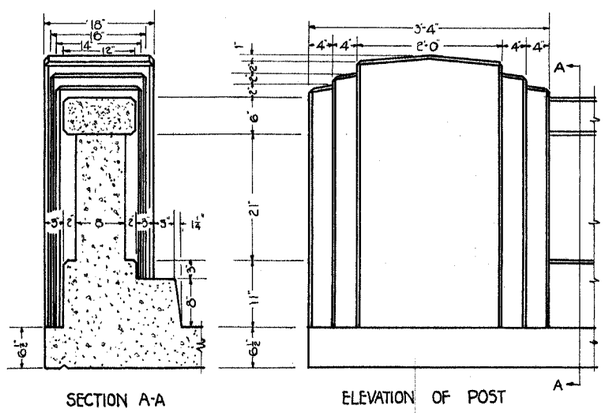
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

BOND ISSUE ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
—	123-B	Ogle	70	68
FED. ROAD DIST. No. 7	ILLINOIS	FED. AID PROJECT	381	

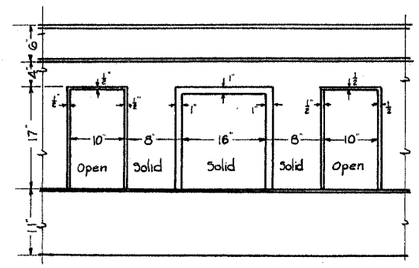
SHEET NO. 2
3 SHEETS

Note: Bevel all edges of Railing & Rail Posts ¾" except as noted.



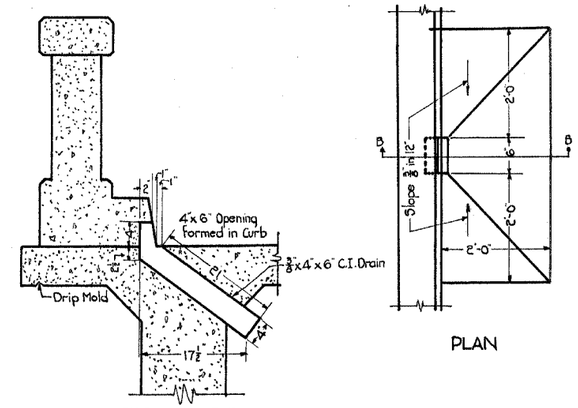
SECTION A-A

ELEVATION OF POST



ELEVATION OF RAIL

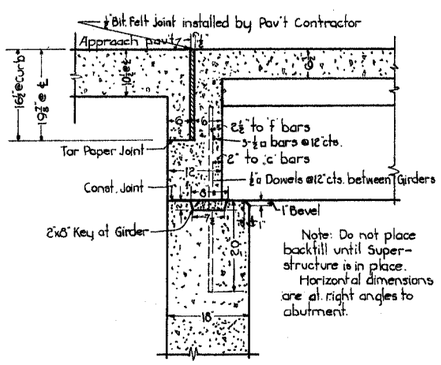
DETAILS OF CONCRETE RAIL



SECTION B-B

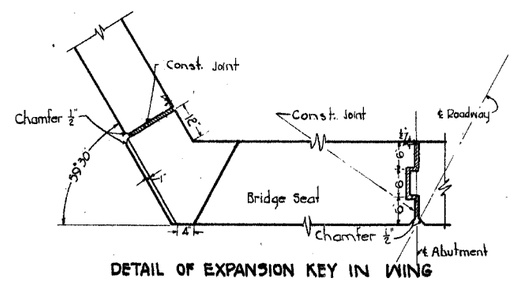
PLAN

DETAIL OF C.I. DRAIN

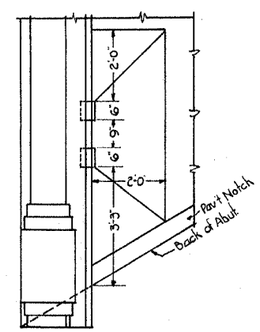


Note: Do not place backfill until Superstructure is in place.
Horizontal dimensions are at right angles to abutment.

DETAIL AT BOTH ABUTMENTS
SEC. C-C - Sheet #1



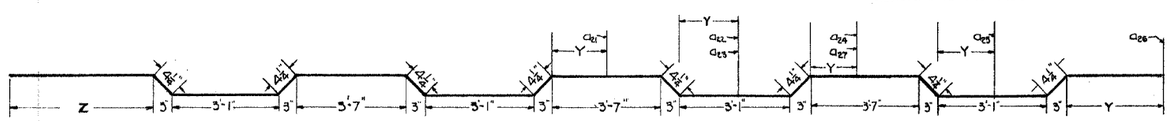
DETAIL OF EXPANSION KEY IN WING WALL & ABUTMENT



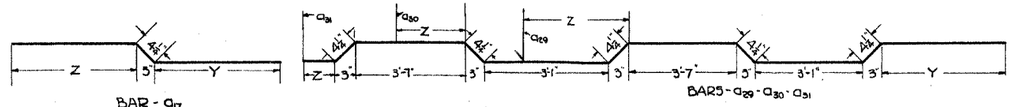
C.I. DRAINS AT ABUTMENTS

TABLE OF DIMENSIONS

BAR	X	Y	Z	Shape
a	3'-9"			
a_1	6'-6			
a_2	9'-3"			
a_3	12'-0"			
a_4	14'-9			
a_5	17'-6"			
a_6	20'-3			
a_7	23'-0			
a_8	25'-9"			
a_9	28'-6"			
a_{10}	31'-3			
a_{11}	26'-0"			See Detail sheet #1
a_{16}	22'-6"			
a_{17}		2'-6"	3'-11"	
a_{18}		2'-0	3'-11"	
a_{19}		4'-10"	3'-11"	
a_{20}		3'-9"	3'-11"	
a_{21}		3'-0"	3'-11"	
a_{22}		6'-0"	3'-11	
a_{23}		4'-9	3'-11	
a_{24}		4'-0"	3'-11"	
a_{25}		3'-0"	3'-11"	
a_{26}		2'-6"	3'-11"	
a_{27}		3'-10"	3'-11"	
a_{28}		3'-10"	5'-3"	
a_{29}		3'-10"	4'-3"	
a_{30}		3'-10"	3'-7"	
a_{31}		3'-10"	2'-7"	See Detail sheet #3



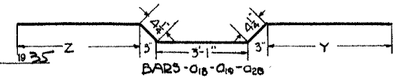
BARS - a_{21} - a_{22} - a_{23} - a_{24} - a_{25} - a_{26} - a_{27}



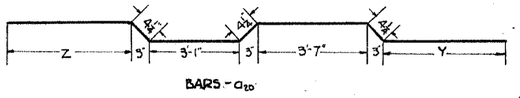
BAR - a_{17}

BARS - a_{29} - a_{30} - a_{31}

Note: For Dimensions Y & Z see table

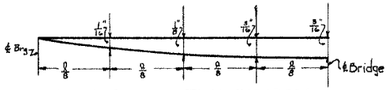


BARS - a_{18} - a_{19} - a_{28}



BARS - a_{20}

DETAILS OF BOTTOM BARS - 'a_{17}' to 'a_{31}'



DEAD LOAD DEFLECTION DIAGRAM

STANDARD	COMPUTED	J.P. Joyce, S.G.M.
	CHECKED	S.G. Martin
	DRAWN	J.P. Joyce
	CHECKED	S.G.M.
SPECIAL	ASSEMBLED	
	CHECKED	

EXAMINED 11-13-1935 — BRIDGE ENGINEER
PASSED — ENGINEER OF DESIGN
APPROVED — CHIEF HIGHWAY ENGINEER

[redacted] SECTION 123-B
OGLE COUNTY
STATION 313+89

EXISTING STRUCTURE PLANS