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. ** When joint is fixed, dimension is set at I_2'' . Notes: The strip seal shall be made continuous and shall have a minimum thickness of '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 monifocturer's recommended installation methods shall be followed. Notes: Strip seal Strip seal -** 1'2" at 50° F - Top of slab - Top of slab Locking edge rail at 50° F Locking edge rai **³4" \$ x 8" studs f at 1'-0" cts. ′ ¢ x 8′′ <u>studs</u> typ> Center cts. The manufacturer's recommended installation methods shall be followed. The joint opening and deck dimensions detailed on the superstructure are based on a rolled rall expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified \bigcirc *³4'' \$ x 8'' studs \<u>*³4'' ∅ x 8'' studs</u> at 2'-0'' cts. according to the dimensions detailed on this sheet. Required modifications at 2'-0" cts. 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. *³4'' \$ x 8'' studs at 1'-0'' cts. (alt. with $\frac{2^{3}_{4}}{50^{\circ}}$ Anchor plate Place plates at 1'-0'' cts. **L**<u>2</u>^{*} 50° $\frac{7_{i5}}{bolts}$, All bolts shall be burned, sawed top horizontal studs). (alt, with top horizontal studs) $\frac{7_{16}{^{\prime\prime}} \phi}{bolts.}$ All bolts shall be burned, sawed, or chipped off flush with the plates or chipped off flush with the plates after forms are removed, typ. after forms are removed, typ. SECTION THRU SECTION THRU WELDED RAIL JOINT ROLLED RAIL JOINT Grind Flush 178" 18' Top of locking edge rail Top of sidewalk or median ØM ON 11 Top of deck 58'' .31 L*** weld Ð ______ Omit sed 1/2" <u>ANCHOR P</u> *** Back gouge not required if - 2" (for complete joint penetration is verified by mock-up. welded rai AT SIDEWALK OR MEDIAN AT PARAPET Shorter plates with a single row of studs at 12" cts, may be necessary on medians <u>ROLLED</u> (EXTRUDED) RAIL WELDED RAIL LOCKING EDGE which are shallower than 9". See manufacturer's recommendation. RAIL SPLICE The inside of the locking edge TYPICAL END TREATMENTS rail groove shall be free of weld residue. Slidina Skew > 30° plates ^{∗3}₄″∮x 6″ Studs BILL OF MATERIAL LOCKING EDGE RAILS 1 ►A 1É Sliding plates Ξ Plate te Face 6" min Inside face of parapet - 3″, typ. b" Plate lap End of parapet 3" 34″ Plate ---seal joint Strip $\frac{3_4}{4} \phi$ Countersunk bolts at ±12" cts. SECTION B-B SECTION A-A PLAN POINT BLOCK DETAILS (for skews > 30°) EJ-SSJ 11-1-06 BLANK, WESSELINK, COOK & ASSOCIATES ENGINEERS - CONSULTANTS DECATUR, ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6	
95	7BR-2	EFFINGHAM	409	368	SHEETS 8	
FED.	ROAD DIST. NO. 7 ILLIN	IS FED. AID PROJECT				
CON	TRACT NO. 94350	5 .				



Item	Unit	Total
Preformed Joint Strip Seal	Foot	90

<u> BRIDGE JOINT SYSTEM - EXPANSION</u>
(ALTERNATE - STRIP SEAL)
SHEET 2 OF 2
IL ROUTE 33 OVER
LITTLE SALT CREEK
F.A.P. 95 - SECTION 7BR-2
EFFINGHAM COUNTY
<u>SN 025-0082</u>