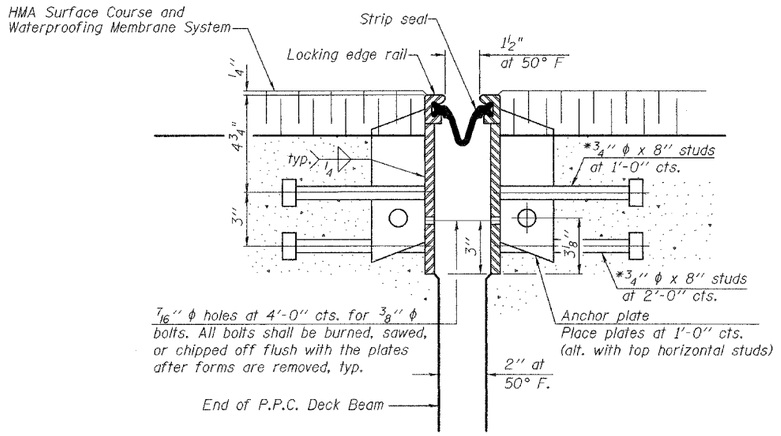
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 885	111BR-1	POPE	69	21
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

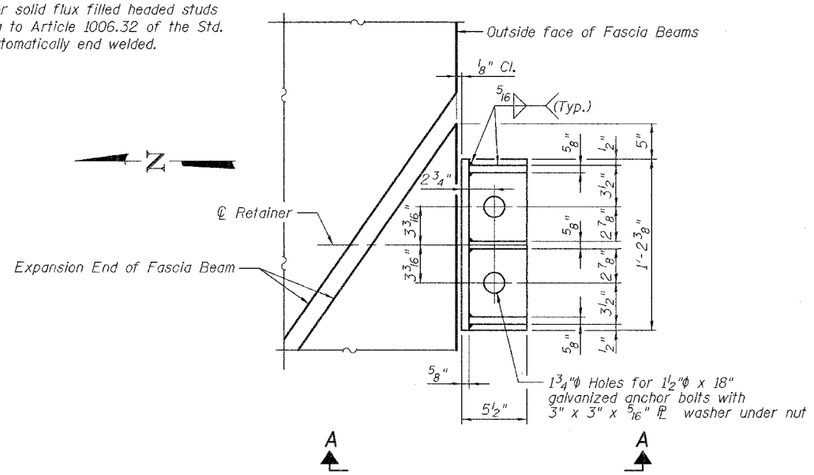
SHEET NO. 10
15 SHEETS

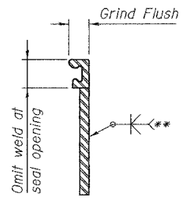
Contract #78033



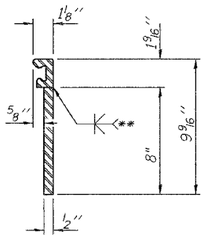
SECTION THRU STRIP SEAL JOINT

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

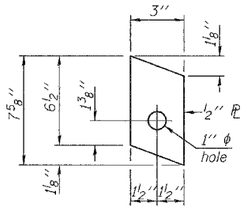




LOCKING EDGE RAIL SPLICE DETAIL



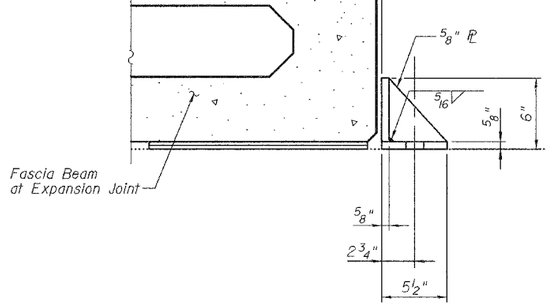
LOCKING EDGE RAIL



ANCHOR ℄

PLAN

(Southwest corner shown, others similar)



SECTION A-A SIDE RETAINER

(4 Required)

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

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.
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
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.
The inside of the Locking Edge Rail groove shall be free of weld residue.
Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.
The manufacturer's recommended installation methods shall be followed.

Notes:
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.
Fill ⅛" gap with shim ℄ to provide temporary lateral support until shear keys have been grouted and block-out has been poured and cured.
Anchor bolts shall be ASTM F1554 Gr. 55 all-thread.
The corresponding specified grade of AASHTO M 314 anchor bolts may be used in lieu of ASTM F1554.
Side retainers, anchor bolts, nuts and washers shall be galvanized according to AASHTO M 111 or M 232 (as applicable).
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
Cost of retainer angles, anchor bolts, and accessories are included with Precast Prestressed Concrete Deck Beams (21" Depth).

BILL OF MATERIAL

Item	Unit	Quantity
Preformed Joint Strip Seal	Foot	58

MODJESKI and MASTERS
Consulting Engineers
SINCE 1893

DESIGNED	YSS
CHECKED	RLM
DRAWN	PRC
CHECKED	YSS

03/18/08

EXPANSION JOINT AND SIDE RETAINER DETAILS ILL. ROUTE 146 OVER SUGAR CREEK F.A.P. ROUTE 885 - SECTION 111BR-1 POPE COUNTY STATION 671+76.00 STRUCTURE NO. 076-0006