



- SEE RAMP J INTERSECTION DETAILS
- SEE RAMP I AND J INTERSECTION DETAIL SHEETS FOR SHOULDER TRANSITION DETAILS

PROFILE GRADE ELEVATIONS					
SECTION	A	B	C	D	E
1	468.46	-	468.64	468.46	468.22
2	468.40	-	468.58	468.40	468.22
3	468.11	-	468.29	468.29	468.29
4	468.05	-	468.23	468.41	468.59
5	468.01	-	468.25	468.49	468.73
6	467.94	-	468.30	468.66	469.02
7	470.75	470.58	471.11	471.47	471.83
8	471.40	471.26	471.64	471.88	472.12
9	471.72	471.57	471.90	472.08	472.26
10	472.51	-	472.69	472.69	472.69
11	473.20	-	473.38	473.20	473.02
12	473.37	-	473.55	473.37	473.13

PROP. I-57 CURVE-1 DATA
 PI STA. = 1480+89.72
 $\Delta = 6^\circ 10' 56''$ (LT)
 $D = 0^\circ 52' 53''$
 $R = 6,500.00'$
 $T = 351.02'$
 $L = 701.36'$
 $E = 9.47'$
 $e = 3.0\%$
 $T.R. = 90'$ (NB-2%)
 $60'$ (SB-1.5%)
 S.E. RUN = 180' (3 LANES)
 P.C. STA. = 1477+38.70
 P.T. STA. = 1484+40.06

S.B. LANES
 S.A. = STA. 1473+74.49 TO STA. 1476+14.49
 F.S. = STA. 1476+14.49 TO STA. 1481+94.19
 S.R. = STA. 1481+94.19 TO STA. 1484+34.19

N.B. LANES
 S.A. = STA. 1477+13.64 TO STA. 1479+83.64
 F.S. = STA. 1479+83.64 TO STA. 1485+66.20
 S.R. = STA. 1485+66.20 TO STA. 1488+36.20

I-57 CURVE NO. 1
 P.C. STA. 1477+38.70 TO P.T. STA. 1484+40.06
 N.B. CURVE P.C. STA. 1479+23.64 TO P.T. STA. 1486+26.20

PROFILE GRADE ELEVATIONS				
SECTION	F	G	H	I
1	470.07	470.31	470.49	470.31
2	469.51	469.75	469.93	469.93
3	468.85	469.09	469.27	469.45
4	468.68	468.92	469.16	469.40
5	468.42	468.78	469.14	469.50
6	470.04	470.40	470.76	471.12
7	470.32	470.56	470.80	471.04
8	470.47	470.71	470.89	471.07
9	470.90	471.14	471.32	471.32
10	471.19	471.43	471.61	471.43

I-57 CURVE NO. 1
 P.C. STA. 1477+38.70 TO P.T. STA. 1484+40.06
 S.B. CURVE P.C. STA. 1475+54.49 TO P.T. STA. 1482+54.19

FILE NAME = ... \D978182-sh1-SE-157-1.dgn

USER NAME = Rob Heady	DESIGNED = JWH	REVISED =
PLOT SCALE = 10.0000' / IN.	DRAWN = TAP	REVISED =
PLOT DATE = 10/7/2011	CHECKED = BJD	REVISED =
	DATE = 10/07/11	REVISED =

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERELEVATION TRANSITION DETAILS - I-57
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* (X1-6-2)HBK-2, HB-1,2; (IX-1)R-1		WILLIAMSON	968	385
* F.A.I. 57 AND F.A.P. 331			CONTRACT NO. 78182	
ILLINOIS FED. AID PROJECT				