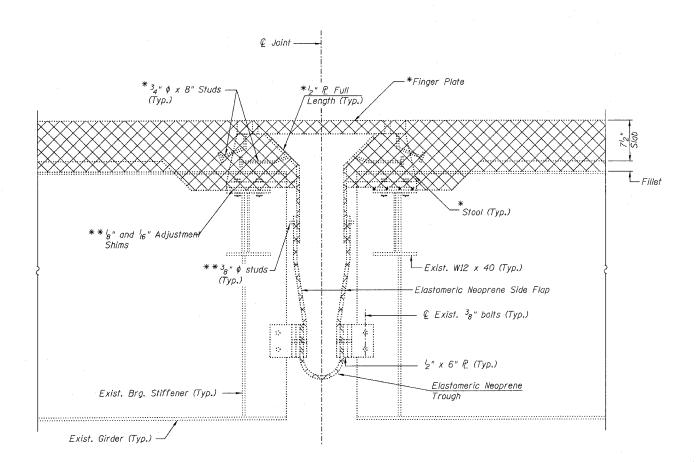
Contract # 66586





- * Indicates remove from deck and reuse
- * * Indicates reuse if in good condition

Symmetric About & Joint Exist. 34" \$\phi x 8" Studs -(2 between stools) (Typ.) – Exist. Finger Plate -Exist. 12" P Exist. $\frac{3}{4}$ " ϕ Vent holes Φ 12" cts. Exist, $\frac{3}{4}$ " ϕ x 8" Studs -Full Length (Typ.) (5 between stools) (Tvp.) **t**∟*Fillet* Thur Turk -Exist. Stool (TVD.) 2 New 12" normal shims plus exist. or new 18" 4 New 34" \$\phi\$ H.S. bolts with 3" x 3" x 38" & 16" shims (for height sq. washers (Typ.) adjustment) (Typ.) ∟Exist. W12x40 (Typ.) Exist. or new 38" \$ Studs 18" cts. with new washer & nut. New Side Flap Provide brass grommet in side flap. Cost of all items and any required removal and New 38" \$\phi\$ Stainless Steel bolts with grinding related to exist. studs is included with Remove and washers & nuts. Provide brass grommet Re-install Finger Plate Joints. (Typ.) in trough and side flap. Cost included with Remove and Re-install Finger Plate Joints. (Typ.) New Trough Exist. 12" x 6" Exist. Girder (Typ.) ₽ full length of -Exist. bearing stiffener 2 plates ⁵8" x 6³4" (Typ**.**) Trough (Typ.) Brg. ----- € Brg.

FINGER PLATE JOINT REINSTALLATION

(Weight of new ½" Shims Required = 1,640 lbs per joint, 12 Thus) (Cost of shims shall be included with Remove and Re-install Finger Plate Joints)

EXISTING AND PROPOSED JOINT DIMENSIONS

Location	Approximate Expansion (in.)	"d"=(EXP + 3") © 50°F (in.)
Pier #2	<i>3.37</i> 5	6.375
Pier #6	<i>3.8</i> 69	6.869
Pier #10	<i>3.8</i> 69	6 .8 69
Pier #14	<i>3.375</i>	6 . 375
Pier #17	3.375	6 . 375
Pier #21	3.869	6.869
Pier #25	<i>3.37</i> 5	6 . 375
Pier #28	2.750	5.750
Pier #31	2.750	5 . 750
Pier #38	2.750	5.750
Pier #41	2.750	5.750
Pier #43	1.250	4.250

NOTES:

- Cross Hatched areas indicate removal of concrete slab, finger plate expansion joint, stools, trough, and side flap.
- Existing finger plate and components shall be cleaned, painted and incorporated into the new concrete to match the top of proposed deck cross section.
- 3. Reinforcement bars in slab not shown for clarity.
- 4. All steel for shims shall be AASHTO M270 Grade 36.
- 5. See Special Provisions "Fabric Reinforced Elastomeric Trough" for the new Side Flap & Trough requirements. The length of the side flap should be field verified in order to accommodate the proposed top of slab elevations.

LIN ENGINEERING,LTD.

210 W. Chestnut Chatham, Illinots 62629 (217) 483-4168 FAX (217) 483-4706 benesch

alfred benesch & company Engineers • Surveyors • Planners 205 North Michigan Avenue, Suite 2400 Chicago, Illinois 60601 312-565-000 Job # 3856 FINGER PLATE EXPANSION JOINT

DETAILS - AT TYPICAL PIERS

ABRAHAM LINCOLN MEMORIAL BRIDGE OVER

THE ILLINOIS RIVER (PUBLIC WATERS)

F.A.I. ROUTE 39 SEC. (50-4B) BR

LASALLE COUNTY

STATION 863+16.00

STRUCTURE NO. 050-0191 (SB & NB)

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04:07 AM

8/30/2006

DESIGNED -

DRAWN

CHECKED -

CHECKED -

AJK

KHH

MTH