

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-029	COOK	344	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
62581				

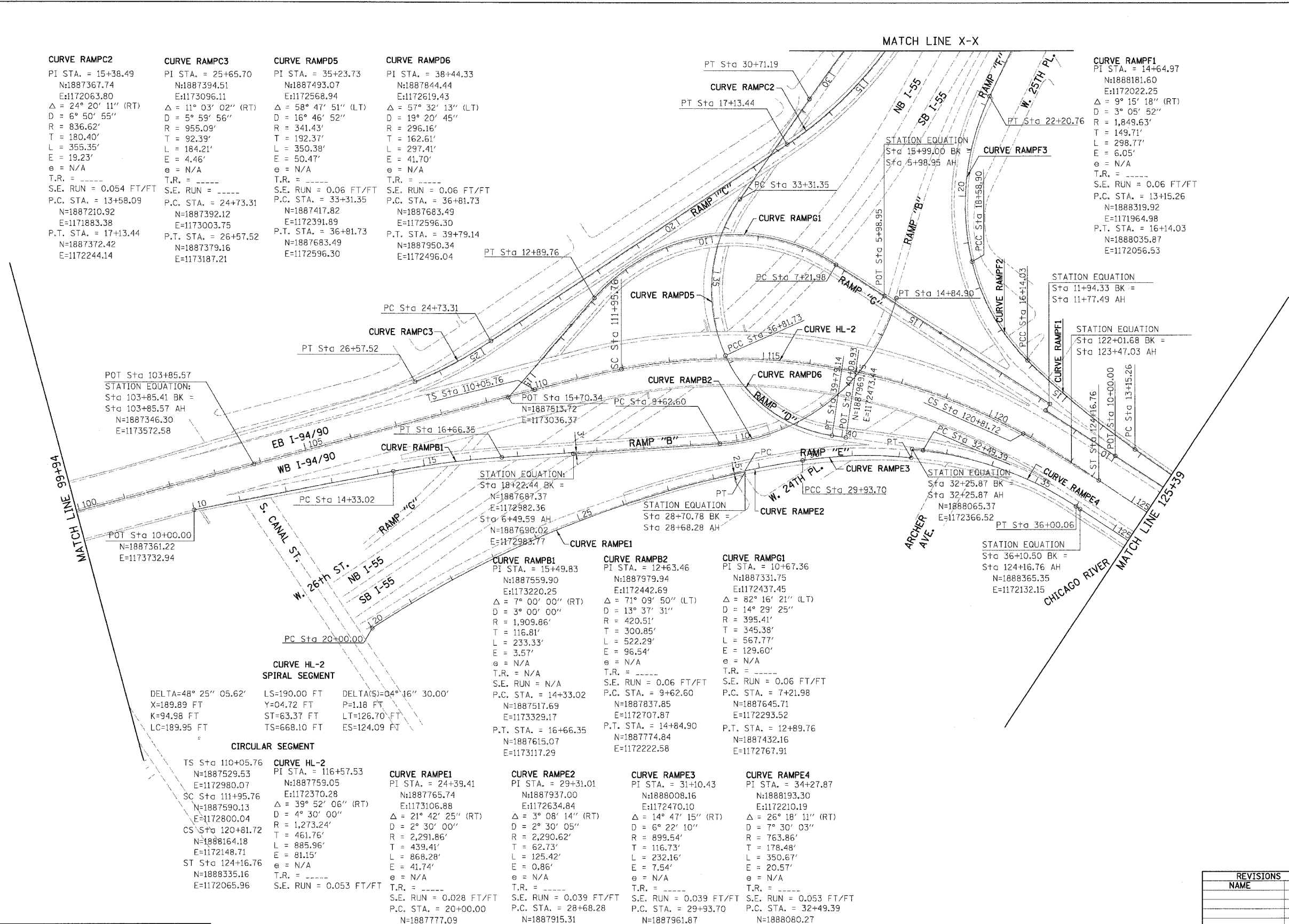
CURVE RAMP C2
 PI STA. = 15+38.49
 N=1887367.74
 E=1172063.80
 $\Delta = 24^\circ 20' 11''$ (RT)
 D = 6° 50' 55"
 R = 836.62'
 T = 180.40'
 L = 355.35'
 E = 19.23'
 e = N/A
 T.R. = -----
 S.E. RUN = 0.054 FT/FT
 P.C. STA. = 13+58.09
 N=1887210.92
 E=1171883.38
 P.T. STA. = 17+13.44
 N=1887372.42
 E=1172244.14

CURVE RAMP C3
 PI STA. = 25+65.70
 N=1887394.51
 E=1173096.11
 $\Delta = 11^\circ 03' 02''$ (RT)
 D = 5° 59' 56"
 R = 955.09'
 T = 92.39'
 L = 184.21'
 E = 4.46'
 e = N/A
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 24+73.31
 N=1887392.12
 E=1173003.75
 P.T. STA. = 26+57.52
 N=1887379.16
 E=1173187.21

CURVE RAMP D5
 PI STA. = 35+23.73
 N=1887493.07
 E=1172568.94
 $\Delta = 58^\circ 47' 51''$ (LT)
 D = 16° 46' 52"
 R = 341.43'
 T = 192.37'
 L = 350.38'
 E = 50.47'
 e = N/A
 T.R. = -----
 S.E. RUN = 0.06 FT/FT
 P.C. STA. = 33+31.35
 N=1887417.82
 E=1172391.89
 P.T. STA. = 36+81.73
 N=1887950.34
 E=1172596.30

CURVE RAMP D6
 PI STA. = 38+44.33
 N=1887844.44
 E=1172619.43
 $\Delta = 57^\circ 32' 13''$ (LT)
 D = 19° 20' 45"
 R = 296.16'
 T = 162.61'
 L = 297.41'
 E = 41.70'
 e = N/A
 T.R. = -----
 S.E. RUN = 0.06 FT/FT
 P.C. STA. = 36+81.73
 N=1887683.49
 E=1172596.30
 P.T. STA. = 39+79.14
 N=1887950.34
 E=1172496.04

CURVE RAMP F1
 PI STA. = 14+64.97
 N=1888181.60
 E=1172022.25
 $\Delta = 9^\circ 15' 18''$ (RT)
 D = 3° 05' 52"
 R = 1,849.63'
 T = 149.71'
 L = 298.77'
 E = 6.05'
 e = N/A
 T.R. = -----
 S.E. RUN = 0.06 FT/FT
 P.C. STA. = 13+15.26
 N=1888319.92
 E=1171964.98
 P.T. STA. = 16+14.03
 N=1888035.87
 E=1172056.53



POT Sta 103+85.57
 STATION EQUATION:
 Sta 103+85.41 BK =
 Sta 103+85.57 AH
 N=1887346.30
 E=1173572.58

POT Sta 10+00.00
 N=1887361.22
 E=1173732.94

CURVE HL-2 SPIRAL SEGMENT
 DELTA=48° 25' 05.62"
 X=189.89 FT
 K=94.98 FT
 LC=189.95 FT

CIRCULAR SEGMENT
 TS Sta 110+05.76
 N=1887529.53
 E=1172980.07
 SC Sta 111+95.76
 N=1887590.13
 E=1172800.04
 CS Sta 120+81.72
 N=1888164.18
 E=1172148.71
 ST Sta 124+16.76
 N=1888335.16
 E=1172065.96

CURVE HL-2
 PI STA. = 116+57.53
 N=1887759.05
 E=1172370.28
 $\Delta = 39^\circ 52' 06''$ (RT)
 D = 4° 30' 00"
 R = 1,273.24'
 T = 461.76'
 L = 885.96'
 E = 81.15'
 e = N/A
 T.R. = -----
 S.E. RUN = 0.053 FT/FT

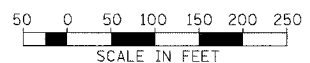
CURVE RAMP E1
 PI STA. = 15+49.83
 N=1887559.90
 E=1173220.25
 $\Delta = 7^\circ 00' 00''$ (RT)
 D = 3° 00' 00"
 R = 1,909.86'
 T = 116.81'
 L = 233.33'
 E = 3.57'
 e = N/A
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 14+33.02
 N=1887517.69
 E=1173329.17
 P.T. STA. = 16+66.35
 N=1887615.07
 E=1173117.29

CURVE RAMP E2
 PI STA. = 12+63.46
 N=1887979.94
 E=1172442.69
 $\Delta = 71^\circ 09' 50''$ (LT)
 D = 13° 37' 31"
 R = 420.51'
 T = 300.85'
 L = 522.29'
 E = 96.54'
 e = N/A
 T.R. = -----
 S.E. RUN = 0.06 FT/FT
 P.C. STA. = 9+62.60
 N=1887837.85
 E=1172707.87
 P.T. STA. = 14+84.90
 N=1887774.84
 E=1172222.58

CURVE RAMP E3
 PI STA. = 10+67.36
 N=1887331.75
 E=1172437.45
 $\Delta = 82^\circ 16' 21''$ (LT)
 D = 14° 29' 25"
 R = 395.41'
 T = 345.38'
 L = 567.77'
 E = 129.60'
 e = N/A
 T.R. = -----
 S.E. RUN = 0.06 FT/FT
 P.C. STA. = 7+21.98
 N=1887645.71
 E=1172293.52
 P.T. STA. = 12+89.76
 N=1887432.16
 E=1172767.91

CURVE RAMP E4
 PI STA. = 31+10.43
 N=1888008.16
 E=1172470.10
 $\Delta = 14^\circ 47' 15''$ (RT)
 D = 6° 22' 10"
 R = 899.54'
 T = 116.73'
 L = 232.16'
 E = 7.54'
 e = N/A
 T.R. = -----
 S.E. RUN = 0.039 FT/FT
 P.C. STA. = 29+93.70
 N=1887961.87
 E=1172577.25
 P.T. STA. = 32+25.87
 N=1888080.27
 E=1172378.30

CURVE RAMP E5
 PI STA. = 34+27.87
 N=1888193.30
 E=1172210.19
 $\Delta = 26^\circ 18' 11''$ (RT)
 D = 7° 30' 03"
 R = 763.86'
 T = 178.48'
 L = 350.67'
 E = 20.57'
 e = N/A
 T.R. = -----
 S.E. RUN = 0.053 FT/FT
 P.C. STA. = 32+49.39
 N=1888080.27
 E=1172348.32
 P.T. STA. = 36+00.06
 N=1888355.84
 E=1172136.46



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 SB DAN RYAN ELEVATED BRIDGE
 REPAIR FROM 15TH TO 28TH STREETS
 ALIGNMENT PLAN
 STA. 99+94 TO STA. 125+39

SCALE: 1"=100'
 DATE: 4/14/2006

DRAWN BY: RA
 CHECKED BY: RS

BOWMAN, BARRETT & ASSOCIATES INC.
 CONSULTING ENGINEERS
 Chicago, Illinois
 312.228.0100
 www.bbainc.com

CAL03
 4/14/2006