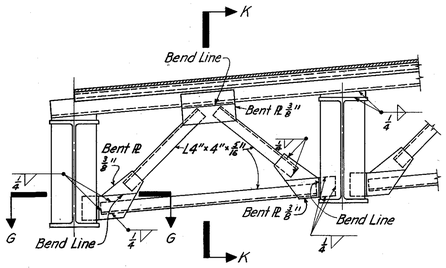
MICROFILMED
SEP 6 1965

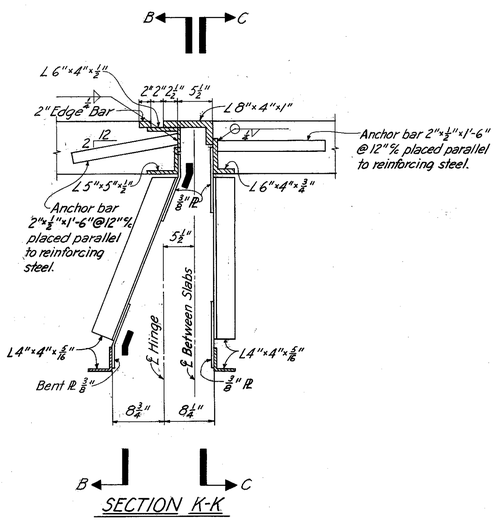
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	I-1103 (18)	

406
458

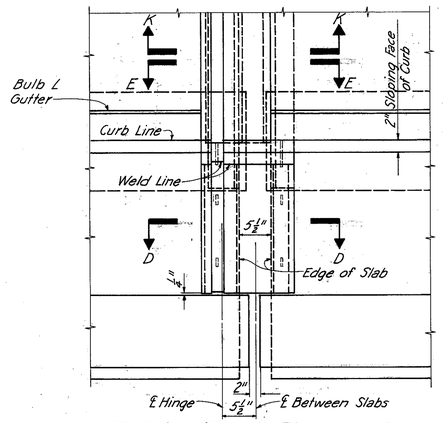
CUYAHOGA & LAKE COUNTIES
LAK-I-0.00
CUY-I-15.91



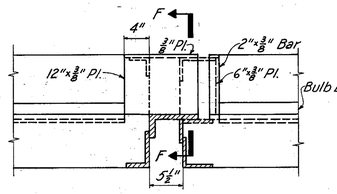
SECTION B-B



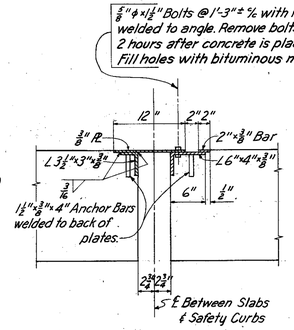
SECTION K-K



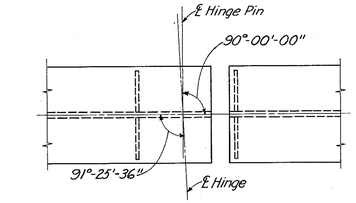
PART PLAN AT HINGE

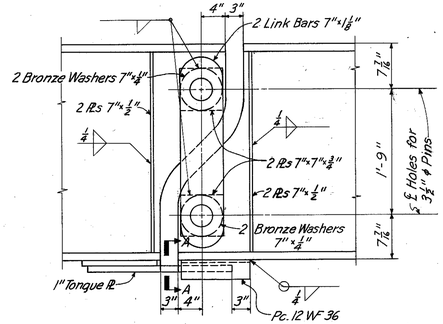


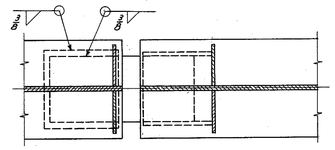
SECTION E-E



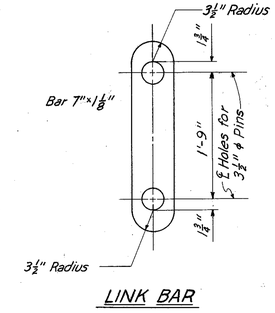
SECTION D-D



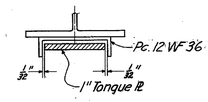




HINGE DETAIL

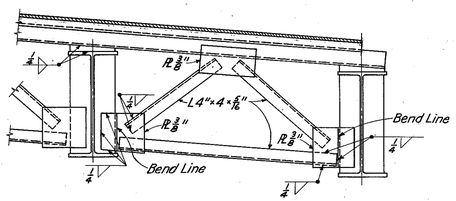


LINK BAR

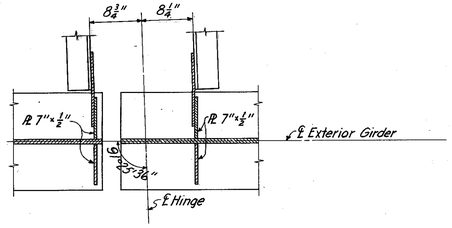


SECTION A-A

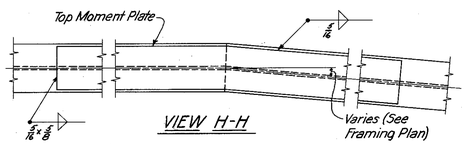
BEAM SPLICE WELDING PROCEDURE:
1. Block hinge to elevation given in Table of Elevations, Sh.
2. Raise end of beam 1 1/16" at Pier 2.
3. Butt weld beam flanges and web at Pier 3 using the following sequence: make two passes on each flange, then two on the web, repeat, using one pass at each location, until welds are completed.
4. Weld top and bottom flange moment plates at Pier 3.
5. Repeat same procedure for all five beams and leave ends raised at Pier 2.
6. Make splices at Pier 4 in the same manner, raising the ends of beams 3 7/16" at Pier 5.
7. Place and weld the pier cross frames at Pier 3 and Pier 4.
8. Lower ends of beams at Pier 2 and Pier 5.
9. Make splices at remaining piers in same manner raising the ends of beams 4 1/4" at Pier 1, 3 7/16" at Abutment 1, 3 5/8" at Pier 6 and 2 1/16" at Abutment 2.
   Splice all five beams at each pier and place and weld pier cross frames before lowering ends of beams.
10. Remove blocking from under hinge.



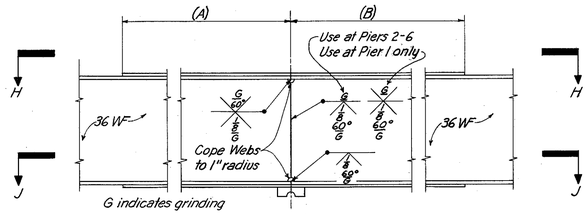
SECTION C-C



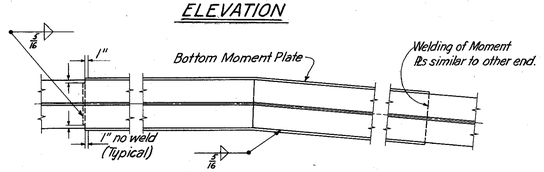
SECTION G-G



VIEW H-H



ELEVATION

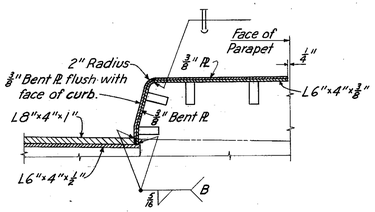


SECTION J-J

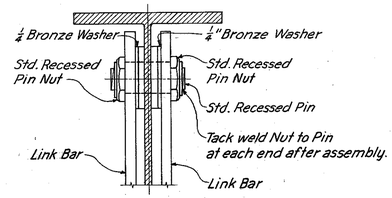
BEAM SPLICE DETAIL
@ all Piers

BEAM SPLICE DIMENSIONS				
Location	Moment Plates		(A)	(B)
	Top	Bottom		
Pier 1	15"x1"x29'-10"	18"x1 1/16"x29'-10"	13'-4"	16'-6"
Pier 2	15"x1 1/16"x27'-6"	18"x1 3/16"x27'-6"	13'-9"	13'-9"
Pier 3	do	do	do	do
Pier 4	do	do	do	do
Pier 5	do	do	do	do
Pier 6	15"x1 1/16"x26'-3"	18"x1 3/16"x26'-3"	do	12'-6"

NOTE: Splice at Pier 3 may be shop welded, at the option of the contractor.



SECTION F-F



PIN & LINK ASSEMBLY

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

END DAM & HINGE DETAILS

BRIDGE NO. LAK-I-0145
UNDER EUCLID SPUR (RAMP "C")

LAKE COUNTY STA. 77+49.90

Designed	Drawn	Traced	Checked	Reviewed-Date	Revised
C.V.P.	C.V.P.	F.E.H.	Y.G.	H.G.H.-12-30-58	

38-B-181

K&E 126 IMPERIAL TRACING CLOTH 1.M 60449