CONTRACT NO. 89307
PROJECT NO. TE-D4(085)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	00-P4002-03-BT	PEORIA	53	14
STA. 100+36.27		TO STA. 179+51.94		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

MAURER ▲ STUTZ, INC. ENGINEERS SURVEYORS

Beginning chain CL description
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Point 100050 N 49,149.758 E 50,206.014 Sta 100+00.00

Course from 100050 to PC CL-1 S 85° 07' 26.93" E Dist 45.305

Curve Data

Curve CL-1
P.I. Station 101+09.02 N 49,140.491 E 50,314.636
Delta = 65° 00' 15.20" (RT)
Degree = 57° 17' 44.81"
Tangent = 63.712
Length = 113.454
Radius = 100.000
External = 18.572
Long Chord = 107.466
Mid. Ord. = 15.663
P.C. Station 100+45.30 N 49,145.907 E 50,251.155
P.T. Station 101+58.76 N 49,080.667 E 50,336.553
C.C. N 49,046.269 E 50,242.655
Back = S 85° 07' 26.93" E
Ahead = S 20° 07' 11.73" E
Chord Bear = S 52° 37' 19.33" E

Course from PT CL-1 to 100051 S 20° 07' 11.73" E Dist 69.618

Point 100051 N 49,015.298 E 50,360.500 Sta 102+28.38

Course from 100051 to 100052 S 20° 07' 11.81" E Dist 753.089

Point 100052 N 48,308.167 E 50,619.553 Sta 109+81.46

Course from 100052 to 100053 S 20° 06' 09.79" E Dist 177.266

Point 100053 N 48,141.700 E 50,680.480 Sta 111+58.73

Course from 100053 to PC CL-2 S 20° 06' 09.79" E Dist 55.153

Curve Data

Curve CL-2
P.I. Station 112+31.97 N 48,072.922 E 50,705.652
Delta = 3° 11' 16.36" (LT)
Degree = 8° 48' 53.05"
Tangent = 18.087
Length = 36.165
Radius = 650.000
External = 0.252
Long Chord = 36.161
Mid. Ord. = 0.252
P.C. Station 112+13.88 N 48,089.908 E 50,699.436
P.T. Station 112+50.05 N 48,056.309 E 50,712.804
C.C. N 48,313.316 E 51,309.836
Back = S 20° 06' 09.79" E
Ahead = S 23° 17' 26.15" E
Chord Bear = S 21° 41' 47.97" E

Curve Data

Curve CL-3
P.I. Station 112+68.14 N 48,039.696 E 50,719.956
Delta = 3° 11' 16.36" (RT)
Degree = 8° 48' 53.05"
Tangent = 18.087
Length = 36.165
Radius = 650.000
External = 0.252
Long Chord = 36.161
Mid. Ord. = 0.252
P.C. Station 112+50.05 N 48,056.309 E 50,712.804
P.T. Station 112+86.21 N 48,022.710 E 50,726.172
C.C. N 47,799.302 E 50,115.772
Back = S 23° 17' 26.15" E
Ahead = S 20° 06' 09.79" E
Chord Bear = S 21° 41' 47.97" E

Course from PT CL-3 to PC CL-4 S 20° 06' 09.79" E Dist 138.706

Curve Data

Curve CL-4
P.I. Station 114+43.01 N 47,875.469 E 50,780.063
Delta = 3° 11' 16.36" (RT)
Degree = 8° 48' 53.05"
Tangent = 18.087
Length = 36.165
Radius = 650.000
External = 0.252
Long Chord = 36.161
Mid. Ord. = 0.252
P.C. Station 114+24.92 N 47,892.454 E 50,773.846
P.T. Station 114+61.09 N 47,858.164 E 50,785.326
C.C. N 47,669.047 E 50,163.446
Back = S 20° 06' 09.79" E
Ahead = S 16° 54' 53.42" E
Chord Bear = S 18° 30' 31.61" E

Curve Data

Curve CL-5
P.I. Station 114+79.17 N 47,840.859 E 50,790.588
Delta = 3° 11' 16.36" (LT)
Degree = 8° 48' 53.05"
Tangent = 18.087
Length = 36.165
Radius = 650.000
External = 0.252
Long Chord = 36.161
Mid. Ord. = 0.252
P.C. Station 114+61.09 N 47,858.164 E 50,785.326
P.T. Station 114+97.25 N 47,823.874 E 50,796.805
C.C. N 48,047.282 E 51,407.205
Back = S 16° 54' 53.42" E
Ahead = S 20° 06' 09.79" E
Chord Bear = S 18° 30' 31.61" E

Course from PT CL-5 to 100054 S 20° 06' 09.79" E Dist 44.351

Point 100054 N 47,782.225 E 50,812.048 Sta 115+41.60

Course from 100054 to 100055 S 20° 06' 09.79" E Dist 1,844.197

Point 100055 N 46,050.380 E 51,445.907 Sta 133+85.80

Course from 100055 to PC CL-6 S 20° 06' 09.79" E Dist 1,372.550

Curve Data

Curve CL-6
P.I. Station 148+00.22 N 44,722.129 E 51,932.049
Delta = 45° 26' 20.72" (LT)
Degree = 57° 17' 44.81"
Tangent = 41.871
Length = 79.306
Radius = 100.000
External = 8.412
Long Chord = 77.244
Mid. Ord. = 7.759
P.C. Station 147+58.35 N 44,761.449 E 51,917.658
P.T. Station 148+37.65 N 44,704.793 E 51,970.163
C.C. N 44,795.819 E 52,011.566
Back = S 20° 06' 09.79" E
Ahead = S 65° 32' 30.51" E
Chord Bear = S 42° 49' 20.15" E

Course from PT CL-6 to PC CL-7 S 65° 32' 30.51" E Dist 15.989

Curve Data

Curve CL-7
P.I. Station 149+02.67 N 44,677.876 E 52,029.342
Delta = 52° 13' 53.87" (RT)
Degree = 57° 17' 44.81"
Tangent = 49.024
Length = 91.161
Radius = 100.000
External = 11.370
Long Chord = 88.037
Mid. Ord. = 10.209
P.C. Station 148+53.64 N 44,698.173 E 51,984.717
P.T. Station 149+44.81 N 44,630.169 E 52,040.628
C.C. N 44,607.146 E 51,943.314
Back = S 65° 32' 30.51" E
Ahead = S 13° 18' 36.64" E
Chord Bear = S 39° 25' 33.57" E

Course from PT CL-7 to 100056 S 13° 18' 36.64" E Dist 137.016

Point 100056 N 44,496.834 E 52,072.172 Sta 150+81.82

Course from 100056 to 100057 S 57° 45' 48.87" E Dist 16.946

Point 100057 N 44,487.794 E 52,086.506 Sta 150+98.77

Course from 100057 to 100058 S 16° 27' 57.32" E Dist 134.271

Equation: Sta 152+33.04 (BK) = Sta 152+31.94 (AH) — End Region 1 / Begin Region 2

Point 100058 N 44,359.030 E 52,124.564 Sta 152+31.94

Course from 100058 to PC CL-8 S 34° 59' 43.80" W Dist 12.018

Curve Data

Curve CL-8
P.I. Station 152+95.87 N 44,306.653 E 52,087.896
Delta = 54° 52' 30.46" (LT)
Degree = 57° 17' 44.81"
Tangent = 51.918
Length = 95.775
Radius = 100.000
External = 12.674
Long Chord = 92.156
Mid. Ord. = 11.249
P.C. Station 152+43.95 N 44,349.185 E 52,117.672
P.T. Station 153+39.73 N 44,257.829 E 52,105.551
C.C. N 44,291.834 E 52,199.592
Back = S 34° 59' 43.79" W
Ahead = S 19° 52' 46.67" E
Chord Bear = S 7° 33' 28.56" W

Course from PT CL-8 to 100059 S 19° 52' 46.67" E Dist 860.274

Point 100059 N 43,448.819 E 52,398.083 Sta 162+00.00

Course from 100059 to 100060 S 20° 06' 09.79" E Dist 501.905

Point 100060 N 42,977.491 E 52,570.590 Sta 167+01.91

Course from 100060 to PC CL-9 S 20° 06' 09.79" E Dist 184.566

Curve Data

Curve CL-9
P.I. Station 177+36.85 N 42,005.599 E 52,926.304
Delta = 16° 24' 11.88" (LT)
Degree = 0° 58' 16.01"
Tangent = 850.376
Length = 1,689.120
Radius = 5,900.000
External = 60.968
Long Chord = 1,683.358
Mid. Ord. = 60.344
P.C. Station 168+86.48 N 42,804.169 E 52,634.026
P.T. Station 185+75.60 N 41,322.071 E 53,432.199
C.C. N 44,832.024 E 58,174.586
Back = S 20° 06' 09.79" E
Ahead = S 36° 30' 21.67" E
Chord Bear = S 28° 18' 15.73" E

Course from PT CL-9 to 100061 S 36° 30' 21.67" E Dist 115.678

Point 100061 N 41,229.090 E 53,501.017 Sta 186+91.27

Course from 100061 to 100062 S 36° 30' 21.85" E Dist 2,624.667

Point 100062 N 39,119.399 E 55,062.452 Sta 213+15.94

Course from 100062 to PC CL-10 S 36° 30' 21.55" E Dist 3,792.552

Curve Data

Curve CL-10
P.I. Station 251+30.35 N 36,053.393 E 57,331.673
Delta = 24° 39' 48.14" (LT)
Degree = 57° 17' 44.81"
Tangent = 21.861
Length = 43.046
Radius = 100.000
External = 2.362
Long Chord = 42.714
Mid. Ord. = 2.307
P.C. Station 251+08.49 N 36,070.965 E 57,318.667
P.T. Station 251+51.54 N 36,042.851 E 57,350.824
C.C. N 36,130.456 E 57,399.046
Back = S 36° 30' 21.55" E
Ahead = S 61° 10' 09.69" E
Chord Bear = S 48° 50' 15.62" E

Course from PT CL-10 to PC CL-11 S 61° 10' 09.69" E Dist 15.281

Curve Data

Curve CL-11
P.I. Station 252+18.58 N 36,010.521 E 57,409.559
Delta = 54° 44' 08.04" (RT)
Degree = 57° 17' 44.81"
Tangent = 51.764
Length = 95.532
Radius = 100.000
External = 12.603
Long Chord = 91.940
Mid. Ord. = 11.193
P.C. Station 251+66.82 N 36,035.482 E 57,364.211
P.T. Station 252+62.35 N 35,959.083 E 57,415.359
C.C. N 35,947.877 E 57,315.989
Back = S 61° 10' 09.69" E
Ahead = S 6° 26' 01.64" E
Chord Bear = S 33° 48' 05.66" E

Course from PT CL-11 to PC CL-12 S 6° 26' 01.64" E Dist 45.962

Curve Data

Curve CL-12
P.I. Station 253+60.40 N 35,861.649 E 57,426.346
Delta = 55° 01' 46.54" (LT)
Degree = 57° 17' 44.81"
Tangent = 52.090
Length = 96.045
Radius = 100.000
External = 12.753
Long Chord = 92.396
Mid. Ord. = 11.311
P.C. Station 253+08.31 N 35,913.410 E 57,420.509
P.T. Station 254+04.36 N 35,836.765 E 57,472.107
C.C. N 35,924.616 E 57,519.879
Back = S 6° 26' 01.64" E
Ahead = S 61° 27' 48.18" E
Chord Bear = S 33° 56' 54.91" E

Course from PT CL-12 to PC CL-13 S 61° 27' 48.18" E Dist 15.773

Curve Data

Curve CL-13
P.I. Station 254+42.26 N 35,818.658 E 57,505.406
Delta = 24° 57' 26.51" (RT)
Degree = 57° 17' 44.81"
Tangent = 22.130
Length = 43.559
Radius = 100.000
External = 2.420
Long Chord = 43.215
Mid. Ord. = 2.362
P.C. Station 254+20.13 N 35,829.230 E 57,485.964
P.T. Station 254+63.69 N 35,800.869 E 57,518.571
C.C. N 35,741.379 E 57,438.192
Back = S 61° 27' 48.18" E
Ahead = S 36° 30' 21.67" E
Chord Bear = S 48° 59' 04.92" E

Course from PT CL-13 to 100063 S 36° 30' 21.67" E Dist 831.216

Point 100063 N 35,132.743 E 58,013.068 Sta 262+94.91

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Ending chain CL description

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL ALIGNMENT DATA
ROCK ISLAND/PIMITEOUI BIKE TRAIL
SECTION 00-P4002-03-BT
PEORIA COUNTY

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY