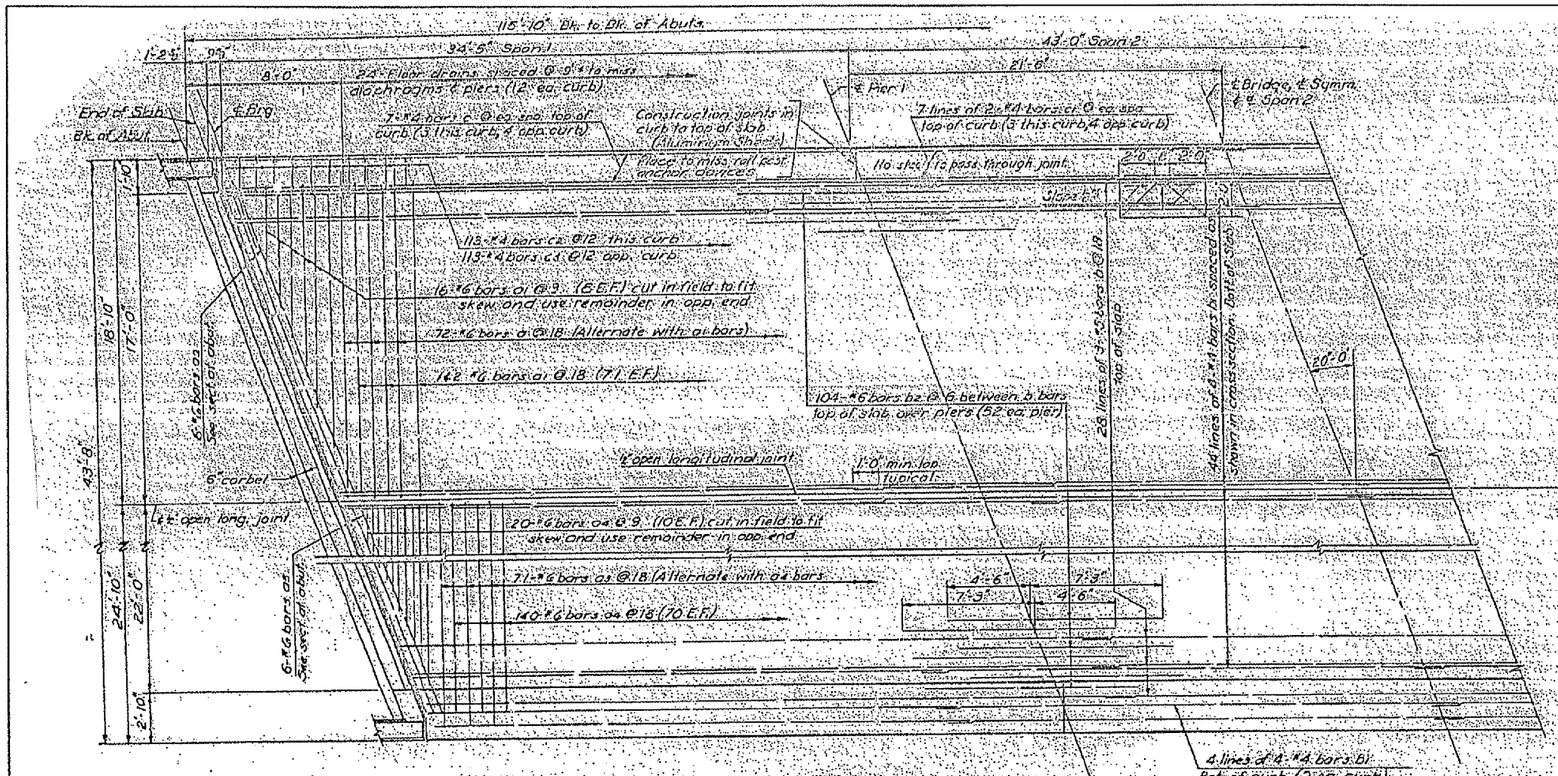
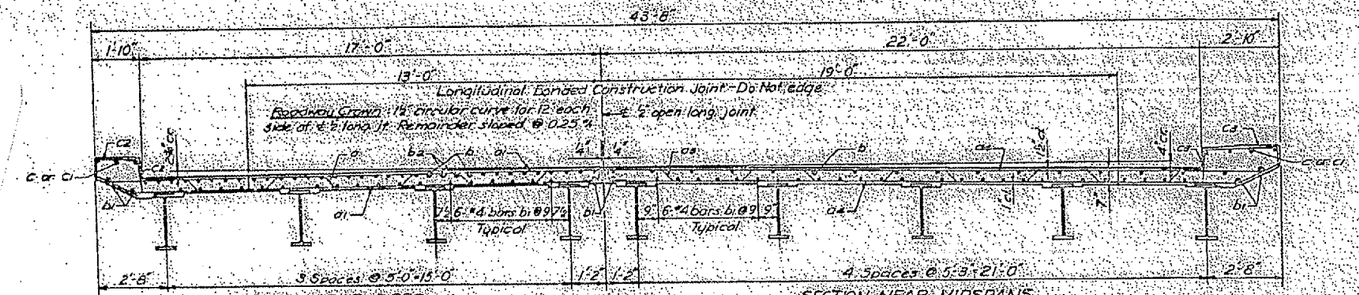
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	25	14

* I-74 & I-57
** D-5 BRIDGE PAINTING 2005-1
CONTRACT NO. 70451



HALF PLAN
South half of East Bridge shown
Scale: 1" = 1'-0"
West Bridge is opp. hand. See G.P.&E. sht. for layout.

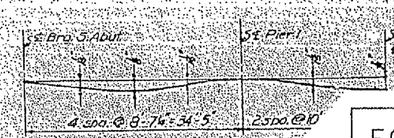


SECTION NEAR PIERS
SECTION NEAR MIDSPANS

CROSS SECTION
Looking North for East Bridge
Looking South for West Bridge
Scale: 3/4" = 1'-0"

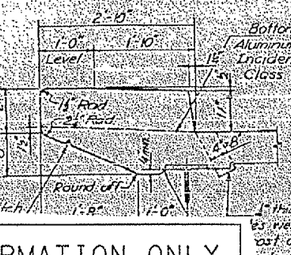
METHOD OF DETERMINING FILLET HEIGHT "Y"

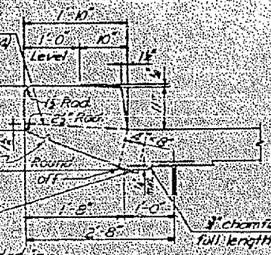
After all Structural Steel has been erected, elevations of the top flanges of the beams shall be taken at intervals not to exceed 10 ft. From these elevations subtract the accurate or deflections for these points determined from the D.L. Deflection Diagram. The elevations so obtained subtracted from the theoretical grade elevations, minus slab thickness, equal the fillet heights above top of beams.



DEAD LOAD DEFLECTION

FOR INFORMATION ONLY





1'-10" CURB DETAIL

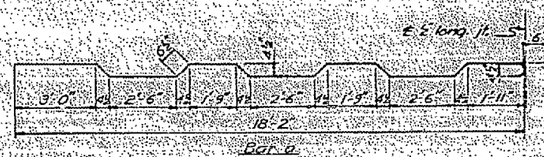
Stepped area to be poured after superstructure formwork has been removed. Quantity of Class X Concrete included. ½" open joint with superstructure

SECTION AT ABUTMENT
Scale: 2" = 1'-0"

Bars c2 & c3

BILL OF MATERIAL - 2 BRIDGES

Bar	No.	Size	Length	Shape
a1	144	#6	19'-2"	
a2	316	#6	17'-2"	
a3	124	#6	16'-3"	
a4	132	#6	26'-1"	
a5	1350	#6	23'-2"	
a5	24	#6	24'-7"	
b	168	#5	38'-5"	
b1	384	#4	25'-0"	
b2	208	#6	11'-9"	
c	28	#4	33'-0"	
c1	28	#4	22'-0"	
c2	226	#4	5'-2"	
c3	226	#4	6'-2"	
Class X Concrete			Cu Yds.	253.00
Reinforcement Bars			Lbs.	51,237



Bar c

Bar a3

SUPERSTRUCTURE
FAI RTE 57, SEC 10-5231
CHAMPAIGN COUNTY