CONTROL POINTS

POINT	NORTH	EAST	STATION	ELEVATION	DECRIPSTIONS
CP#1	N 2,117,014.977	E 1,043,658.714	987+50.07	744.25	PK NAIL
CP#2	N 2,116,879.677	E 1,044,071.242	991+78.92	746.50	PK NAIL
CP#3	N 2,116,517.266	E 1,044,501.348	997+36.90	759.76	PK NAIL
CP#4	N 2,116,614.232	E 1,044,730.565	12+01.07	759.94	PK NAIL
CP#5	N 2,116,246.747	E 1,045,227.753	1005+07.1	768.44	PK NAIL
CP#6	N 2,116,261.923	E 1,046,008.798	N/A	787.82	PK CONC. ISLAND
CP#7	N 2,117,152.786	E 1,044,767.141	17+39.81	771.37	PK NAIL
CP#8	N 2,117,711.424	E 1,044,719.137	17+39.81	757.96	PK ON S/W

TIFFANY ROAD ALIGNMENT

BEGINNING CHAIN E TIFF DESCRIPTION
==========
POINT TIFF01 N 2,116,363.0711 E 1,044,747.3603 STA 9+50.00

COURSE FROM TIFF01 TO TIFF02 N 0° 18′ 43.43″ E DIST 1,550.0000

POINT TIFF02 N 2,117,913.0481 E 1,044,755.8025 STA 25+00.00
==========
ENDING CHAIN E TIFF DESCRIPTION

LAKE ROAD ALIGNMENT

BEGINNING CHAIN E LAKE DESCRIPTION
==========
POINT ELAKE1 N 2,116,613.8179 E 1,044,748.7261 STA 100+00.00

CURVE E LAKE-1
P.I. STATION 104+10.22 N 2,116,587.72 E 1,045,158.11
DELTA = 3° 30′ 12.27″ (LT)
DEGREE = 0° 52′ 53.30″
TANGENT = 198.7865
LENGTH = 397.4491
RADIUS = 6,500.0000
EXTERNAL = 3.0390
LONG CHORD = 397.3871
MID. ORD. = 3.0376
P.C. STATION 102+11.43 N 2,116,600.37 E 1,044,959.72
P.T. STATION 106+08.88 N 2,116,587.22 E 1,045,356.89
C.C. N 2,123,087.21 E 1,045,373.15
BACK = S 86° 21′ 11.88″ E
AHEAD = S 89° 51′ 24.15″ E
CHORD BEAR = S 88° 06′ 18.02″ E

POINT ELAKE2 N 2,116,581.5242 E 1,047,638.0808 STA 128+90.07
==========
ENDING CHAIN E LAKE DESCRIPTION

BEGINNING CHAIN PCL_173 DESCRIPTION
==========
CURVE PCL_173-1
P.I. STATION 987+43.19 N 2,117,219.00 E 1,043,563.77
DELTA = 69° 34′ 59.88″ (RT)
DEGREE = 5° 41′ 51.62″
TANGENT = 698.6929
LENGTH = 1,221.2587
RADIUS = 1,005.6000
LONG CHORD = 1,147.5784
P.C. STATION 980+44.49 N 2,116,825.38 E 1,042,986.51
P.T. STATION 992+65.75 N 2,116,815.31 E 1,044,134.04
BACK = N 55° 42′ 39.86″ E
AHEAD = S 54° 42′ 20.26″ E

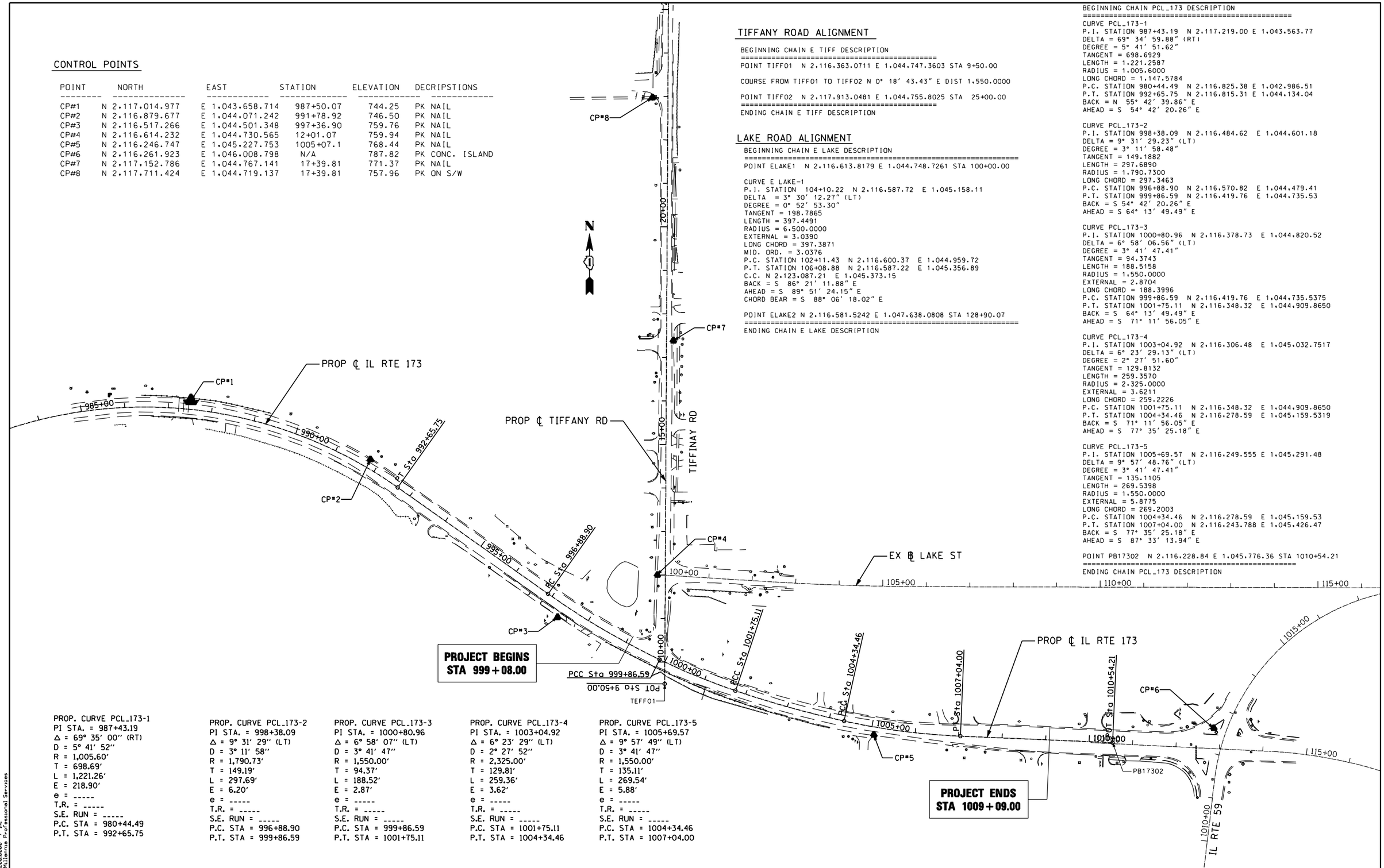
CURVE PCL_173-2
P.I. STATION 998+38.09 N 2,116,484.62 E 1,044,601.18
DELTA = 9° 31′ 29.23″ (LT)
DEGREE = 3° 11′ 58.48″
TANGENT = 149.1882
LENGTH = 297.6890
RADIUS = 1,790.7300
LONG CHORD = 297.3463
P.C. STATION 996+88.90 N 2,116,570.82 E 1,044,479.41
P.T. STATION 999+86.59 N 2,116,419.76 E 1,044,735.53
BACK = S 54° 42′ 20.26″ E
AHEAD = S 64° 13′ 49.49″ E

CURVE PCL_173-3
P.I. STATION 1000+80.96 N 2,116,378.73 E 1,044,820.52
DELTA = 6° 58′ 06.56″ (LT)
DEGREE = 3° 41′ 47.41″
TANGENT = 94.3743
LENGTH = 188.5158
RADIUS = 1,550.0000
EXTERNAL = 2.8704
LONG CHORD = 188.3996
P.C. STATION 999+86.59 N 2,116,419.76 E 1,044,735.5375
P.T. STATION 1001+75.11 N 2,116,348.32 E 1,044,909.8650
BACK = S 64° 13′ 49.49″ E
AHEAD = S 71° 11′ 56.05″ E

CURVE PCL_173-4
P.I. STATION 1003+04.92 N 2,116,306.48 E 1,045,032.7517
DELTA = 6° 23′ 29.13″ (LT)
DEGREE = 2° 27′ 51.60″
TANGENT = 129.8132
LENGTH = 259.3570
RADIUS = 2,325.0000
EXTERNAL = 3.6211
LONG CHORD = 259.2226
P.C. STATION 1001+75.11 N 2,116,348.32 E 1,044,909.8650
P.T. STATION 1004+34.46 N 2,116,278.59 E 1,045,159.5319
BACK = S 71° 11′ 56.05″ E
AHEAD = S 77° 35′ 25.18″ E

CURVE PCL_173-5
P.I. STATION 1005+69.57 N 2,116,249.555 E 1,045,291.48
DELTA = 9° 57′ 48.76″ (LT)
DEGREE = 3° 41′ 47.41″
TANGENT = 135.1105
LENGTH = 269.5398
RADIUS = 1,550.0000
EXTERNAL = 5.8775
LONG CHORD = 269.2003
P.C. STATION 1004+34.46 N 2,116,278.59 E 1,045,159.53
P.T. STATION 1007+04.00 N 2,116,243.788 E 1,045,426.47
BACK = S 77° 35′ 25.18″ E
AHEAD = S 87° 33′ 13.94″ E

POINT PB17302 N 2,116,228.84 E 1,045,776.36 STA 1010+54.21
==========
ENDING CHAIN PCL_173 DESCRIPTION



PROP. CURVE PCL_173-1
PI STA. = 987+43.19
Δ = 69° 35′ 00″ (RT)
D = 5° 41′ 52″
R = 1,005.60′
T = 698.69′
L = 1,221.26′
E = 218.90′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 980+44.49
P.T. STA = 992+65.75

PROP. CURVE PCL_173-2
PI STA. = 998+38.09
Δ = 9° 31′ 29″ (LT)
D = 3° 11′ 58″
R = 1,790.73′
T = 149.19′
L = 297.69′
E = 6.20′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 996+88.90
P.T. STA = 999+86.59

PROP. CURVE PCL_173-3
PI STA. = 1000+80.96
Δ = 6° 58′ 07″ (LT)
D = 3° 41′ 47″
R = 1,550.00′
T = 94.37′
L = 188.52′
E = 2.87′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 999+86.59
P.T. STA = 1001+75.11

PROP. CURVE PCL_173-4
PI STA. = 1003+04.92
Δ = 6° 23′ 29″ (LT)
D = 2° 27′ 52″
R = 2,325.00′
T = 129.81′
L = 259.36′
E = 3.62′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 1001+75.11
P.T. STA = 1004+34.46

PROP. CURVE PCL_173-5
PI STA. = 1005+69.57
Δ = 9° 57′ 49″ (LT)
D = 3° 41′ 47″
R = 1,550.00′
T = 135.11′
L = 269.54′
E = 5.88′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 1004+34.46
P.T. STA = 1007+04.00

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PLOT SCALE = 200.0000 ' / IN.
USER NAME = Millennia Professional Services

200 22ND Street, Suite 216, Lombard, IL 60148
630.705.0110 voice, 630.839.2566 fax
www.mps-il.com
MILLENNIA PROFESSIONAL SERVICES

DESIGNED	CJD	REVISED	-
DRAWN	CJD	REVISED	-
CHECKED	TVN	REVISED	-
DATE	2/4/2013	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 173
AT TIFFANY ROAD

SCALE: 1"=100′ | SHEET NO. 1 OF 1 SHEETS | STA. - TO STA.

ALIGNMENT, TIES AND BENCHMARKS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134-N-1	LAKE	62	11
		CONTRACT NO. 60L28		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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