

DECK SCREED ELEVATIONS (TOP OF PORTLAND CEMENT CONCRETE)

LAKE COUNTY
LAK-90-17.42/25.15/27.76

SPAN 1									SPAN 2							
ELEVATION LOCATION	☉ BEARING REAR ABUT.	0.2	0.4	0.5	0.6	F.S.	0.8	☉ PIER 1	0.2	F.S.	0.4	0.5	0.6	F.S.	0.8	☉ PIER 2
LEFT GUTTER	860.06	860.41	860.71	860.85	860.97	-	861.21	861.42	861.74	-	861.99	862.07	862.13	-	862.15	862.11
GIRDER A	860.10	860.27	860.57	860.71	860.84	860.92	861.08	861.30	861.62	861.62	861.87	861.96	862.02	860.05	862.05	862.02
GIRDER B	859.36	859.72	860.04	860.19	860.33	860.41	860.58	860.82	861.17	861.17	861.45	861.55	861.62	860.67	861.68	861.67
☉ SURVEY & GIRDER C	858.81	859.17	859.51	859.66	859.80	859.90	860.08	860.33	860.72	860.72	861.03	861.14	861.22	861.30	861.31	861.32
GIRDER D	858.27	858.63	858.97	859.12	859.27	859.37	859.57	859.83	860.26	860.25	860.59	860.72	860.81	860.91	860.92	860.97
GIRDER E	857.94	858.11	858.43	858.59	858.74	858.44	859.04	859.32	859.79	859.79	860.15	860.29	860.40	860.52	860.53	860.60
RIGHT GUTTER	857.58	857.97	858.29	858.45	858.60	-	858.90	859.19	859.66	-	860.02	860.16	860.28	-	860.42	860.50

SPAN 3									SPAN 4							
ELEVATION LOCATION	☉ PIER 2	0.2	F.S.	0.4	0.5	0.6	F.S.	0.8	☉ PIER 3	0.2	F.S.	0.4	0.5	0.6	0.8	☉ BEARING FWD. ABUT.
LEFT GUTTER	862.11	862.04	-	861.92	861.82	861.70	-	861.38	861.00	860.69	-	860.36	860.18	859.98	859.55	859.07
GIRDER A	862.02	861.96	861.94	861.84	861.74	861.62	861.31	861.31	860.94	860.64	860.49	860.30	860.12	859.93	859.50	859.03
GIRDER B	861.67	861.63	861.62	861.54	861.46	861.35	861.06	861.06	860.70	860.41	860.28	860.10	859.92	859.74	859.33	858.87
☉ SURVEY & GIRDER C	861.32	861.31	861.33	861.23	861.16	861.06	860.80	860.80	860.46	860.19	860.06	859.88	859.72	859.54	859.14	858.70
GIRDER D	860.97	860.97	860.97	860.92	860.86	860.77	860.53	860.53	860.21	859.95	859.83	859.67	859.51	859.34	858.96	858.53
GIRDER E	860.60	860.63	860.63	860.61	860.56	860.48	860.26	860.26	859.95	859.71	859.60	859.44	859.29	859.13	858.76	858.35
RIGHT GUTTER	860.50	860.54	-	860.51	860.47	860.39	-	860.18	859.88	859.65	-	859.38	859.23	859.07	858.71	858.30

ANTICIPATED DECK SLAB DEPTHS**																	
LOCATION	☉ BEARING REAR ABUT.	1/4 SPAN 1	1/2 SPAN 1	3/4 SPAN 1	☉ BEARING PIER 1	1/4 SPAN 2	1/2 SPAN 2	3/4 SPAN 2	☉ BEARING PIER 2	1/4 SPAN 3	1/2 SPAN 3	3/4 SPAN 3	☉ BEARING PIER 3	1/4 SPAN 4	1/2 SPAN 4	3/4 SPAN 4	☉ BEARING FWD. ABUT.
GIRDER A	9 3/4"	9 13/16"	10 13/16"	11 3/16"	10 11/16"	12 1/4"	12 1/8"	12 1/8"	11 5/8"	12"	11 5/8"	11 3/4"	11 5/16"	11 3/8"	11 3/8"	10 7/16"	9 1/2"
GIRDER B	9 13/16"	10 13/16"	11 3/16"	11 1/4"	10 15/16"	12 3/8"	12 1/4"	12 1/8"	11 1/4"	10 13/16"	11 1/16"	11 3/8"	11 1/4"	10 15/16"	10 15/16"	10 9/16"	9 5/8"
GIRDER C	9 1/2"	10"	11 3/8"	11 1/2"	10 15/16"	12 1/8"	11 3/4"	12 3/8"	11 3/8"	11 3/16"	11 3/16"	11 3/16"	11 3/8"	11 1/16"	10 15/16"	10 9/16"	9 5/8"
GIRDER D	9 13/16"	9 5/8"	11 1/16"	10 3/16"	10 11/16"	12 5/8"	12"	12 1/2"	11 1/2"	11 5/16"	11 3/8"	11 3/8"	11 3/8"	11 3/8"	11 3/4"	11 1/16"	10 1/16"
GIRDER E	9 13/16"	10 7/16"	10 15/16"	10 9/16"	10 11/16"	13 9/16"	12"	12 1/8"	11 3/8"	11 1/2"	11 1/2"	11 3/4"	11 5/16"	11 3/4"	12"	11 3/8"	10 3/16"

DECK OVERHANG DIMENSIONS

☉ BEARING REAR ABUTMENT	3'-7 1/8"±	3'-7"±
☉ PIER 1	3'-7 1/8"±	3'-7 1/8"±
☉ PIER 2	3'-5"±	3'-8 7/8"±
☉ PIER 3	3'-6 3/8"±	3'-6 1/2"±
☉ BEARING FORWARD ABUTMENT	3'-5 1/4"±	3'-5 3/8"±

** NOTE: DEPTHS SHOWN ARE FROM TOP OF DECK TO TOP OF THE TOP FLANGE ANGLES.

NOTES

- DECK SLAB DEPTH: THE ANTICIPATED DECK SLAB DEPTH OVER BEAMS ARE GIVEN IN THE DECK SLAB TABLE. THE ACTUAL DECK SLAB DEPTH MAY BE MORE. THEY SHOULD NOT BE LESS THAN THE DECK SLAB THICKNESS, 8 1/2". AFTER COMPLETE REMOVAL OF THE EXISTING DECK SLAB, THE CONTRACTOR SHALL DETERMINE AT VARIOUS LOCATIONS ALONG THE SPANS, ACTUAL TOP OF BEAM ELEVATIONS. THESE SHOULD BE DEDUCTED FROM THE SCREED ELEVATIONS FOR THE SAME LOCATIONS (OR PROPOSED SCREED ELEVATIONS AS DETERMINED FROM ADJACENT SCREED ELEVATIONS) TO OBTAIN ACTUAL SLAB DEPTHS. FOR DEPTHS LESS THAN 8 1/2", THE DIRECTOR SHALL BE NOTIFIED TO DETERMINE THE SUITABILITY OF THE PROPOSED WORK PRIOR TO DECK FORMING AND CONCRETE PLACEMENT. THE QUANTITY OF DECK CONCRETE TO BE PAID FOR SHALL BE BASED ON THE AVERAGE DECK SLAB DEPTH OF 11 1/8 INCHES OVER THE TOP OF TOP FLANGE ANGLES.
- A HAUNCH WIDTH OF 9 INCHES SHALL BE USED FOR COMPUTING QUANTITY OF CONCRETE. HOWEVER, THE HAUNCH WIDTH MAY VARY BETWEEN 6 AND 12 INCHES.
- DRIP GROOVES SHALL TERMINATE 2'-0" FROM THE FACES OF ABUTMENTS.
- FOR PHASE CONSTRUCTION DETAILS SEE SHEET 18/52 AND ROADWAY PLANS.
- SCREED ELEVATIONS SHOWN ARE FOR THE DECK SLAB SURFACE PRIOR TO CONCRETE PLACEMENT. ALLOWANCE HAS BEEN MADE FOR ANTICIPATED CALCULATED DEAD LOAD DEFLECTIONS.
- FOR VANDAL PROTECTION FENCE DETAILS AND NOTES SEE STANDARD DRAWING VPF-1-90M.

THE OSBORN ENGINEERING COMPANY										16/52
CONSULTING ENGINEERS CLEVELAND, OHIO 44114										
DECK SCREED ELEVATIONS AND ANTICIPATED DECK SLAB DEPTHS										
BRIDGE NO. LAK-90-1742 S.R. 86 OVER I-90										
LAKE COUNTY										OHIO
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED				
LYH	BFG		JRS	GA	2/94					