F. A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
24	*	**	189	82
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* X1-2,44(2,3,4)RS,BSMARTFY04-4
** WILLIAMSON/JOHNSON
CONTRACT NO. 98758

EXISTING I-24 CURVE DATA

I-24/I-57 INTERCHANGE RAMPS

EXIST. CURVE 21
PI STA. = 19+51.60
Δ = 17° 50′ 33″ (RT)
D = 2° 30′ 42″
R = 2,281.07′
T = 358.07′
L = 710.34′
E = 27.93′
S.E. RUN = 0.07 FT/FT
P.C. STA. = 15+93.53
P.T. STA. = 23+03.87

EXIST. CURVE 22
PI STA. = 53+05.93
Δ = 95° 04′ 53″ (LT)
D = 2° 30′ 00″
R = 2,291.91′
T = 2,504.74′
L = 3,803.38′
E = 1,103.17′
S.E. RUN = 0.07 FT/FT
P.C. STA. = 28+01.18
P.T. STA. = 66+04.56

I-24/I-57 INTERCHANGE RAMPS

EXIST. CURVE 23
PI STA. = 27+65.01
Δ = 66° 32′ 07″ (RT)
D = 1° 44′ 38″
R = 3,285.38′
T = 2,155.44′
L = 3,815.18′
E = 643.95′
S.E. RUN = 0.05 FT/FT
P.C. STA. = 6+09.57
P.T. STA. = 44+24.75

EXIST. CURVE 30
PI STA. = 3+27.08
Δ = 11° 26′ 14″ (RT)
D = 1° 45′ 44″
R = 3,251.41′
T = 325.60′
L = 649.04′
E = 16.26′
S.E. RUN = NORMAL CROWN
P.C. STA. = 0+01.48
P.T. STA. = 6+50.52

I-24/I-57 INTERCHANGE RAMPS

EXIST. CURVE 18
PI STA. = 19+86.14
Δ = 120° 16′ 42″ (RT)
D = 7° 29′ 58″
R = 764.00′
T = 1,330.74′
L = 1,603.83′
E = 770.46′
S.E. RUN = 0.08 FT/FT
P.C. STA. = 6+55.40
P.T. STA. = 22+59.23

NOTE: FOR ATTAINING AND REMOVING SUPERELEVATION SEE TABLE ON SHEET 83.

MEDIAN

EXIST. CURVE 13
PI STA. = 160+37.36
Δ = 5° 04′ 04″ (LT)
D = 0° 20′ 24″
R = 16,852.66′
T = 745.79′
L = 1,490.60′
E = 16.49′
S.E. RUN = NORMAL CROWN
P.C. STA. = 152+91.57
P.T. STA. = 167+82.17

MEDIAN

EXIST. CURVE 14
PI STA. = 213+20.44
Δ = 18° 13′ 51″ (RT)
D = 0° 29′ 50″
R = 11,520.95′
T = 1,848.54′
L = 3,665.84′
E = 147.36′
S.E. RUN = REMOVE CROWN
P.C. STA. = 194+71.90
P.T. STA. = 231+37.73

WESTBOUND

EXIST. CURVE 44
PI STA. = 1342+21.97
Δ = 5° 59′ 20″ (LT)
D = 0° 20′ 15″
R = 16,973.76′
T = 887.89′
L = 1,774.16′
E = 23.21′
S.E. RUN = NORMAL CROWN
P.C. STA. = 1333+34.08
P.T. STA. = 1351+08.24

WESTBOUND

EXIST. CURVE 45
PI STA. = 1375+66.58
Δ = 10° 58′ 30″ (RT)
D = 0° 19′ 53″
R = 17,295.53′
T = 1,661.56′
L = 3,312.95′
E = 79.63′
S.E. RUN = NORMAL CROWN
P.C. STA. = 1359+05.02
P.T. STA. = 1392+17.97

WESTBOUND

EXIST. CURVE 46
PI STA. = 1406+37.94
Δ = 1° 46′ 23″ (LT)
D = 0° 11′ 05″
R = 31,029.17′
T = 480.15′
L = 960.23′
E = 3.71′
S.E. RUN = NORMAL CROWN
P.C. STA. = 1401+57.79
P.T. STA. = 1411+18.02

EASTBOUND

PROP. CURVE 11
PI STA. = 420+60.49
Δ = 3° 13′ 11″ (RT)
D = 0° 10′ 55″
R = 31,513.26′
T = 885.69′
L = 1,770.91′
E = 12.44′
S.E. RUN = NORMAL CROWN
P.C. STA = 411+74.80
P.T. STA = 429+45.71

EASTBOUND

EXIST. CURVE 10
PI STA. = 156+51.45
Δ = 22° 35′ 13″ (RT)
D = 0° 29′ 56″
R = 11,487.12′
T = 2,293.98′
L = 4,528.39′
E = 226.81′
S.E. RUN = REMOVE CROWN
P.C. STA. = 133+57.47
P.T. STA. = 178+85.86

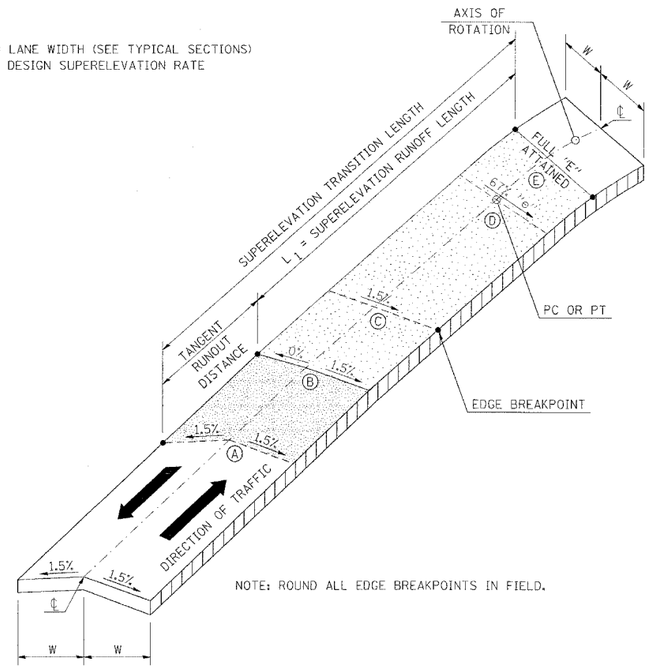
WESTBOUND

EXIST. CURVE 8
PI STA. = 172+61.16
Δ = 26° 16′ 38″ (RT)
D = 0° 40′ 03″
R = 8,582.65′
T = 2,003.34′
L = 3,936.19′
E = 230.71′
S.E. RUN = 0.02 FT/FT
P.C. STA. = 152+57.83
P.T. STA. = 191+94.02

WESTBOUND

EXIST. CURVE 9
PI STA. = 276+77.07
Δ = 3° 43′ 15″ (LT)
D = 0° 09′ 43″
R = 35,399.01′
T = 1,149.86′
L = 2,298.91′
E = 18.67′
S.E. RUN = NORMAL CROWN
P.C. STA. = 265+27.20
P.T. STA. = 288+26.12

W = LANE WIDTH (SEE TYPICAL SECTIONS)
E = DESIGN SUPERELEVATION RATE



NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD.

Monday October 25,2004 @ 3:36:42 PM
c:\projects\d902102\west12e-2.dgn LVI-62