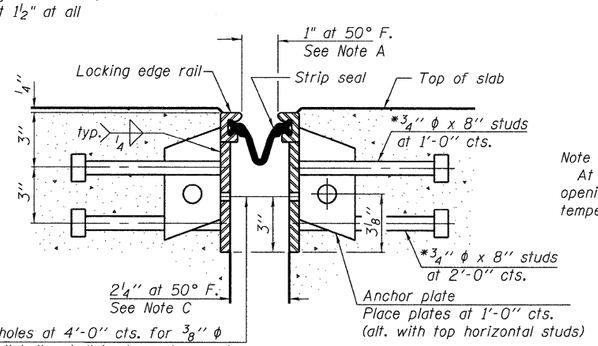
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



7/16" ϕ holes at 4'-0" cts. for ⅜" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU ROLLED RAIL JOINT

Note A:
At Hinge 14, where joint is fixed, opening shall be set at 1½" at all temperatures.



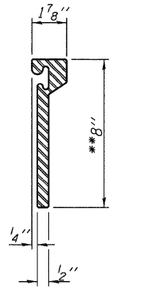
7/16" ϕ holes at 4'-0" cts. for ⅜" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU WELDED RAIL JOINT

Note B:
At Hinge 14, where joint is fixed, opening shall be set at 2" at all temperatures.

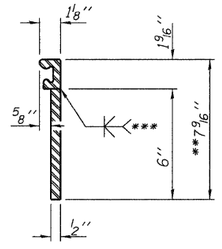
Note C:
At Hinge 14, where joint is fixed, opening shall be set at 2¾" at all temperatures.

Notes:
The strip seal shall be made continuous and shall have a minimum thickness of ¼". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.
The manufacturer's recommended installation methods shall be followed.
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.



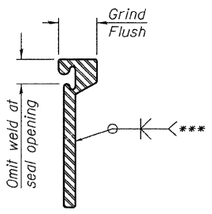
ROLLED EXTRUDED RAIL

**Trim as required to clear the stringer flange.



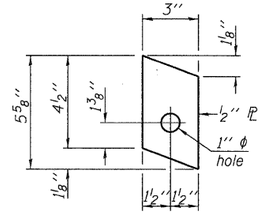
WELDED RAIL

***Back gouge not required if complete joint penetration is verified by mock-up.

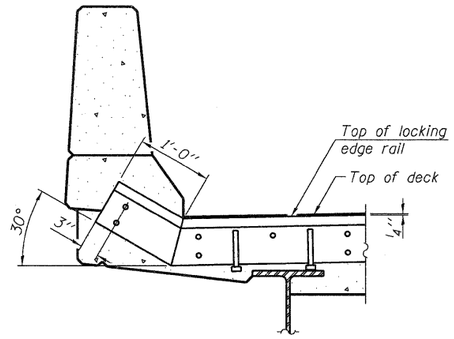


LOCKING EDGE RAIL SPLICE

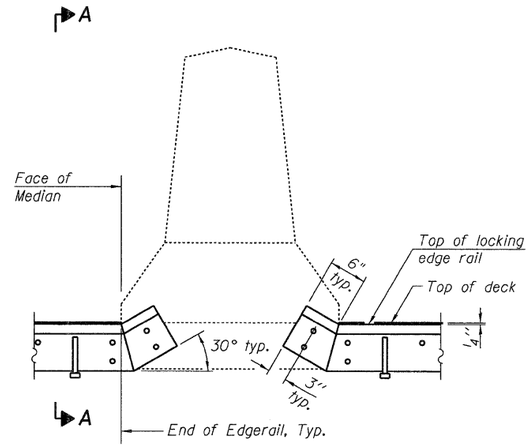
The inside of the locking edge rail groove shall be free of weld residue.



ANCHOR ℄
(for welded rail)

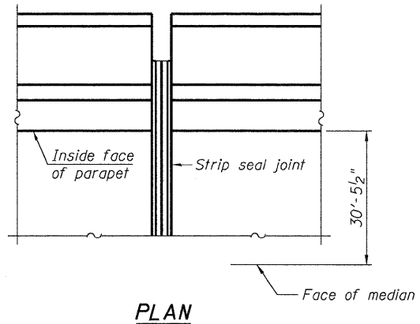


TYPICAL END TREATMENT AT PARAPET

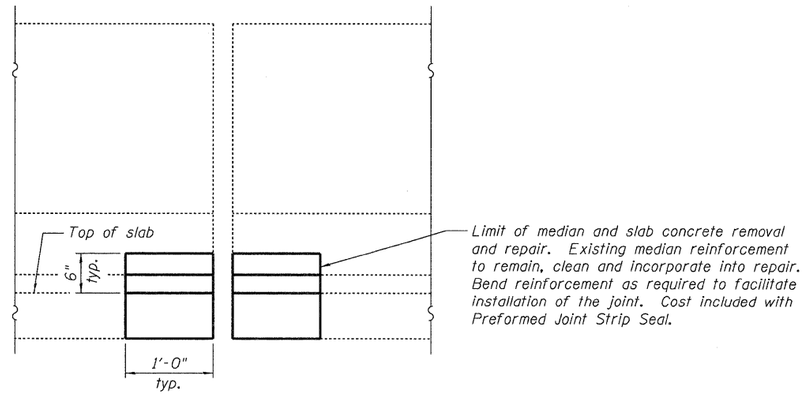


TYPICAL TREATMENT AT EXISTING MEDIAN

LOCKING EDGE RAILS



PLAN
26 Eastbound
26 Westbound



SECTION A-A

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	1636

PREFORMED JOINT STRIP SEAL
I-80 OVER
MISSISSIPPI RIVER
STRUCTURE NO. 081-0011

DESIGNED	YSS
CHECKED	DWP
DRAWN	PRC
CHECKED	YSS

09/17/09

MODJESKI and MASTERS
Consulting Engineers
SINCE 1893

SHEET NO. 30	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
33 SHEETS	80	(81-1B)M-4	ROCK ISLAND	75	57
		SN 081-0011	CONTRACT NO. 64F31		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		