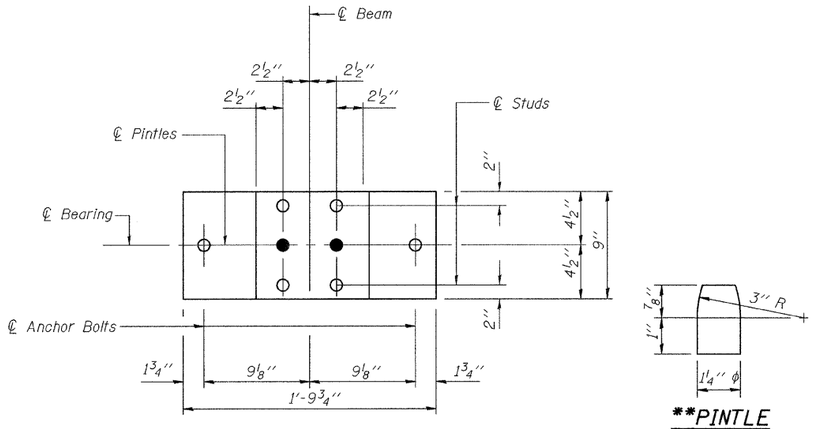
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9181	52BR	ST. CLAIR	41	34
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

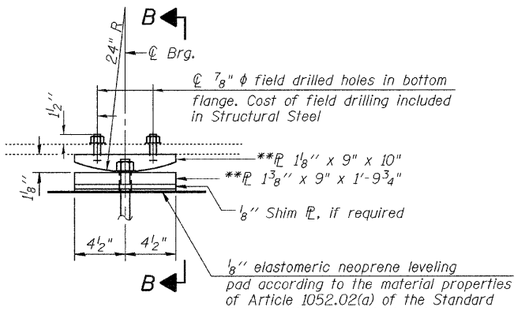
SHEET NO. 18
25 SHEETS

Contract #76120

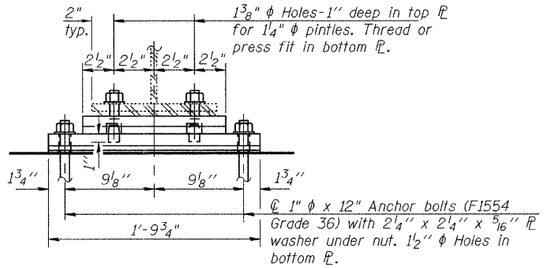


PLAN-FIXED BEARING PLATES

**PINTLE

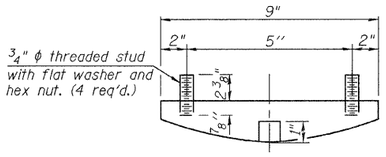


ELEVATION AT PIER 2



SECTION B-B

FIXED BEARING PIER 2
(10 Req'd.)



**℄ 1⅛" x 9" x 10" DETAIL

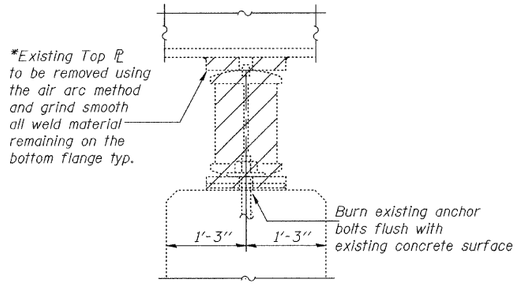
**AASHTO M270 Gr. 50

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.



AT PIER 2

JACK AND CRIB EXISTING BEARING

Hatched areas indicate removal of existing bearings.
**Cost included with Jacking and Cribbing of Existing Bearings at Pier 2.*

JACKING AND CRIBBING PROCEDURE

1. *The Contractor shall submit details and plans for approval in accordance with the Speical Provision prior to commencing any work at the bearings.*
2. *Jacking and Cribbing shall be done in each stage after the removal of the existing bridge deck in that stage is complete.*
3. *Jacking shall be limited to the maximum dimensions shown in the Special Provision.*
4. *The maximum dead load reaction with deck removed per bearing at the piers is 10 Kips. The minumim jack capacity per bearing at the piers is 15 Kips.*
5. *The new bearings shall be in place and the jacks shall be lowered before the new concrete deck is poured.*

BILL OF MATERIAL

Item	Unit	Total
Jacking and Cribbing	Each	10

DESIGNED	WAB/SMR
CHECKED	DFZ/FT
DRAWN	BML PAUL W. SWEET
CHECKED	DFZ/SMR/DPN/FT

November 23, 2009
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

BEARING DETAILS AT PIER 2
F.A.U. RTE. 9181 - SECTION 52BR
ST. CLAIR COUNTY
STATION 39+89.80
STRUCTURE NO. 082-0136

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