



Beginning chain US52 description  
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Point 1243 N 1,977,225.2886 E 2,354,081.2810 Sta 656+42.7462  
 Course from 1243 to 200 90° 30' 29.9089" Dist 1,666.4568'  
 Point 200 N 1,977,210.5046 E 2,355,747.6722 Sta 673+09.2030  
 Course from 200 to PC 210 90° 29' 40.5622" Dist 3,902.2863'

Curve Data  
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**Curve 210**  
 P.I. Station 717+82.1291 N 1,977,171.8929 E 2,360,220.4317  
 Delta = 1° 46' 31.6887" (LT)  
 Degree = 0° 09' 20.0906"  
 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+11.4893 N 1,977,176.8189 E 2,359,649.8131  
 P.T. Station 723+52.6777 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' 08.8734" Dist 2,622.6588'

Curve Data  
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**Curve 220**  
 P.I. Station 754+75.3365 N 1,977,254.4511 E 2,363,912.8075  
 Delta = 0° 24' 48.9331" (RT)  
 Degree = 0° 02' 28.8940"  
 Tangent = 500.0000'  
 Length = 999.9957'  
 Radius = 138,531.3474'  
 External = 0.9023'  
 Long Chord = 999.9935'  
 Mid. Ord. = 0.9023'  
 P.C. Station 749+75.3365 N 1,977,243.2744 E 2,363,412.9324  
 P.T. Station 759+75.3321 N 1,977,262.0192 E 2,364,412.7502  
 C.C. N 1,838,746.5419 E 2,366,509.5943

Course from PT 220 to PC 230 89° 07' 57.8066" Dist 3,405.9847'

Curve Data  
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**Curve 230**  
 P.I. Station 798+72.4839 N 1,977,321.0075 E 2,368,309.4555  
 Delta = 1° 02' 02.8325" (RT)  
 Degree = 0° 06' 18.9885"  
 Tangent = 491.1670'  
 Length = 982.3074'  
 Radius = 54,425.0768'  
 External = 2.2163'  
 Long Chord = 982.2941'  
 Mid. Ord. = 2.2162'  
 P.C. Station 793+81.3169 N 1,977,313.5731 E 2,367,818.3447  
 P.T. Station 803+63.6243 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' 00.6390" Dist 1,495.6423'

Curve Data  
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**Curve 240**  
 P.I. Station 820+74.2665 N 1,977,314.5959 E 2,370,511.2555  
 Delta = 3° 11' 50.8781" (LT)  
 Degree = 0° 44' 37.6434"  
 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+59.2665 N 1,977,315.2219 E 2,370,296.2564  
 P.T. Station 822+89.1549 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' 09.7609" Dist 1,998.2201'

Curve Data  
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**Curve 250**  
 P.I. Station 845+57.3750 N 1,977,445.8829 E 2,372,991.0026  
 Delta = 5° 19' 40.3977" (RT)  
 Degree = 0° 59' 14.4872"  
 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+87.3750 N 1,977,431.6081 E 2,372,721.3802  
 P.T. Station 848+26.9859 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' 50.1586" Dist 5,590.6011'

Curve Data  
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**Curve 260**  
 P.I. Station 907+24.9723 N 1,977,198.6446 E 2,379,154.0319  
 Delta = 15° 01' 44.9717" (LT)  
 Degree = 2° 27' 31.6512"  
 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+17.5870 N 1,977,210.9659 E 2,378,846.8936  
 P.T. Station 910+28.8286 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' 05.1870" Dist 551.3968'

Curve Data  
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**Curve 270**  
 P.I. Station 918+73.7705 N 1,977,452.6050 E 2,380,278.0257  
 Delta = 11° 43' 11.3084" (RT)  
 Degree = 2° 00' 11.6753"  
 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+80.2254 N 1,977,387.9109 E 2,379,991.6983  
 P.T. Station 921+65.2671 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' 16.4954" Dist 6,091.2812'

Curve Data  
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**Curve 280**  
 P.I. Station 988+98.2602 N 1,977,576.7168 E 2,387,303.4676  
 Delta = 1° 06' 23.7737" (RT)  
 Degree = 0° 05' 10.4117"  
 Tangent = 641.7119'  
 Length = 1,283.3839'  
 Radius = 66,448.7877'  
 External = 3.0985'  
 Long Chord = 1,283.3640'  
 Mid. Ord. = 3.0984'  
 P.C. Station 982+56.5483 N 1,977,565.3821 E 2,386,661.8558  
 P.T. Station 995+39.9322 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' 40.2691" Dist 658.3613'

Curve Data  
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**Curve 290**  
 P.I. Station 1006+98.2935 N 1,977,573.7473 E 2,389,103.5384  
 Delta = 2° 48' 54.9376" (LT)  
 Degree = 0° 16' 53.6977"  
 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+98.2935 N 1,977,574.5721 E 2,388,603.5391  
 P.T. Station 1011+98.0923 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' 45.3315" Dist 492.6826'

Point 96 N 1,977,620.8680 E 2,390,095.1020 Sta 1016+90.7749

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 Ending chain US52 description

FILE NAME = c:\projects\p206807\d06807hvc.dgn	USER NAME = duncanfe	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>US 52/L 64 Horizontal &amp; Vertical Control</b>			F.A.P. RTE. 17	SECTION *	COUNTY CARROLL	TOTAL SHEETS 27	SHEET NO. 7
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO. 7 OF 27 SHEETS	STA.	TO STA.	CONTRACT NO. 64D28			
	PLOT DATE = Thu Jan 24 11:09:36 2008	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -		(4BR-2)D & (4BR-1)D							