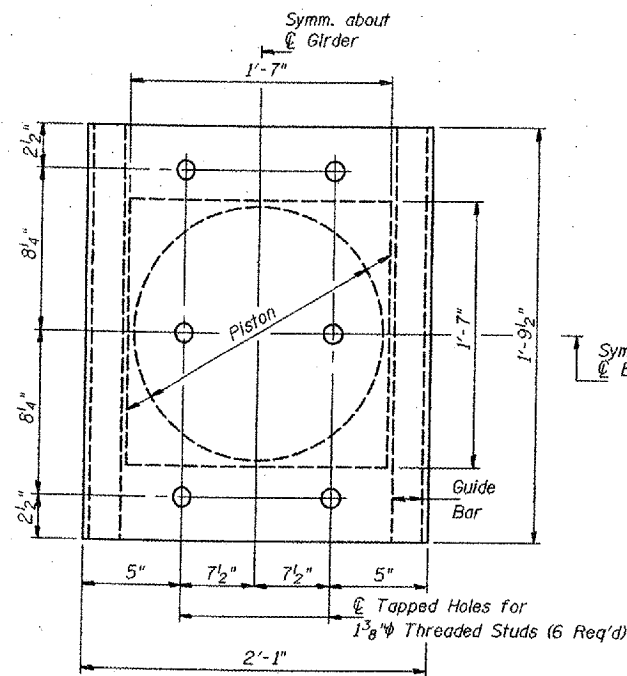


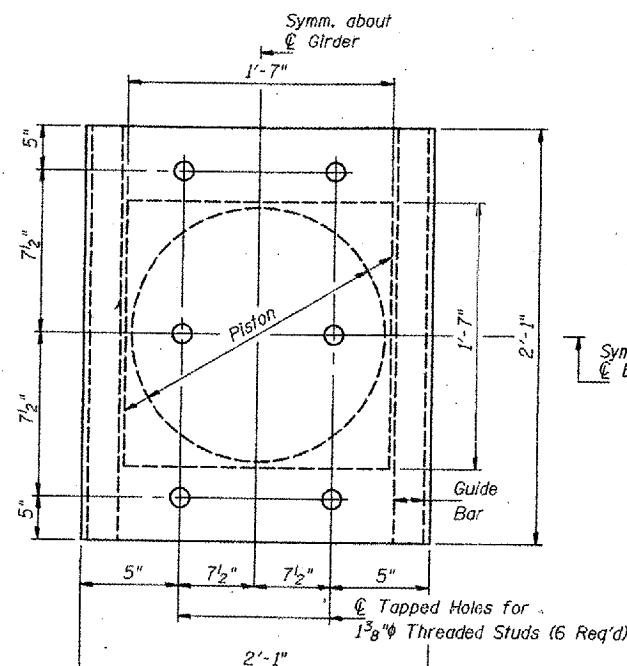
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTRACT: 98990
ROUTE: INTERSTATE 24
SECTION: (64-3B) I-6
COUNTY: MASSAC, IL; McCRACKEN, KY
SHEET 95 OF 99
FOR INFORMATION ONLY

ROUTE NO.
F.A.I.
24
FEL. ROAD 011

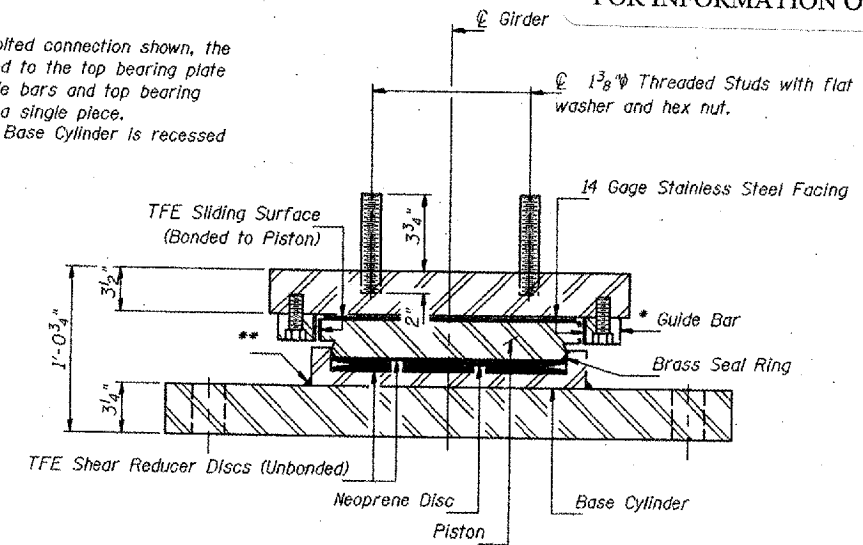


**NORTH ABUTMENT PLAN
TOP BEARING PLATE AND PISTON**



**SOUTH ABUTMENT PLAN
TOP BEARING PLATE AND PISTON**

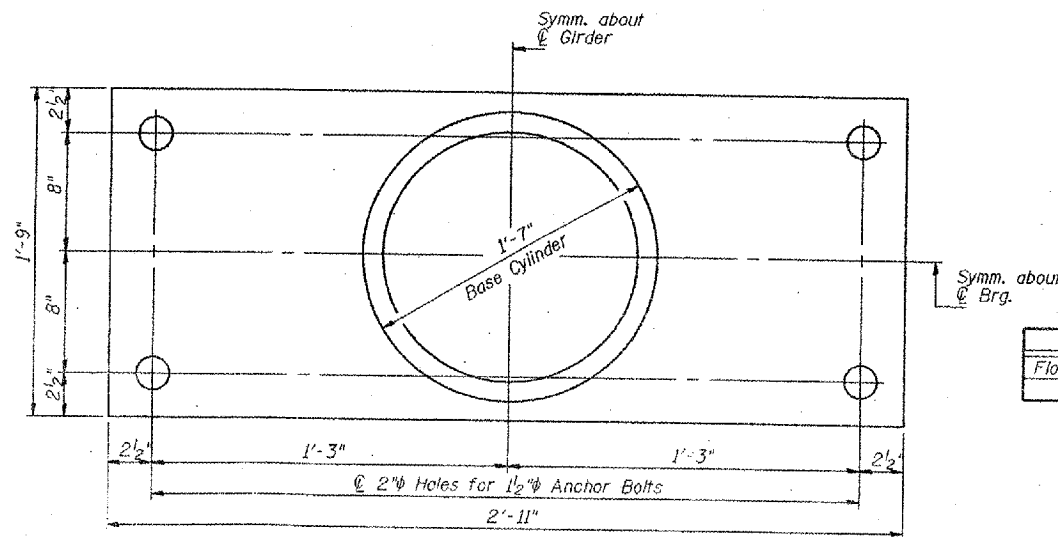
* As an alternate to the bolted connection shown, the guide bars may be connected to the top bearing plate by groove welds or the guide bars and top bearing plate may be fabricated as a single piece.
** Weld may be omitted if Base Cylinder is recessed into Bottom Plate.



BEARING ASSEMBLY

BEARING DATA		
	N. Abut.	S. Abut.
RR (K)	508.0	490.8
R4 (K)	171.5	170.0
RIMP (K)	26.5	26.7
RR+4+1 (K)	706.0	687.5
Expansion Length	300'-0"	600'-0"

Notes: Provide 2-1/8" x 1'-9" x 2'-11" adjusting shims per Bearing. Included in quantity for "Structural Steel Repair" on sheet 19 of 22. The Contractor is responsible for adjusting dimensions as required in the field for the actual floating bearing used. Dimensions to be adjusted shall be submitted to the Engineer for approval prior to fabrication of bearings.
Bottom bearing plate thickness was determined by using a pot diameter of 19 inches.
Cost of field drilling is included with Structural Steel Repair. For Anchor Bolt installation details, see sheet 22 of 22.
Minimum combined jack capacity = 500 Tons



PLAN - BOTTOM BEARING PLATE

BILL OF MATERIAL

Item	Unit	Total
Floating Bearings, Guided Expansion, 700 k	Each	4

**REPAIR DETAIL "Q"
FLOATING BEARINGS
F.A.I. 24 OVER OHIO RIVER
MASSAC COUNTY
S.N. 064-0035**

DESIGNED P.S.J.
CHECKED V.H.V.
DRAWN Drew Christopher
CHECKED P.S.J. V.H.V.

December 6, 2002
EXAMINED **John A. Morris**
ENGINEER OF STRUCTURAL SERVICES
PASSED
ENGINEER OF BRIDGES AND STRUCTURES