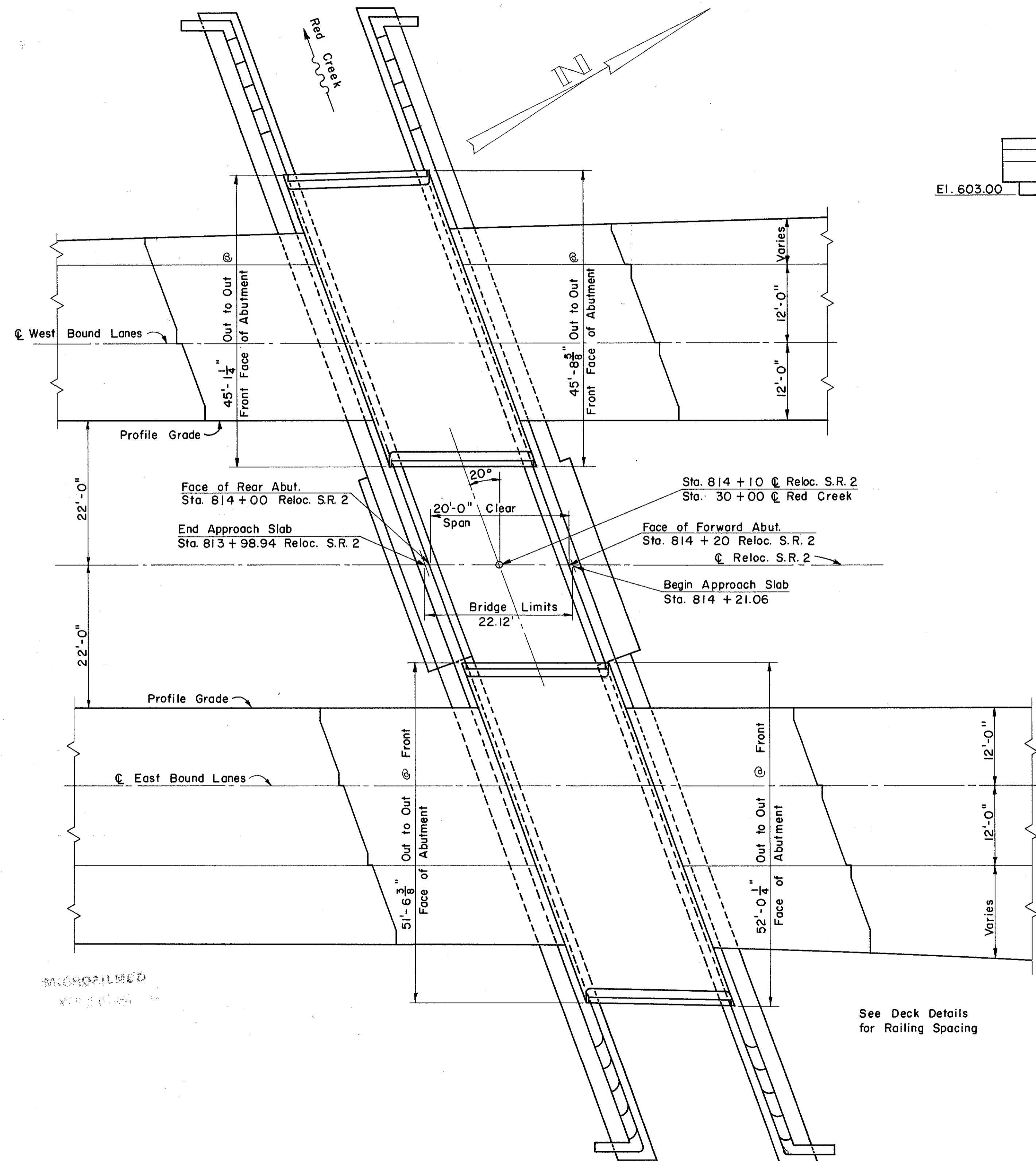


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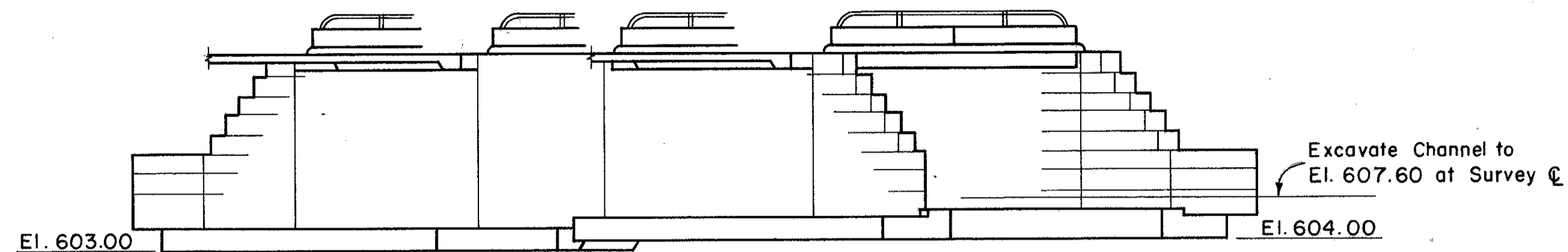
FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

256
313

LAKE COUNTY
LAK-2-16.49



GENERAL PLAN



ELEVATION

GENERAL NOTES

REFERENCE shall be made to Standard Drawings AR-1-57 revised 4-2-62 and AS-1-54 revised 7-5-62, and to Supplemental Specifications S-101 dated 7-12-62.

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio Department of Highways, dated 9-1-57, together with current revisions thereof.

FOOTINGS shall extend a minimum of 3" into undisturbed Shale or to the elevation shown, whichever is lower.

FOUNDATION BEARING PRESSURE: Abutment footings are designed for a maximum bearing pressure of 3.0 tons per square foot.

DESIGN LOADING: CF 2,000(57)

BASIC UNIT WORKING STRESSES:

Concrete, Class C: 1,333 p.s.i.
Concrete, Class E: 1,133 p.s.i.
Reinforcing Steel, ASTM A 15, A 16 & A 160 Deformed, Intermediate or Hard Grade: 20,000 p.s.i.

See Deck Details
for Railing Spacing

ESTIMATED QUANTITIES

ITEM	TOTAL	UNIT	DESCRIPTION	SUPER.	ABUTS.	GEN'L.
E-2	420	Cu. Yds.	Unclassified Excavation		420	
E-2	751	Cu. Yds.	Shale Excavation		751	
S-1	108	Cu. Yds.	Class C Concrete Superstructure	108		
S-1	166	Cu. Yds.	Class E Concrete, Abut. above Footings		166	
S-1	172	Cu. Yds.	Class E Concrete, Footings		172	
S-3	111	Lin. Ft.	Premolded Sealing Strip		111	
S-4	60,421	Lbs.	Reinforcing Steel	22,937	37,484	
S-14	84.00	Lin. Ft.	Railing (Aluminum Railing & Type A Posts w/Conc. Parapets)	84.00		
S-29	238	Cu. Yds.	Porous Backfill		238	
S-101	108	Each	Water-reducing, Set-retarding Admixtures for Conc.	108		
E-3	584	Cu. Yd.	Channel Excavation			584

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

GENERAL PLAN
BRIDGE NO. LAK-2-1731 L.&R.
RELOC. S.R. 2 OVER RED CREEK
LAKE COUNTY
STA. 813 + 98.94
STA. 814 + 21.06

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
	R.J.A. M.J.F.	E.L.M.	M.C.P. M.J.F.	G.S.W. M.C.F.	