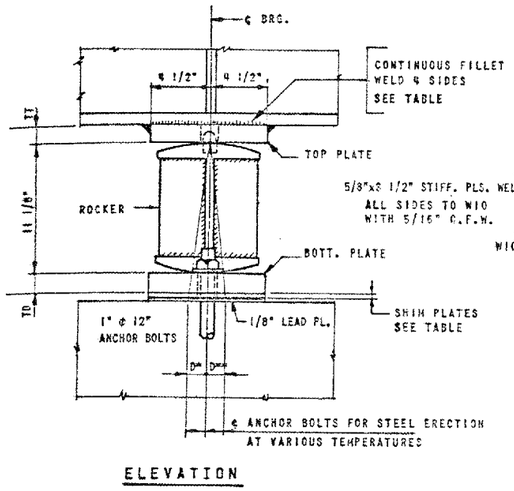
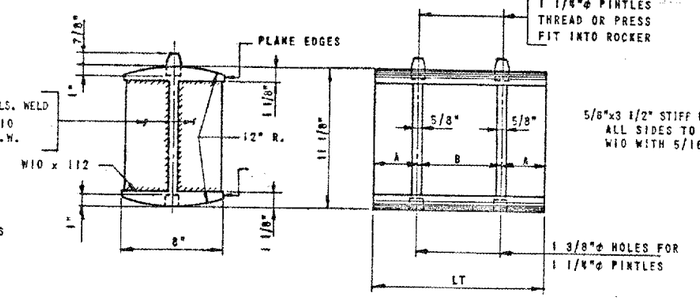
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2006-019 BP	COOK	37	35A

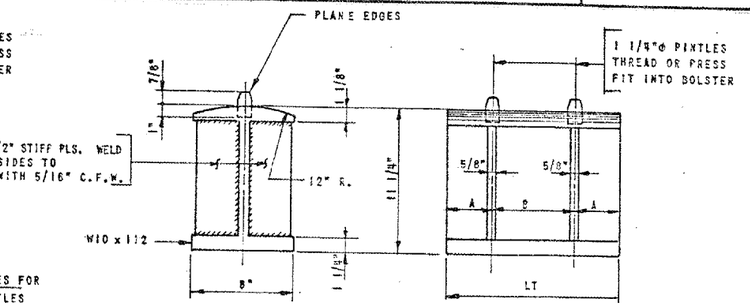
CONTRACT NO. 60B44



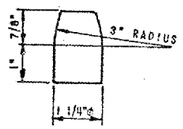
ELEVATION



ROCKER



BOLSTER



PINTLE

NOTE A

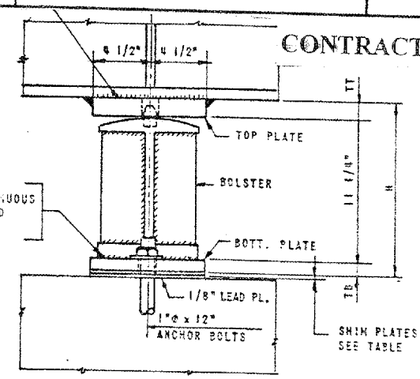
1 3/8"℄ HOLES - 1" DEEP IN TOP PL. FOR PINTLES. THREAD OR PRESS FIT PINTLES INTO BOTTOM PL.

NOTE B

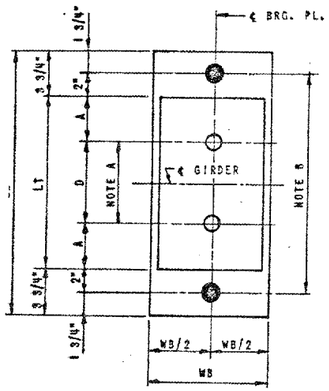
1 1/2"℄ HOLES FOR 1"℄ ANCHOR BOLTS. 5/16" x 2 1/2" x 2 1/2" PL. WASHERS UNDER NUT.

NOTE C

1 3/8"℄ HOLES 1" DEEP INTO TOP PL. ONLY FOR 1 1/4"℄ PINTLES.

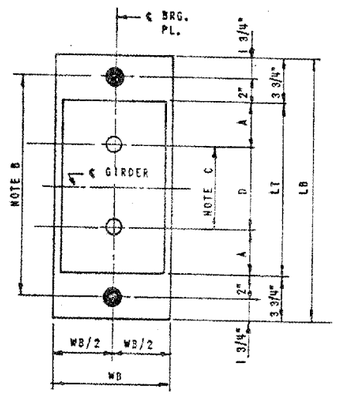


ELEVATION



PLAN

EXPANSION BEARING ASSEMBLY



P L A N

FIXED BEARING ASSEMBLY

NOTE:
FOR MASONRY PLATE CLIP CORNER SEE PRECEDING SHEET.

B U R N H A M B E A R I N G S

LOCATION	BRG. TYP.	NO. REQ'D.	TOP PLATE TT	TOP PLATE WT	TOP PLATE LT	TOP PLATE A	TOP PLATE D	BOTTOM PLATE TB	BOTTOM PLATE WB	BOTTOM PLATE LB	BOTTOM PLATE A	BOTTOM PLATE D	STIFF. SPACING A	STIFF. SPACING B	CONT. FILLET WELD	℄ H	+WT. LBS. EACH	TOTAL WT.
℄ BRG. S. ABUT.	EXP.	12	1 3/8"	9"	13"	3 1/4"	6 1/2	1 5/8"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2	1/2"	14 1/8"	302	3,624
℄ BRG. PIER 1	EXP.	12	1 3/4"	9"	17 1/2"	2 3/4"	12"	2"	10 1/2"	25"	2 3/4"	12"	2 3/4"	2 @ 6"	1/2"	14 7/8"	457	5,484
℄ BRG. PIER 2	FIX.	12	1 7/8"	9"	17 1/2"	2 3/4"	12"	1 1/4"	15 1/2"	25"	-	-	2 3/4"	2 @ 6"	1/2"	14 3/8"	451	5,412
℄ S. BRG. PIER 3	EXP.	12	1 3/8"	9"	13"	3 1/4"	6 1/2"	1 5/8"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2"	1/2"	14 1/8"	302	3,624
℄ N. BRG. PIER 3	EXP.	10	1 3/8"	9"	13"	3 1/4"	6 1/2"	1 5/8"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2"	1/2"	14 1/8"	302	3,624
℄ BRG. PIER 4	EXP.	10	1 3/4"	9"	14"	3 1/2"	7"	2 7/8"	14 1/2"	21 1/2"	3 1/2"	7"	3 1/2"	7"	1/2"	15 3/4"	500	5,000
℄ BRG. PIER 5	FIX.	10	1 7/8"	9"	13 1/2"	3 1/2"	6 1/2"	2"	20"	21"	-	-	3 1/2"	6 1/2"	1/2"	15 1/8"	484	4,840
℄ BRG. PIER 6	EXP.	10	1 3/4"	9"	14"	3 1/2"	7"	2 7/8"	14 1/2"	21 1/2"	3 1/2"	7"	3 1/2"	7"	1/2"	15 3/4"	500	5,000
℄ S. BRG. PIER 7	EXP.	10	1 3/8"	9"	13"	3 1/4"	6 1/2"	1 5/8"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4	6 1/2"	1/2"	14 1/8"	302	3,020
℄ N. BRG. PIER 7	EXP.	10	1 3/8"	9"	13"	3 1/4"	6 1/2"	1 5/8"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2"	1/2"	14 1/8"	302	3,020
℄ BRG. PIER 8	EXP.	10	1 3/4"	9"	14"	3 1/2"	7"	2 7/8"	14 1/2"	21 1/2"	3 1/2"	7"	3 1/2"	7"	1/2"	15 3/4"	500	5,000
℄ BRG. PIER 9	FIX.	10	1 7/8"	9"	13 1/2"	3 1/2"	6 1/2"	2"	20"	21"	-	-	3 1/2"	6 1/2"	1/2"	15 1/8"	484	4,840
℄ BRG. PIER 10	EXP.	10	1 3/4"	9"	14"	3 1/2"	7"	2 7/8"	14 1/2"	21 1/2"	3 1/2"	7"	3 1/2"	7"	1/2"	15 3/4"	500	5,000
℄ S. BRG. PIER 11	EXP.	10	1 3/8"	9"	13"	3 1/4"	6 1/2"	1 5/8"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2"	1/2"	14 1/8"	302	3,020
℄ N. BRG. PIER 11	EXP.	10	1 3/8"	9"	13"	3 1/4"	6 1/2"	1 5/8"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2	1/2"	14 1/8"	302	3,020
℄ BRG. PIER 12	EXP.	10	1 3/4"	9"	14"	3 1/2"	7"	2 7/8"	14 1/2"	21 1/2"	3 1/2"	7"	3 1/2"	7"	1/2"	15 3/4"	500	5,000
℄ BRG. PIER 13	FIX.	10	1 7/8"	9"	13 1/2"	3 1/2"	6 1/2"	2"	20"	21"	-	-	3 1/2"	6 1/2"	1/2"	15 1/8"	484	4,840
℄ BRG. PIER 14	EXP.	10	1 3/4"	9"	14"	3 1/2"	7"	2 7/8"	14 1/2"	21 1/2"	3 1/2"	7"	3 1/2"	7"	1/2"	15 3/4"	500	5,000
℄ S. BRG. PIER 15	EXP.	10	1 3/8"	9"	13"	3 1/4"	6 1/2"	1 5/8"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2"	1/2"	14 1/8"	302	3,020
℄ N. BRG. PIER 15	EXP.	10	1 3/8"	9"	13"	3 1/4"	6 1/2"	1 5/8"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2"	1/2"	14 1/8"	302	3,020
℄ BRG. PIER 16	FIX.	10	1 7/8"	9"	13 1/2"	3 1/2"	6 1/2"	2"	20"	21"	-	-	3 1/2"	6 1/2"	1/2"	15 1/8"	484	4,840
℄ BRG. PIER 17	EXP.	10	1 3/4"	9"	14"	3 1/2"	7"	2 7/8"	14 1/2"	21 1/2"	3 1/2"	7"	3 1/2"	7"	1/2"	15 3/4"	500	5,000
℄ S. BRG. PIER 18	EXP.	10	1 3/8"	9"	13"	3 1/4"	6 1/2"	1 5/8"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2"	1/2"	14 1/8"	302	3,020
℄ N. BRG. PIER 18	EXP.	10	1 3/8"	9"	13"	3 1/4"	6 1/2"	1 5/8"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2"	1/2"	14 1/8"	302	3,020
℄ BRG. PIER 19	FIX.	10	2 3/8"	9"	17 1/2"	2 3/4"	12"	1 7/8"	19"	25"	-	-	2 3/4"	2 @ 6"	5/8"	15 1/2"	530	5,300
℄ BRG. PIER 20	EXP.	10	2 1/4"	9"	17 1/2"	2 3/4	12"	2 3/4"	14 1/2"	25"	2 3/4"	12"	2 3/4"	2 @ 6"	5/8"	16 1/8"	616	6,160
℄ S. BRG. PIER 21	EXP.	10	1 3/8"	9"	13"	3 1/4"	6 1/2"	1 5/8"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2"	1/2"	14 1/8"	302	3,020
℄ N. BRG. PIER 21	EXP.	10	1 1/2"	9"	17 1/2"	3"	11 1/2"	1 1/2"	9"	25"	3"	11 1/2"	3"	2 @ 5 3/4"	1/2"	14 1/8"	392	3,920
℄ BRG. PIER 22	FIX.	10	2 1/2"	9"	19 1/2"	3"	13 1/2"	1 3/4"	18"	27"	-	-	3"	2 @ 6 3/4"	5/8"	15 1/2"	617	6,170
℄ BRG. PIER 23	EXP.	10	2 1/2"	9"	19 1/2"	3"	13 1/2"	2 3/8"	12"	27"	3"	13 1/2"	3"	2 @ 6 3/4"	5/8"	16"	634	6,340
℄ S. BRG. PIER 24	EXP.	10	1 1/2"	9"	17 1/2"	3"	11 1/2"	1 1/2"	9"	25"	3"	11 1/2"	3"	2 @ 5 3/4"	1/2"	14 1/8"	332	3,320
℄ N. BRG. PIER 24	EXP.	10	1"	9"	13"	3 1/4"	6 1/2"	1 1/2"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2"	1/2"	13 5/8"	283	2,830
℄ BRG. PIER 25	EXP.	10	2 1/8"	9"	17 1/2"	3"	11 1/2"	2 1/2"	12 1/2"	25"	3"	11 1/2"	3"	2 @ 5 3/4"	1/2"	15 3/4"	548	5,480
℄ BRG. PIER 26	FIX.	10	2 1/8"	9"	17 1/2"	3"	11 1/2"	1 3/4"	18"	25"	-	-	3"	2 @ 5 3/4"	1/2"	15 1/8"	549	5,490
℄ BRG. PIER 27	EXP.	10	2 1/8"	9"	17 1/2"	3"	11 1/2"	2 1/2"	12 1/2"	25"	3"	11 1/2"	3"	2 @ 5 3/4"	1/2"	15 3/4"	548	5,480
℄ BRG. N. ABUT.	EXP.	10	1"	9"	13"	3 1/4"	6 1/2"	1 1/2"	9"	20 1/2"	3 1/4"	6 1/2"	3 1/4"	6 1/2"	1/2"	13 5/8"	283	2,830

TOTAL BEARING WT (LBS.) 156,824

+ = LEAD PLATE INCLUDED
* = 1/8" LEAD PLATE NOT INCLUDED

ITES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

1) 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.

2) AFTER BEAMS HAVE BEEN ERECTED AND DIMENSIONS D* OR D** DETERMINED, HOLES SHALL BE DRILLED AND ANCHOR BOLTS SHALL BE GROUTED IN PLACE. ALL FIXED ANCHOR BOLTS MAY BE BUILT INTO THE MASONRY.

REVISIONS		
DATE	BY	DESCRIPTION

LOCATION NO.3

EXIST. BRIDGE PLANS
BURNHAM AVE VIADUCT
SN: 016-0806