

DECK SCREED ELEVATIONS (TOP OF PORTLAND CEMENT CONCRETE)

SPAN 1								SPAN 2								
ELEVATION LOCATION	☉ BEARING REAR ABUT.	0.2	0.4	0.5	0.6	F.S. 0.75	0.8	☉ PIER 1	0.2	F.S. 0.26	0.4	0.5	0.6	F.S. 0.74	0.8	☉ PIER 2
LEFT GUTTER	860.94	860.85	860.73	860.66	860.58	860.45	860.41	860.22	859.97	859.88	859.67	859.50	859.306	859.01	858.87	858.41
GIRDER A	860.98	860.90	860.78	860.71	860.63	860.50	860.46	860.28	860.02	859.94	859.73	859.56	859.37	859.07	858.94	858.48
GIRDER B	861.14	861.06	860.95	860.89	860.82	860.69	860.65	860.48	860.23	860.15	859.95	859.79	859.60	859.31	859.18	858.74
☉ SURVEY & GIRDER C	861.29	861.22	861.13	861.07	861.00	860.88	860.84	860.68	860.44	860.37	860.17	860.01	859.83	859.56	859.43	859.00
GIRDER D	861.44	861.38	861.29	861.24	861.17	861.06	861.03	860.87	860.65	860.58	860.39	860.24	860.07	859.80	859.67	859.26
GIRDER E	861.59	861.54	861.46	861.41	861.35	861.24	861.21	861.06	860.86	860.79	860.62	860.47	860.30	860.04	859.91	859.51
RIGHT GUTTER	861.63	861.58	861.50	861.45	861.39	861.33	861.25	861.11	860.91	860.84	860.67	860.53	860.36	860.10	859.98	859.57

SPAN 3								SPAN 4								
ELEVATION LOCATION	☉ PIER 2	0.2	F.S. 0.26	0.4	0.5	0.6	F.S. 0.74	0.8	☉ PIER 3	0.2	F.S. 0.25	0.4	0.5	0.6	0.8	☉ BEARING FWD. ABUT.
LEFT GUTTER	858.41	857.96	857.83	857.49	857.23	856.95	856.52	856.32	855.66	855.26	855.16	854.86	854.65	854.45	854.01	853.56
GIRDER A	858.48	858.04	857.90	857.57	857.31	857.03	856.60	856.41	855.75	855.35	855.25	854.95	854.75	854.54	854.11	853.65
GIRDER B	858.74	858.31	858.17	857.85	857.59	857.32	856.90	856.71	856.07	855.68	855.58	855.29	855.09	854.88	854.46	854.01
☉ SURVEY & GIRDER C	859.00	858.58	858.45	858.13	857.88	857.61	857.20	857.02	856.39	856.01	855.91	855.62	855.43	855.22	854.81	854.37
GIRDER D	859.26	858.85	858.72	858.41	858.17	857.90	857.50	857.32	856.70	856.33	856.39	855.95	855.76	855.56	855.15	854.72
GIRDER E	859.51	859.11	858.99	858.69	858.46	858.20	857.80	857.63	857.02	856.65	856.56	856.28	856.09	855.90	855.49	855.07
RIGHT GUTTER	859.57	859.18	859.06	858.77	858.53	858.28	857.88	857.71	857.10	856.73	856.64	856.37	856.18	855.98	855.58	855.16

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	8 3/4"	9 1/4"	9 1/2"	9 1/8"	8 7/8"	10 1/16"	9 13/16"	10 11/16"	10 7/16"	12 1/4"	11 1/4"	12"	11 3/16"	10 13/16"	11 1/16"	10 11/16"	10 13/16"
GIRDER B	9"	9 5/8"	9 1/4"	8 3/4"	8 5/8"	9 3/4"	10 1/16"	10 1/16"	10 9/16"	12 1/8"	10 13/16"	11 5/8"	10 13/16"	10 9/16"	11 1/4"	10 15/16"	10 9/16"
GIRDER C	9"	9 1/4"	9 1/4"	8 3/4"	9"	10 7/16"	10 11/16"	10 7/16"	10 9/16"	12 1/8"	11 3/8"	12 1/4"	9 3/8"	10 11/16"	11 1/16"	11 1/4"	11"
GIRDER D	10"	10 3/16"	10"	9 1/8"	8 7/8"	9 1/8"	10 1/16"	9 5/8"	10 9/16"	12"	11 3/16"	11 3/16"	11 1/16"	10 15/16"	10 9/16"	10 15/16"	10 13/16"
GIRDER E	10"	10 3/16"	10"	9 1/4"	8 7/8"	10 5/16"	10 9/16"	11 1/4"	10 3/4"	11 7/8"	10 13/16"	11 1/2"	10 7/16"	11 1/8"	11 3/8"	11 3/16"	11 3/8"

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

LAKE COUNTY
LAK-90-17.42/25.15/27.76

NOTES

- DECK SLAB DEPTH: THE ANTICIPATED DECK SLAB DEPTH OVER GIRDERS ARE GIVEN IN THE DECK SLAB TABLE. THE ACTUAL DECK SLAB DEPTH MAY VARY. 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 GIRDER 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 10 7/8 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 36 \ 52 AND ROADWAY PLANS.
- FOR VANDAL PROTECTION FENCE DETAILS AND NOTES SEE STANDARD DRAWING VPF-I-90M.
- SCREED ELEVATIONS SHOWN ARE FOR THE DECK SLAB SURFACE PRIOR TO CONCRETE PLACEMENT. ALLOWANCE HAS BEEN MADE FOR ANTICIPATED CALCULATED DEAD LOAD DEFLECTIONS.

THE OSBORN ENGINEERING COMPANY		34 / 52	
CONSULTING ENGINEERS CLEVELAND, OHIO 44114			
DECK SCREED ELEVATIONS AND ANTICIPATED DECK SLAB DEPTHS			
BRIDGE NO. LAK-90-2515 RIVER ROAD OVER I-90			
LAKE COUNTY			OHIO
DESIGNED	DRAWN	TRACED	CHECKED
LYH	BFG		JRS
			GA
			2/94
			ODOT 5/24/99