

Beginning chain US52 description

Point 1243 N 1,977,225.2886 E 2,354,081.2810 Sta 656+42.75

Course from 1243 to 200 90° 30' 29.91" Dist 1,666.4568'

Point 200 N 1,977,210.5046 E 2,355,747.6722 Sta 673+09.20

Course from 200 to PC 210 90° 29' 40.56" Dist 3,902.2863'

Curve Data

Curve 210
P.I. Station 717+82.13 N 1,977,171.8929 E 2,360,220.4317
Delta = 1° 46' 31.69" (LT)
Degree = 0° 09' 20.09"
Tangent = 570.6399'
Length = 1,141.1884'
Radius = 36,827.0457'
External = 4.4208'
Long Chord = 1,141.1428'
Mid. Ord. = 4.4203'
P.C. Station 712+11.49 N 1,977,176.8189 E 2,359,649.8131
P.T. Station 723+52.68 N 1,977,184.6487 E 2,360,790.9290
C.C. N 2,014,002.4924 E 2,359,967.7152

Course from PT 210 to PC 220 88° 43' 08.87" Dist 2,622.6588'

Curve Data

Curve 220
P.I. Station 754+75.34 N 1,977,254.4511 E 2,363,912.8075
Delta = 0° 24' 48.93" (RT)
Degree = 0° 02' 28.89"
Tangent = 500.0000'
Length = 999.9957'
Radius = 138,531.3473'
External = 0.9023'
Long Chord = 999.9935'
Mid. Ord. = 0.9023'
P.C. Station 749+75.34 N 1,977,243.2744 E 2,363,412.9324
P.T. Station 759+75.33 N 1,977,262.0192 E 2,364,412.7502
C.C. N 1,838,746.5420 E 2,366,509.5943

Course from PT 220 to PC 230 89° 07' 57.81" Dist 3,405.9847'

Curve Data

Curve 230
P.I. Station 798+72.48 N 1,977,321.0075 E 2,368,309.4555
Delta = 1° 02' 02.83" (RT)
Degree = 0° 06' 18.99"
Tangent = 491.1670'
Length = 982.3074'
Radius = 54,425.0769'
External = 2.2163'
Long Chord = 982.2941'
Mid. Ord. = 2.2162'
P.C. Station 793+81.32 N 1,977,313.5731 E 2,367,818.3447
P.T. Station 803+63.62 N 1,977,319.5772 E 2,368,800.6205
C.C. N 1,922,894.7311 E 2,368,642.1359

Course from PT 230 to PC 240 90° 10' 00.64" Dist 1,495.6423'

Curve Data

Curve 240
P.I. Station 820+74.27 N 1,977,314.5959 E 2,370,511.2555
Delta = 3° 11' 50.88" (LT)
Degree = 0° 44' 37.64"
Tangent = 215.0000'
Length = 429.8884'
Radius = 7,703.2218'
External = 2.9998'
Long Chord = 429.8326'
Mid. Ord. = 2.9986'
P.C. Station 818+59.27 N 1,977,315.2219 E 2,370,296.2564
P.T. Station 822+89.15 N 1,977,325.9628 E 2,370,725.9548
C.C. N 1,985,018.4110 E 2,370,318.6880

Course from PT 240 to PC 250 86° 58' 09.76" Dist 1,998.2201'

Curve Data

Curve 250
P.I. Station 845+57.38 N 1,977,445.8829 E 2,372,991.0026
Delta = 5° 19' 40.40" (RT)
Degree = 0° 59' 14.49"
Tangent = 270.0000'
Length = 539.6108'
Radius = 5,802.9414'
External = 6.2779'
Long Chord = 539.4164'
Mid. Ord. = 6.2711'
P.C. Station 842+87.38 N 1,977,431.6081 E 2,372,721.3802
P.T. Station 848+26.99 N 1,977,435.0602 E 2,373,260.7856
C.C. N 1,971,636.7826 E 2,373,028.1798

Course from PT 250 to PC 260 92° 17' 50.16" Dist 5,590.6011'

Curve Data

Curve 260
P.I. Station 907+24.97 N 1,977,198.6446 E 2,379,154.0319
Delta = 15° 01' 44.97" (LT)
Degree = 2° 27' 31.65"
Tangent = 307.3853'
Length = 611.2416'
Radius = 2,330.2410'
External = 20.1864'
Long Chord = 609.4907'
Mid. Ord. = 20.0130'
P.C. Station 904+17.59 N 1,977,210.9659 E 2,378,846.8936
P.T. Station 910+28.83 N 1,977,266.3890 E 2,379,453.8592
C.C. N 1,979,539.3341 E 2,378,940.2993

Course from PT 260 to PC 270 77° 16' 05.19" Dist 551.3968'

Curve Data

Curve 270
P.I. Station 918+73.77 N 1,977,452.6050 E 2,380,278.0257
Delta = 11° 43' 11.31" (RT)
Degree = 2° 00' 11.68"
Tangent = 293.5451'
Length = 585.0417'
Radius = 2,860.1510'
External = 15.0242'
Long Chord = 584.0223'
Mid. Ord. = 14.9457'
P.C. Station 915+80.23 N 1,977,387.9109 E 2,379,991.6983
P.T. Station 921+65.27 N 1,977,457.7900 E 2,380,571.5250
C.C. N 1,974,598.0852 E 2,380,622.0446

Course from PT 270 to PC 280 88° 59' 16.50" Dist 6,091.2812'

Curve Data

Curve 280
P.I. Station 988+98.26 N 1,977,576.7168 E 2,387,303.4676
Delta = 1° 06' 23.77" (RT)
Degree = 0° 05' 10.41"
Tangent = 641.7119'
Length = 1,283.3839'
Radius = 66,448.7876'
External = 3.0985'
Long Chord = 1,283.3640'
Mid. Ord. = 3.0984'
P.C. Station 982+56.55 N 1,977,565.3821 E 2,386,661.8558
P.T. Station 995+39.93 N 1,977,575.6582 E 2,387,945.1787
C.C. N 1,911,126.9610 E 2,387,835.5601

Course from PT 280 to PC 290 90° 05' 40.27" Dist 658.3613'

Curve Data

Curve 290
P.I. Station 1006+98.29 N 1,977,573.7473 E 2,389,103.5384
Delta = 2° 48' 54.94" (LT)
Degree = 0° 16' 53.70"
Tangent = 500.0000'
Length = 999.7988'
Radius = 20,347.7627'
External = 6.1423'
Long Chord = 999.6982'
Mid. Ord. = 6.1404'
P.C. Station 1001+98.29 N 1,977,574.5721 E 2,388,603.5391
P.T. Station 1011+98.09 N 1,977,597.4813 E 2,389,602.9748
C.C. N 1,997,922.3071 E 2,388,637.1062

Course from PT 290 to 96 87° 16' 45.33" Dist 492.6826'

Point 96 N 1,977,620.8680 E 2,390,095.1020 Sta 1016+90.77

Ending chain US52 description

FILE NAME =	USER NAME = duncanfa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 52/L 64 HVC SHEETS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\nrc\pcts\p286108\286128hvc.dgn		DRAWN -	REVISED -		-17-	4RS-4	CARBOLL	35	18		
		CHECKED -	REVISED -		SCALE: _____ SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____		CONTRACT NO. 64E12		
		DATE -	REVISED -		FED. ROAD DIST. NO. -		ILLINOIS		FED. AID PROJECT		