

**SUPERSTRUCTURE  
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	689	#5	25'-6"	—
a1(E)	594	#5	25'-2"	—
a2(E)	689	#5	21'-0"	—
a3(E)	594	#5	20'-8"	—
a4(E)	64	#5	2'-0"	—
a5(E)	84	#5	6'-6"	—
a10(E)	2	#5	22'-7"	—
a11(E)	2	#5	18'-1"	—
a12(E)	16	#6	25'-6"	—
a13(E)	16	#6	21'-0"	—
b10(E)	476	#5	30'-11"	—
b11(E)	344	#5	27'-4"	—
b12(E)	680	#5	31'-0"	—
b13(E)	473	#5	28'-5"	—
b14(E)	47	#6	29'-7"	—
b15(E)	47	#6	36'-3"	—
b16(E)	47	#6	47'-8"	—
b17(E)	47	#6	43'-0"	—
b18(E)	47	#6	37'-5"	—
c(E)	495	#5	2'-5"	—
c1(E)	990	#5	7'-8"	—
c2(E)	495	#5	1'-8"	—
d(E)	990	#4	5'-7"	L
d1(E)	990	#6	4'-4"	L
d2(E)	212	#4	2'-0"	L
d3(E)	12	#6	3'-6"	L
d4(E)	20	#6	8'-11"	L
e10(E)	36	#4	18'-6"	—
e11(E)	24	#4	6'-5"	—
e12(E)	36	#4	14'-7"	—
e13(E)	24	#4	8'-2"	—
e14(E)	48	#4	17'-6"	—
e15(E)	36	#4	19'-7"	—
e16(E)	24	#4	11'-11"	—
e17(E)	48	#4	15'-3"	—
e18(E)	24	#4	10'-8"	—
e19(E)	36	#4	15'-8"	—
e20(E)	24	#4	8'-8"	—
e21(E)	36	#4	18'-3"	—
x(E)	148	#5	5'-11"	—
Concrete Superstructure		Cu. Yd.	913.8	
Reinforcement Bars, Epoxy Coated		Pound	164,130	
Bridge Deck Grooving		Sq. Yd.	1,615	
Protective Coat		Sq. Yd.	2,924	

\*\* Bar has a threaded end.

- Notes:
1. Work this sheet with Sheets S10 thru S14.
  2. See Sheet S15 for expansion joint details.
  3. See Sheet S16 for drainage scupper details.
  4. See Sheet S17 for bridge fence railing details.
  5. Bar indicated thus 20x3-#5, etc. indicates 20 lines of bars with 3 lengths per line.
  6. Cut longitudinal reinforcement to clear scuppers.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUPERSTRUCTURE DETAILS**  
31 ST. STREET OVER M.J. & C.W.I.R.R.  
F.A.U. ROUTE 1463 SECTION 159-1010.1B  
COOK COUNTY  
STATION 217+09.66  
STR. NO. 016-0871

SCALE: VERT.      HORIZ.      DRAWN BY      JHR  
DATE: JANUARY 2008      CHECKED BY      CLS

