

PROPOSED RAMP G

Chain PRAMPG contains:
70034 72200

Beginning chain PRAMPG description

Point 70034 N 2,023,679.6695 E 2,582,729.2901 Sta 26015+47.6100

Course from 70034 to 72200 S 66° 43' 04" E Dist 435.4762'

Point 72200 N 2,023,507.5427 E 2,583,129.3049 Sta 26019+83.0862

Ending chain PRAMPG description

PROPOSED RAMP H

Chain PRAMPH contains:
70031 70032 CUR 72210 70033

Beginning chain PRAMPH description

Point 70031 N 2,023,011.8214 E 2,583,191.1807 Sta 10+00.0000

Course from 70031 to 70032 N 1° 08' 24" W Dist 129.6367'

Point 70032 N 2,023,141.4324 E 2,583,188.6013 Sta 11+29.6367

Course from 70032 to PC 72210 N 2° 51' 36" E Dist 201.5244'

Curve Data

Curve 72210

P.I. Station 15+82.1950 N 2,023,593.4270 E 2,583,211.1811
Delta = 66° 53' 55" (RT)
Degree = 15° 04' 40"
Tangent = 251.0339'
Length = 443.6892'
Radius = 380.0000'
External = 75.4317'
Long Chord = 418.9119'
Mid. Ord. = 62.9382'

P.C. Station 13+31.1611 N 2,023,342.7058 E 2,583,198.6561
P.T. Station 17+74.8503 N 2,023,680.2787 E 2,583,446.7120
C.C. N 2,023,323.7462 E 2,583,578.1828

Course from PT 72210 to 70033 N 69° 45' 31" E Dist 165.7551'

Point 70033 N 2,023,737.6259 E 2,583,602.2306 Sta 19+40.6054

Ending chain PRAMPH description

EXISTING HARRISON AVENUE

Chain HARRISON contains:
28 1290 29

Beginning chain HARRISON description

Point 28 N 2,030,860.9919 E 2,581,624.3566 Sta 20+00.0000

Course from 28 to 1290 N 88° 22' 20" E Dist 1,306.1304'

Point 1290 N 2,030,898.0934 E 2,582,929.9600 Sta 33+06.1304

Course from 1290 to 29 N 88° 42' 02" E Dist 5,247.2171'

Point 29 N 2,031,017.0771 E 2,588,175.8279 Sta 85+53.3475

Ending chain HARRISON description

EXISTING SW RAMP

Chain SW_RAMP contains:
CUR 1370 CUR 1380 CUR 1390 CUR 1400 CUR 1410

Beginning chain SW_RAMP description

Curve Data

Curve 1370

P.I. Station 26002+11.7661 N 2,024,189.3778 E 2,581,561.2458
Delta = 8° 40' 57" (LT)
Degree = 2° 03' 14"
Tangent = 211.7661'
Length = 422.7214'
Radius = 2,789,5515'
External = 8,0265'
Long Chord = 422.3170'
Mid. Ord. = 8.0034'
P.C. Station 26000+00.0000 N 2,024,232.7401 E 2,581,353.9668
P.T. Station 26004+22.7214 N 2,024,177.8028 E 2,581,772.6953
C.C. N 2,026,963.1841 E 2,581,925.1695

Course from PT 1370 to PC 1380 N 86° 52' 02" W Dist 0.0000'

Curve Data

Curve 1380

P.I. Station 26005+27.6387 N 2,024,172.0681 E 2,581,877.4558
Delta = 1° 20' 23" (RT)
Degree = 0° 38' 19"
Tangent = 104.9173'
Length = 209.8250'
Radius = 8,973.4972'
External = 0.6133'
Long Chord = 209.8202'
Mid. Ord. = 0.6133'
P.C. Station 26004+22.7214 N 2,024,177.8028 E 2,581,772.6953
P.T. Station 26006+32.5464 N 2,024,163.8857 E 2,581,982.0535
C.C. N 2,015,217.7203 E 2,581,282.2127

Curve Data

Curve 1390

P.I. Station 26009+11.9570 N 2,024,142.0945 E 2,582,260.6131
Delta = 43° 44' 37" (RT)
Degree = 8° 13' 54"
Tangent = 279.4106'
Length = 531.4097'
Radius = 696.0447'
External = 53.9876'
Long Chord = 518.5971'
Mid. Ord. = 50.1016'
P.C. Station 26006+32.5464 N 2,024,163.8857 E 2,581,982.0535
P.T. Station 26011+63.9561 N 2,023,933.7464 E 2,582,446.7887
C.C. N 2,023,469.9610 E 2,581,927.7691

Course from PT 1390 to PC 1400 S 41° 47' 00" E Dist 189.5005'

Curve Data

Curve 1400

P.I. Station 26014+52.0967 N 2,023,718.8887 E 2,582,638.7813
Delta = 24° 56' 32" (LT)
Degree = 12° 50' 48"
Tangent = 98.6401'
Length = 194.1549'
Radius = 446.0000'
External = 10.7777'
Long Chord = 192.6254'
Mid. Ord. = 10.5234'
P.C. Station 26013+53.4566 N 2,023,792.4416 E 2,582,573.0558
P.T. Station 26015+47.6114 N 2,023,679.9125 E 2,582,729.3944
C.C. N 2,024,089.6184 E 2,582,905.6246

Course from PT 1400 to PC 1410 S 66° 43' 32" E Dist 189.4713'

Curve Data

Curve 1410

P.I. Station 26019+26.7463 N 2,023,530.1030 E 2,583,077.6764
Delta = 63° 43' 20" (RT)
Degree = 18° 46' 30"
Tangent = 189.6635'
Length = 339.3973'
Radius = 305.1693'
External = 54.1364'
Long Chord = 322.1741'
Mid. Ord. = 45.9797'
P.C. Station 26017+37.0828 N 2,023,605.0457 E 2,582,903.4471
P.T. Station 26020+76.4801 N 2,023,340.7000 E 2,583,087.6141
C.C. N 2,023,324.7102 E 2,582,782.8640

Ending chain SW_RAMP description

EXISTING SEMINOLE AVENUE

Chain SEMINOLE contains:
30 31

Beginning chain SEMINOLE description

Point 30 N 2,028,317.4447 E 2,583,033.5818 Sta 50+00.0000

Course from 30 to 31 N 88° 51' 36" E Dist 200.0000'

Point 31 N 2,028,321.4242 E 2,583,233.5422 Sta 52+00.0000

Ending chain SEMINOLE description

EXISTING PRAIRIE ROAD

Chain PRAIRIE contains:
40 CUR PRARIECURV1 43

Beginning chain PRAIRIE description

Point 40 N 2,031,201.5558 E 2,581,957.6096 Sta 0+00.0000

Course from 40 to PC PRARIECURV1 N 34° 16' 48" E Dist 651.8900'

Curve Data

Curve PRARIECURV1

P.I. Station 8+40.0037 N 2,031,895.6475 E 2,582,430.7300
Delta = 41° 14' 07" (RT)
Degree = 11° 27' 33"
Tangent = 188.1137'
Length = 359.8464'
Radius = 500.0000'
External = 34.2160'
Long Chord = 352.1305'
Mid. Ord. = 32.0245'
P.C. Station 6+51.8900 N 2,031,740.2099 E 2,582,324.7776
P.T. Station 10+11.7364 N 2,031,942.6989 E 2,582,612.8644
C.C. N 2,031,458.5918 E 2,582,737.9256

Course from PT PRARIECURV1 to 43 N 75° 34' 17" E Dist 127.1821'

Point 43 N 2,031,974.3893 E 2,582,736.0351 Sta 11+38.9185

Ending chain PRAIRIE description

FILE NAME = G:\2010\TRANS\B10T001\DRAW\HVC\001500-HV	USER NAME = petp	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. 55
		DRAWN -	REVISED -		SCALE: 1" = 200'	SHEET NO. OF	SHEETS	STA.	TO STA.	CONTRACT NO. 64515		
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									