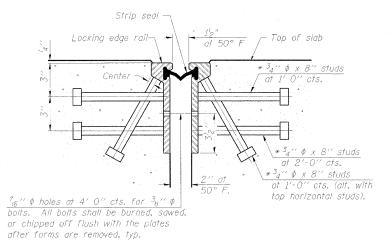
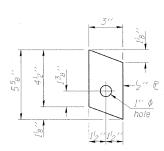
\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



## Strip seal— Locking edge rail-\_ Top of slab $\bigcirc$ at 2'-0" cts. Anchor plate Place plates at 1'-0" cts. $^{7}_{16}$ $^{\prime\prime}$ $\phi$ holes at 4'-0" cts. for $^{3}_{8}$ $^{\prime\prime}$ $\phi$ (alt. with top horizontal studs) bolts. All bolts shall be burned, sawed,

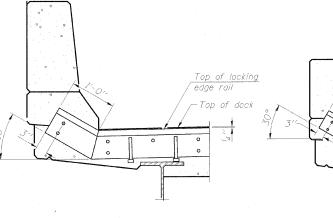
after forms are removed, typ. SECTION THRU WELDED RAIL JOINT

or chipped off flush with the plates



(for welded rail,

AT PARAPET ANCHOR P

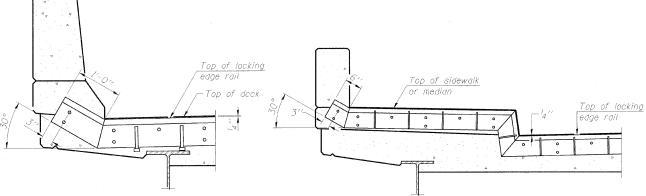


The strip seal shall be made continuous and shall have a minimum thickness of  $\frac{1}{4}$ ". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated 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.



### AT SIDEWALK OR MEDIAN

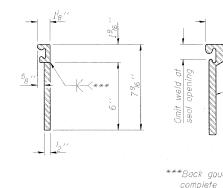
Shorter plates with a single row of studs at 12" cts, may be necessary on medians which are shallower than 9". See manufacturer's recommendation.

### TYPICAL END TREATMENTS

#### BILL OF MATERIAL

<i>Item</i>	Unit	Total
Preformed Joint Strip Seal	Foot	92

# SECTION THRU ROLLED RAIL JOINT



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

ROLLED WELDED RAIL EXTRUDED RAIL

# LOCKING EDGE RAIL SPLICE

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

LOCKING EDGE RAILS

ILE NAME = JSER NAME = SUSERS DESIGNED JXH REVISED DRAWN REVISED FILES\* CHY PLOT SCALE = \$SCALE\$ CHECKED REVISED OT DATE = \$DATE\$ DATE 10-09-09 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

**EXPANSION JOINT DETAILS (STRIP SEAL) EXCHANGE AVENUE OVER 1-55 /70 (S.N. 082-0378)** SHEET NO.S-16 OF S-37 SHEETS STA.

SECTION COUNTY TOTAL SHEE SHEETS NO. ST. CLAIR 236 82-1-1HB CONTRACT NO. 76C55 FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT