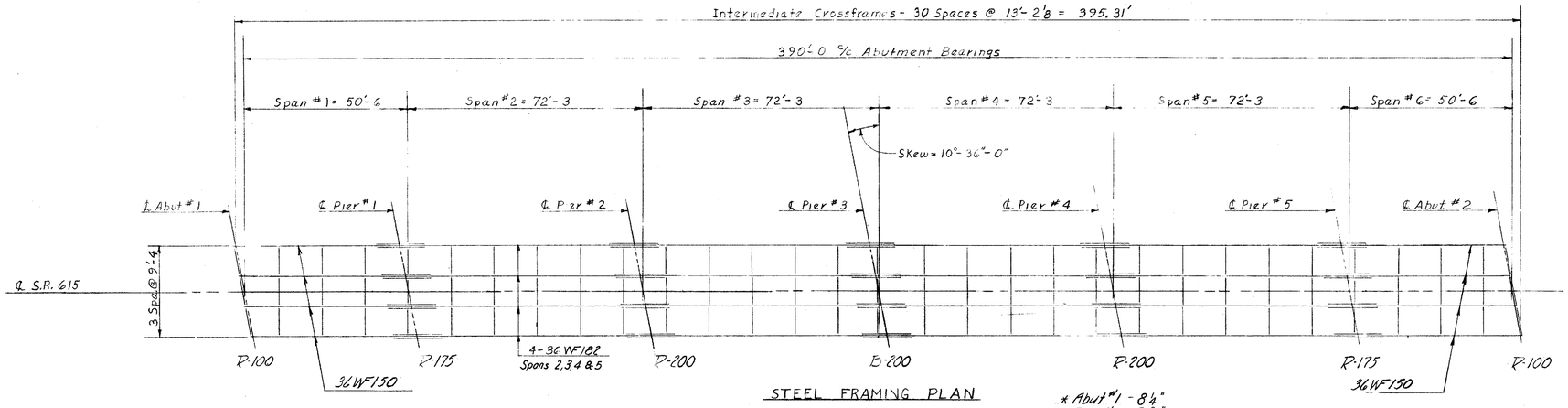
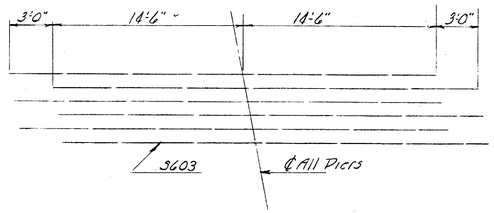
FED. RD DIVISION	STATE	PROJECT	
2	OHIO		

240
277

LAKE COUNTY
SEC. LAK-1-6.97

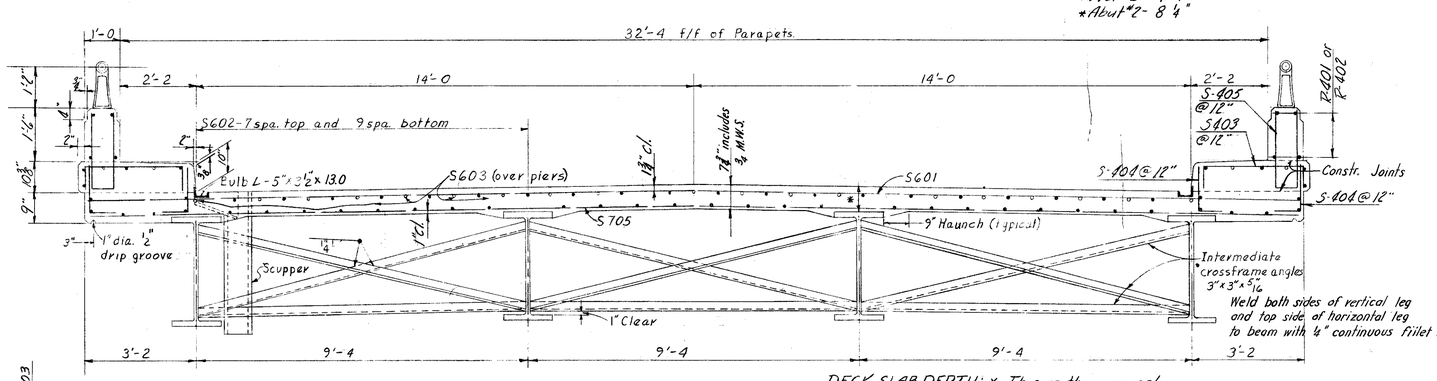


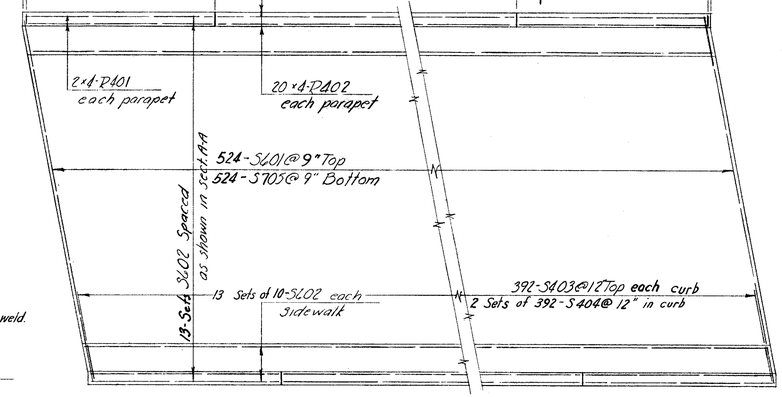
STEEL FRAMING PLAN



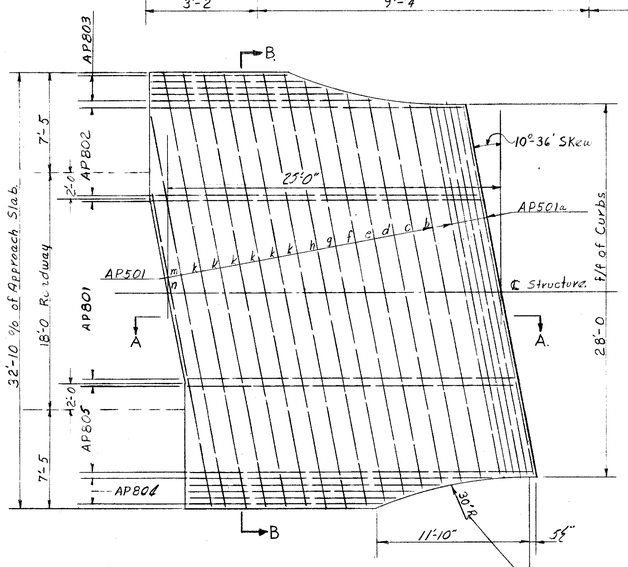
PLAN OF REINFORCEMENT OVER PIERS

* Abut #1 - 8¼"
* Pier #1 - 7¾"
* Pier #2 - 7¾"
* Pier #3 - 7¾"
* Pier #4 - 7¾"
* Pier #5 - 7¾"
* Abut #2 - 8¼"





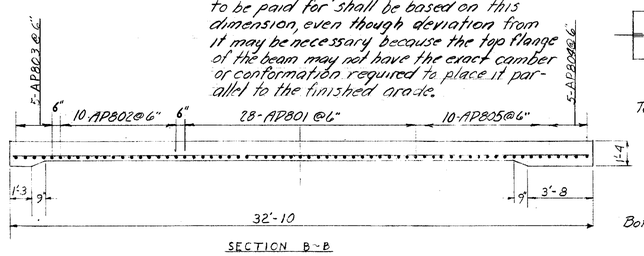
DECK REINFORCEMENT PLAN



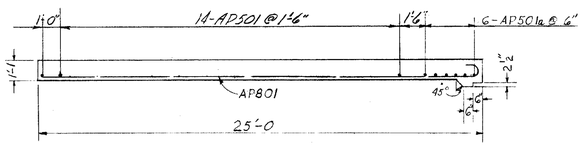
APPROACH SLAB DETAIL

SECTION A-A

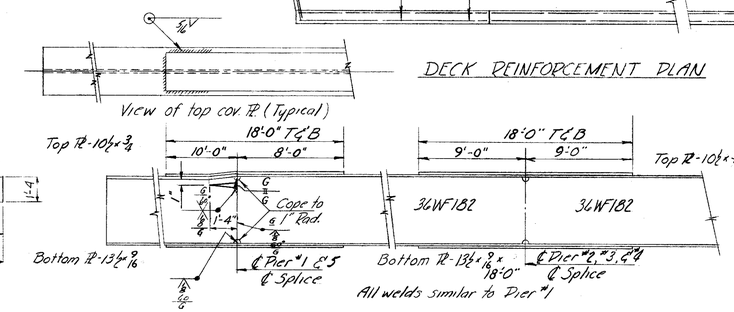
DECK SLAB DEPTH: * This is the nominal dimension. The quantity of deck concrete to be paid for shall be based on this dimension, even though deviation from it may be necessary because the top flange of the beam may not have the exact camber or conformation required to place it parallel to the finished grade.

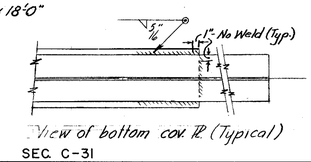


SECTION B-B



SECTION A-A





SEC. C-31

DEFLECTION & CAMBER

	SPAN-1	SPAN-2	SPAN-3	SPAN-4	SPAN-5	SPAN-6
Deflection due to weight of steel	0	1/16"	1/16"	1/16"	1/16"	0
Deflection due to remaining dead load	1/4"	1/2"	1/2"	1/2"	1/2"	1/4"
Convexity required for Vertical Curve	3/4"	1½"	1½"	1½"	1½"	3/4"
Sum of deflection & convexity	1"	2"	2"	2"	2"	1"
Camber Required	1"	2"	2"	2"	2"	1"

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR

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

SUPERSTRUCTURE DETAILS

BRIDGE NO. LAK-1-0844
S.R.1 UNDER S.R. 615
LAKE COUNTY
STA. 89+18.13

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
	R.P.L.		J.E.B.		