FOR INFORMATION ONLY

NOTE
Bars indicated thus 2[: 3-#5 etc indicates 20 lines of bars with 3 lengths per line
Min bar laps = 24 dia

STATE OF ILLINOIS
DIVISION OF HIGHWAYS

217'-2 3/4" End to end of parapet (Along Inside Curb Line)
217'-#4 d bars @ 12" cts. Outside face
217'-#5 d_1 bars @ 12" cts. Inside face
108'-6 5/16"
108'-8 1/8"
18'-0"
18'-0"
Construction joints in curb to top of slab (Aluminum sheets) (Typ. Ea. Side)
R=999.83'
2-#8 b_2 Top of curb
2x8-#8 b_2 Top of curb
2x3-#5 b_3 Bot. of curb
2-#5 b_3 Bot. of Curb
162-#6 a_2 bars @ 12" cts. Along curb lines (Alternate with a_1 bars)
163-#6 a_1 bars @ 16" cts. Along curb lines Top
163-#6 a_1 bars @ 16" cts. Along curb lines Bot.
Profile Grade Line
Tangent @ Station 100+00
Sta. 100+00
24-#6 b_1 bars @ 12" cts. Top of slab over pier
25x8-#5 b bars @ 12" cts. Top of slab
38 x d_3-#5 b bars spaced as shown in Cross Section
Bot. of slab
Place drain at top of concrete and slope deck surfacing as shown in cross section
4 Floor drains @ 6'-0" = 18'-0" (Typ. each end of superstructure low side)
28'-0" o to o deck
24'-6"
1'-9"
1'-0"
9"
6'-4"
5'-9 1/8"
3 x 8-#5 b Top of slab
2-#6 b_1 Top of slab
3" ϕ drain holes under Interlayer Protective Coat at each curb joint (Typ. each side)
L 6x4 x 1/2
℄ Pier
22'-6"
22'-6"
R=997.99'
163-#6 a_2 bars @ 16" cts. Top of slab
2 3/4" @ 50°F
108'-6 3/8"
108'-7"
217'-1 7/8" End to end of parapet (Along Inside Curb Line)
2 7/16" @ 50°F
North

PLAN

NOTE: For placement of bars d_3 and e thru e_2 see sheet #0

28'-0" o to o deck
26'-0" face to face of parapet & rail
16'-0"
Slope 0.08"/ft.
3'-3"
5'-3"
1'-0"
9"
Total Drop = 1'-11 1/8"
℄ Edge of Prt.
1/2" Class I ℄ Deck Waterproofing See Detail - Sht. #7
Grade Point
Edge of Prt.
2-#4 d_3 at ea. rail post
d
e thru e_2
b_2
b_3
b
a_2
a_1
a
12"
9-#5 b at 8" cts Typical between beams
3'-0"
3 spaces at 7'-4" = 22'-0"
NEAR PIER
NEAR MIDSPAN

CROSS SECTION
(All dimensions are radial dimensions)

Deck Surfacing
High curb
Low curb
Parapet
Bonded Constr Jt. (Optional)
1/8" Aluminum Sheet ASTM: B 209 alloy 3003-H14
Bonded Constr Jt (Mandatory)
Varies (4" Min.)
3/4" Drip Notch full length
See Cross Section
1/2" ϕ drain hole at curb joints. Do not provide opening in Interlayer Protective Coat.
3'-0"

END VIEW
CURB SECTION

Cost of Aluminum Sheets and Drains shall be incidental to Class X Concrete

Parapet Reinforcement and Class X Concrete are billed on sheet # 0

3/16" ϕ x 1'-1" Aluminum Bar A.S.T.M. B211 alloy 6061-T6
3/16" Aluminum Sheets Welded A.S.T.M. B209 alloy 6061-T6 or Aluminum Extrusions A.S.T.M. B221 alloy 6061-T6.
12"
4"
1/8"
TOP VIEW
DRAIN DETAILS

26'-0"
3'-7"
2'-11"
2'-11"
3'-7"
3'-9"
3'-9"
3'-9"
5"
6"
BAR a

2'-6"
1'-6"
BAR a_2

2'-9"
1'-10"
6"
BAR d

4 1/2"
1'-9"
1'-1"
6"
1'-10"
BAR d_1

DETAIL "A"

L 6 x 4 x 1/2 x 24'-5 1/2" long (N. Abut.) 25'-2 1/8" Long (S. Abut.)
Fabricate to crown
L 4 x 4 x 1/2 x 25'-11 1/2" (N. Appr. Bent) 26'-10 3/4" (S. Appr. Bent)
3/4" ϕ x 8" CR 1020 STL granular or solid flux filled headed studs automatically end welded
(125 - studs at 12" alternate cts.)
(220 - studs at Appr. Bent)
1/2" x 1 1/2" Bar, Tack weld @ 6" cts. (Abut. Ends)
7/16" ϕ vent holes at 12" cts set on 1 3/8" gage line
1 1/2" x 1 1/2"
3/8"
2 3/4" at 50°F

PREFORMED JOINT SEALER 4"

4"
3/16"
1 1/2"
4 23/32"

Preformed Jt. Sealer
3 1/2"
END OF SEALER TREATMENT

See Detail "A"
2 3/4" at 50°F
a_1
b
3" at ℄ girder
℄ Brg
5 1/2" Measured along ℄ Girder
1" N. A Abut.
6 3/32" S. Abut.

SECTION A-A

BILL OF MATERIAL

Bar	No	Size	Length	Shape
a	162	#6	27'-0"	
a_1	326	#6	26'-0"	
a_2	326	#6	4'-0"	
b	512	#5	28'-3"	
b_1	28	#6	45'-0"	
b_2	24	#8	31'-5"	
b_3	24	#5	31'-0"	
b_4	8	#8	17'-9"	
b_5	8	#5	17'-9"	
d	434	#4	4'-7"	J
d_1	434	#5	3'-8"	J
Reinforcement Bars			Lbs	44980
Class X Concrete			Cu Yds	165.3

DESIGNED	C.Clary
CHECKED	S.Mck.
DRAWN	C.Clary
CHECKED	S.Mck.

EXAMINED
PASSED
APPROVED

S-586-L(30°) 4-22-68, 12-3-69

SUPERSTRUCTURE, EB BRIDGE

F.A. RTE. 4.03 SEC. 195-3HB
WHITESIDE COUNTY
STATION 2205+45.83

D98-0077,8

* FAI Route 88 & FAP Route 309 (I-88 & US 30)
** D2 Bridge Painting 2009-2

FILE NAME = P:\PAINTING\64E63\PLANeng.dgn	USER NAME = linkdj	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Fri Dec 05 14:11:18 2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	Whiteside	29	22
		CONTRACT NO. 64E63		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		