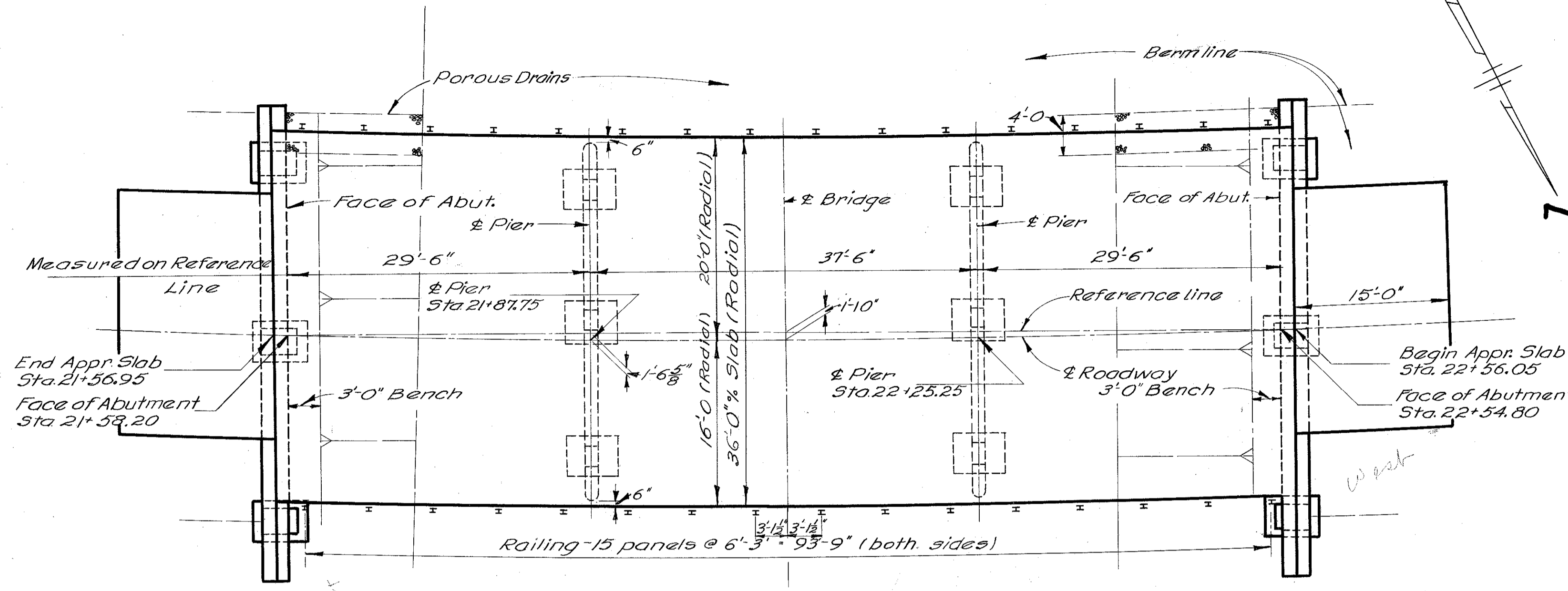
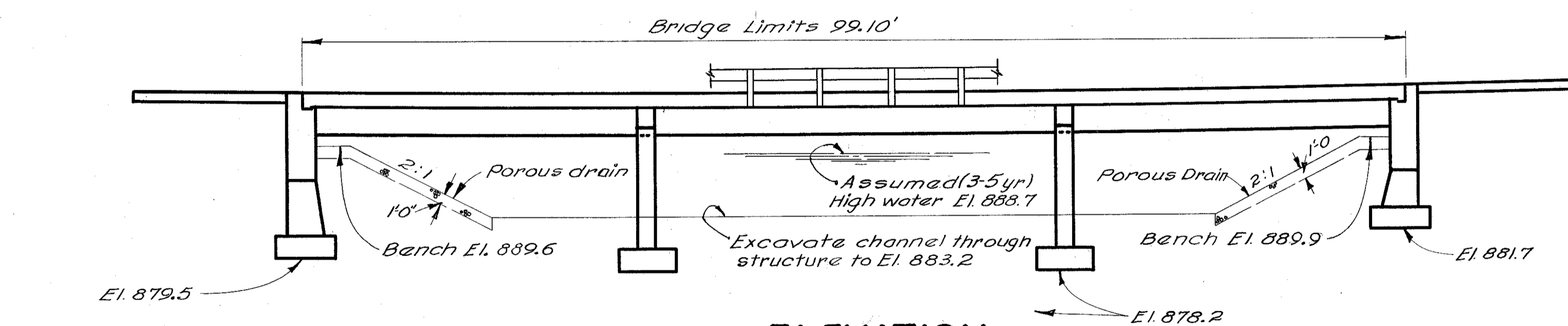


LAK-608-0.60



GENERAL PLAN

*Reference Line is a chord between faces of abutments.
Note: Superstructure steel placed on chords.



ELEVATION

REINFORCING STEEL LIST

MARK	NO.	LENGTH	WEIGHT	SHAPE	BENDING DIAGRAM	MARK	NO.	LENGTH	WEIGHT	SHAPE
ABUTMENTS					SUPERSTRUCTURE					
A801	12	24'-4"	760	S		A807	108	34'-7"	9972	S
A802	8	34'-9"	742	S		B807	36	24'-4"	2339	B
A803	4	21'-6"	230	S		C807	34	21'-4"	1937	B
A804	4	5'-3"	56	S		D807	18	22'-0"	1057	S
A601	24	4'-3"	153	B		E807	17	16'-0"	726	S
A602	24	7'-0"	252	S		F907	72	23'-5"	5732	S
A603	24	7'-6"	270	B		G907	36	12'-1"	1479	S
A501	8	23'-11"	200	S		H907	34	7'-3"	838	S
A502	4	16'-6"	69	S		J601	36	20'-5"	1104	S
A503	4	4'-9"	20	S		K601	18	18'-8"	506	S
A504	10	5'-9"	60	S	L601	91	35'-6"	4852	S	
A505	12	6'-9"	84	S	M601	63	35'-6"	3359	S	
A506	48	2'-11"	146	S	PIERS					
A507	4	9'-10"	41	S	P1001	8	33'-6"	1153	S	
A508	2	7'-10"	16	S	P801	8	33'-6"	716	S	
A509	4	8'-8"	36	S	P802	24	11'-10"	758	B	
A510	4	8'-2"	34	S	P803	24	12'-9"	817	B	
A511	62	6'-3"	404	B	P804	24	13'-9"	881	B	
A512	4	9'-0"	38	B	P805	24	9'-7"	614	B	
A513	4	14'-0"	58	B	P806	12	9'-1"	291	B	
A514	4	13'-5"	56	B	P601	36	5'-10"	315	B	
A515	4	13'-0"	54	B	P602	30	4'-10"	218	B	
A516	4	12'-4"	51	B	P501	8	5'-4"	45	B	
A517	4	11'-10"	49	B	P401	120	4'-0"	321	B	
A518	4	11'-4"	47	B	P402	60	8'-5"	334	B	
A519	4	10'-8"	45	B	REPLACEMENT BARS					
A520	4	10'-2"	42	B	RE1001	1	7'-2"	31		
A521	2	9'-8"	20	B	RE901	1	6'-10"	23		
A522	4	20'-2"	84	S	RE801	2	6'-6"	34		
A523	8	5'-3"	44	S	RE601	1	5'-11"	9		
A524	2	3'-6"	7	S	RE501	1	5'-7"	6		
A401	48	6'-2"	198	B	RE401	1	5'-3"	4		

GENERAL NOTES

REFERENCE shall be made to Standard Drawing CS-1-54 revised 12-1-54.

REMOVAL OF EXISTING STRUCTURE: When no longer needed to maintain traffic the existing structure shall be removed. Suitable waste masonry shall be used as bank protection as directed by the Engineer. The remainder of the removed materials shall become the property of the Contractor. The west abutment shall be removed to the proposed ground lines. The east abutment shall remain in place.

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

POROUS DRAINS, extending from face of abutment to Elev. 883.2, shall be placed on and flush with embankment slopes at the south corners of the bridge. The drains shall be 4ft. wide and one foot thick, and shall be centered under edge of deck. They shall be composed of No. 1 or No. 12 gravel, stone or slag. Construction procedure shall conform essentially to Item I-9. Trench excavation shall be included for payment with the price per cu. yd. bid for Porous drains on embankment slopes.

TRAFFIC: At least one-way traffic shall be maintained at all times.

2 1/2" ASPHALTIC CONCRETE WEARING SURFACE, Item T-35, laid in two 1 1/4" courses, shall be provided.

GRAVEL, if used as the coarse aggregate, shall be according to Sec. M-3.93 instead of M-3.91 for Class 'C' concrete, superstructure. Gravel meeting the requirements of Sec. M-3.93 also may be used for other concrete in this structure.

EXCAVATION QUANTITY includes the removal of fill material between top of earth bench and bottom of abutment cap.

ESTIMATED QUANTITIES						
Item	Total	Unit	Description	Super.	Abut.	Piers Gen.
E-2	Lump	Sum	Cofferdams, cribs and sheeting			
E-2	182	cu. yds.	Unclassified excavation, including shale		149	33
E-3	260	cu. yds.	Channel excavation			260
S-1	151	cu. yds.	Class 'C' concrete, superstructure	151		
S-1	16	cu. yds.	Class 'C' concrete, pier caps and columns			16
S-1	19	cu. yds.	Class 'E' concrete, pier and abutment footings		10	9
S-1	57	cu. yds.	Class 'E' concrete, abutments above footings		57	
S-3	422	sq. yds.	Type 'C' waterproofing	422		
S-4	44,856	lbs.	Reinforcing steel	33,900	4,386	6,463
S-14	198.2	lin. ft.	Railings (Type I-15.13 with galvanized steel posts)	198.2		
S-24	lump	sum	Removal of existing structure			lump
S-29	18	cu. yds.	Porous backfill		18	
S-29	5	cu. yds.	Porous drains on embankment slopes			5
T-35	28	cu. yds.	Asphaltic concrete surface course (Type 'A' or 'C')		28	

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

GENERAL PLAN & ELEVATION, NOTES, STEEL LIST AND ESTIMATED QUANTITIES
BRIDGE No. LA-608-08
OVER BIG CREEK
LAKE COUNTY Sta. 21+56.95
SEC. LAK-608-0.60 Sta. 22+56.05

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
J.E.M.	J.E.M.	R.H.D.	R.G.	A.P.G.	12-21-54	