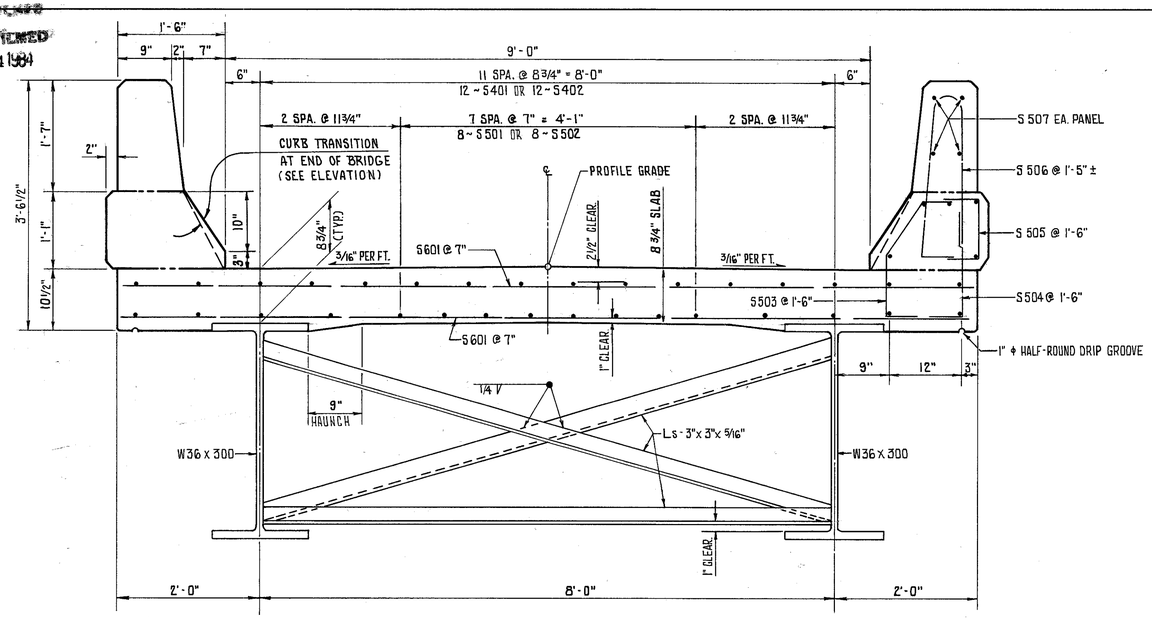
FHWA REGION	STATE	PROJECT	
5	OHIO		

75
101

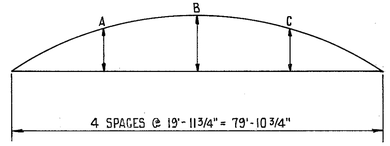
LAKE COUNTY
LAK 306-6.15



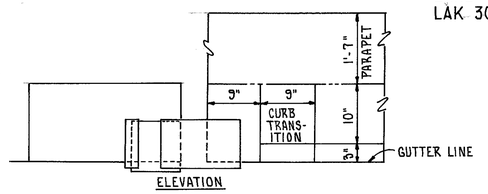
TRANSVERSE SECTION

CAMBER & DEFLECTION TABLE

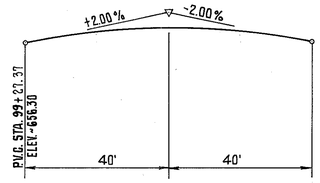
	BEAM 1 & 2		
	A	B	C
DEFLECTION DUE TO WEIGHT OF STEEL	3/8"	1/2"	3/8"
DEFLECTION DUE TO REMAINING DEAD LOAD	1 3/8"	1 15/16"	1 3/8"
ADJUSTMENT REQUIRED FOR VERTICAL CURVE	3 5/8"	4 13/16"	3 5/8"
REQUIRED SHOP CAMBER	5 3/8"	7 1/4"	5 3/8"



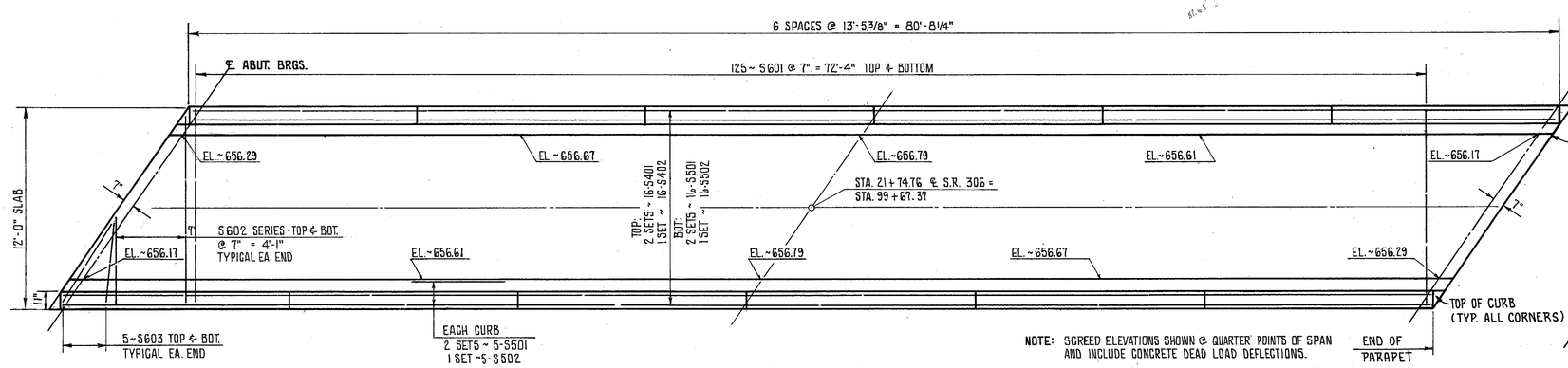
CAMBER DIAGRAM



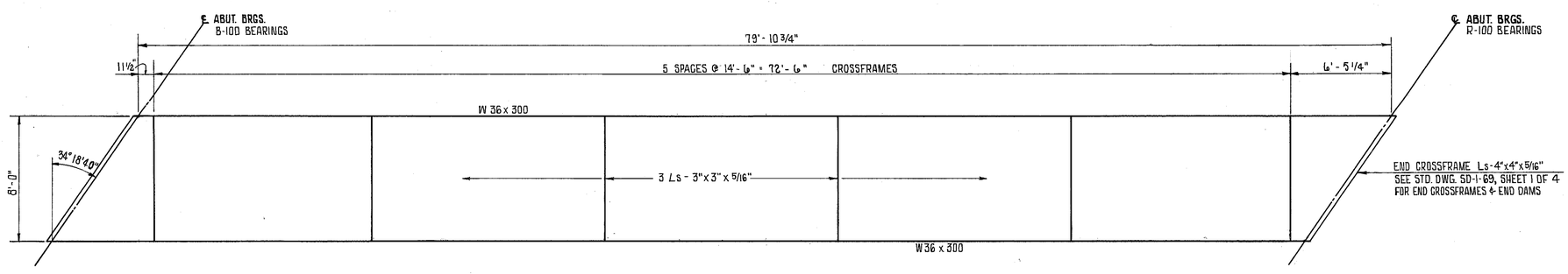
CURB TRANSITION AT END OF BRIDGE



VERTICAL CURVE



SLAB PLAN



FRAMING PLAN

NOTE:

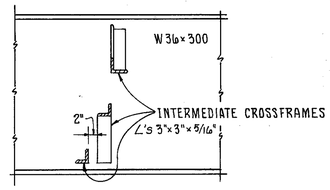
1. **GROSSFRAME ANGLES:** WELD BOTH SIDES OF VERTICAL LEG AND TOP SIDE OF HORIZONTAL LEG TO BEAMS WITH 1/4" CONTINUOUS FILLET WELD.

2. **DECK SLAB DEPTH:** THE DISTANCE SHOWN FROM TOP OF DECK SLAB TO TOP OF STEEL BEAM IS THE DESIGN 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.

CONCRETE PARAPETS ABOVE CURB SHALL BE PLACED IN ALTERNATE SECTIONS BY THE USE OF BULKHEADS. CLOSING SECTIONS SHALL BE PLACED AFTER REMOVAL OF BULKHEADS AND AFTER PLACEMENT OF EXPANSION JOINT FILLER. EXPOSED EDGES OF THE FILLER SHALL BE FLUSH WITH THE SURFACE OF CONCRETE AND SHALL BE FREE OF MORTAR.

FOR BEARING DETAILS SEE STD. DWG. RB-1-55 (REVISED 2-2-59)

BAR LAP
#5 = 1'-7"
#4 = 1'-3"



FRANKLIN CONSULTANTS INC. 15 / 28
Consulting Engineers
COLUMBUS, OHIO

SUPERSTRUCTURE DETAILS

BRIDGE NO. LAK-306-0637
S.R. 306 UNDER SERVICE ROAD

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
SM	GKS	GKS	AM	JF	10/22/79	