CONTRACT NO. 98950

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	WILLIAMSON	917	724
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*I-57, & OLD IL 13 (FAU 9629)
**(X1-6-2)VB-2,(X1-6)HBK-2

CURVE DATA RAMP E-1
PI STA. = 5+92.93
Δ = 58° 16′ 56″ (LT)
D = 19° 05′ 55″
R = 300.00′
T = 167.26′
L = 305.16′
E = 43.48′
e = 8%
T.R. = 35′
S.E. RUN = 195
P.C. STA. = 4+25.67
P.T. STA. = 7+30.83
ATTAIN S.E.:
STA. 0+34.00 (-0.5%) TO
STA. 2+00.00 (-1.5%) TO
STA. 2+59.67 (-1.5%) TO
STA. 4+89.67 (8%)
REMOVE S.E.:
STA. 6+38.00 (8%) TO
STA. 8+68.00 (-1.5%)

CURVE DATA RAMP E-2
PI STA. = 11+33.63
Δ = 44° 37′ 57″ (RT)
D = 12° 19′ 18″
R = 465.00′
T = 190.86′
L = 362.23′
E = 37.65′
e = 8%
T.R. = 40′
S.E. RUN = 220′
P.C. STA. = 9+42.77
P.T. STA. = 13+04.99
ATTAIN S.E.:
STA. 8+68.00 (-1.5%) TO
STA. 10+48.00 (-8%)

CURVE DATA RAMP E-3
PI STA. = 13+75.19
Δ = 10° 29′ 08″ (RT)
D = 7° 29′ 23″
R = 765.00′
T = 70.20′
L = 140.00′
E = 3.21′
e = 8%
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 13+04.99
P.T. STA. = 14+44.99
REMOVE S.E.:
(THROUGH ENTRANCE TERMINAL W/AUX. LANE)
STA. 13+04.99 (-8%) TO STA. 14+34.99 (-5.81%)
STA. 14+34.99 (-5.81%) TO STA. 14+70.00 (-5.4%)
STA. 14+70.00 (-5.4%) TO STA. 16+70.00 (-5.4%)
STA. 16+70.00 (-5.4%) TO STA. 18+60.09 (-3.26%)
STA. 18+60.09 (-3.26%) TO STA. 19+60.09 (-2.24%)

CURVE DATA RAMP EE-2
PI STA. = 28+58.53
Δ = 166° 49′ 31″ (RT)
D = 26° 09′ 45″
R = 219.00′
T = 1,896.41′
L = 637.65′
E = 1,690.01′
e = 8%
T.R. = 35′
S.E. RUN = 185′
P.C. STA. = 9+62.12
P.T. STA. = 15+99.77
REMOVE S.E.:
STA. 15+37.77 (-8%) TO
STA. 16+87.77 (-1.5%) TO
STA. 17+50.00 (-1.5%) TO
STA. 19+91.43 (0.5%)

CURVE DATA RAMP EE-1
PI STA. = 8+81.41
Δ = 12° 08′ 09″ (RT)
D = 7° 29′ 23″
R = 765.00′
T = 81.32′
L = 162.03′
E = 4.31′
e = 8%
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 8+00.09
P.T. STA. = 9+62.12
ATTAIN S.E.:
(THROUGH STANDARD EXIT TERMINAL)
STA. 6+60.09 (-2%) TO
STA. 8+70.09 (-8%)

¢ WEST MAIN ST.
(OLD IL 13)
STA. 0+00 RAMP "E"=
STA. 772+58.77 WEST MAIN ST.
PC STA 773+00.48
STA. 0+00 PROPOSED CITY ST=
STA. 772+35.27 WEST MAIN ST.
STA. 20+25.44 RAMP "EE"=
STA. 772+11.77 WEST MAIN ST.
EXISTING R.O.W.
¢ RAMP "E"
¢ RAMP "EE"
PC STA 4+25.67
PT STA 7+30.83
PC STA 9+42.77
PCC STA 13+04.99
PCC STA 9+62.12
PC STA 8+00.09
PT STA 15+99.77
300 R
465′ R.
219′ R
765′ R
135' RIGHT TURN LANE TAPER
100' RIGHT TURN LANE UNIFORM STORAGE
MARION
¢ FAI-57 (NB)
¢ FAI-57 (SB)
RAMP "F"
RAMP "FF"
STANDARD EXIT RAMP TERMINAL
STA. 0+00 RAMP "EE"=
STA. 1534+85.86 FAI-57,
13.00' LT.
1' STUB
POT STA 765+00.00
OVERHEAD SIGN
NOIS

* EXISTING BITUMINOUS SHOULDERS
** EXISTING P.C.C. + BITUM. OVERLAY PAVEMENT

N
50′ 0 25′ 50′

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

I-57, RAMPS "E" AND "EE" GEOMETRICS

STA. 1519+00 TO STA. 1535+00

SCALE: VERT. 50 HORIZ.
DATE
DRAWN BY CNH
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d9820802\old13\old13e5dgn
PLOT SCALE = 50.0000 ' / IN.
USER NAME = hendon