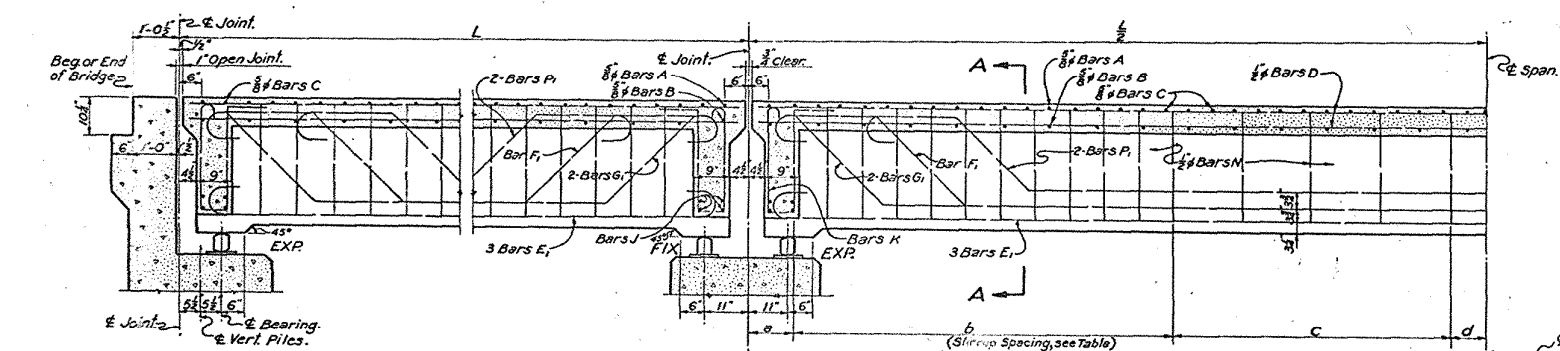


[illegible]

The image contains three technical drawings illustrating the bearing details for a bridge pier. The top drawing shows the 'BEARING AT FIXED END' with a note: 'Note: Top & Bottom Casting must be level. 1x 8" Steel Bars welded to B. with cont. Weld.' It includes dimensions for the top casting (1'-0" height, 8" width), bottom casting (1'-2" width), and reinforcement (8x1/2" bars, 1x 8" bars welded to the bottom flange). The middle drawing shows the 'BEARING AT EXPANSION END' with a note: 'Note: Top & Bottom Casting must be level. 1x 8" Steel Bars welded to B. with cont. Weld.' It includes dimensions for the top casting (1'-0" height, 8" width), bottom casting (1'-2" width), and reinforcement (8x1/2" bars, 1x 8" bars welded to the bottom flange). The bottom drawing shows a cross-section of the bearing assembly with a note: '1x 8" Pintle to have press fit in Roller.' It includes dimensions for the pintle (1/2" diameter, 1'-0" height) and the roller (1'-0" height, 8" width).

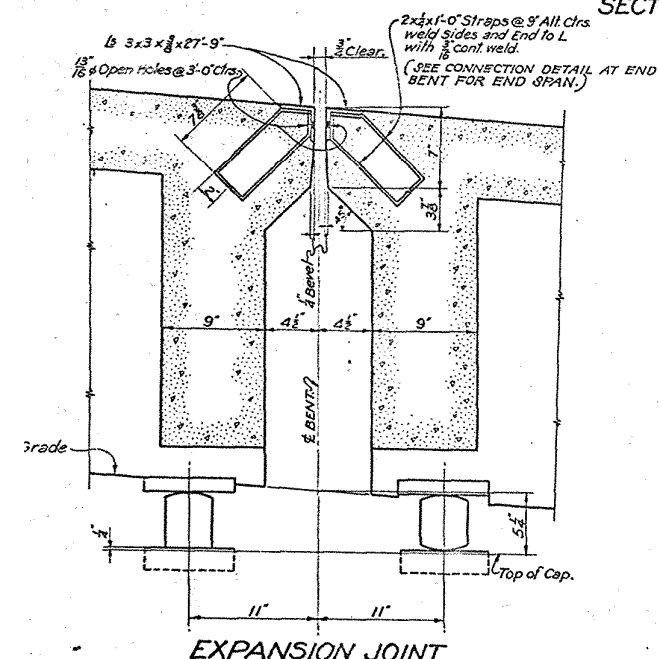
BEARING AT EXPANSION END



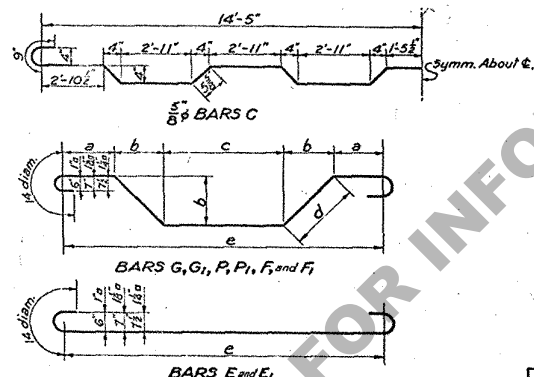
END SPAN

SECTION NEAR & ROADWAY

INTERMEDIATE SPAN

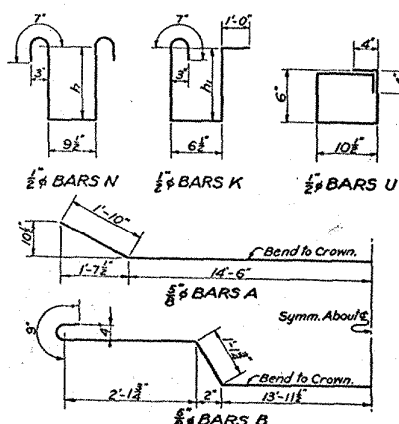


EXPANSION JOINT



CONNECTION DETAIL AT END BENT

SPAN	h	h_1
30'	$2'-5\frac{1}{2}"$	$2'-2\frac{1}{2}"$
32'	$2'-6\frac{1}{2}"$	$2'-3\frac{1}{2}"$
34'	$2'-8\frac{1}{2}"$	$2'-5\frac{1}{2}"$
36'	$2'-10\frac{1}{2}"$	$2'-7\frac{1}{2}"$
38'	$2'-11\frac{1}{2}"$	$2'-8\frac{1}{2}"$
40'	$3'-1\frac{1}{2}"$	$2'-10\frac{1}{2}"$



Symm. About

[illegible]

BAR	DIM.	30° SPAN	32° SPAN	34° SPAN	36° SPAN	38° SPAN	40° SPAN
E	e	28'-1"	30'-1"	32'-1"	34'-1"	36'-1"	38'-1"
E_1	e	28'-1"	30'-1"	32'-1"	34'-1"	36'-1"	38'-1"
	a	0'-3"	0'-3"	0'-3"	0'-3"	0'-3"	0'-3"
	b	2'-0 5/8	2'-1 1/2	2'-3 5/8	2'-5 1/2	2'-6 5/8	2'-8
G	c	23'-6"	25'-4"	27'-0"	28'-8"	30'-6"	32'-6"
	d	2'-10 5/8	3'-0"	3'-2 5/8	3'-5 5/8	3'-7 5/8	3'-10
	e	28'-1"	30'-1"	32'-1"	34'-1"	36'-1"	38'-1"
	a	2'-0"	2'-0"	2'-2"	2'-4"	2'-5"	2'-6"
	b	2'-0 5/8	2'-1 1/2	2'-3 5/8	2'-5 1/2	2'-6 5/8	2'-8
F	c	20'-0"	21'-10"	23'-2"	24'-6"	26'-2"	27'-8"
	d	2'-10 5/8	3'-0"	3'-2 5/8	3'-5 5/8	3'-7 5/8	3'-10
	e	28'-1"	30'-1"	32'-1"	34'-1"	36'-1"	38'-1"
	a	1'-9"	1'-9"	1'-11"	2'-1"	2'-2"	2'-3"
	b	1'-8 5/8	1'-9 1/2	1'-11 1/2	2'-1 1/2	2'-2 1/2	2'-4
P	c	17'-2"	19'-0"	20'-0"	21'-0"	22'-6"	23'-10
	d	2'-5"	2'-6 5/8	2'-9 5/8	3'-0"	3'-1 5/8	3'-4"
	e	24'-1"	26'-1"	27'-9"	29'-5"	31'-9"	33'-1"
	a	0'-5"	0'-5"	0'-8"	0'-8"	0'-8"	0'-8"
	b	2'-0 5/8	2'-1 1/2	2'-3 5/8	2'-5 1/2	2'-6 5/8	2'-8
G_1	c	23'-6"	25'-4"	27'-0"	28'-8"	30'-6"	32'-6"
	d	2'-10 5/8	3'-0"	3'-2 5/8	3'-5 5/8	3'-7 5/8	3'-10
	e	28'-1"	30'-1"	32'-1"	34'-1"	36'-1"	38'-1"
	a	2'-0"	2'-0"	2'-2"	2'-4"	2'-5"	2'-6"
	b	2'-0 5/8	2'-1 1/2	2'-3 5/8	2'-5 1/2	2'-6 5/8	2'-8
F_1	c	20'-0"	21'-10"	23'-2"	24'-6"	26'-2"	27'-8"
	d	2'-10 5/8	3'-0"	3'-2 5/8	3'-5 5/8	3'-7 5/8	3'-10
	e	28'-1"	30'-1"	32'-1"	34'-1"	36'-1"	38'-1"
	a	1'-9"	1'-9"	1'-11"	2'-1"	2'-2"	2'-3"
	b	1'-8 5/8	1'-9 1/2	1'-11 1/2	2'-1 1/2	2'-2 1/2	2'-4
P_1	c	17'-2"	19'-0"	20'-0"	21'-0"	22'-6"	23'-10
	d	2'-5"	2'-6 5/8	2'-9 5/8	3'-0"	3'-1 5/8	3'-4"
	e	24'-1"	26'-1"	27'-9"	29'-5"	31'-9"	33'-1"

DIMENSIONS AND QUANTITIES								
SPAN "L" IN FEET	X	STIRRUP SPACING-BARS N				CLASS "A" CONCRETE CU. YDS.	DEF. REINF. STEEL LBS.	STRUCTURAL STEEL LBS. *
		a	b	c	d			
30	2'-4"	0'-9"	10 @ 9'-7'-6"	4 @ 1'-6'-6'-0"	0'-9"	41.26	9832	2443
32	2'-5"	1'-0"	11 @ 9'-8'-3"	4 @ 1'-6'-6'-0"	0'-9"	44.54	10951	2443
34	2'-7"	1'-3"	10 @ 9'-7'-6"	5 @ 1'-6'-7'-6"	0'-9"	46.56	11801	2443
36	2'-9"	0'-9"	10 @ 9'-7'-6"	6 @ 1'-6'-9'-0"	0'-9"	52.74	13020	2443
38	2'-10"	1'-0"	11 @ 9'-8'-3"	6 @ 1'-6'-9'-0"	0'-9"	56.29	14343	2443
40	3'-0"	1'-3"	12 @ 9'-9'-0"	6 @ 1'-6'-9'-0"	0'-9"	60.72	15491	2443

*ADD 285 # STRUCTURAL STEEL FOR EACH END SPAN.

GENERAL NOTES:
Construction Specs: Latest Approved La. Hwy. Depl. Std Specs.
Design Specifications: A.A.S.H.O. 1941.
Live Load: H-20-S16
Dead Load: Calculated weight of concrete plus
15 Lbs. per sq. ft. future wearing surface.
All concrete to be Class "A"
Dimensions to reinforcing steel are to Bar Centers.
Exposed corners to have 3/4" chamfer unless otherwise noted.

REDETAILED FROM C-6-18-20 FOR 28' ROADWAY.
BY A.G.W. and S.N.

NOTE:
This plan is a revision of Std. Plan C-G-12-20
End Span has been eliminated and Details
revised for new End Bent Standards.
Revisions made: 2. 5. 74.
Revisions checked: H. Q. 74. Q.

10-8-51		COVER IS ADDED	AUL/CM	STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
10-24-51		Base Paving	W.P.H.	DESIGNED Huey	DETAILED Huey	TRACED G.P.H.	
DATE	DESCRIPTION		BY	CHECKED W.P.H.	CHECKED W.P.H.	CHECKED W.P.H. <i>W.P.H.</i>	
REVISIONS		BRIDGE DESIGN SECTION					

STANDARD PLAN
R.C. DECK GIRDER SPANS H20-S16 LOADING
28'-0" CLEAR ROADWAY 1'-6" SIDEWALKS
30'-0" TO 40'-0" SPANS
TO BE USE WITH STANDARD PLAN C-S 43-20

DATED April 1947

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DETAILED <i>Huey</i>	TRACED <i>B. Koke</i>
CHECKED <i>H.C.W.B.</i>	CHECKED <i>H.C.W. B. Koke</i>

BRIDGE DESIGN SECTION