COUNTY PROGRAM		SHEET
ITEM No.	YEAR	No.
	1969	17

534'-0 ℄ West Abt. to ℄ East Abt.

138'-0 SPAN 3

129'-0 SPAN 4

℄ Pier #3

℄ Light Standard Sta. 35+49 (See Sht. №27)

℄ Brg. East Abt.

#4d bars & #5d bars in each curb

Location of ½" Alum. Sheets

10'-0 | 10'-0 | 10'-0 | 10'-0 | 10'-0 | 10'-0

(2x3)-#8b6 Top
(2x3)-#5b7 Bott.

Each space btwn Alum. Sheets } 2-#8b6 Top, 2-#5b7 Bott.

(2x3)-#8b6 Top
(2x3)-#5b7 Bott.

1'-#4a22 T.&B.

4-Scuppers (See Detail this sheet & Sht. 27)

#5a1 (alternate with a12)
#5a12 (alternate with a1)
#5a13 Top (alt. w/a14) & #5a15 Bott. (alt. w/a16)
#5a14 Top (alt. w/a13) & #5a16 Bott. (alt. w/a15)

#6 a1 bars @ 12" between #5b1 bars in alternate positions across full width of bridge over Pier only. 89 req'd

24'-9 | 21'-0

#5b1 bars

℄ LINE "F"

#5a8 (alt. w/a12)
#5a12 (alt. w/a11)
#5a13 Top (alt. w/a14) & #5a15 Bott. (alt. w/a16)
#5a14 Top (alt. w/a13) & #5a16 Bott. (alt. w/a15)

STA. 35+09.92

74°-00'-00" (TYP.)

Anchor Bolts for Box Beam Median Barrier Posts. For Details see Sheet №. 26

#5a1 (alternate with a12)
#5a2 (alternate with a11)
#5a3 Top (alt. with a4) & #5a5 Bott. (alt. with a6)
#5a4 Top (alt. with a3) & #5a6 Bott. (alt. with a5)

℄ LINE "E"

#5a1 (alt. w/a2)
#5a2 (alt. w/a1)
#5a3 Top (alt. w/a4) & #5a5 Bott. (alt. w/a6)
#5a4 Top (alt. w/a3) & #5a6 Bott. (alt. w/a5)
#6a Top (between a1, a3, a7) @ each curb end

1'-0"

10'-0 | 10'-0 | 10'-0 | 10'-0 | 10'-0 | 10'-0 | Location of ½" Alum Sheets see Detail Sht. №25

#5 Scupper (See Detail Sht. 27)

STA. 34+00 MATCH LINE See Sheet 5

Each space btwn Alum. Sheets } 2-#8b6 Top, 2-#5b7 Bott.

(2x3)-#8b6 Top
(2x3)-#5b7 Bott.

1'-#4a22 T.&B.

Light Standard Sta. 35+14 (See Sht. №27)

½ DECK PLAN (SEE SHEET 5 FOR WEST HALF)

Scale: Horiz. 3/32" = 1:0, Vertic. 1/8" = 1:0

℄ CONSTRUCTION

1:3 | 1:3 | 7'-9 | 12'-0 | 12'-0 | 9'-3 | 1'-9

Box Beam Median Barrier (For Details see Sht. 26)

2'-6

1'-7½" Min. Slab Thick. at ℄ Bridge

Crown 0.11185

#5a13 | #5a14 | #5a11 | #5a12 | #5a15 | #5a16

1:3 Min. Lap

-0.01ft

3" (TYP.)

#5a8 & #5a9 truss bars @ 13'-ctrs. alternate with #5a13 & #5a14 straight bars on top & with #5a9 & #5a15 str. bars at the bottom. Splices are staggered.

10½ | 8-#5b6 @ 8½" Typ. spcg btwn. Brgs. | 10½

#5b1 bars

Bridge Deck Waterproofing. See Detail Sht. #26.

4'-5

9 1:0

For location of Dowels, 16" bars & Anchor Bolts for Parapet Handrail see Sht. 23

See Detail "A" Sht. №5

Lower Bound Const. Jt. (Colmar slope)

1:3½ | 1:2

6 SPCS @ 6'-0 = 40'-0

2'-10

44'-0

SECTION B-B

Scale: ½" = 1:0

46'-5½" bars each as shown in Section B-B

46'-0

23'-0

21'-0

(4-#5a1 @ 6½" T.&B.

19-#5a2 @ 6½" Bott. Cut in field & use remainder as Top bars.

(2x2)-#5a9 @ 6½ Top & Bott.

(4-#5a1 @ 6½ Bott. Cut in field & use remainder as Top bars. Stagger splices with a13

STA. 36+38.32

℄ CONSTR.

℄ 1" JOINT

44'-0

19'-3½

24 Spcs @ 5½

6½

20-#5a10 @ 5½ Bott. Cut in field & use remainder as Top bars.

5-#5a9 @ 5½ Top & Bott.

24-#5a9 @ 5½ Top & Bott.

5-#5a6 @ 5½ Bott. Cut in field & use remainder as Top bars Stagger splices with #5a3 bars.

1'-9

3'-10½

1'-9 | 2'-1½ | ℄ Scupper

7½ | 1'-6½

Deck Waterproofing. See Sht. №26.

Slope to fit

2'-10 | 1'-0½

#4a10 BAR

Top of Pier Cap

Bottom of Pier Cap

2'-3½

TYP. DETAIL OF BRIDGE DRAINAGE

#5 BAR SCHEDULE

MARK	NO.	SIZE	LENGTH	SKETCH
a1	571	5	20'-1	
a2	571	5	25'-3	
a3	570	5	14'-6	
a4	570	5	29'-0	
a5	590	5	33'-3	
a6	575	5	10'-3	
a7	20	5	35'-2	
a8	5	5	12'-10	
a9	16	5	22'-6	
a10	20	5	32'-7	
a11	482	5	25'-8	
a12	482	5	23'-1	
a13	482	5	13'-0	
a14	482	5	33'-2	
a15	498	5	36'-4	
a16	482	5	10'-0	
a17	3	5	10'-10	
a18	18	5	36'-8	
a19	16	5	22'-10	
a20	20	5	32'-7	
a21	482	5	25'-8	
a22	482	5	23'-1	
a23	482	5	13'-0	
a24	482	5	33'-2	
a25	498	5	36'-4	
a26	482	5	10'-0	
a27	3	5	10'-10	
a28	18	5	36'-8	
a29	16	5	22'-10	
a30	20	5	32'-7	
a31	4	5	10'-0	
a32	12	5	7'-7	
a	1186	6	4'-0	
b1	3216	5	34'-7	
b2	24	8	34'-4	
b3	24	5	33'-10	
b4	72	8	9'-9	
b5	72	5	9'-9	
b6	24	8	27'-5	
b7	24	5	26'-9	
g1	178	6	45'-9	
g2	89	6	49'-6	
d	1068	4	4'-3	
d1	1068	5	3'-5	
x	178	5	3'-9	

#5a9 BAR

#5a2 BAR

#5a4 BAR

#5 X BAR

#5a12 BAR

#4-d BAR

#5d BAR

#4-a22 BAR

#6 a BAR

REVISIONS		
DATE	BY	DESCRIPTION
10/1/69	EWS	Added #5a bars on Deck Plan
"	"	Added #5a Bar Detail
"	"	Added #4a Bars To Bar Schedule
"	"	Revised Re Bar Quantities
"	"	Added Longitudinal Center Joint

BILL OF MATERIAL		
Class "X" Concrete	1329	Cu. Yds.
Reinforcement Bars	312,392	Lbs.
Protective Coat	387	Sq. Yds.
Coal Tar Interlayer Protective Coat	4,790	Sq. Yds.
Bituml. Conc. Surface Course, Class I, 1½"	384	Tons

SCALE: AS SHOWN

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

GEORGE W. DUNNE, President Board of Commissioners — THOMAS G. COTS, Superintendent of Highways

SUPERSTRUCTURE - CONCRETE DECK
STONY ISLAND EXP. CONNECTOR TO F.A.I. 94 OVER CHICAGO ROCK ISLAND & PACIFIC R.R.

COMPUTED
CHECKED
DRAWN
CHECKED

PROJECT EBU-EBUG-285 (64)
SUBMITTED 3-10-69
Structural Engineer

EXAMINED 3-24-69
Chief Engineer of Design

Route	Section Number	Sheet No.	Total Sheets	Drawing No.
171A	171A-CW1.2	G	41	SI98

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbandainc.com

USER NAME =	DESIGNED -	REVISED -
	CHECKED - BAK	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 03/29/2013	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NO. 016-2440
SHEET NO. S-40 OF S-47 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	468
		CONTRACT NO. 60J12		
	ILLINOIS FED. AID PROJECT			

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