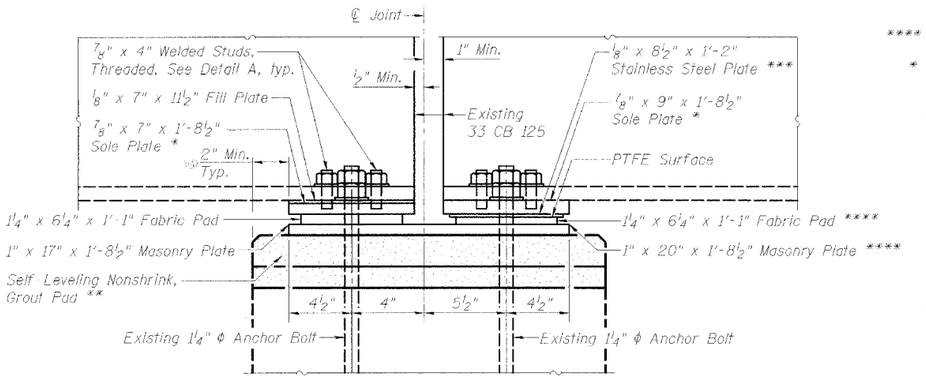
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

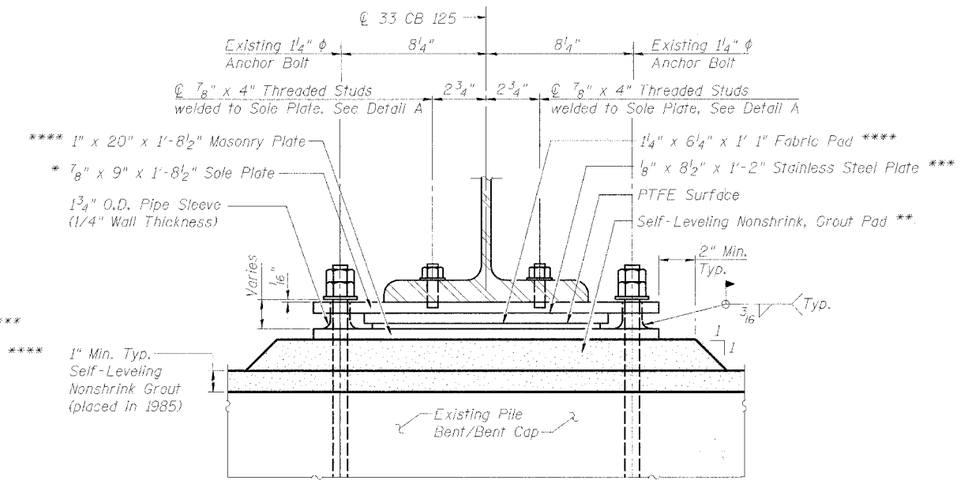
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 17	6000 M-1	CARROLL	20	10
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 5
15 SHEETS

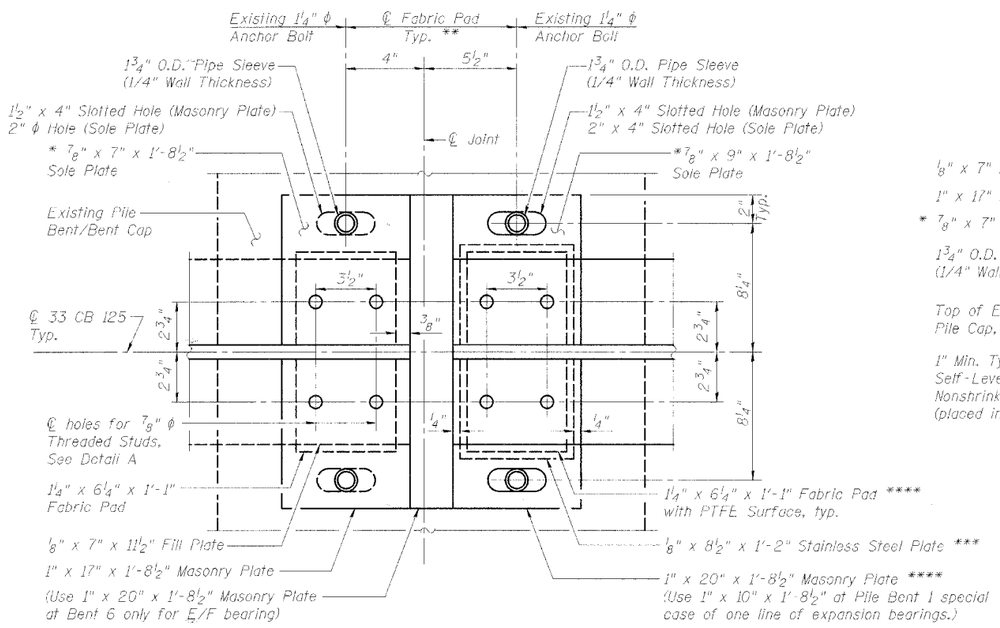


FIXED BEARING — EXPANSION BEARING

SIDE ELEVATION

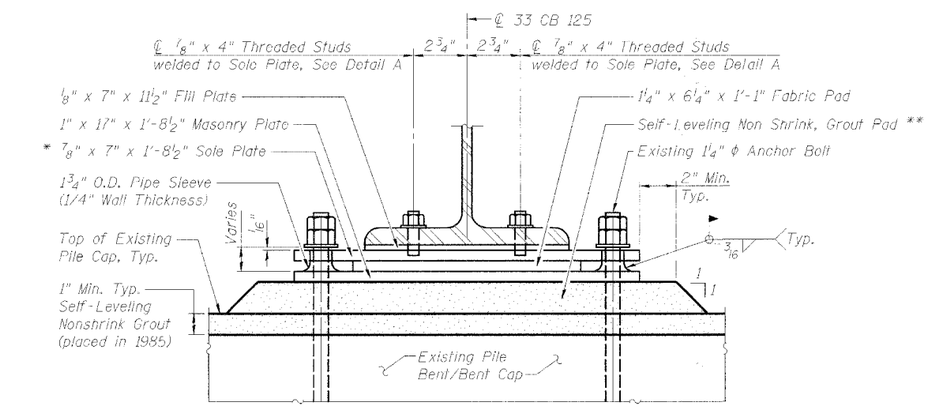


FRONT ELEVATION - EXPANSION BEARING

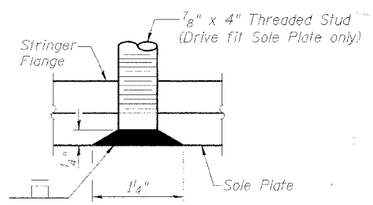


FIXED BEARING — EXPANSION BEARING

PLAN



FRONT ELEVATION - FIXED BEARING



DETAIL A

STRINGER BEARING REPAIRS

See Schedule, Sht. 7 of 15.

1. Jack superstructure and remove existing bearings as noted. Loosen nuts on bearings at far ends of stringer to prevent bending of bearing bolts and studs, and jack far ends as needed.

2. As directed by the Engineer, where necessary, remove unsound concrete from bearing area to a maximum depth of four inches below top of pile cap.

3. As directed by the Engineer, where necessary, using self leveling nonshrink grout, repour bearing seats to elevations of bottom of masonry plates.

4. Place fixed bearing unit or expansion bearing unit on bearing area.

5. Replace existing bearings in kind as scheduled. Reset stringer on new bearings and fasten washers and nuts to anchor bolts and welded studs. Repair damaged anchor bolts as necessary using detail on Sht. 4 of 15.

6. 2" min. nonshrink grout beyond all edges of Masonry Plate.

7. Minimum dimension from edge of Masonry Plate to face of pile/bent cap shall be 2 inches unless approved by the Engineer.

NOTES

* See Sht. 6 of 15 for Sole Plate Thickness table and Stringer Dimension table.

** As directed by the Engineer, where necessary, remove and replace existing pile bent or bent cap bearing seats with nonshrink grout (min. depth 1") to ensure uniform bearing area when replacing bearings.

*** Bond Stainless Steel Plate to Sole Plate using a high temperature resistant epoxy.

**** Bond Fabric Pad to Masonry Plate using high temperature resistant epoxy.

DESIGNED	PJL
CHECKED	LLV
DRAWN	MGM
CHECKED	PJL

BEARING DETAILS
F.A.P. RTE. 17 (US 52/IL 64)
OVER MISSISSIPPI RIVER
SECTION 6000 M-1
CARROLL COUNTY (IL)
JACKSON COUNTY (IA)
STRUCTURE NO. 008-6000

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