F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-070RS	COOK	60	13
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

62809

CURVE LAFAY01
P.I. STA= 6014+47.81
N= 1,860,720.67
E= 1,176,979.33
Δ= 22° 19' 50"
D= 11° 09' 07"
R= 513.76'
T= 101.40'
L= 200.23'
E= 9.91'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 6013+46.41
N= 1,860,619.35
E= 1,176,983.37
P.T. STA= 6015+46.64
N= 1,860,812.86
E= 1,176,937.10

CURVE LAFAY02
P.I. STA= 6020+11.56
N= 1,861,233.77
E= 1,176,739.65
Δ= 66° 24' 16"
D= 50° 15' 34"
R= 114.00'
T= 74.60'
L= 132.12'
E= 22.24'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 6019+36.96
N= 1,861,166.23
E= 1,176,771.34
P.T. STA= 6020+69.08
N= 1,861,231.77
E= 1,176,665.07

CURVE COLLNB04
P.I. STA= 41+08.35
N= 1,860,967.08
E= 1,177,322.03
Δ= 29° 07' 47"
D= 3° 19' 24"
R= 1,724.00'
T= 447.94'
L= 876.49'
E= 57.24'
e= 5.9%
T.R.= 41'
S.E. RUN= 210' (236.93')
P.C. STA= 36+60.41
N= 1,860,519.16
E= 1,177,326.14
P.T. STA= 45+36.91
N= 1,861,356.34
E= 1,177,100.39

CURVE COLLSB03
P.I. STA= 81+04.03
N= 1,860,475.04
E= 1,177,091.89
Δ= 8° 56' 14"
D= 3° 14' 39"
R= 1,766.00'
T= 138.01'
L= 275.46'
E= 5.38'
e= 5.63%
T.R.= N/A
S.E. RUN= 200.00'
P.C. STA= 79+66.02
N= 1,860,337.20
E= 1,177,098.81
P.T. STA= 82+41.49
N= 1,860,610.14
E= 1,177,063.64

CURVE COLLSB04
P.I. STA= 83+22.94
N= 1,860,689.19
E= 1,177,044.03
Δ= 4° 35' 34"
D= 2° 49' 15"
R= 2,031.00'
T= 81.44'
L= 162.81'
E= 1.63'
e= 5.5%
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 82+41.49
N= 1,860,610.14
E= 1,177,063.64
P.T. STA= 84+04.30
N= 1,860,766.42
E= 1,177,018.16

CURVE COLLSB05
P.I. STA= 86+99.51
N= 1,861,046.34
E= 1,176,924.37
Δ= 20° 54' 28"
D= 3° 34' 51"
R= 1,600.00'
T= 295.21'
L= 583.86'
E= 27.00'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 84+04.30
N= 1,860,766.42
E= 1,177,018.16
P.T. STA= 89+88.16
N= 1,861,274.37
E= 1,176,736.87

CURVE NBLOC01
P.I. STA= 4398+91.75
N= 1,861,273.69
E= 1,177,295.21
Δ= 47° 52' 53"
D= 3° 22' 13"
R= 1700.00'
T= 754.78'
L= 1420.67'
E= 160.03'
e= 5.9%
T.R.= 41'
S.E. RUN= 210' (236.93')
P.C. STA= 4391+36.97
N= 1,860,518.94
E= 1,177,302.15
P.T. STA= 4405+57.64
N= 1,861,774.74
E= 1,176,730.72

CURVE NBDR03
P.I. STA= 2398+13.58
N= 1,861,170.38
E= 1,177,231.19
Δ= 44° 36' 17"
D= 2° 44' 29"
R= 2090.00'
T= 857.27'
L= 1627.06'
E= 168.99'
e= 5.5%
T.R.= 41' (41')
S.E. RUN= 196' (274.66')
P.C. STA= 2389+56.30
N= 1,860,313.48
E= 1,177,256.19
P.T. STA= 2405+83.37
N= 1,861,762.92
E= 1,176,611.65

CURVE WBSKYL01
P.I. STA= 6057+27.06
N= 1,861,427.27
E= 1,177,209.11
Δ= 41° 36' 43"
D= 6° 17' 09"
R= 911.50'
T= 346.35'
L= 661.99'
E= 63.59'
e= 6.0%
T.R.= N/A
S.E. RUN= 129' (129')
P.C. STA= 6053+80.71
N= 1,861,427.39
E= 1,177,555.47
P.T. STA= 6060+42.70
N= 1,861,657.19
E= 1,176,950.08

CURVE WBSKYE01
P.I. STA= 6008+35.30
N= 1,861,387.41
E= 1,177,101.77
Δ= 45° 36' 29"
D= 6° 45' 24"
R= 848.00'
T= 356.54'
L= 675.02'
E= 71.90'
e= 6.0%
T.R.= N/A
S.E. RUN= 96' (179.23')
P.C. STA= 6004+78.77
N= 1,861,399.41
E= 1,177,458.10
P.T. STA= 6011+53.78
N= 1,861,633.64
E= 1,176,843.91

CURVE WBSKYE02
P.I. STA= 6014+82.48
N= 1,861,860.65
E= 1,176,606.19
Δ= 2° 30' 00"
D= 1° 40' 45"
R= 3412.00'
T= 74.45'
L= 148.88'
E= 0.81'
e= 3.1%
T.R.= N/A
S.E. RUN= 138.58' (80.76')
P.C. STA= 6014+08.03
N= 1,861,809.23
E= 1,176,660.04
P.T. STA= 6015+56.91
N= 1,861,909.67
E= 1,176,550.16

CURVE SBLOCS02
P.I. STA= 3397+27.84
N= 1,861,071.17
E= 1,176,941.37
Δ= 21° 50' 32"
D= 3° 31' 41"
R= 1624.00'
T= 313.36'
L= 619.10'
E= 29.96'
e= 6.0%
T.R.= 41'
S.E. RUN= 213'
P.C. STA= 3394+14.48
N= 1,860,774.05
E= 1,177,040.92
P.T. STA= 3400+33.58
N= 1,861,309.93
E= 1,176,738.43

CURVE EBSKY02
P.I. STA= 5012+90.76
N= 1,861,334.19
E= 1,176,769.43
Δ= 49° 53' 13"
D= 4° 57' 54"
R= 1154.00'
T= 536.73'
L= 1004.78'
E= 118.71'
e= 5.6%
T.R.= 48' (96')
S.E. RUN= 135' (135')
P.C. STA= 5007+54.03
N= 1,861,732.80
E= 1,176,409.99
P.T. STA= 5017+58.81
N= 1,861,352.26
E= 1,177,305.85

CURVE SBDR04
P.I. STA= 1397+75.78
N= 1,861,149.16
E= 1,177,163.97
Δ= 44° 32' 59"
D= 2° 47' 42"
R= 2050.00'
T= 839.71'
L= 1593.95'
E= 165.31'
e= 5.5%
T.R.= 96'
S.E. RUN= 226' (244.83')
P.C. STA= 1389+36.07
N= 1,860,309.83
E= 1,177,189.29
P.T. STA= 1405+30.02
N= 1,861,729.54
E= 1,176,557.11

NOTES:

1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
2. FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
53rd ST TO 51st ST (WENTWORTH AVENUE)

ALIGNMENT PLAN

SCALE: 1"=100' DRAWN BY: NJH/AMM
DATE: DECEMBER 17, 2004 CHECKED BY: JAL/MS

2 OF 7

CTE ENGINEERS
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO ILLINOIS 60601-5212, PHONE: (312) 938-0300

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