

EXISTING SE RAMP

Chain SE_RAMP contains:
 CUR 1290 CUR 1300 CUR 1310 CUR 1320 CUR 1330

Beginning chain SE_RAMP description

Curve Data

Curve 1290

P.I. Station 24008+50.2267 N 2,023,586.3931 E 2,583,191.6928
 Delta = 68° 29' 42" (RT)
 Degree = 18° 44' 34"
 Tangent = 208.1212'
 Length = 365.4477'
 Radius = 305.6951'
 External = 64.1209'
 Long Chord = 344.0717'
 Mid. Ord. = 53.0033'
 P.C. Station 24006+42.1056 N 2,023,378.3269 E 2,583,186.9088
 P.T. Station 24010+07.5532 N 2,023,658.2153 E 2,583,387.0284
 C.C. N 2,023,371.3000 E 2,583,492.5231

Course from PT 1290 to PC 1300 N 69° 48' 44" E Dist 229.3863'

Curve Data

Curve 1300

P.I. Station 24013+57.0255 N 2,023,778.8174 E 2,583,715.0315
 Delta = 30° 31' 08" (LT)
 Degree = 13° 00' 59"
 Tangent = 120.0860'
 Length = 234.4664'
 Radius = 440.1848'
 External = 16.0863'
 Long Chord = 231.7044'
 Mid. Ord. = 15.5191'
 P.C. Station 24012+36.9395 N 2,023,737.3760 E 2,583,602.3228
 P.T. Station 24014+71.4059 N 2,023,871.7535 E 2,583,791.0809
 C.C. N 2,024,150.5188 E 2,583,450.4160

Course from PT 1300 to PC 1310 N 39° 17' 36" E Dist 235.3517'

Curve Data

Curve 1310

P.I. Station 24019+01.7709 N 2,024,204.8186 E 2,584,063.6273
 Delta = 48° 50' 17" (RT)
 Degree = 13° 20' 21"
 Tangent = 195.0132'
 Length = 366.1207'
 Radius = 429.5260'
 External = 42.1972'
 Long Chord = 355.1373'
 Mid. Ord. = 38.4225'
 P.C. Station 24017+06.7576 N 2,024,053.8953 E 2,583,940.1271
 P.T. Station 24020+72.8784 N 2,024,211.1777 E 2,584,258.5368
 C.C. N 2,023,781.8801 E 2,584,272.5430

Course from PT 1310 to PC 1320 N 88° 07' 53" E Dist 336.2671'

Curve Data

Curve 1320

P.I. Station 24025+98.9503 N 2,024,228.3321 E 2,584,784.3290
 Delta = 0° 44' 51" (RT)
 Degree = 0° 11' 49"
 Tangent = 189.8048'
 Length = 379.6041'
 Radius = 29,091.9130'
 External = 0.6192'
 Long Chord = 379.6014'
 Mid. Ord. = 0.6192'
 P.C. Station 24024+09.1455 N 2,024,222.1429 E 2,584,594.6251
 P.T. Station 24027+88.7496 N 2,024,232.0455 E 2,584,974.0974
 C.C. N 1,995,145.7009 E 2,585,543.2670

Curve Data

Curve 1330

P.I. Station 24028+85.9803 N 2,024,233.9478 E 2,585,071.3094
 Delta = 0° 57' 56" (LT)
 Degree = 0° 29' 48"
 Tangent = 97.2307'
 Length = 194.4567'
 Radius = 11,537.6738'
 External = 0.4097'
 Long Chord = 194.4544'
 Mid. Ord. = 0.4097'
 P.C. Station 24027+88.7496 N 2,024,232.0455 E 2,584,974.0974
 P.T. Station 24029+83.2063 N 2,024,237.4882 E 2,585,168.4756
 C.C. N 2,035,767.5109 E 2,584,748.3682

Ending chain SE_RAMP description

EXISTING NW RAMP

Chain NW_RAMP contains:
 40 CUR 1420 CUR 1430 CUR 1440 CUR 1450

Beginning chain NW_RAMP description

Point 40 N 2,025,504.7568 E 2,583,034.3436 Sta 26998+00.0000

Course from 40 to PC 1420 S 1° 48' 24" W Dist 228.7100'

Curve Data

Curve 1420

P.I. Station 27002+25.5132 N 2,025,079.4552 E 2,583,020.9277
 Delta = 57° 08' 12" (RT)
 Degree = 15° 51' 08"
 Tangent = 196.8032'
 Length = 360.4341'
 Radius = 361.4380'
 External = 50.1066'
 Long Chord = 345.6839'
 Mid. Ord. = 44.0060'
 P.C. Station 27000+28.7100 N 2,025,276.1605 E 2,583,027.1326
 P.T. Station 27003+89.1441 N 2,024,977.9274 E 2,582,852.3347
 C.C. N 2,025,287.5562 E 2,582,665.8743

Course from PT 1420 to PC 1430 S 58° 56' 36" W Dist 253.8658'

Curve Data

Curve 1430

P.I. Station 27007+50.3638 N 2,024,791.5796 E 2,582,542.8929
 Delta = 27° 00' 55" (LT)
 Degree = 12° 49' 15"
 Tangent = 107.3540'
 Length = 210.7153'
 Radius = 446.8967'
 External = 12.7135'
 Long Chord = 208.7688'
 Mid. Ord. = 12.3618'
 P.C. Station 27006+43.0099 N 2,024,846.9619 E 2,582,634.8585
 P.T. Station 27008+53.7252 N 2,024,700.4669 E 2,582,486.1184
 C.C. N 2,024,464.1243 E 2,582,865.4057

Course from PT 1430 to PC 1440 S 31° 55' 41" W Dist 236.9967'

Curve Data

Curve 1440

P.I. Station 27013+17.7341 N 2,024,306.6562 E 2,582,240.7260
 Delta = 56° 08' 45" (RT)
 Degree = 13° 27' 40"
 Tangent = 227.0122'
 Length = 417.0973'
 Radius = 425.6391'
 External = 56.7541'
 Long Chord = 400.6080'
 Mid. Ord. = 50.0769'
 P.C. Station 27010+90.7219 N 2,024,499.3246 E 2,582,360.7820
 P.T. Station 27015+07.8192 N 2,024,299.0264 E 2,582,013.8420
 C.C. N 2,024,724.4251 E 2,581,999.5363

Curve Data

Curve 1450

P.I. Station 27019+98.9480 N 2,024,282.5197 E 2,581,522.9906
 Delta = 14° 01' 03" (RT)
 Degree = 1° 26' 03"
 Tangent = 491.1288'
 Length = 977.3534'
 Radius = 3,994.8792'
 External = 30.0764'
 Long Chord = 974.9178'
 Mid. Ord. = 29.8516'
 P.C. Station 27015+07.8192 N 2,024,299.0264 E 2,582,013.8420
 P.T. Station 27024+85.1726 N 2,024,385.3976 E 2,581,042.7577
 C.C. N 2,028,291.6486 E 2,581,879.5749

Ending chain NW_RAMP description

PROPOSED SHELL ACCESS

Chain SHELL_ACC contains:
 50 51

Beginning chain SHELL_ACC description

Point 50 N 2,030,596.8702 E 2,582,988.2183 Sta 2000+00.0000

Course from 50 to 51 N 88° 51' 36" E Dist 300.0000'

Point 51 N 2,030,602.8394 E 2,583,288.1589 Sta 2003+00.0000

Ending chain SHELL_ACC description

FILE NAME = G:\2010\TRANS\B10T001\DCN\HVC\001500-HV.dgn	USER NAME = pstp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 742 (IL 2) HORIZONTAL AND VERTICAL CONTROL	F.A.P. RTE. 742	SECTION 34R	COUNTY WINNEBAGO	TOTAL SHEETS 491	SHEET NO. 56		
PLOT SCALE = 200.0000' / IN.	CHECKED -	REVISED -	SCALE: 1" = 200'			SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
PLOT DATE = 1/17/2012	DATE -	REVISED -										