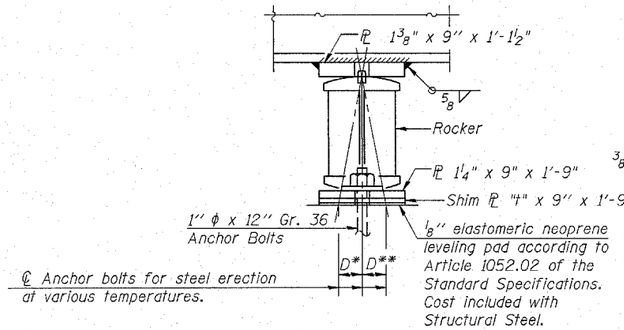
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

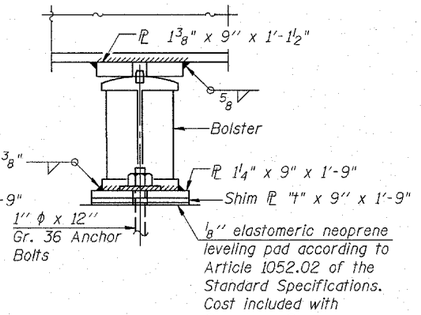
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 301 (US 20)	(2HB -1)D	WINNEBAGO	107	80
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 15
34 SHEETS

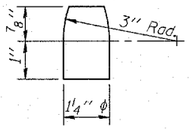
Contract #64807



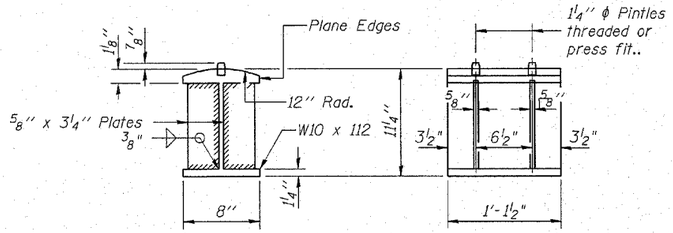
PIER 2 D** → Fixed Pier



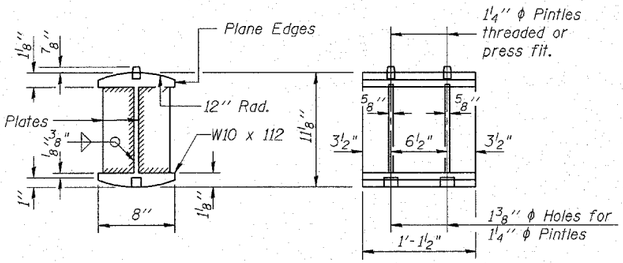
PIER 1



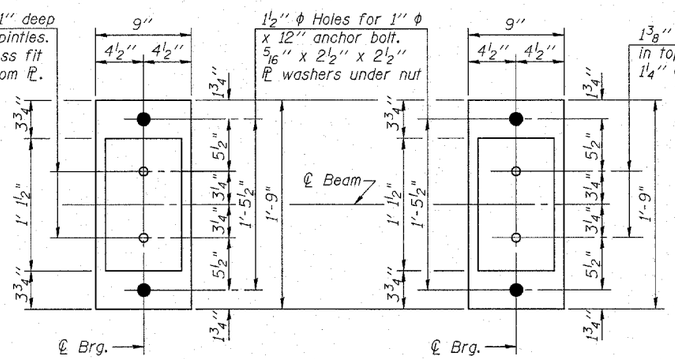
DETAIL OF PINTLE



DETAIL OF BOLSTER AT PIER 1



DETAIL OF ROCKER AT PIER 2



PLAN AT PIER 2 BEAMS 1 & 12

PLAN AT PIER 1 BEAMS 1 & 12

* D=1/8"/100 ft. of exp. for every 15° below the normal temp. of 50°F.

** D=1/8"/100 ft. of exp. for every 15° above the normal temp. of 50°F.

NOTES FOR SETTING OF ANCHOR BOLTS AT EXPANSION BEARINGS

a.) D* (Side of brg. away from fixed brg.) D* = 1/8" per each 100' of expansion for every 15° fall below the normal temp. of 50° F.

D** (Side of brg. toward fixed brg.) D** = 1/8" per each 100' of expansion for every 15° rise above the normal temp. of 50° F.

b.) After girders have been erected and dimensions D* & D** determined, holes shall be drilled and anchor bolts shall be installed as shown on Sheets 16 & 17. All fixed anchor bolts may be built into the masonry.

NOTES:

Anchor bolts at fixed bearings may be built into the masonry.

See sheet 17 for Anchor Bolt installation.

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=36 ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

The structural steel of the Bearing Assembly shall conform to the requirements of AASHTO M270 Grade 50.

BILL OF MATERIAL

Item	UNIT	QUANTITY
Anchor Bolts 1"ϕ	Each	8

DESIGNED	SSM
CHECKED	JLA
DRAWN	GYR
CHECKED	SSM

I-2 10-22-04

Plans Prepared by: Kudrna & Associates, Ltd.

STEEL BEARINGS AT PIERS
F.A.P. ROUTE 301 (US 20)
OVER SIMPSON ROAD
SECTION (2HB-1)D
WINNEBAGO COUNTY
STATION 849+27.97
STRUCTURE NO. 101-0053 (W.B.)
STRUCTURE NO. 101-0054 (E.B.)