F.A. 2910.3-B WARREN 19 7

FOR INFORMATION ONLY

179'-9" BK. TO BK. ABUTS.

FOR HANDRAIL DETAILS AND SPACING SEE SHEET 9

ALUMINUM SHEETS IN CURB (SEE CURB DETAIL)

33" WF 130#

EXP. FIX EXP. EXP.

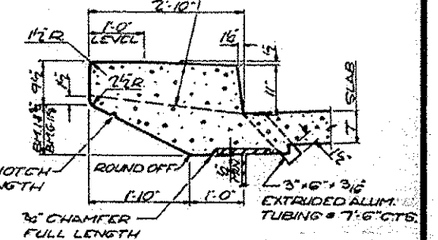
BK. SO ABUT. BK. NO. ABUT.

1'-10½" 65'-6" C.C. BRGS. 65'-0" C.C. BRGS. 65'-6" C.C. BRGS. 1'-10½"

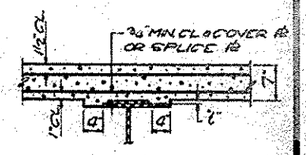
℄ BRG. SO. ABUT. SPAN 1 ℄ BRG. PIER 1 SPAN 2 ℄ BRG. PIER 2 SPAN 3 ℄ BRG. NO. ABUT.

OUTSIDE ELEVATION

BOTT. EDGE OF 8" ALUMINUM SHEET (6008-H10) SEE PLAN COST TO BE INCIDENTAL



CURB DETAIL



METHOD OF DETERMINING FILLET HEIGHT "t"

AFTER ALL STRUCTURAL STEEL HAS BEEN ERECTED, ELEVATIONS OF THE TOP FLANGES OF THE BEAMS SHALL BE TAKEN AT INTERVALS NOT TO EXCEED 10 FT. FROM THESE ELEVS. SUBTRACT THE INCREMENT OF DEFLECTION FOR THESE POINTS DETERMINED FROM THE D.L. DEFLECTION DIAGRAM. THE ELEVS. SO ATTAINED SUBTRACTED FROM THE THEORETICAL GRADE ELEVATIONS, MINUS FLOOR THICKNESS EQUALS THE FILLET HEIGHT ABOVE TOP OF BEAM.

16'-3" 23'-3"-16" FLOOR DRAINS @ 7'-6" C. TO C. (SEE CURB DETAIL) 16'-3"

160 - #9 b 6'-6" CTS. (TOP OF EA. CURB) 5-b 5-b1 5-b1 5-b2

CONSTR. JTS. IN CURB TO TOP OF SLAB (TYPICAL) ALUMINUM SHEETS: COST INCIDENTAL TO CLASS X CONCRETE

8'-6" 8'-6" 6 b1 5-b1 6 b1 5-b

2'-0" RAD. SLOPE ¼" PER FT. TYP. 1½ @ 60° F.

35'-8" o.o.

3'-0" 15'-0" 2'-10"

1½ @ 60° F.

BK. SO ABUT STA. 596100.17 CR. EL. 687.97

℄ BRG. SO ABUT STA. 596102.00 CR. EL. 687.97

10 - #5 a BARS CUT TO FIT SKEW 22 TOP 21 BOTT.

ORDER 21 AND 22 BARS FULL LENGTH CUT TO FIT SKEW & USE REMAINDER IN OPPOSITE END

160 - #6 b3 @ 6" CTS. TOP SPACE BETWEEN b4 BARS OVER PIERS 6

SKEW

℄ BRG. PIER 1 STA. 596197.50 CR. EL. 688.05

11'-9" 7'-3" 7'-3" 11'-9"

37'-5 b6 (BOT. OF SLAB) SEE CROSS SECTION FOR SPACING - USE 7 LENGTHS MIN. LAP 15"

159 - #5 a & b 18" CTS. BENT ALTERNATE WITH 158 - #5 a2 @ 9" CTS. (TOP) 155 - #5 a1 @ 18" CTS. (BOTTOM)

℄ ROADWAY F.A. RTE. 9

160 - #6 b3 @ 6" CTS. TOP SPACE BETWEEN b4 BARS OVER PIERS

SKEW

℄ BRG. PIER 2 STA. 597162.50 CR. EL. 688.00

11'-9" 7'-3" 7'-3" 11'-9"

73 - #5 b & 18" CTS. TOP USE 7 LENGTHS MIN. LAP 18"

℄ BRG. NO. ABUT. STA. 598118.00 CR. EL. 689.01

USE REMAINDER OF a1 & a2 BARS FROM OPPOSITE END.

BK. NO. ABUT. STA. 598179.87 CR. EL. 689.03

15'-0" 15'-0" 2'-10"

5-#9 b TOP OF CURB (2 LENGTHS) 5-#9 b1 TOP OF CURB 5-#9 b2 TOP OF CURB (2 LENGTHS) 5-#9 b1 TOP OF CURB 5-#9 b TOP OF CURB (2 LENGTHS)

55'-6" C.C. BRGS. 65'-0" C.C. BRGS. 55'-6" C.C. BRGS.

177'-6⅝" O.O. SLAB

PLAN

35'-8" o.o. WATERTABLE

2'-10" 15'-0" 15'-0" 2'-10"

F.U. LEVEL 1'-10" SLOPE ½" PER FT. FOR 3'-0" 1½" CIRCULAR CROWN IN 12'-0" 1½" CIRCULAR CROWN IN 12'-0" SLOPE ½" PER FT. FOR 3'-0" 1'-10" 1'-0" LEVEL

℄ ROADWAY

LONG. BONDED CONSTR. JT. DO NOT EDGE

7" SLAB 2'-0"

b, b1 OR b2 b4 b3 b5 a2 a1 B B1 b5 b, b1 OR b2

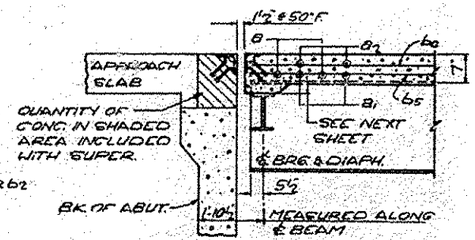
5" 7 - #5 b6 @ 9" CTS. 5" TYPICAL SPACING

2'-10" ⑥ ⑤ ④ 5 SPACES @ 6'-0" = 30'-0" ③ ② ① 2'-10"

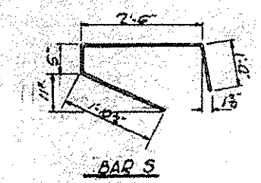
OVER PIERS TYPICAL

CROSS SECTION

SCALE: ½" = 1'-0"



SECTION AT END OF SLAB



BAR S

OUTSIDE BMS. INTERIOR BMS.

8 SPACES @ 13'-10½" = 55'-6" 8 SPACES @ 16'-3" = 65'-0" 8 SPACES @ 13'-10½" = 55'-6"

℄ BRG. S. ABUT. ℄ BRG. PIER 1 SPAN 2 ℄ BRG. PIER 2 ℄ BRG. N. ABUT.

SPAN 1 SPAN 3

DEAD LOAD DEFLECTION DIAGRAM

(WEIGHT OF STRUCTURAL STEEL NOT INCLUDED)

33'-9" O.O.

3'-0" 8" 3'-0" 8" 2'-3" 8" 3'-0" 8" 2'-3" 8" 1'-6"

6¼" 5½" ℄ BAR SYMM.

BAR B

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a	159	#5	36'-5"	
a1	168	#5	32'-3"	
a2	168	#5	34'-0"	
b	40	#9	70'-3"	
b1	40	#9	8'-3"	
b2	70	#9	70'-6"	
b3	88	#6	19'-0"	
b4	161	#6	26'-9"	
b5	269	#5	26'-6"	
B	328	#9	6'-1½"	
CLASS X CONCRETE CU. YDS.				170.5
REINFORCEMENT BARS LBS.				33,770
STRUCTURAL STEEL LBS.				67,580
PROTECTIVE COAT SQ. YD.				745

DECK DETAILS
F.A. RTE 9 SEC. 103-B
F.A. 9 OVER CEDAR CREEK
WARREN CO., ILLINOIS
STA. 597+30

11-1-62 Added 745 sq. yds. Protective Coat. Changed Lg. Bar Item from #6 to #5. Changed Reinf. Bars from 31,100# to 33,770#. S.C.

⚠ SHEET ADDED 1-6-17