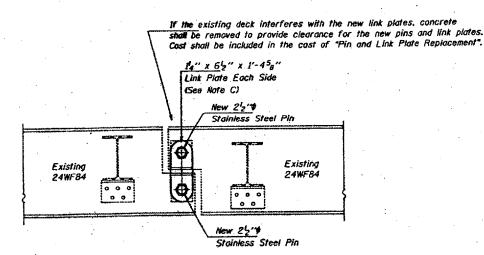


ELEVATION AT EXISTING PIN ASSEMBLY SPANS 12, 13 AND 14

Any Pins that can be easily removed without damage to the pin shall be salvaged and the Bridge Engineer shall be contacted for disposition. Cost of salvage is included in "Pin and Link Plate Replacement".



The hole in the existing webs and web reinforcing plates

shull be in Line bored to 3"# nominal (See Note 8)

ELEVATION AT NEW PIN ASSEMBLY SPANS 12, 13 AND 14

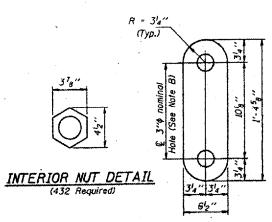
DESIGNED. VHV

CHECKED CHE

DRAWN Paul Summer

CHECKED VHV CME

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



LINK PLATE DETAIL (216 Required)

COUNTY: ALEXANDER, IL; MISSISSIPPI, MO SHEET <u>55</u> OF 67 FOR INFORMATION ONLY - 58" thick Hex Nuts (Each Side) Nuts shall be ASTM A-576. Grade 12L14. minimum yield of 36 ksi. (See Note E) 134" Thread (Typical) 212" nominal diameter Pin (diameter tolerances subject to Specifications of Teflon Bushing (Typ.) 16 Manufacturer and shall be approved by the Engineer). Pln shall be ASTM A276. UNS 21800 (Nitronic 60 or equal) (No step at threads) 12 threads per inch. Install prior to new link plates. Silicone Sealant suitable for Structural Steel (See Note F) SECTION THRU PIN

CONTRACT: 78040

ROUTE: F.A.I. 57 SECTION: (02-1B-1)P-1

Drill and Tap for 4"4 -20 } Set Bolt EXTERIOR NUT DETAIL

4"4 Hex. Head Set Bolt (Tighten firmly against Neoprene) 7" 36" x 4" thick Neoprene Pad (55 Durometer)

DETAIL A

Set Bolts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

Notes: For notes A thru F see sheet 2 of 13.

MAXIMUM REACTIONS AT PIN

| RQ | (K) | 12.9 |
|-----------|-----|------|
| RE | (K) | 36.9 |
| Imp. | (K) | 11.0 |
| R (Total) | (K) | 60.8 |

BRIDGE NO. 1 STRUCTURE NO. 002-0022 FOR INFORMATION ONLY PIN AND LINK PLATE REPLACEMENT SPANS 12, 13 AND 14 F.A.I. ROUTE 57 SEC. 02-18-1 ALEXANDER COUNTY STA. 1168+50 STR. No. 002-0022

FEBRUARY 19, PASSED