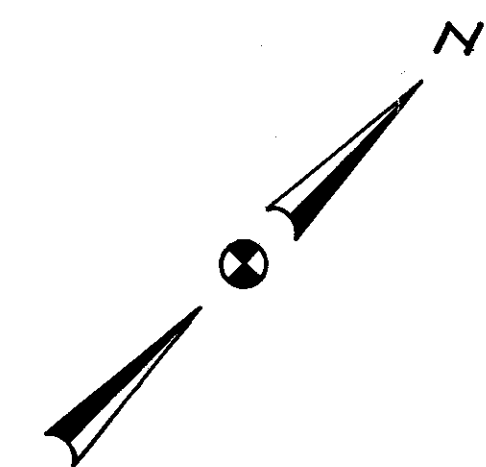
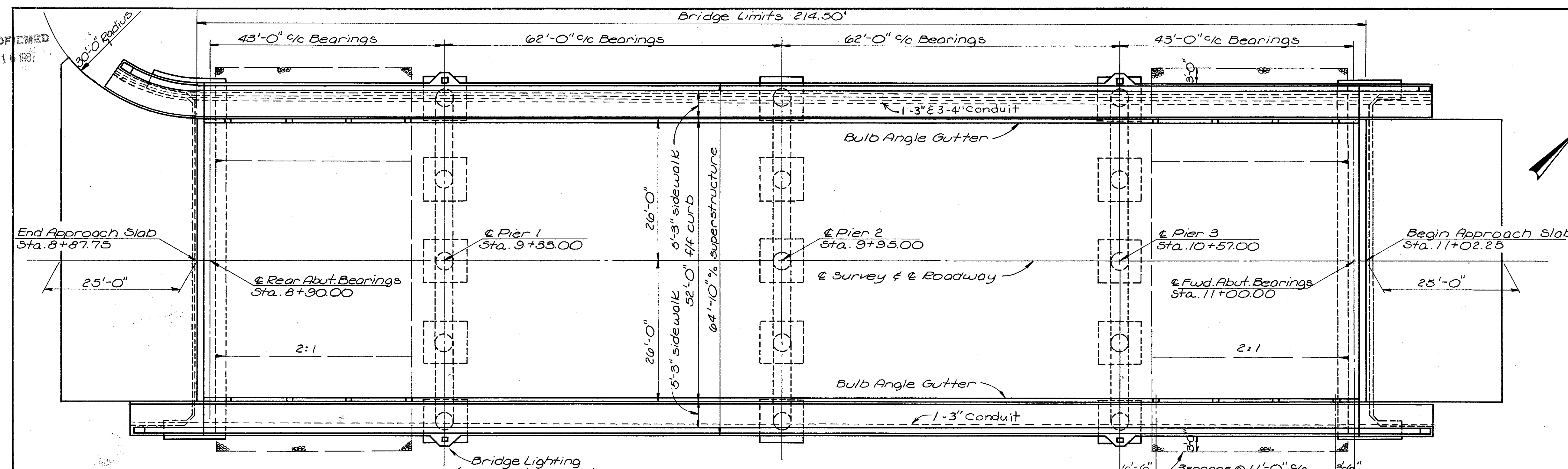


MICROFILMED
DEC 16 1987

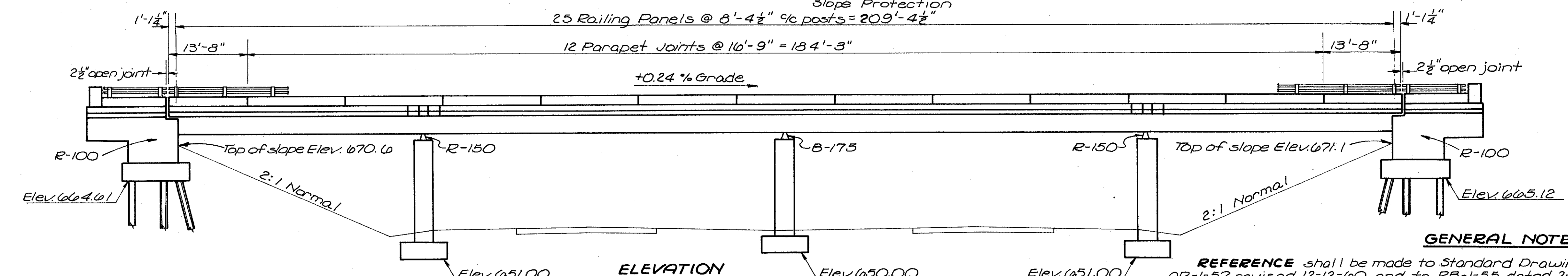
FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

171
204

LAK-44-3.79



GENERAL PLAN



ELEVATION

GENERAL NOTES

REFERENCE shall be made to Standard Drawings CSB-2-56, sheets 2 and 3 revised 2-2-59, AR-1-57 revised 12-12-60, and to RB-1-55 dated 2-2-59.

DESIGN SPECIFICATION: 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.

PILES shall be driven to a minimum bearing capacity of 25 tons per pile.

FOUNDATION BEARING PRESSURE: Pier footings are designed for a maximum bearing pressure of 3 tons per sq. ft.

UTILITY LINES: All labor and expense involved in relocating the affected utility lines shall be borne by the owners unless otherwise noted. The Contractor & Owners are requested to cooperate by arranging their work in such a manner that inconvenience to either will be held to a minimum.

TEMPORARY RUN-AROUND ROAD: Pavement shall be Class "A" concrete 40 feet wide f/f of curbs. (See Sheet No. 131 for Details.)

SHOP PAINTING STEEL: The surface preparation of all steel, requiring shop painting as per plans and Specifications, shall be accomplished by blast cleaning or power tool cleaning, except as noted in the Specifications regarding the use of Chromate primers.

ESTIMATED QUANTITIES								
Item	Total	Unit	Description	Super.	Abut.	Pier	Gen'l	As Built
E-2	590	cu.yd.	Unclassified excavation		346	244		CO.7 531
S-1	442	cu.yd.	Class "C" concrete, superstructure	442				CO.7 +8 50
S-1	134	cu.yd.	Class "C" concrete, pier caps and columns			134		
S-1	261	cu.yd.	Class "E" concrete, abutments		261			
S-1	99	cu.yd.	Class "E" concrete, pier footings			99		
S-4	166,816	lbs.	Reinforcing steel	115,950	16,339	34,527		
S-7	318,900	lbs.	Structural steel		318,900			
S-8	318,900	lbs.	Field painting of structural steel		318,900			
S-14	485.33	lin.ft.	Railing (aluminum rail and supports, concrete parapet and end posts, Type "C")	424.00	61.33			
S-15	Lump	Sum	Temporary run-around road				Lump	
S-16	Lump	Sum	First test pile				Lump	
S-18	760	lin.ft.	Steel piles, 12 BP 33 10 BP 42		760			CO.7 -20 740
S-25	486	lin.ft.	3" electric conduit and fittings (fiber)				486	
S-25	729	lin.ft.	4" electric conduit and fittings (fiber)				729	
S-25	Lump	Sum	Electric lighting system; light standards, pull boxes and grounding system (as per plan)				Lump	
S-25	11	lin.ft.	2" electric conduit and fittings (metal)				11	
S-29	50	cu.yd.	Porous backfill				50	
S-29	16	each	Scuppers	16				
I-10	546	sq.yd.	Crushed aggregate slope protection				546	CO.13 354 900
Special	442	each	Water-reducing, set-retarding admixture	442				CO.7 -442 0

* See proposal Note.

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

**GENERAL PLAN & ELEVATION
ESTIMATED QUANTITIES & NOTES**

BRIDGE NO. LAK-44-0489
UNDER USR 20
LAKE COUNTY SR. 44 RELOC.
STA. 274+90.14

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
EBL	EBL	MKH	E.J.S.	BFG	7-25-61	6/15/62