

MAIN ENTRANCE CURVE DATA

PROP. \odot MAIN ENTRANCE
CURVE-1 DATA
PI STA. = 30+38.56
 Δ = 7° 03' 42" (RT)
D = 9° 10' 02"
R = 625.00'
T = 38.56'
L = 77.03'
E = 1.19'
P.C. STA. = 30+00.00
P.T. STA. = 30+77.03

PROP. \odot MAIN ENTRANCE
CURVE-2 DATA
PI STA. = 32+76.70
 Δ = 38° 50' 18" (LT)
D = 19° 45' 26"
R = 290.00'
T = 102.23'
L = 196.58'
E = 17.49'
P.C. STA. = 31+74.46
P.T. STA. = 33+71.04

MAIN ENTRANCE COORDINATE DATA

P.C. STA. = 30+00.00
N: 1711358.419
E: 2448345.602

P.T. STA. = 30+77.03
N: 1711417.783
E: 2448394.614

P.C. STA. = 31+74.46
N: 1711488.953
E: 2448461.154

P.T. STA. = 33+71.04
N: 1711665.586
E: 2448538.527

BOAT RAMP CURVE DATA

PROP. \odot BOAT RAMP
CURVE-1 DATA
PI STA. = 12+23.83
 Δ = 39° 27' 53" (LT)
D = 28° 38' 52"
R = 200.00'
T = 71.74'
L = 137.76'
E = 12.48'
P.C. STA. = 11+52.09
P.C.C. STA. = 12+89.85

PROP. \odot BOAT RAMP
CURVE-2 DATA
PI STA. = 13+50.19
 Δ = 13° 45' 46" (LT)
D = 11° 27' 33"
R = 500.00'
T = 60.34'
L = 120.10'
E = 3.63'
P.C.C. STA. = 12+89.85
P.T. STA. = 14+09.95

BOAT RAMP COORDINATE DATA

P.C. STA. = 11+52.09
N: 1711541.964
E: 2448068.330

P.C.C. STA. = 12+89.85
N: 1711440.054
E: 2448156.948

P.T. STA. = 14+09.95
N: 1711394.441
E: 2448267.741

MAIN CAMPGROUND CURVE DATA

PROP. \odot MAIN CAMPGROUND
CURVE-1 DATA
PI STA. = 20+73.83
 Δ = 26° 47' 35" (LT)
D = 18° 28' 57"
R = 310.00'
T = 73.83'
L = 144.96'
E = 8.67'
P.C. STA. = 20+00.00
P.T. STA. = 21+44.96

PROP. \odot MAIN CAMPGROUND
CURVE-2 DATA
PI STA. = 22+55.52
 Δ = 39° 20' 11" (LT)
D = 42° 26' 29"
R = 135.00'
T = 48.25'
L = 92.68'
E = 8.36'
P.C. STA. = 22+07.26
P.C.C. STA. = 22+99.95

PROP. \odot MAIN CAMPGROUND
CURVE-3 DATA
PI STA. = 23+78.60
 Δ = 6° 25' 51" (LT)
D = 4° 05' 33"
R = 1,400.00'
T = 78.65'
L = 157.14'
E = 2.21'
P.C.C. STA. = 22+99.95
P.R.C. STA. = 24+57.09

PROP. \odot MAIN CAMPGROUND
CURVE-4 DATA
PI STA. = 25+04.09
 Δ = 34° 47' 45" (RT)
D = 38° 11' 50"
R = 150.00'
T = 47.00'
L = 91.10'
E = 7.19'
P.R.C. STA. = 24+57.09
P.T. STA. = 25+48.18

PROP. \odot MAIN CAMPGROUND
CURVE-5 DATA
PI STA. = 27+69.59
 Δ = 31° 19' 38" (LT)
D = 12° 43' 57"
R = 450.00'
T = 126.18'
L = 246.04'
E = 17.36'
P.C. STA. = 26+43.41
P.T. STA. = 28+89.46

MAIN CAMPGROUND COORDINATE DATA

P.C. STA. = 20+00.00
N: 1711358.419
E: 2448345.602

P.T. STA. = 21+44.96
N: 1711280.453
E: 2448466.249

P.C. STA. = 22+07.26
N: 1711259.681
E: 2448524.985

P.C.C. STA. = 22+99.95
N: 1711259.986
E: 2448615.859

P.R.C. STA. = 24+57.09
N: 1711321.545
E: 2448760.347

P.T. STA. = 25+48.18
N: 1711335.413
E: 2448848.970

P.C. STA. = 26+43.41
N: 1711321.330
E: 2448943.155

P.T. STA. = 28+89.46
N: 1711351.614
E: 2449184.251

EQUESTRIAN CAMPGROUND CURVE DATA

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-1 DATA
PI STA. = 50+59.14
 Δ = 10° 48' 37" (LT)
D = 9° 10' 02"
R = 625.00'
T = 59.14'
L = 117.92'
E = 2.79'
P.C. STA. = 50+00.00
P.C.C. STA. = 51+17.92

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-2 DATA
PI STA. = 52+09.94
 Δ = 27° 34' 28" (LT)
D = 15° 16' 44"
R = 375.00'
T = 92.02'
L = 180.47'
E = 11.13'
P.C.C. STA. = 51+17.92
P.T. STA. = 52+98.39

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-3 DATA
PI STA. = 54+56.41
 Δ = 9° 43' 39" (LT)
D = 5° 43' 46"
R = 1,000.00'
T = 85.09'
L = 169.78'
E = 3.61'
P.C. STA. = 53+71.32
P.C.C. STA. = 55+41.09

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-4 DATA
PI STA. = 56+20.59
 Δ = 39° 08' 53" (LT)
D = 25° 37' 39"
R = 223.57'
T = 79.50'
L = 152.76'
E = 13.71'
P.C.C. STA. = 55+41.09
P.C.C. STA. = 56+93.85

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-5 DATA
PI STA. = 58+53.75
 Δ = 37° 57' 12" (LT)
D = 12° 19' 18"
R = 465.00'
T = 159.90'
L = 308.02'
E = 26.72'
P.C.C. STA. = 56+93.85
P.C.C. STA. = 60+01.87

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-6 DATA
PI STA. = 60+31.54
 Δ = 1° 42' 00" (LT)
D = 2° 51' 53"
R = 2,000.00'
T = 29.67'
L = 59.34'
E = 0.22'
P.C.C. STA. = 60+01.87
P.C.C. STA. = 60+61.21

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-7 DATA
PI STA. = 61+51.00
 Δ = 27° 38' 22" (LT)
D = 15° 41' 51"
R = 365.00'
T = 89.79'
L = 176.08'
E = 10.88'
P.C.C. STA. = 60+61.21
P.C.C. STA. = 62+37.29

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-8 DATA
PI STA. = 63+77.34
 Δ = 34° 56' 20" (LT)
D = 12° 52' 32"
R = 445.00'
T = 140.05'
L = 271.36'
E = 21.52'
P.C.C. STA. = 62+37.29
P.T. STA. = 65+08.65

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-9 DATA
PI STA. = 67+54.21
 Δ = 33° 49' 01" (RT)
D = 19° 45' 26"
R = 290.00'
T = 88.16'
L = 171.16'
E = 13.10'
P.C. STA. = 66+66.06
P.T. STA. = 68+37.22

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-10 DATA
PI STA. = 71+19.13
 Δ = 10° 41' 09" (RT)
D = 9° 32' 57"
R = 600.00'
T = 56.11'
L = 111.90'
E = 2.62'
P.C. STA. = 70+63.01
P.T. STA. = 71+74.92

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-11 DATA
PI STA. = 73+59.78
 Δ = 8° 55' 37" (RT)
D = 5° 43' 46"
R = 1,000.00'
T = 78.06'
L = 155.81'
E = 3.04'
P.C. STA. = 72+81.72
P.T. STA. = 74+37.53

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-12 DATA
PI STA. = 76+23.75
 Δ = 1° 57' 16" (LT)
D = 1° 54' 35"
R = 3,000.00'
T = 51.17'
L = 102.34'
E = 0.44'
P.C. STA. = 75+72.57
P.T. STA. = 76+74.91

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-13 DATA
PI STA. = 79+12.62
 Δ = 11° 24' 52" (RT)
D = 7° 09' 43"
R = 800.00'
T = 79.95'
L = 159.37'
E = 3.99'
P.C. STA. = 78+32.67
P.R.C. STA. = 79+92.04

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-14 DATA
PI STA. = 80+28.45
 Δ = 84° 37' 25" (LT)
D = 143° 14' 22"
R = 40.00'
T = 36.41'
L = 59.08'
E = 14.09'
P.R.C. STA. = 79+92.04
P.T. STA. = 80+51.12

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-15 DATA
PI STA. = 81+19.32
 Δ = 80° 42' 59" (LT)
D = 163° 42' 08"
R = 35.00'
T = 29.74'
L = 49.31'
E = 10.93'
P.C. STA. = 80+89.58
P.R.C. STA. = 81+38.88

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-16 DATA
PI STA. = 81+98.78
 Δ = 11° 24' 07" (RT)
D = 9° 32' 57"
R = 600.00'
T = 59.90'
L = 119.40'
E = 2.98'
P.R.C. STA. = 81+38.88
P.T. STA. = 82+58.28

PROP. \odot EQUESTRIAN
CAMPGROUND CURVE-17 DATA
PI STA. = 83+47.79
 Δ = 66° 01' 37" (RT)
D = 104° 10' 27"
R = 55.00'
T = 35.74'
L = 63.38'
E = 10.59'
P.C. STA. = 83+12.06
P.T. STA. = 83+75.44

EQUESTRIAN CAMPGROUND COORDINATE DATA

P.C. STA. = 50+00.00
N: 1711358.419
E: 2448345.602

P.C.C. STA. = 51+17.92
N: 1711257.078
E: 2448285.651

P.T. STA. = 52+98.39
N: 1711081.877
E: 2448250.275

P.C. STA. = 53+71.32
N: 1711009.018
E: 2448253.293

P.C.C. STA. = 55+41.09
N: 1710840.795
E: 2448274.650

P.C.C. STA. = 56+93.85
N: 1710713.304
E: 2448353.307

P.C.C. STA. = 60+01.87
N: 1710610.980
E: 2448637.892

P.C.C. STA. = 60+61.21
N: 1710611.033
E: 2448697.229

P.C.C. STA. = 62+37.29
N: 1710655.341
E: 2448865.880

P.T. STA. = 65+08.65
N: 1710847.562
E: 2449051.444

P.C. STA. = 66+66.06
N: 1710988.404
E: 2449121.730

EQUESTRIAN CAMPGROUND COORDINATE DATA

P.T. STA. = 68+37.22
N: 1711110.910
E: 2449237.698

P.C. STA. = 70+63.01
N: 1711222.652
E: 2449433.905

P.T. STA. = 71+74.92
N: 1711268.669
E: 2449535.730

P.C. STA. = 72+81.72
N: 1711303.399
E: 2449636.732

P.T. STA. = 74+37.53
N: 1711342.404
E: 2449787.414

P.C. STA. = 75+72.57
N: 1711365.968
E: 2449920.387

P.T. STA. = 76+74.91
N: 1711385.540
E: 2450020.832

P.C. STA. = 78+32.67
N: 1711418.349
E: 2450175.138

P.R.C. STA. = 79+92.04
N: 1711435.799
E: 2450333.289

P.T. STA. = 80+51.12
N: 1711472.459
E: 2450372.738

P.C. STA. = 80+89.58
N: 1711510.781
E: 2450375.947

P.R.C. STA. = 81+38.88
N: 1711547.652
E: 2450349.579

P.T. STA. = 82+58.28
N: 1711587.976
E: 2450237.402

P.C. STA. = 83+12.06
N: 1711611.103
E: 2450188.855

P.T. STA. = 83+75.44
N: 1711662.196
E: 2450157.529

NOTES:

- HORIZONTAL CONTROL IS BASED ON ILLINOIS STATE PLANE COORDINATE WEST ZONE NAD 83.
- VERTICAL CONTROL IS BASED ON NAVD 88.

FILE NAME = L:\DOT\106610\W0.4\Draw\CADD_Sheets\46211-sh1-A1B_003.dgn	USER NAME = OpenHAB Springfield	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES AND BENCHMARKS IDNR HENNEPIN CANAL LOCK 21 PARK SITE	F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100.0000' / IN.	CHECKED - BJD	REVISED -	SCALE:			SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	BUREAU	28	10
PLOT DATE = 3/29/2012	DATE - 3/30/12	REVISED -	CONTRACT NO. 46211								
							ILLINOIS FED. AID PROJECT				