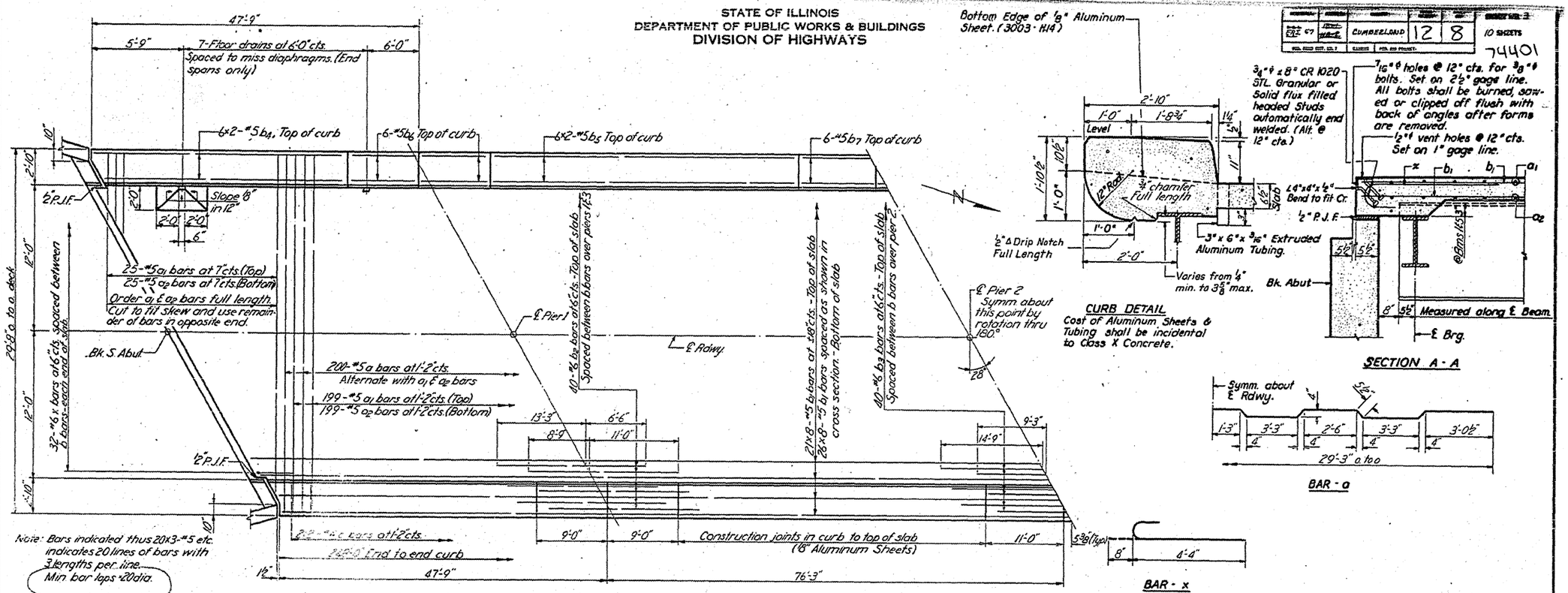
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

		CUMBERLAND	12	8	10 SHEETS

74401

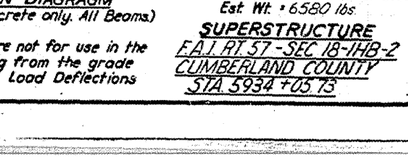


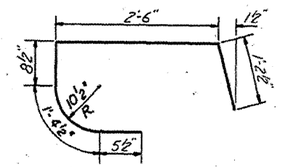
Note: Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line. Min bar laps = 20 dia.

SPAN 1 OR 4

SPAN 2 OR 3

HALF PLAN

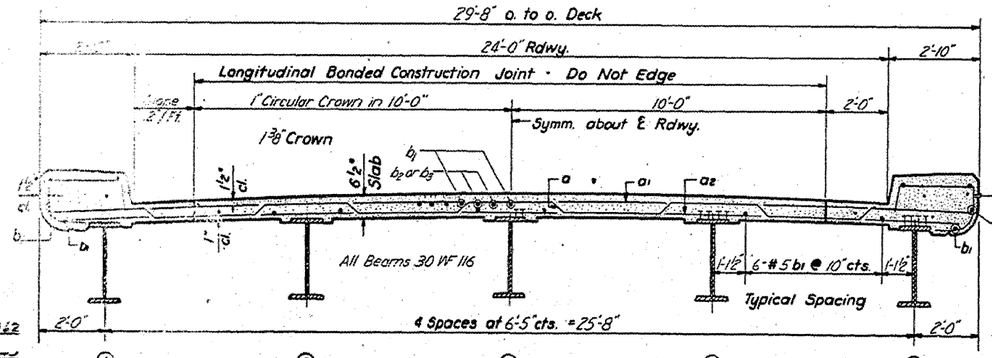




BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	200	#5	30'-3	
a1	224	#5	29'-3"	
a2	224	#5	28'-8	
b1	376	#5	32'-0	
b2	80	#6	19'-9"	
b3	40	#6	24'-0"	
b4	48	#5	20'-0"	
b5	48	#5	28'-9"	
b6	48	#5	8'-9	
b7	24	#5	10'-9	
c	424	#4	6'-3"	
x	64	#6	5'-3"	
Class X Concrete			Cu Yds.	211
Reinforcement Bars			Lbs.	41630
* Structural Steel			Lbs.	77900

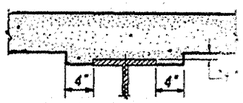
* Weight of bearing assembly with lead plates, & anchor bolts included as Structural Steel. Est. Wt. = 6580 lbs.



NEAR PIER

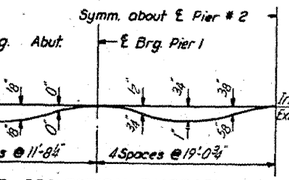
NEAR MIDSPAN
(Shear connectors in spans 2 & 3 only)

CROSS - SECTION



STANDARD FILLET DETAIL

To determine "t" After all Structural Steel has been erected, elevations of the flanges of the beams shall be taken at intervals shown on Sheet #5. These elevations, subtracted from the "Grade Elevations Adjusted for Dead Load Deflections" shown on Sheet #5 minus slab thickness, equals the fillet height "t" above top of beams.



DEAD LOAD DEFLECTION DIAGRAGM
(Includes Weight of Concrete only. All Beams.)

Note:
The above deflections are not for use in the field if the Engineer is working from the grade elevations adjusted for Dead Load Deflections as shown on Sheet #5.

DESIGNED	F. M. Upmeier	DATE	12 1962
CHECKED			
DRAWN	L. Wanless J. Putman		
CHECKED			

SUPERSTRUCTURE
F.A.I. RT. 57 - SEC. 18-1HB-2
CUMBERLAND COUNTY
STA. 5934 + 05.73

LOCATION 2