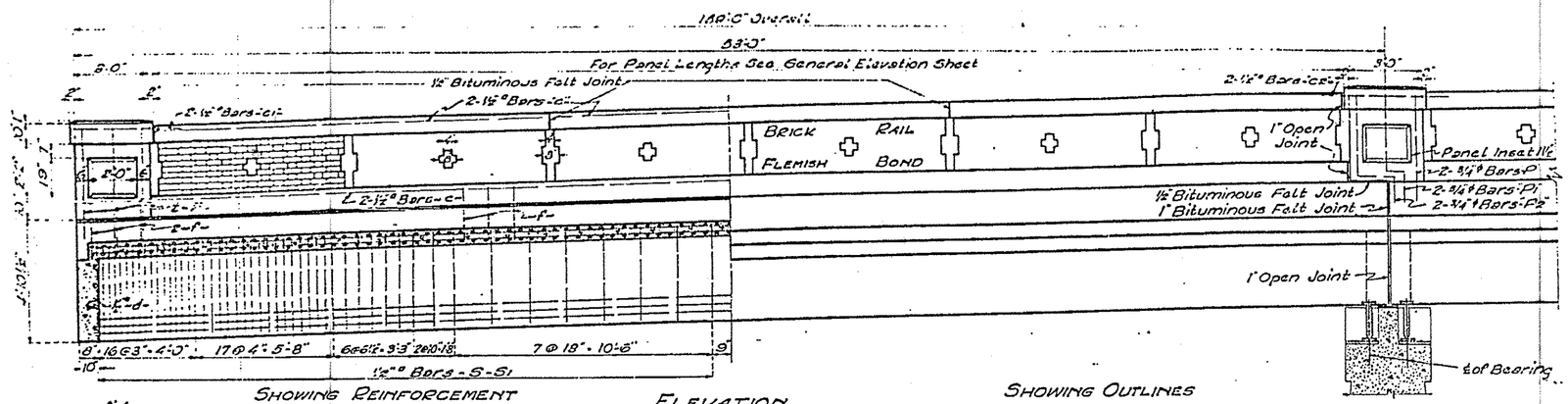
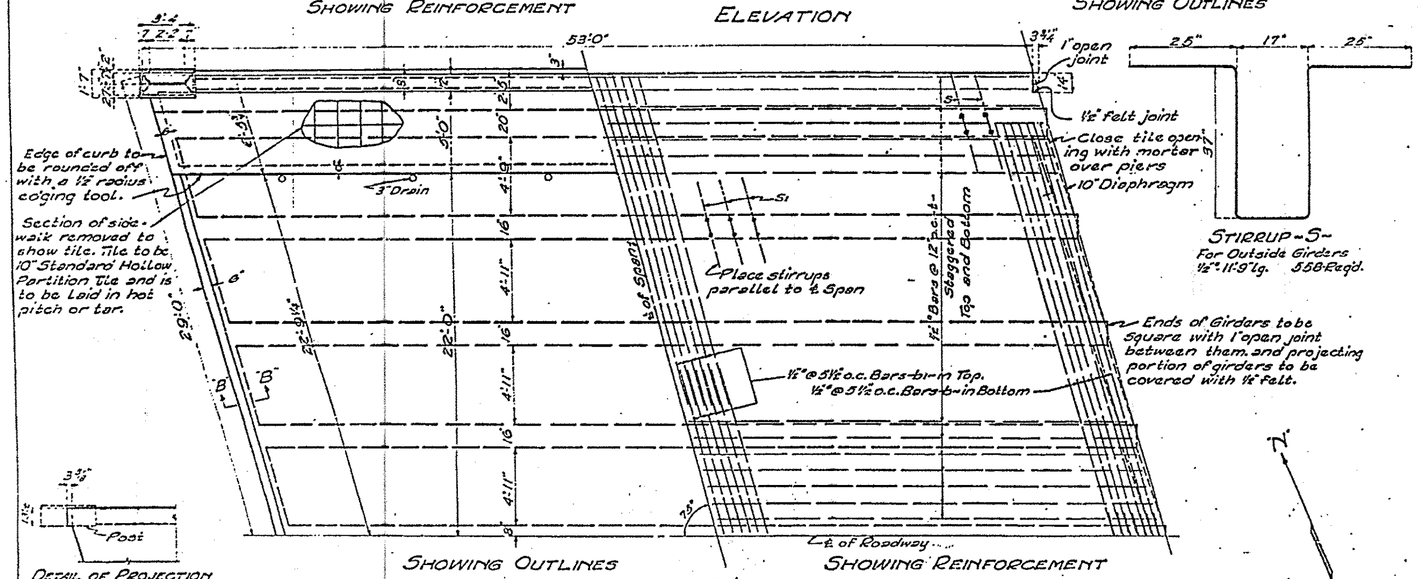
DEPARTMENT OF HIGHWAYS
COOK COUNTY

F.A.U. Rte.	Section	County	Total Sheets	Sheet No.
3523	12891	COOK	22	13
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	

SHEET 8 OF 9

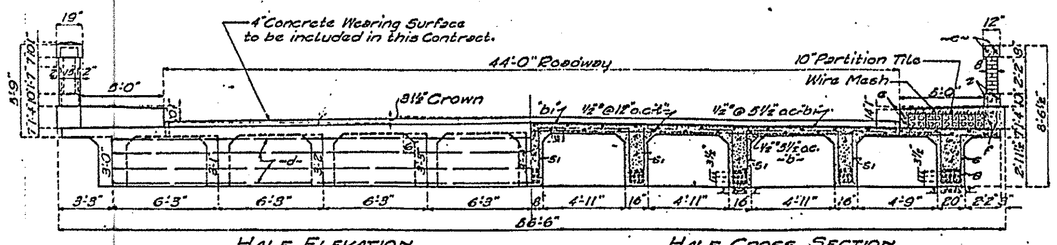


SHOWING REINFORCEMENT ELEVATION SHOWING OUTLINES



SHOWING OUTLINES PLAN SHOWING REINFORCEMENT

DETAIL OF PROJECTION N.W. & S.E. Corners of Each Span.

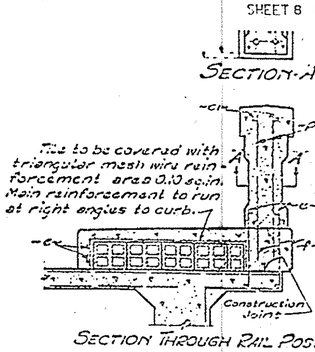


HALF ELEVATION HALF CROSS SECTION

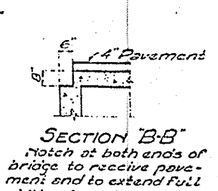
APPROVED [signature] 1-27
ASST. COUNTY ENGR. OF SURVEYS
COMPUTED W.M.K.
DRAWN R.A.H.
CHECKED [signature]

STIRRUP-S- For Outside Girders ½"-11'-9" lg. 558 Req'd.

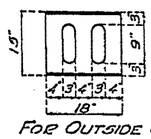
STIRRUP-S1- For Inside Girders ½"-12'-0" lg. 2058 Req'd.



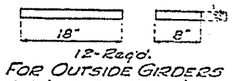
SECTION A-A SECTION THROUGH RAIL POST



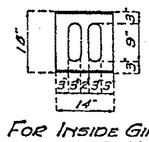
SECTION "B-B" Notch at both ends of bridge to receive pavement and to extend full width of roadway.



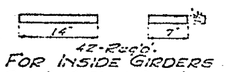
FOR OUTSIDE GIRDERS 6-Req'd.



12-Req'd. FOR OUTSIDE GIRDERS Detail of Steel Bearing Plates. Surface adjacent to Rockers to be Planed.



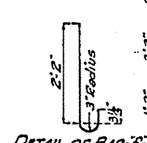
FOR INSIDE GIRDERS 21-Req'd.



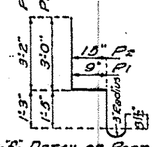
42-Req'd. FOR INSIDE GIRDERS Detail of Steel Bearing Plates. Surface adjacent to Rockers to be Planed.

Rockers and Plates shall be given two coats of sublimed blue lead paint.

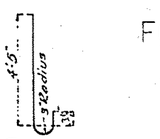
All Plates to be rolled stock of the required thickness.



DETAIL OF BAR-P- 12"-3'-9" lg. 930 Req'd.



DETAIL OF POST BARS -P1 & P2- ¾"-6'-3" B'Req'd.-P1- ¾"-6'-9" B'Req'd.-P2-



DETAIL OF P 3¼"-5'-6" S

BILL OF MATERIAL

Bar	No.	Size	Length
a	321	1¼"	52'-6"
b	672	½"	27'-0"
b1	1008	½"	27'-0"
c	36	½"	18'-0"
c1	8	½"	18'-0"
c2	8	½"	7'-0"
d	40	½"	27'-0"
e	40	½"	27'-0"
f	330	½"	9'-3"
S1	2058	½"	12'-0"
S	558	½"	11'-0"
t	336	½"	27'-0"
P	32	¾"	5'-6"
P1	8	¾"	6'-3"
P2	8	¾"	6'-9"

Total Wt. Steel Lbs. in Item 45
27 Cast Iron Rockers Lbs. 3,000
54 Steel Plates Lbs. [illegible]
Total Wt. Concrete Substructure
Brick Cu. Yds. N.E.
10" Partition Tile Sq. Ft. 1,422
0.0" Wire Mesh Sq. Ft. 2,061
Wearing Surface Sq. Ft. 2,052

NOTE

Class A Concrete to be used throughout. Proportions 1-2½-5.

All edges of exposed concrete to be re-rived by use of ¾ inch triangular moulding.

All reinforcing bars shall be either new billet steel or rail steel conforming to the requirements specified in Art. 574 of the County Specifications for Highways and Bridges. All bars must be obtained in full length as indicated in the Bill of Material.

All reinforcing steel shall be securely wired in position before concrete is placed.

In rail posts, the projecting portion of C bars shall be permitted to slide freely in the adjacent rail section. A ¾ inch pipe sleeve with cap shall be provided two inches longer than the projecting portion of the bar.

Before any work for the construction of false work is started by the Contractor, he shall submit to the Engineer for approval, a detail sketch of the false-work intended to be used for supporting the superstructure.

FOR INFORMATION ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION

RAND ROAD
OVER DES PLAINES RIVER
SN 016-0362

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

D C B A 0 A B C D

TAMERAN