F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0-*-***	00-P4003-00-BT	WILL	57	5
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

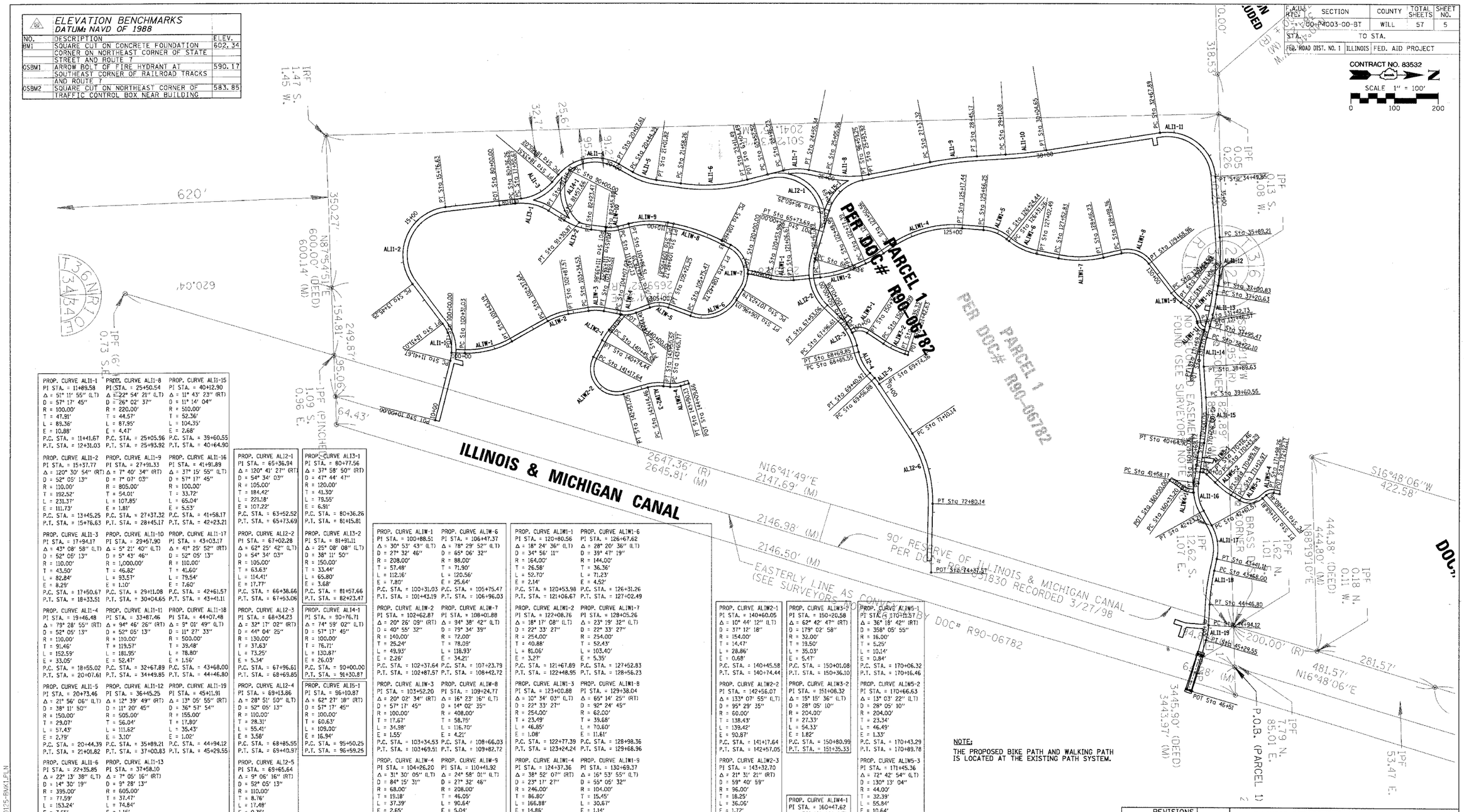
CONTRACT NO. 83532

SCALE 1" = 100'

0 100 200

ELEVATION BENCHMARKS
DATUM: NAVD OF 1988

NO.	DESCRIPTION	ELEV.
BM1	SQUARE CUT ON CONCRETE FOUNDATION CORNER ON NORTHEAST CORNER OF STATE STREET AND ROUTE 7	602.34
SSBM1	ARROW BOLT OF FIRE HYDRANT AT SOUTHEAST CORNER OF RAILROAD TRACKS AND ROUTE 7	590.17
SSBM2	SQUARE CUT ON NORTHEAST CORNER OF TRAFFIC CONTROL BOX NEAR BUILDING	583.85



NOTE:
THE PROPOSED BIKE PATH AND WALKING PATH IS LOCATED AT THE EXISTING PATH SYSTEM.

PROP. CURVE ALI1-1	PROP. CURVE ALI1-8	PROP. CURVE ALI1-15
PI STA. = 11+89.58	PI STA. = 25+50.54	PI STA. = 40+12.90
Δ = 51° 11' 55" (LT)	Δ = 22° 54' 21" (LT)	Δ = 11° 43' 23" (RT)
D = 57° 17' 45"	D = 26° 02' 37"	D = 11° 14' 04"
R = 100.00'	R = 220.00'	R = 510.00'
T = 47.91'	T = 44.57'	T = 52.36'
L = 89.36'	L = 87.95'	L = 104.35'
E = 10.88'	E = 4.47'	E = 2.68'
P.C. STA. = 11+41.67	P.C. STA. = 25+05.96	P.C. STA. = 39+60.55
P.T. STA. = 12+31.03	P.T. STA. = 25+93.92	P.T. STA. = 40+64.90

PROP. CURVE ALI1-2	PROP. CURVE ALI1-9	PROP. CURVE ALI1-16
PI STA. = 15+37.77	PI STA. = 27+91.33	PI STA. = 41+91.89
Δ = 120° 30' 54" (RT)	Δ = 7° 40' 34" (RT)	Δ = 37° 15' 55" (LT)
D = 52° 05' 13"	D = 7° 07' 03"	D = 57° 17' 45"
R = 110.00'	R = 805.00'	R = 100.00'
T = 192.52'	T = 54.01'	T = 33.72'
L = 231.37'	L = 107.85'	L = 65.04'
E = 111.73'	E = 1.81'	E = 5.53'
P.C. STA. = 13+45.25	P.C. STA. = 27+37.32	P.C. STA. = 41+58.17
P.T. STA. = 15+76.63	P.T. STA. = 28+45.17	P.T. STA. = 42+23.21

PROP. CURVE ALI1-3	PROP. CURVE ALI1-10	PROP. CURVE ALI1-17
PI STA. = 17+94.17	PI STA. = 29+57.90	PI STA. = 43+03.17
Δ = 43° 08' 58" (LT)	Δ = 5° 21' 40" (LT)	Δ = 41° 25' 52" (RT)
D = 52° 05' 13"	D = 5° 43' 46"	D = 52° 05' 13"
R = 110.00'	R = 1,000.00'	R = 110.00'
T = 43.50'	T = 46.82'	T = 41.60'
L = 82.84'	L = 93.57'	L = 79.54'
E = 8.29'	E = 1.10'	E = 7.60'
P.C. STA. = 17+50.67	P.C. STA. = 29+11.08	P.C. STA. = 42+61.57
P.T. STA. = 18+33.51	P.T. STA. = 30+04.65	P.T. STA. = 43+41.11

PROP. CURVE ALI1-4	PROP. CURVE ALI1-11	PROP. CURVE ALI1-18
PI STA. = 19+46.48	PI STA. = 33+87.46	PI STA. = 44+07.48
Δ = 79° 28' 55" (RT)	Δ = 94° 46' 26" (RT)	Δ = 9° 01' 49" (LT)
D = 52° 05' 13"	D = 52° 05' 13"	D = 11° 27' 33"
R = 110.00'	R = 110.00'	R = 500.00'
T = 91.46'	T = 119.57'	T = 39.48'
L = 152.59'	L = 181.95'	L = 78.80'
E = 33.05'	E = 52.47'	E = 1.56'
P.C. STA. = 18+55.02	P.C. STA. = 32+67.89	P.C. STA. = 43+68.00
P.T. STA. = 20+07.61	P.T. STA. = 34+49.85	P.T. STA. = 44+46.80

PROP. CURVE ALI1-5	PROP. CURVE ALI1-12	PROP. CURVE ALI1-19
PI STA. = 20+73.46	PI STA. = 36+45.25	PI STA. = 45+11.91
Δ = 21° 56' 06" (LT)	Δ = 12° 39' 49" (RT)	Δ = 13° 05' 55" (RT)
D = 38° 11' 50"	D = 11° 20' 45"	D = 36° 57' 54"
R = 150.00'	R = 505.00'	R = 155.00'
T = 29.07'	T = 56.04'	T = 17.80'
L = 57.43'	L = 111.62'	L = 35.43'
E = 2.79'	E = 3.10'	E = 1.02'
P.C. STA. = 20+44.39	P.C. STA. = 35+89.21	P.C. STA. = 44+94.12
P.T. STA. = 21+01.82	P.T. STA. = 37+00.83	P.T. STA. = 45+29.55

PROP. CURVE ALI1-6	PROP. CURVE ALI1-13
PI STA. = 22+35.85	PI STA. = 37+58.10
Δ = 22° 13' 38" (LT)	Δ = 7° 05' 16" (RT)
D = 14° 30' 19"	D = 9° 28' 13"
R = 395.00'	R = 605.00'
T = 77.59'	T = 37.47'
L = 153.24'	L = 74.84'
E = 7.55'	E = 1.16'
P.C. STA. = 21+58.26	P.C. STA. = 37+20.63
P.T. STA. = 23+11.49	P.T. STA. = 37+95.47

PROP. CURVE ALI1-7	PROP. CURVE ALI1-14
PI STA. = 24+26.31	PI STA. = 38+56.19
Δ = 26° 03' 09" (RT)	Δ = 19° 20' 43" (LT)
D = 44° 04' 25"	D = 28° 38' 52"
R = 130.00'	R = 200.00'
T = 30.08'	T = 34.09'
L = 59.11'	L = 67.53'
E = 3.43'	E = 2.88'
P.C. STA. = 23+96.23	P.C. STA. = 38+22.10
P.T. STA. = 24+55.34	P.T. STA. = 38+89.63

PROP. CURVE ALI2-1
PI STA. = 65+36.94
Δ = 120° 41' 27" (RT)
D = 54° 34' 03"
R = 105.00'
T = 184.42'
L = 221.18'
E = 107.22'
P.C. STA. = 63+52.52
P.T. STA. = 65+73.69

PROP. CURVE ALI3-1
PI STA. = 80+77.56
Δ = 37° 58' 50" (RT)
D = 47° 44' 47"
R = 120.00'
T = 41.30'
L = 79.55'
E = 6.91'
P.C. STA. = 80+36.26
P.T. STA. = 81+15.81

PROP. CURVE ALI2-2
PI STA. = 67+02.28
Δ = 62° 25' 42" (LT)
D = 54° 34' 03"
R = 105.00'
T = 63.63'
L = 114.41'
E = 17.77'
P.C. STA. = 66+38.66
P.T. STA. = 67+53.06

PROP. CURVE ALI3-2
PI STA. = 81+91.11
Δ = 25° 08' 08" (LT)
D = 38° 11' 50"
R = 150.00'
T = 33.44'
L = 65.80'
E = 3.68'
P.C. STA. = 81+57.66
P.T. STA. = 82+23.47

PROP. CURVE ALI2-3
PI STA. = 68+34.23
Δ = 32° 17' 02" (RT)
D = 44° 04' 25"
R = 130.00'
T = 37.63'
L = 73.25'
E = 5.34'
P.C. STA. = 67+96.61
P.T. STA. = 68+69.85

PROP. CURVE ALI4-1
PI STA. = 90+76.71
Δ = 74° 59' 02" (LT)
D = 57° 17' 45"
R = 100.00'
T = 76.71'
L = 130.87'
E = 26.03'
P.C. STA. = 90+00.00
P.T. STA. = 91+30.87

PROP. CURVE ALI2-4
PI STA. = 69+13.86
Δ = 28° 51' 50" (LT)
D = 52° 05' 13"
R = 110.00'
T = 28.31'
L = 55.41'
E = 3.58'
P.C. STA. = 68+85.55
P.T. STA. = 69+40.97

PROP. CURVE ALI5-1
PI STA. = 96+10.87
Δ = 62° 27' 18" (RT)
D = 57° 17' 45"
R = 100.00'
T = 60.63'
L = 109.00'
E = 16.94'
P.C. STA. = 95+50.25
P.T. STA. = 96+59.25

PROP. CURVE ALI2-5
PI STA. = 69+65.64
Δ = 9° 06' 16" (RT)
D = 52° 05' 13"
R = 110.00'
T = 8.76'
L = 17.48'
E = 0.35'
P.C. STA. = 69+56.88
P.T. STA. = 69+74.36

PROP. CURVE ALI2-6
PI STA. = 71+97.85
Δ = 34° 47' 13" (RT)
D = 20° 27' 46"
R = 280.00'
T = 87.71'
L = 170.00'
E = 13.42'
P.C. STA. = 71+10.14
P.T. STA. = 72+80.14

PROP. CURVE ALIW-1	PROP. CURVE ALIW-6
PI STA. = 100+88.51	PI STA. = 106+47.37
Δ = 30° 53' 43" (LT)	Δ = 78° 29' 52" (LT)
D = 27° 32' 46"	D = 65° 06' 32"
R = 208.00'	R = 88.00'
T = 57.48'	T = 71.90'
L = 112.16'	L = 120.56'
E = 7.80'	E = 25.64'
P.C. STA. = 100+31.03	P.C. STA. = 105+75.47
P.T. STA. = 101+43.19	P.T. STA. = 106+96.03

PROP. CURVE ALIW-2	PROP. CURVE ALIW-7
PI STA. = 102+62.87	PI STA. = 108+01.88
Δ = 20° 26' 09" (RT)	Δ = 94° 38' 42" (LT)
D = 40° 55' 32"	D = 79° 34' 39"
R = 140.00'	R = 72.00'
T = 25.24'	T = 78.09'
L = 49.93'	L = 118.93'
E = 2.26'	E = 34.21'
P.C. STA. = 102+37.64	P.C. STA. = 107+23.79
P.T. STA. = 102+87.57	P.T. STA. = 108+42.72

PROP. CURVE ALIW-3	PROP. CURVE ALIW-8
PI STA. = 103+52.20	PI STA. = 109+24.77
Δ = 20° 02' 34" (RT)	Δ = 16° 23' 16" (LT)
D = 57° 17' 45"	D = 14° 02' 35"
R = 100.00'	R = 408.00'
T = 17.67'	T = 58.75'
L = 34.98'	L = 116.70'
E = 1.55'	E = 4.21'
P.C. STA. = 103+34.53	P.C. STA. = 108+66.03
P.T. STA. = 103+69.51	P.T. STA. = 109+82.72

PROP. CURVE ALIW-4	PROP. CURVE ALIW-9
PI STA. = 104+26.20	PI STA. = 110+41.92
Δ = 31° 30' 05" (LT)	Δ = 24° 58' 01" (LT)
D = 84° 15' 31"	D = 27° 32' 46"
R = 68.00'	R = 208.00'
T = 19.18'	T = 46.05'
L = 37.39'	L = 90.64'
E = 2.65'	E = 5.04'
P.C. STA. = 104+07.03	P.C. STA. = 109+95.87
P.T. STA. = 104+44.41	P.T. STA. = 110+86.51

PROP. CURVE ALIW-5	PROP. CURVE ALIW-10
PI STA. = 105+00.78	PI STA. = 111+25.45
Δ = 40° 55' 38" (RT)	Δ = 20° 24' 29" (RT)
D = 95° 29' 35"	D = 77° 25' 36"
R = 60.00'	R = 74.00'
T = 22.39'	T = 13.39'
L = 42.86'	L = 26.36'
E = 4.04'	E = 1.19'
P.C. STA. = 104+78.39	P.C. STA. = 111+12.13
P.T. STA. = 105+21.25	P.T. STA. = 111+38.49

PROP. CURVE ALIW1-1	PROP. CURVE ALIW1-6
PI STA. = 120+80.56	PI STA. = 126+67.62
Δ = 18° 24' 36" (LT)	Δ = 28° 20' 36" (LT)
D = 34° 56' 11"	D = 39° 47' 19"
R = 164.00'	R = 144.00'
T = 26.58'	T = 36.36'
L = 52.70'	L = 71.23'
E = 2.14'	E = 4.52'
P.C. STA. = 120+53.98	P.C. STA. = 126+31.26
P.T. STA. = 121+06.67	P.T. STA. = 127+02.49

PROP. CURVE ALIW1-2	PROP. CURVE ALIW1-7
PI STA. = 122+08.76	PI STA. = 128+05.26
Δ = 18° 17' 08" (LT)	Δ = 23° 19' 32" (LT)
D = 22° 33' 27"	D = 22° 33' 27"
R = 254.00'	R = 254.00'
T = 40.88'	T = 52.43'
L = 81.06'	L = 103.40'
E = 3.27'	E = 5.35'
P.C. STA. = 121+67.89	P.C. STA. = 127+52.83
P.T. STA. = 122+48.95	P.T. STA. = 128+56.23

PROP. CURVE ALIW1-3	PROP. CURVE ALIW1-8
PI STA. = 123+00.88	PI STA. = 129+38.04
Δ = 10° 34' 03" (LT)	Δ = 65° 14' 25" (RT)
D = 22° 33' 27"	D = 92° 24' 45"
R = 254.00'	R = 62.00'
T = 23.49'	T = 39.68'
L = 46.85'	L = 70.60'
E = 1.08'	E = 11.61'
P.C. STA. = 122+77.39	P.C. STA. = 128+98.36
P.T. STA. = 123+24.24	P.T. STA. = 129+68.96

PROP. CURVE ALIW1-4	PROP. CURVE ALIW1-9
PI STA. = 124+37.36	PI STA. = 130+69.37
Δ = 38° 52' 07" (RT)	Δ = 16° 53' 55" (LT)
D = 23° 17' 27"	D = 55° 05' 32"
R = 246.00'	R = 104.00'
T = 86.80'	T = 15.45'
L = 166.88'	L = 30.67'
E = 14.86'	E = 1.14'
P.C. STA. = 123+50.56	P.C. STA. = 130+53.92
P.T. STA. = 125+17.44	P.T. STA. = 130+84.59

PROP. CURVE ALIW1-5	PROP. CURVE ALIW1-10	PROP. CURVE ALIW1-11
PI STA. = 125+96.27	PI STA. = 131+25.73	PI STA. = 131+59.29
Δ = 34° 43' 57" (RT)	Δ = 44° 46' 20" (RT)	Δ = 64° 55' 04" (LT)
D = 59° 40' 59"	D = 124° 33' 22"	D = 286° 28' 44"
R = 96.00'	R = 46.00'	R = 20.00'
T = 30.02'	T = 18.95'	T = 12.72'
L = 58.19'	L = 35.95'	L = 22.66'
E = 4.59'	E = 3.75'	E = 3.70'
P.C. STA. = 125+66.25	P.C. STA. = 131+06.78	P.C. STA. = 131+46.57
P.T. STA. = 126+24.44	P.T. STA. = 131+42.73	P.T. STA. = 131+69.23

PROP. CURVE ALIW2-1
PI STA. = 140+60.05
Δ = 10° 44' 12" (LT)
D = 37° 12' 18"
R = 154.00'
T = 14.47'
L = 28.86'
E = 0.68'
P.C. STA. = 140+45.58
P.T. STA. = 140+74.44

PROP. CURVE ALIW2-2
PI STA. = 142+56.07
Δ = 133° 07' 55" (LT)
D = 95° 29' 35"
R = 60.00'
T = 138.43'
L = 139.42'
E = 90.87'
P.C. STA. = 141+17.64
P.T. STA. = 142+57.05

PROP. CURVE ALIW2-3
PI STA. = 143+32.70
Δ = 21° 31' 21" (RT)
D = 59° 40' 59"
R = 96.00'
T = 18.25'
L = 36.06'
E = 1.72'
P.C. STA. = 143+14.46
P.T. STA. = 143+50.52

PROP. CURVE ALIW2-4
PI STA. = 143+78.10
Δ = 21° 48' 16" (LT)
D = 89° 31' 23"
R = 64.00'
T = 12.33'
L = 24.36'
E = 1.18'
P.C. STA. = 143+65.77
P.T. STA. = 143+90.13

PROP. CURVE ALIW3-1
PI STA. = 150+20.58
Δ = 62° 42' 47" (RT)
D = 179° 02' 58"
R = 32.00'
T = 19.50'
L = 35.03'
E = 5.47'
P.C. STA. = 150+01.08
P.T. STA. = 150+36.10

PROP. CURVE ALIW3-2
PI STA. = 151+08.32
Δ = 15° 15' 36" (LT)
D = 28° 05' 10"
R = 204.00'
T = 27.33'
L = 54.33'
E = 1.82'
P.C. STA. = 150+80.99
P.T. STA. = 151+35.33

PROP. CURVE ALIW4-1
PI STA. = 160+47.62
Δ = 36° 16' 44" (LT)
D = 130° 13' 04"
R = 44.00'
T = 14.41'
L = 27.86'
E = 2.30'
P.C. STA. = 160+33.20
P.T. STA. = 160+61.06

PROP. CURVE ALIW5-1
PI STA. = 170+13.57
Δ = 36° 18' 42" (RT)
D = 358° 05' 55"
R = 16.00'
T = 5.25'
L = 10.14'
E = 0.84'
P.C. STA. = 170+06.32
P.T. STA. = 170+16.46

PROP. CURVE ALIW5-2
PI STA. = 170+66.63
Δ = 13° 03' 22" (LT)
D = 28° 05' 10"
R = 204.00'
T = 23.34'
L = 46.49'
E = 1.33'
P.C. STA. = 170+43.29
P.T. STA. = 170+89.78

PROP. CURVE ALIW5-3
PI STA. = 171+45.36
Δ = 72° 42' 54" (LT)
D = 130° 13' 04"
R = 44.00'
T = 32.39'
L = 55.84'
E = 10.64'
P.C. STA. = 171+12.97
P.T. STA. = 171+68.81

PROP. CURVE ALIW5-4
PI STA. = 171+90.00
Δ = 50° 58' 52" (RT)
D = 286° 28' 44"
R = 20.00'
T = 9.54'
L = 17.80'
E = 2.16'
P.C. STA. = 171+80.46
P.T. STA. = 171+98.26

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: VERT. 1" = 100'
HORIZ.

DATE 01/12/2006

DRAWN BY

CHECKED BY LMF

N:\dockpr1801-2\sdb\SIGN\B0126-BMK1.PLN