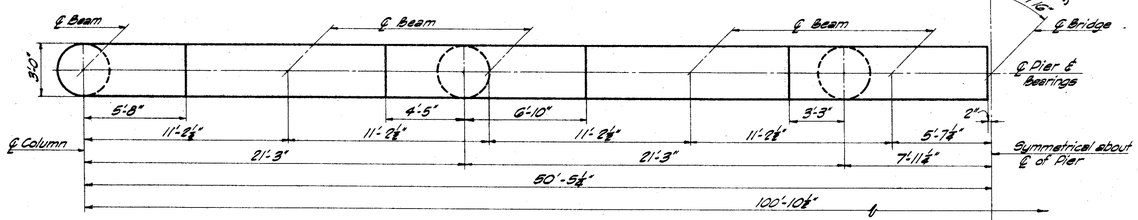
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	I-1103(19)	

2805 3/12

LAKE COUNTY
LAK.-I- 2.16



HALF PLAN OF PIER CAP

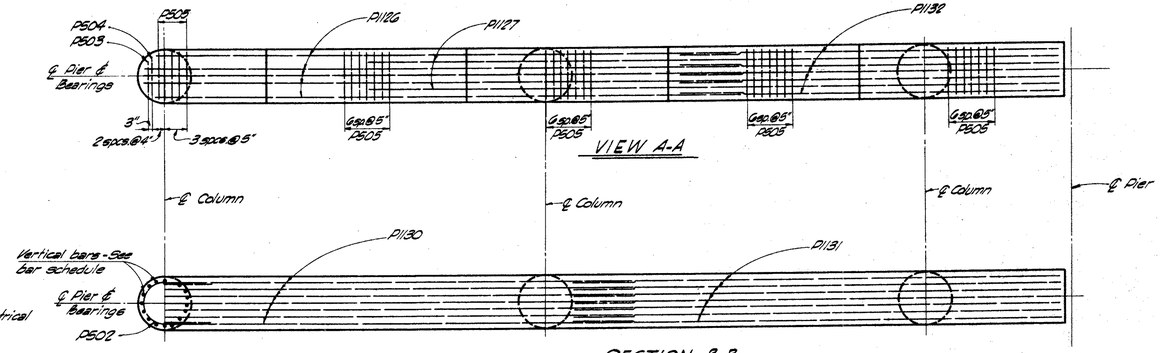
NOTE: For revised pier height provide the following reinforcing bars to lap with vertical column bars:

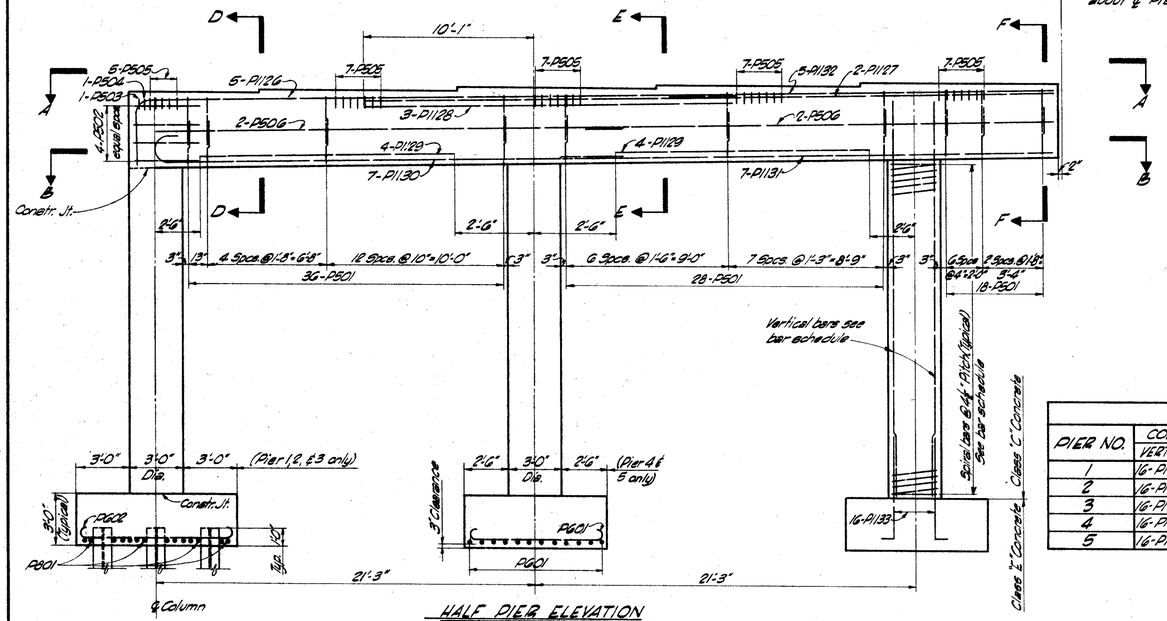
Pier No. 1: 96-#11 x 5'-1"
Pier No. 2: 96-#11 x 4'-11"
Pier No. 3: 96-#11 x 4'-9"
Pier No. 4: 96-#11 x 4'-7"
Pier No. 5: 96-#11 x 4'-5"

The length of the spiral bars to be increased to required change in height.

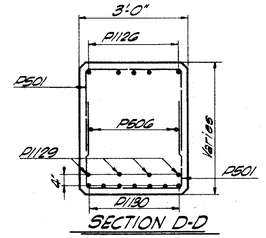
Cap steel symmetrical about ℄ Pier.

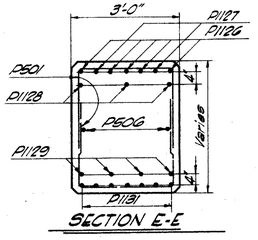
The downward leg of P1126 bars to be placed in the periphery of vertical column bars.

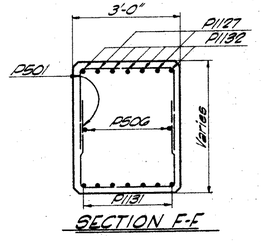




HALF PIER ELEVATION

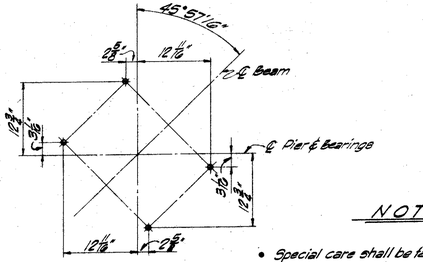






BAR SCHEDULE

PIER NO.	COLUMN NO.1		COLUMN NO.2		COLUMN NO.3		COLUMN NO.4		COLUMN NO.5		COLUMN NO.6	
	VERTICAL	SPIRAL	VERTICAL	SPIRAL	VERTICAL	SPIRAL	VERTICAL	SPIRAL	VERTICAL	SPIRAL	VERTICAL	SPIRAL
1	16-P1101	SP401	16-P1102	SP402	16-P1103	SP403	16-P1104	SP404	16-P1105	SP405	16-P1105	SP406
2	16-P1106	SP407	16-P1107	SP408	16-P1108	SP409	16-P1109	SP410	16-P1110	SP411	16-P1110	SP412
3	16-P1111	SP413	16-P1112	SP414	16-P1113	SP415	16-P1114	SP416	16-P1115	SP417	16-P1115	SP418
4	16-P1116	SP419	16-P1117	SP420	16-P1118	SP421	16-P1119	SP422	16-P1120	SP423	16-P1120	SP424
5	16-P1121	SP425	16-P1122	SP426	16-P1123	SP427	16-P1124	SP428	16-P1125	SP429	16-P1125	SP430



ANCHOR BOLT LAYOUT
(Pier No. 3 Only)

NOTES

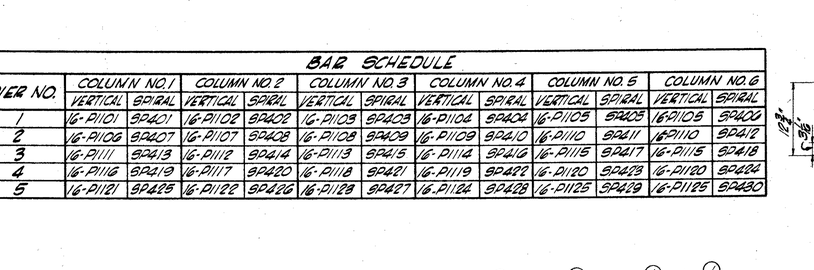
- Special care shall be taken in placing reinforcing steel in the bridge seat so that it will not interfere with the drilling of anchor bolt holes.
- All piles to be 12 BP53 and shall be driven to a bearing capacity as given in the general notes on the "General Plan & Elevation".
- Design Foundation Pressure for Piers 4 & 5 is 6 Tons per sq. ft.

This sheet supersedes sheet 280. 3-24-60.

FOOTING PLAN
~~(Piers 1, 2, & 3 only)~~
(Piers 1, 2, 3 & three West Pads of Pier 4.)

FOOTING PLAN
~~(Piers 4 & 5 only)~~
(Three East Pads of Pier 4 & Pier 5.)

VIEW G-G



PIER ELEVATION
(Looking Ahead)

TABLE OF ELEVATIONS

LOCATION	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
PIER NO.1	747.30	747.54	747.78	748.02	748.27	748.39	748.38	748.38	748.38	748.38	743.23	743.47	743.71	743.88	744.12	744.36	724.6
PIER NO.2	749.30	749.55	749.79	750.03	750.27	750.39	750.39	750.39	750.39	750.38	745.23	745.47	745.71	745.88	746.12	746.36	723.1
PIER NO.3	750.95	751.19	751.43	751.67	751.91	752.03	752.03	752.03	752.03	752.03	746.88	747.12	747.35	747.53	747.76	748.00	722.6
PIER NO.4	752.46	752.70	752.94	753.18	753.42	753.54	753.54	753.54	753.54	753.54	748.39	748.63	748.87	749.04	749.28	749.52	724.0
PIER NO.5	753.89	754.13	754.37	754.61	754.86	754.97	754.97	754.97	754.97	754.97	749.82	750.06	750.30	750.47	750.71	750.95	727.1

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA.

PIERS
BRIDGE NO. LAK-I-0226
UNDER STATE ROUTE NO. 91

LAKE COUNTY STA. 121+21.56

Designed	Drawn	Traced	Checked	Reviewed-Date	Revised
D.E.B.			D.E.B.	H.G.H. 4-21-59	3-22-60 9-21-60

Sheet 6 of 10

59-8-90

K-E 128 IMPERIAL