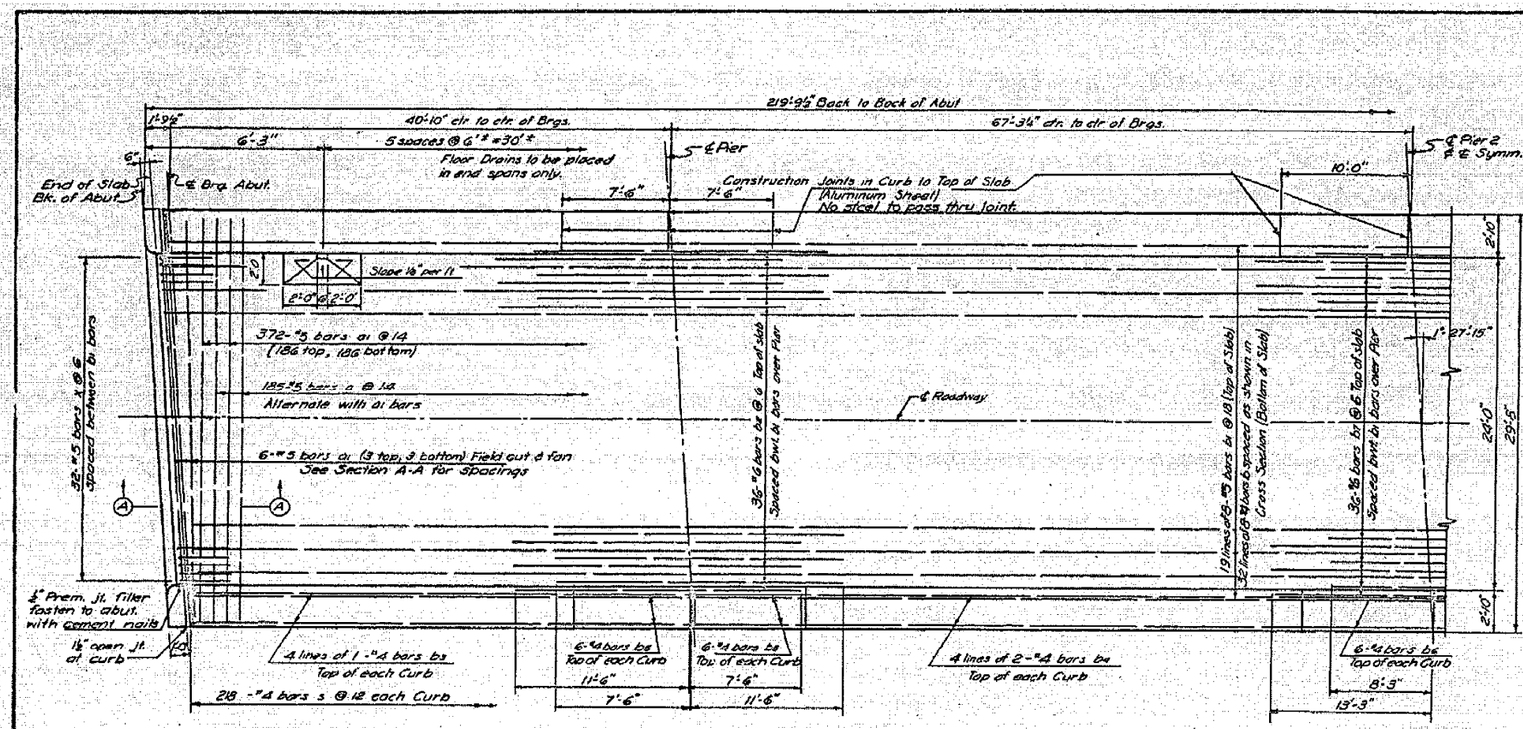
SHEET NO. 5
7 SHEETS

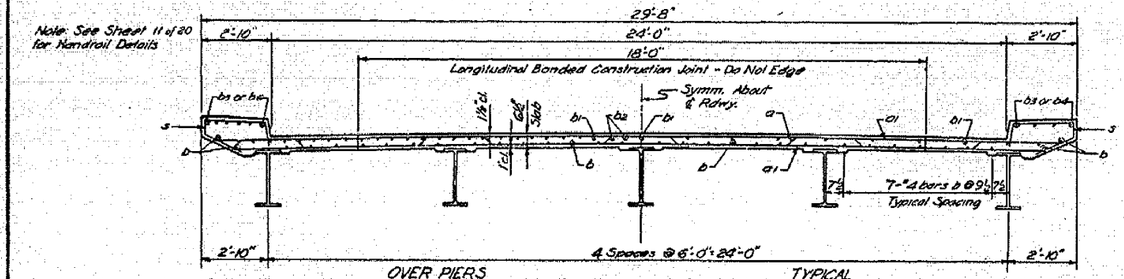
Work & Sec.	Route	County	Total Sheets	Sheet No.
F.A.I.57	10-33HB	CHAMPAIGN	19	8
Prior Sheet No. 7	Revised	Revised		



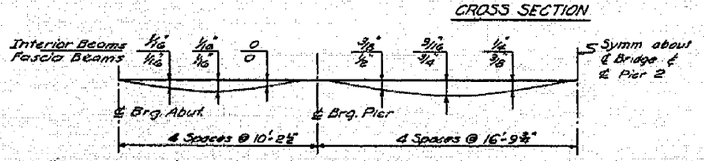
HALF PLAN

Roadway Crown: 1" circular curve for 10' each side of ℄, remainder sloped at .2 in per ft. Total Crown 1⅛"

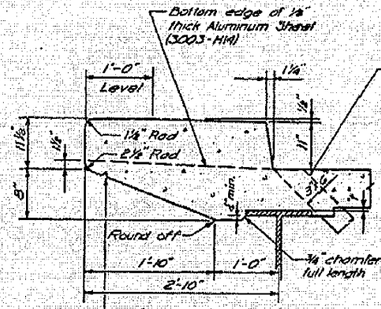
Note: See Sheet 11 of 20 for Handrail Details



CROSS SECTION

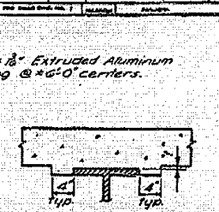


DEAD LOAD DEFLECTION DIAGRAM



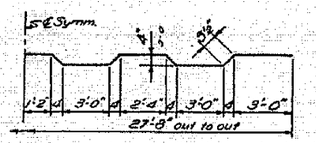
CURB DETAIL

Note: Aluminum curb joints and drains to be incidental to cost of Class X Concrete.

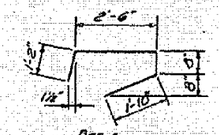


METHOD OF DETERMINING FILLET HEIGHT "f"

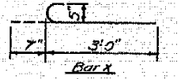
After all Structural Steel has been erected elevations of the top flanges of the beams shall be taken at intervals not to exceed 10 Ft. From these elevations subtract the increment of deflections for these points determined from the DL Deflection Diagram. The elevations so attained subtracted from the theoretical grade elevations, minus floor thickness equals the fillet heights above top of beam.



Bar a



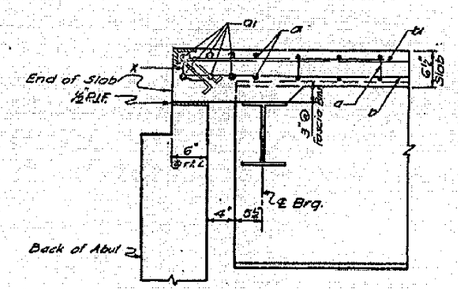
Bar s



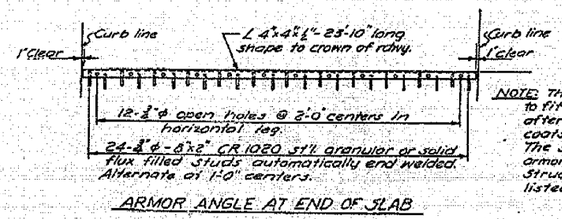
Bar x

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	185	#5	28'-8"	
a1	384	#5	27'-0"	
b	256	#4	28'-2"	
b1	132	#5	28'-5"	
b2	72	#6	19'-0"	
b3	16	#4	33'-9"	
b4	32	#2	25'-3"	
b5	48	#4	7'-3"	
b6	24	#4	9'-9"	
b7	36	#6	21'-6"	
s	436	#4	6'-2"	
x	64	#5	3'-7"	c
Class X Concrete			Cu Yds.	171.3
Reinforcement Bars			Lbs	32,208



SECTION A-A



ARMOR ANGLE AT END OF SLAB

NOTE: The armor angle shall be fabricated to fit the roadway. All surfaces inaccessible after erection shall receive two shop coats of red lead paint except the studs. The studs shall not be painted. The armor angle is included for payment as Structural Steel and the quantity is listed on Sht. 7 of 21.

SUPERSTRUCTURE
F.A.I.RTE.57 SEC.10-33HB
CHAMPAIGN COUNTY
STA. 403+34.43

JOB NO. 394-V7

DESIGNED BY CDP | DRAWN BY CDP | DATE 5-4-59 | CHECKED BY RWH | DATE 6-9-59 | IN CHARGE GHZ

FILE NAME = c:\pw_work\pwidot\buckles jj\d0265817\D570924-sht-Details.dgn	USER NAME = buckles jj	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/5/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS – S.N. 010-0103
FOR INFORMATION ONLY

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-33HB)BDR	Champaign	27	17
		CONTRACT NO. 70924		
	ILLINOIS FED. AID PROJECT			