

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 TR116A PI STA. = 66+50.52 $\Delta = 33^\circ 30' 40''$ (LT) $D = 23^\circ 00' 01''$ $R = 249.11'$ $T = 75.00'$ $L = 145.70'$ $E = 11.05'$ $e = N/C$ P.C. STA. = 65+75.52 P.T. STA. = 67+21.22	PROP. CURVE TR116B PI STA. = 68+94.08 $\Delta = 17^\circ 57' 11''$ (RT) $D = 23^\circ 00' 01''$ $R = 249.11'$ $T = 39.35'$ $L = 78.06'$ $E = 3.09'$ $e = N/C$ P.C. STA. = 68+54.73 P.T. STA. = 69+32.78
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PROP. CURVE C8 PI STA. = 63+14.03 $\Delta = 20^\circ 33' 39''$ (RT) $D = 23^\circ 00' 01''$ $R = 249.11'$ $T = 45.18'$ $L = 89.39'$ $E = 4.06'$ $e = N/C$ P.C. STA. = 62+68.85 P.T. STA. = 63+58.24

PROP. CURVE C98 PI STA. = 52+26.30 $\Delta = 14^\circ 59' 59''$ (RT) $D = 9^\circ 52' 43''$ $R = 580.01'$ $T = 76.36'$ $L = 151.84'$ $E = 5.00'$ $e = 4.00\%$ 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 $\Delta = 14^\circ 49' 30''$ (RT) $D = 4^\circ 48' 35''$ $R = 1191.22'$ $T = 154.98'$ $L = 308.22'$ $E = 10.04'$ $e = 1.56\%$ P.C. STA. = 51+49.94 P.T. STA. = 54+58.16	EXISTING CURVE C4 P.I. STA. = 878+53.19 $\Delta = 58^\circ 33' 15''$ (LT) $D = 5^\circ 04' 46''$ $R = 1127.99'$ $T = 632.41'$ $L = 1152.77'$ $E = 165.18'$ $e = 7\%$ P.C. STA. = 872+20.78 P.T. STA. = 883+73.55
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PROP. CURVE C1A PI STA. = 539+99.97 $\Delta = 3^\circ 53' 00''$ (LT) $D = 0^\circ 24' 00''$ $R = 14,323.90'$ $T = 485.59'$ $L = 970.81'$ $E = 8.23'$ $e = 1.56\%$ 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 $\Delta = 31^\circ 32' 36''$ (RT) $D = 19^\circ 05' 55''$ $R = 300.00'$ $T = 84.73'$ $L = 165.16'$ $E = 11.74'$ $e = N/C$ P.C. STA. = 223+07.85 P.T. STA. = 224+73.01

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

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

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

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

PC STA. 51+49.94
 STA. 52+00.09 (IL RTE 32) = STA. 230+03.13 (RELOCATED 1700TH ST)
 PT STA. 53+01.78

PT STA. 54+58.16
 C SURVEY

STA. 551+96.78 (IL RTE 33) = STA. 56+10.35 (C SURVEY)
 STA. 551+74.79 (IL RTE 33) = STA. 56+03.00 (IL RTE 32)

STATION EQUATION:
 4' RT PT STA. 883+73.55 BK = STA. 884+96.76 AH = STA. 559+13.18

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

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

PROPOSED CURVE C1 P.I. STA. = 551+75.52 $\Delta = 3^\circ 52' 10''$ (RT) $D = 0^\circ 24' 01''$ $R = 14317.15'$ $T = 483.62'$ $L = 966.87'$ $E = 8.17'$ $e = 1.56\%$ 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

MATCH LINE STA. 905+00.00
 PC STA. 906+73.50
 T STA. 911+43.50
 POT STA. 72+51.95
 STA. 913+90.65 (IL RTE 32/33) = STA. 70+00.00 (STONERIDGE DR)

PROPOSED CURVE C2 P.I. STA. = 909+09.01 $\Delta = 9^\circ 11' 48''$ LT. $D = 1^\circ 57' 24''$ $R = 2928.11'$ $T = 235.51'$ $L = 470.00'$ $E = 9.46'$ $e = 4.89\%$ 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

905+00 910+00 915+00 920+00 925+00 930+00 935+00 940+00 945+00 950+00 955+00 960+00

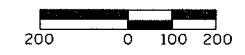
POT STA. 77+50.00
 STA. 940+77.10 (IL RTE 32/33) = STA. 75+00.00 (1075TH ST)
 STA. 954+77.01 (IL RTE 32/33) = STA. 85+00.00 (NAZARENE RD)

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

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

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

POT STA. 80+00.00
 POT STA. 79+50.00
 POT STA. 79+50.00



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 HORIZONTAL ALIGNMENT PLAN
 SHEET 1 OF 2
 SCALE: 1"=200'
 DATE 4/22/02
 DRAWN BY NJV
 CHECKED BY BKB