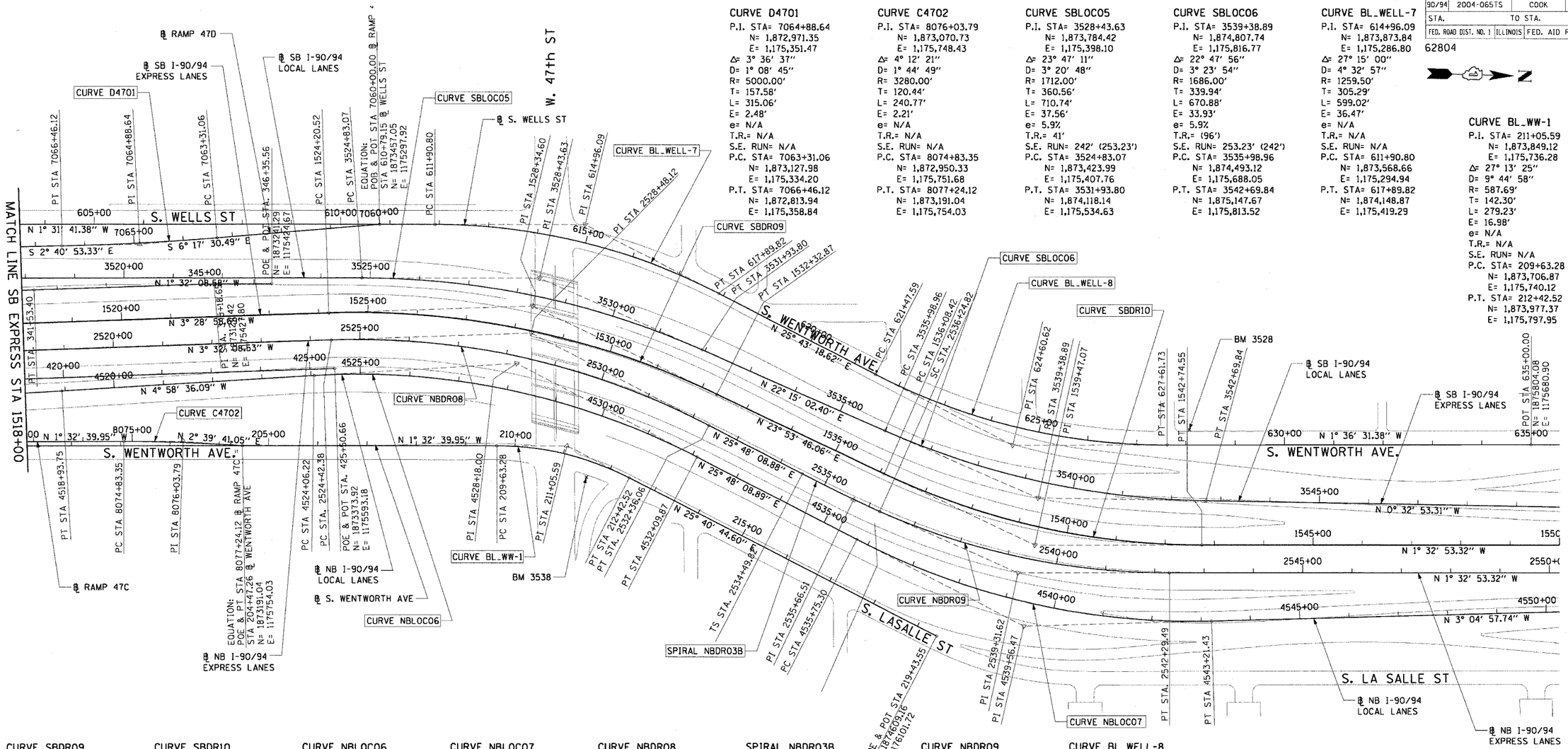
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-065TS	COOK	62	14
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

62804



CURVE D4701
P.I. STA= 7064+88.64
N= 1,872,971.35
E= 1,175,351.47
Δ= 3° 36' 37"
D= 1° 08' 45"
R= 5000.00'
T= 157.58'
L= 315.06'
E= 2.48'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 7063+31.06
N= 1,873,127.98
E= 1,175,334.20
P.T. STA= 7066+46.12
N= 1,872,813.94
E= 1,175,358.84

CURVE C4702
P.I. STA= 8076+03.79
N= 1,873,070.73
E= 1,175,748.43
Δ= 4° 12' 21"
D= 1° 44' 49"
R= 3280.00'
T= 120.44'
L= 240.77'
E= 2.21'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 8074+83.35
N= 1,872,950.33
E= 1,175,751.68
P.T. STA= 8077+24.12
N= 1,873,191.04
E= 1,175,754.03

CURVE SBL0C05
P.I. STA= 3528+43.63
N= 1,873,784.42
E= 1,175,398.10
Δ= 23° 47' 11"
D= 3° 20' 48"
R= 1712.00'
T= 360.56'
L= 710.74'
E= 37.56'
e= 5.9%
T.R.= 41'
S.E. RUN= 242' (253.23')
P.C. STA= 3524+83.07
N= 1,873,423.99
E= 1,175,407.76
P.T. STA= 3531+93.80
N= 1,874,118.14
E= 1,175,534.63

CURVE SBL0C06
P.I. STA= 3539+38.89
N= 1,874,807.74
E= 1,175,816.77
Δ= 22° 47' 56"
D= 3° 23' 54"
R= 1686.00'
T= 339.94'
L= 670.88'
E= 33.93'
e= 5.9%
T.R.= (96')
S.E. RUN= 253.23' (242')
P.C. STA= 3535+98.96
N= 1,874,493.12
E= 1,175,688.05
P.T. STA= 3542+69.84
N= 1,875,147.67
E= 1,175,813.52

CURVE BL_WELL-7
P.I. STA= 614+96.09
N= 1,873,873.84
E= 1,175,286.80
Δ= 27° 15' 00"
D= 4° 32' 57"
R= 1259.50'
T= 305.29'
L= 599.02'
E= 36.47'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 611+90.80
N= 1,873,568.66
E= 1,175,294.94
P.T. STA= 617+89.82
N= 1,874,148.87
E= 1,175,419.29

CURVE BL_WW-1
P.I. STA= 211+05.59
N= 1,873,849.12
E= 1,175,736.28
Δ= 27° 13' 25"
D= 9° 44' 58"
R= 587.69'
T= 142.30'
L= 279.23'
E= 16.98'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 209+63.28
N= 1,873,706.87
E= 1,175,740.12
P.T. STA= 212+42.52
N= 1,873,977.37
E= 1,175,797.95

CURVE SBDR09
P.I. STA= 1528+34.60
N= 1,873,771.86
E= 1,175,455.52
Δ= 27° 22' 45"
D= 3° 22' 13"
R= 1700.00'
T= 414.09'
L= 812.35'
E= 49.71'
e= 5.9%
T.R.= 41'
S.E. RUN= 242' (277.96')
P.C. STA= 1524+20.52
N= 1,873,358.54
E= 1,175,480.67
P.T. STA= 1532+32.87
N= 1,874,150.45
E= 1,175,623.26

CURVE SBDR10
P.I. STA= 1539+47.07
N= 1,874,803.43
E= 1,175,912.56
Δ= 25° 26' 39"
D= 3° 49' 11"
R= 1500.00'
T= 338.65'
L= 666.13'
E= 37.75'
e= 6.0%
T.R.= (96')
S.E. RUN= (282.56') 246'
P.C. STA= 1536+08.42
N= 1,874,493.81
E= 1,175,775.38
P.T. STA= 1542+74.55
N= 1,875,141.96
E= 1,175,903.41

CURVE NBL0C06
P.I. STA= 4528+18.00
N= 1,873,742.76
E= 1,175,572.51
Δ= 30° 46' 45"
D= 3° 49' 48"
R= 1496.00'
T= 411.77'
L= 803.65'
E= 55.64'
e= 6.0%
T.R.= 96' (96')
S.E. RUN= 246' (272.71')
P.C. STA= 4524+06.22
N= 1,873,332.54
E= 1,175,608.23
P.T. STA= 4532+09.87
N= 1,874,113.48
E= 1,175,751.74

CURVE NBL0C07
P.I. STA= 4539+56.47
N= 1,874,785.65
E= 1,176,076.72
Δ= 28° 53' 07"
D= 3° 52' 17"
R= 1480.00'
T= 381.17'
L= 746.13'
E= 48.30'
e= 6.0%
T.R.= 41' (41')
S.E. RUN= (272.71') 246'
P.C. STA= 4535+75.30
N= 1,874,442.48
E= 1,175,910.80
P.T. STA= 4543+21.43
N= 1,875,166.27
E= 1,176,056.22

CURVE NBDR08
P.I. STA= 2528+48.12
N= 1,873,770.44
E= 1,175,510.19
Δ= 29° 20' 17"
D= 3° 41' 47"
R= 1550.00'
T= 405.74'
L= 793.67'
E= 52.23'
e= 6.0%
T.R.= 96' (96')
S.E. RUN= 246' (267.20')
P.C. STA= 2524+42.38
N= 1,873,365.47
E= 1,175,535.22
P.T. STA= 2532+36.06
N= 1,874,135.73
E= 1,175,686.80

SPIRAL NBDR03B
P.I. STA= 2535+66.51
N= 1,874,433.24
E= 1,175,830.64
Δ= 3° 27' 27"
LS= 175.00'
YS= 3.52'
XS= 174.94'
P= 0.88'
K= 87.49'
LT= 116.69'
ST= 58.35'
LC= 174.97'
T.S. STA= 2534+49.82
N= 1,874,328.19
E= 1,175,779.85
S.C. STA= 2536+24.82
N= 1,874,487.21
E= 1,175,852.82

CURVE NBDR09
P.I. STA= 2539+31.62
N= 1,874,770.97
E= 1,175,969.46
Δ= 23° 53' 35"
D= 3° 57' 05"
R= 1450.00'
T= 306.79'
L= 604.67'
E= 32.10'
e= 6.0%
T.R.= 41'
S.E. RUN= 246'
P.C. STA= 2536+24.82
N= 1,874,487.21
E= 1,175,852.82
P.T. STA= 2542+29.49
N= 1,875,077.65
E= 1,175,961.17

CURVE BL_WELL-8
P.I. STA= 624+60.62
N= 1,874,753.20
E= 1,175,710.42
Δ= 27° 19' 50"
D= 4° 27' 01"
R= 1287.50'
T= 313.03'
L= 614.15'
E= 37.51'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 621+47.59
N= 1,874,471.18
E= 1,175,574.56
P.T. STA= 627+61.73
N= 1,875,066.11
E= 1,175,701.63

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

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
TRAFFIC SIGNALS AT 47TH STREET WITH WENTWORTH AVENUE - LASALLE STREET AND WELLS STREET - WENTWORTH AVENUE

ALIGNMENT PLAN

SCALE: 1"=100'
DRAWN BY: NJH/AMM
DATE: October 29, 2004
CHECKED BY: JAL/MS

M:\P40468-CNI\N4-Cntr\9-Add_Cntr\9BIG-47th\sht\ALD9001T2.dgn
10/27/2004 12:42:41 PM