

LAKE COUNTY
LAK-20-1939

GIRDER	SPAN 1												SPAN 2						SPAN 3											
	1/4 SPAN			1/2 SPAN			3/4 SPAN			1/4 SPAN AND FIELD SPLICE N°1		1/2 SPAN		3/4 SPAN AND FIELD SPLICE N°2		1/4 SPAN		1/2 SPAN		3/4 SPAN										
	STL. D.L.	REM. D.L.	CONV.	TOT.	STL. D.L.	REM. D.L.	CONV.	TOT.	STL. D.L.	REM. D.L.	CONV.	TOT.	STL. D.L.	REM. D.L.	CONV.	TOT.	STL. D.L.	REM. D.L.	CONV.	TOT.	STL. D.L.	REM. D.L.	CONV.	TOT.						
A	1/8	7/16	0	3/16	3/16	1/2	0	3/16	1/2	1/8	1/4	1/4	13/16	13/16	1/8	1/2	5/8	1/4	1/16	1/4	3/8	1/16	3/16	1/2	1/2	13/16	1/8	7/16	3/8	15/16
B TO G	-	1/2	-	-	-	5/8	-	-	5/16	-	-	-	-	9/16	-	-	-	-	-	5/16	-	-	-	-	-	-	-	-	-	-
H	1/8	7/16	3/8	15/16	3/16	1/2	1/2	13/16	1/4	1/4	3/8	11/16	1/8	1/2	5/8	1/4	1/16	1/4	3/8	1/16	3/16	1/2	1/2	13/16	1/8	7/16	3/8	15/16		

TOP OF FINAL PAVEMENT ELEVATIONS (TOP OF PORTLAND CEMENT CONCRETE DECK)

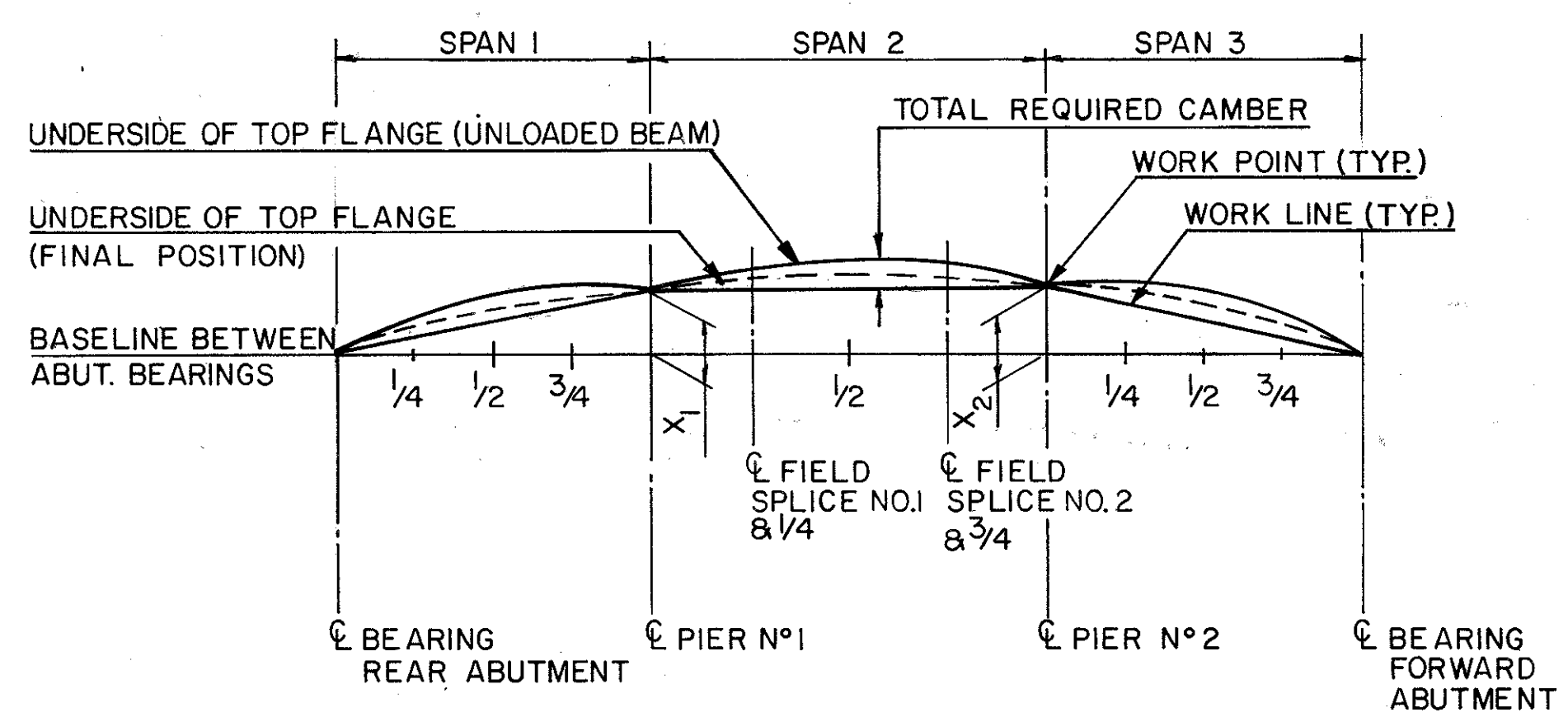
AT GIRDER	C BRG. REAR ABUT.	SPAN 1			SPAN 2			SPAN 3			C BRG. FORWARD ABUT.		
		1/4 SPAN	1/2 SPAN	3/4 SPAN	C PIER N°1	1/4 SPAN & F.S. N°1	1/2 SPAN	3/4 SPAN & F.S. N°2	C PIER N°2	1/4 SPAN		1/2 SPAN	3/4 SPAN
A	692.31	692.48	692.68	692.89	693.08	693.30	693.48	693.62	693.74	693.80	693.85	693.87	693.87
B	692.47	692.65	692.86	693.06	693.25	693.45	693.61	693.74	693.84	693.90	693.93	693.95	693.94
C	692.70	692.91	693.12	693.31	693.48	693.66	693.81	693.93	694.01	694.06	694.08	694.08	694.06
D	692.96	693.17	693.37	693.55	693.70	693.87	694.01	694.11	694.17	694.21	694.21	694.20	694.17
E	693.08	693.29	693.48	693.64	693.79	693.94	694.06	694.14	694.20	694.21	694.21	694.19	694.14
F	693.07	693.27	693.44	693.60	693.73	693.86	693.97	694.04	694.07	694.08	694.06	694.03	693.97
G	693.06	693.24	693.40	693.54	693.66	693.78	693.87	693.93	693.95	693.94	693.91	693.86	693.79
H	693.08	693.25	693.41	693.54	693.65	693.75	693.83	693.87	693.87	693.86	693.82	693.76	693.68

DECK SCREED ELEVATIONS (TOP OF PORTLAND CEMENT CONCRETE DECK)

C PVM.T.	693.09	693.34	693.53	693.70	693.81	694.01	694.14	694.23	694.25	694.32	694.32	694.30	694.22
NORTH GUTTER	692.35	692.54	692.77	692.97	693.12	693.37	693.54	693.68	693.75	693.85	693.89	693.91	693.87
SOUTH GUTTER	693.04	693.26	693.42	693.55	693.63	693.73	693.80	693.90	693.88	693.90	693.87	693.81	693.69

NOTES:

- TOP OF FINAL PAVEMENT ELEVATIONS ARE GIVEN AT THE TOP OF PORTLAND CEMENT CONCRETE DECK FOR THE INTERIOR GIRDERS IN THE ROADWAY AREA. FOR EXTERIOR GIRDERS IN THE SIDEWALK AREA, THE TOP OF FINAL PAVEMENT ELEVATIONS ARE GIVEN AT THE LEVEL CONSTRUCTION JOINT OF THE CONCRETE DECK AS SHOWN IN THE TYPICAL CROSS SECTION OF THE DECK SLAB.
- DECK SCREED ELEVATIONS ARE THE ELEVATIONS THAT ARE REQUIRED BEFORE CONCRETE IS PLACED. PROPER ALLOWANCE HAS BEEN MADE FOR DEAD LOAD DEFLECTION DUE TO CONCRETE.



CAMBER DIAGRAM

NOTES FOR DEFLECTION & CAMBER

- WORK POINTS ARE UNDERSIDE OF TOP FLANGE AT CENTERLINE OF BEARING.
- THE WORKLINE IS A STRAIGHT LINE BETWEEN THE INDICATED WORK POINTS.
- THE BASELINE IS A STRAIGHT LINE BETWEEN INDICATED WORK POINTS AT ABUTMENTS.
- THE TABULATED DEFLECTION AND CAMBER DATA IS MEASURED FROM THE WORK LINE.
- DEFLECTION AND CAMBER ARE GIVEN TO THE NEAREST 1/16 INCH. THE FOLLOWING ABBREVIATIONS ARE USED:
 STL. D.L. = DEAD LOAD DEFLECTION DUE TO STEEL GIRDERS, FRAMING AND UTILITY LOADS.
 REM. D.L. = DEFLECTION DUE TO REMAINING DEAD LOAD.
 CONV. = CONVEXITY (MINUS INDICATES BELOW THE WORK LINE.)
 TOT. = TOTAL REQUIRED CAMBER IN INCHES

BLOCKING TABLE		
GIRDER	X ₁	X ₂
A	3 1/2"	4 1/16"
H	4 9/16"	4 9/16"

POLYTECH, INC.		16/18
CONSULTING ENGINEERS		CLEVELAND, OHIO
DECK ELEVATIONS & CAMBER DETAILS		
BRIDGE NO. LAK-20-1939 OVER S.R.2. (EAST BOUND)		
DESIGNED	DRAWN	TRACED
CT	CT	EPW
CHECKED	REVIEWED	DATE
GA	BS	4/88