ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1517	03-00247-00-BR	KANE	121	93
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

CONTRACT #83867

SHEET NO. SE-10
SE-27 SHEETS

N

℄ Brg. W. Abut — ℄ Pier 1 — ℄ Brg. E. Abut

$10\frac{3}{8}$" | 73'-$5\frac{1}{2}$" Span 1 | 73'-3" Span 2 | $10\frac{3}{8}$"

149-#4 d_{300}(E) bars at 12" cts. (Outside face)
149-#6 d_{301}(E) bars at 12" cts. (Inside face)

11'-7" | 11'-7" — 1" Deep Saw Cut In Sidewalks & Median

Light Pole Pedestal See Sheet SE-14, Detail 1 (Typ.)

74'-1" O. to O.

Stage I Construction 35'-0"
6'-0" Side Walk
26'-0"

149-#5 c_{301}(E) bars at 12" cts. (Lap with c_{300}(E) bars)
149-#5 c_{300}(E) bars at 12" cts.
297-#5 a_{300}(E) bars at 6" cts. (Top)
223-#5 a_{301}(E) bars at 8" cts. (Bottom)
297-Bar Splicer Assemblies for #5(E) bars at 6" cts. (Top)
223-Bar Splicer Assemblies for #5(E) bars at 8" cts. (Bottom)
149-#5 c_{303}(E) bars at 12" cts. (Median - Lap w/ c_{304}(E))
149-#5 c_{304}(E) bars at 12" cts. (E.F. - Median)

32x6-#5 b_{302}(E) bars Bottom of slab space as shown in cross-section

35-#6 b_{300}(E) bars at 12" cts. Top of slab over Piers

90° (Typ.)

7x5-#5 b_{300}(E) bars at 12" cts.

℄ Illinois Av., P.G.L. & Crown
Stage Construction Line and Longitudinal Bonded Const. Joint

2'-0" Median

36x5-#5 b_{300}(E) bars at 12" cts. Top of Deck

A — A

Stage II Construction 39'-1"
2'-0"
26'-0"
14'-1" S.U.P.

297-#5 a_{302}(E) bars at 6" cts. (Top)
223-#5 a_{303}(E) bars at 8" cts. (Bottom)
149-#6 d_{304}(E) bars at 12" cts. (Inside and Outside Face)
149-#5 c_{302}(E) bars at 12" cts. (Lap with c_{305}(E) bars)
149-#5 c_{305}(E) bars at 12" cts.

A — A

37x6-#5 b_{302}(E) bars Bottom of slab space as shown in cross-section

39-#6 b_{300}(E) bars at 12" cts. Top of slab over Piers

Scupper Detail See Sheet SE-14 (Typ.)

15x5-#5 b_{300}(E) bars at 12" cts.

Light Pole Pedestal See Sheet SE-14, Detail 2

40x5-#5 b_{300}(E) bars at 12" cts. Top of Deck

76-#5 x_{300}(E) bars at 12" cts. (Each End) Lap with b_{300}(E) bars

4'-0" | 22'-0" | 21'-9"

149-#5 d_{303}(E) bars at 12" cts.

20'-$2\frac{5}{8}$" | 3 Spaces at 36'-0" = 108'-0" | 20'-$2\frac{5}{8}$"

Drainage Scupper Spacing $1\frac{5}{8}$" at 50° F

$1\frac{5}{8}$" at 50° F | 148'-$5\frac{1}{4}$" End to End of Deck

DECK PLAN

74'-1" Out to Out
35'-0" Stage I Construction | 39'-1" Stage II Construction
℄ Illinois Av., P.G.L. & Crown
1'-0" | 5'-0" | 13'-0" | 13'-0" | 1'-0" | 1'-0" | 13'-0" | 13'-0" | 14'-1"
7" | 1'-0" | 11'-11" | 7"

See Section thru Sidewalk on Sheet SE-11

Total Drop = $5\frac{7}{8}$"
Total Drop = $5\frac{7}{8}$"

1'-9$\frac{1}{8}$" | 9" | a_{300}(E) | b_{300}(E) | $\frac{1}{4}$": 1'-0" | $\frac{3}{16}$": 1'-0" | 2$\frac{1}{4}$" cl. (±1") | 7$\frac{1}{2}$" Slab | 1" clr. | Crown | See Section thru Median on Sheet SE-11 | Bar Splicer Assembly (Typ.) | $\frac{3}{16}$": 1'-0" | a_{302}(E) | a_{303}(E) | $\frac{1}{4}$": 1'-0" | 6" | 4'-6"

See Section thru Shared Use Path on Sheet SE-11

W30x148 | W30x173 | b_{301}(E)

Longitudinal Bonded Const. Joint. Do Not Edge

$9\frac{1}{2}$" | b_{302}(E) bars at 12" cts. typ. between beams | $9\frac{1}{2}$"

1E | 2E | 3E | 4E | 5E | 6E | 7E | 8E | 9E | 10E

2'-11" | 9 Spa. at 7'-7" = 68'-3" | 2'-11"

Near Midspan | Near Piers

TYPICAL DECK CROSS SECTION

(Looking East)

NOTES:

Min. Lap length for #5 Bars = 2'-2"
Min. Lap length for #6 Bars = 2'-7"
Reinforcement Bars designated (E) shall be epoxy coated.
Work this sheet with sheets SE-11 thru SE-14.
Bars indicated thus 1x2-#5 etc. indicates 1 line of bars with 2 lengths per line.
See Sheet SE-11 for Section A-A.

DESIGNED	AEU
CHECKED	RGD
DRAWN	WJH
CHECKED	NRF

SMITH ENGINEERING CONSULTANTS, INC.
CIVIL/STRUCTURAL ENGINEERS AND SURVEYORS
www.smithengineering.com
E-mail: aeu@smithengineering.com

REVISIONS

NAME	DATE

CITY OF AURORA

DECK PLAN & CROSS SECTION
ILLINOIS AVENUE
OVER THE FOX RIVER
SECTION NO. 03-00247-00-BR
KANE COUNTY
STRUCTURE NO. 045-6008

DATE 7-28-2006

COMPANY NAME, ETC. INC.
PROJECT CONTACT: MPROJECT.CONTACT
PHONE NUMBER
5/1/2006 3:53:51 PM
P:\DGN\SMITH\03BR00008\sheets\sheet 3.11mm bridge\city of aurora\deck\structure\sheet bridge\deck03BR00008-SE10-11.dgn