F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	344	30
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

*107WRS-1, 107BY, 107BY-1 & 107B-2

CONTRACT NO. 94827

PROP. CURVE C1A
PI STA. = 539+99.97
Δ = 3° 53' 00" (LT)
D = 0° 24' 00"
R = 14,323.90'
T = 485.59'
L = 970.81'
E = 8.23'
e = 1.56%
P.C. STA. = 535+14.38
P.T. STA. = 544+85.19
SE REMOVED STA. 544+00.00 TO STA. 547+00.00

PROP. CURVE C75
PI STA. = 223+92.58
Δ = 31° 32' 36" (RT)
D = 19° 05' 55"
R = 300.00'
T = 84.73'
L = 165.16'
E = 11.74'
e = N/C
P.C. STA. = 223+07.85
P.T. STA. = 224+73.01

STATION EQUATION:
POT STA. 50+00.00 =
STA. 872+16.80

STATION EQUATION:
4' LT STA. 872+23.35
= PC STA. 872+20.78

PC STA. 51+49.94

STA. 52+00.09 (IL RTE 32) =
STA. 230+03.13 (RELOCATED 1700TH ST)

STATION EQUATION:
STA. 225+23.01 BK =
STA. 224+88.76 AH

PT STA. 53+01.78

PT STA. 54+58.16
℄ SURVEY

PROP. CURVE C98
PI STA. = 52+26.30
Δ = 14° 59' 59" (RT)
D = 9° 52' 43"
R = 580.01'
T = 76.36'
L = 151.84'
E = 5.00'
e = 4.00%
P.C. STA. = 51+49.94
P.T. STA. = 53+01.78
SE ATTAINED STA. 50+20.00 TO STA. 51+90.00
SE REMOVED STA. 52+60.00 TO STA. 54+30.00

EXISTING CURVE C5
P.I. STA.= 53+04.92
Δ= 14° 49' 30" (RT)
D= 4° 48' 35"
R= 1191.22'
T= 154.98'
L= 308.22'
E= 10.04
e= 1.56%
P.C. STA.= 51+49.94
P.T. STA.= 54+58.16

EXISTING CURVE C4
P.I. STA= 878+53.19
Δ= 58° 33' 15" (LT)
D= 5° 04' 46"
R= 1127.99'
T= 632.41'
L= 1152.77'
E= 165.18'
e= 7%
P.C. STA.= 872+20.78
P.T. STA.= 883+73.55

PROP. CURVE TR116A
PI STA. = 66+50.52
Δ = 33° 30' 40" (LT)
D = 23° 00' 01"
R = 249.11'
T = 75.00'
L = 145.70'
E = 11.05'
e = N/C
P.C. STA. = 65+75.52
P.T. STA. = 67+21.22

PROP. CURVE TR116B
PI STA. = 68+94.08
Δ = 17° 57' 11" (RT)
D = 23° 00' 01"
R = 249.11'
T = 39.35'
L = 78.06'
E = 3.09'
e = N/C
P.C. STA. = 68+54.73
P.T. STA. = 69+32.78

POT STA. 70+21.01
PC STA. 68+54.73
PT STA. 67+21.22
PT STA. 69+32.78

PRC STA. 223+07.85 =
STA. 544+65.39 (IL RTE 33) =
STA. 223+07.85 (RELOCATED 1700TH AVE)

PROPOSED PROJECT BEGINS
STA. 541+93.85

PC STA. 65+75.52
STA. 896+48.57 (IL RTE 32/33) =
STA. 64+00.00 (LAKE SARA RD)

STA. 896+43.01 (IL RTE 32/33) =
STA. 65+00.00 (1000TH ST)

PT STA. 63+58.24

PC STA. 62+68.85

POT STA. 60+00.00

PC STA. 535+14.38

PRC STA. 217+99.31

PRC STA. 219+72.98

PT STA. 544+85.19

PC STA. 546+91.90

STA. 551+96.78 (IL RTE 33)
STA 56+10.35 (℄ SURVEY)

STA. 551+74.79 (IL RTE 33) =
STA. 56+03.00 (IL RTE 32)

PT STA. 556+58.77

STATION EQUATION:
4' RT PT Sta 883+73.55 BK
STA. 884+96.78 AH
STA. 559+19.18

MATCH LINE STA. 905+00.00

PROP. CURVE C71
PI STA. = 218+88.66
Δ = 33° 10' 11" (RT)
D = 19° 05' 55"
R = 300.00'
T = 89.35'
L = 173.68'
E = 13.02'
e = N/C
P.C. STA. = 217+99.31
P.T. STA. = 219+72.98

PROP. CURVE C72
PI STA. = 221+60.28
Δ = 63° 57' 15" (LT)
D = 19° 05' 55"
R = 300.00'
T = 187.29'
L = 334.86'
E = 53.67'
e = N/C
P.C. STA. = 219+72.98
P.T. STA. = 223+07.85

PROPOSED CURVE C1
P.I. STA= 551+75.52
Δ= 3° 52' 10" (RT)
D= 0° 24' 01"
R= 14317.15
T= 483.62'
L= 966.87
E= 8.17'
e= 1.56%
P.C. STA= 546+91.90
P.T. STA= 556+58.77
SE ATTAINED STA. 547+00.00 TO STA. 549+50.00
SE REMOVED STA. 549+50.00 TO STA. 550+00.00

PROP. CURVE C8
PI STA. = 63+14.03
Δ = 20° 33' 39" (RT)
D = 23° 00' 01"
R = 249.11'
T = 45.18'
L = 89.39'
E = 4.06'
e = N/C
P.C. STA. = 62+68.85
P.T. STA. = 63+58.24

PT STA. 84+87.47=
STA. 955+28.27 (IL RTE 32/33) =
STA. 84+87.47 (RELOCATED NAZARENE RD)

POT STA. 77+50.00

STA. 940+77.10 (IL RTE 32/33) =
STA. 75+00.00 (1075TH ST)

STA. 954+77.01 (IL RTE 32/33) =
STA. 85+00.00 (NAZARENE RD)

MATCH LINE STA. 965+00.00

PC Sta 82+66.29

STA. 958+10.00 (IL RTE 32/33) =
STA. 240+00.00 (WEBB ST)

PROP. CURVE C16
PI STA. = 83+78.61
Δ = 24° 35' 40" (RT)
D = 11° 07' 12"
R = 515.26'
T = 112.32'
L = 221.18'
E = 12.10'
e = -----
P.C. STA. = 82+66.29
P.T. STA. = 84+87.47

POT STA. 80+00.00

POT STA. 79+50.00

POT STA. 79+50.00

PROPOSED CURVE C2
P.I. STA.= 909+09.01
Δ= 9° 11' 48" LT.
D= 1° 57' 24"
R= 2928.11'
T= 235.51'
L= 470.00'
E= 9.46
e= 4.89%
P.C. STA.= 906+73.50
P.T. STA.= 911+43.50
SE ATTAINED STA. 905+85.00 TO STA. 908+00.00
SE REMOVED STA. 911+00.00 TO STA. 913+15.00

POT STA. 72+51.95

STA. 913+90.65 (IL RTE 32/33) =
STA. 70+00.00 (STONERIDGE DR)

MATCH LINE STA. 905+00.00

PC STA. 906+73.50

PT STA. 911+43.50

200 0 100 200

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL ALIGNMENT PLAN
SHEET 1 OF 2

SCALE: 1"=200' DRAWN BY NJV
DATE 4/22/02 CHECKED BY BKB

BLANK, WESSELINK, COOK & ASSOCIATES ENGINEERS-CONSULTANTS DECATUR, ILLINOIS

F.A.P. 774 (IL 32/33) SEC 107 WRS-1, 107BY, 107BY-1 & 107B-2 EFFINGHAM COUNTY