

# PROPOSED HORIZONTAL CONTROL



Chain PUS20 contains:  
GA025323 CUR GA025310 CUR G1360 CUR GA025220 GA025210  
Beginning chain PUS20 description  
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Point GA025323 N 2,108,132.3396 E 2,215,881.2638 Sta 562+65.31  
Course from GA025323 to PC GA025310 S 87° 17' 40.54" E Dist 1,737.3773

Curve Data  
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Curve GA025310  
P.I. Station 580+35.97 N 2,108,048.7630 E 2,217,649.9550  
Delta = 0° 40' 09.11" (RT)  
Degree = 1° 00' 18.68"  
Tangent = 33.2875  
Length = 66.5743  
Radius = 5,700.0000  
External = 0.0972  
Long Chord = 66.5739  
Mid. Ord. = 0.0972  
P.C. Station 580+02.68 N 2,108,050.3342 E 2,217,616.7046  
P.T. Station 580+69.26 N 2,108,046.8036 E 2,217,683.1848  
C.C. N 2,102,356.6873 E 2,217,347.6608  
Back = S 87° 17' 40.54" E  
Ahead = S 86° 37' 31.43" E  
Chord Bear = S 86° 57' 35.99" E

Course from PT GA025310 to PC G1360 S 86° 37' 31.43" E Dist 144.2257

Curve Data  
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Curve G1360  
P.I. Station 587+11.26 N 2,108,009.0130 E 2,218,324.0710  
Delta = 86° 03' 24.26" (RT)  
Degree = 10° 44' 39.44"  
Tangent = 497.7737  
Length = 800.9533  
Radius = 533.2673  
External = 196.2206  
Long Chord = 727.7610  
Mid. Ord. = 143.4404  
P.C. Station 582+13.48 N 2,108,038.3139 E 2,217,827.1604  
P.T. Station 590+14.44 N 2,107,511.2638 E 2,218,329.0113  
C.C. N 2,107,505.9713 E 2,217,795.7703  
Back = S 86° 37' 31.43" E  
Ahead = S 0° 34' 07.17" E  
Chord Bear = S 43° 35' 49.30" E

Course from PT G1360 to PC GA025220 S 0° 34' 07.17" E Dist 339.7999

Curve Data  
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Curve GA025220  
P.I. Station 595+25.55 N 2,107,000.1770 E 2,218,334.0840  
Delta = 15° 23' 19.04" (LT)  
Degree = 4° 31' 06.94"  
Tangent = 171.3121  
Length = 340.5622  
Radius = 1,268.0000  
External = 11.5202  
Long Chord = 339.5395  
Mid. Ord. = 11.4164  
P.C. Station 593+54.24 N 2,107,171.4807 E 2,218,332.3838  
P.T. Station 596+94.80 N 2,106,835.4660 E 2,218,381.1812  
C.C. N 2,107,184.0654 E 2,219,600.3213  
Back = S 0° 34' 07.17" E  
Ahead = S 15° 57' 26.22" E  
Chord Bear = S 8° 15' 46.69" E

Course from PT GA025220 to GA025210 S 15° 57' 26.22" E Dist 1,458.8022

Point GA025210 N 2,105,432.8760 E 2,218,782.2360 Sta 611+53.60

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Ending chain PUS20 description

Chain PIL84CONN contains:  
70200 CUR 70210 70001  
Beginning chain PIL84CONN description  
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Point 70200 N 2,107,876.5604 E 2,218,179.2252 Sta 1374+46.50

Course from 70200 to PC 70210 N 30° 58' 39.02" E Dist 161.1461

Curve Data  
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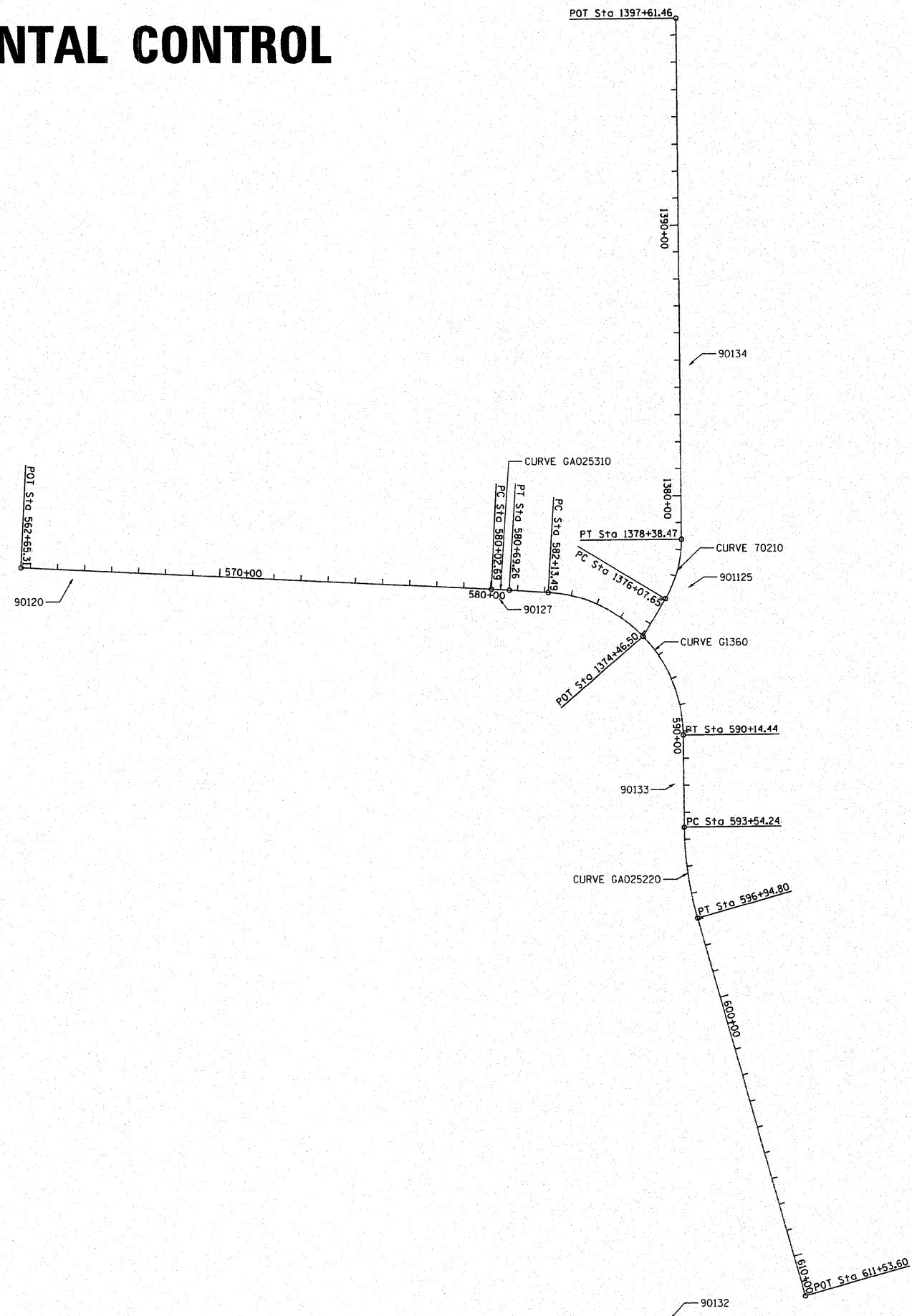
Curve 70210  
P.I. Station 1377+26.06 N 2,108,116.2432 E 2,218,323.1131  
Delta = 31° 29' 21.47" (LT)  
Degree = 13° 38' 30.67"  
Tangent = 118.4099  
Length = 230.8286  
Radius = 420.0000  
External = 16.3724  
Long Chord = 227.9345  
Mid. Ord. = 15.7582  
P.C. Station 1376+07.65 N 2,108,014.7222 E 2,218,262.1674  
P.T. Station 1378+38.48 N 2,108,234.6484 E 2,218,322.0555  
C.C. N 2,108,230.8968 E 2,217,902.0722  
Back = N 30° 58' 39.02" E  
Ahead = N 0° 30' 42.45" W  
Chord Bear = N 15° 13' 58.29" E

Course from PT 70210 to 70001 N 0° 30' 42.45" W Dist 1,922.9898

Point 70001 N 2,110,157.5615 E 2,218,304.8787 Sta 1397+61.47

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Ending chain PIL84CONN description



FILE NAME =	USER NAME = IDOTCAD	DESIGNED -	SPF	REVISED -		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HORIZONTAL AND VERTICAL CONTROL</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
W:\2298-03 - US 20 IL 84 Intersection\CAD Sheets\028108-sht-ATB.dgn		DRAWN -	AJP	REVISED -			SCALE: 1"=250'	SHEET NO. 01 OF 02 SHEETS	STA.	TO STA.	301	30-M-2	JoDAVISS	81	13
		CHECKED -	JMS	REVISED -							CONTRACT NO. 64E29				
		DATE -	01/23/09	REVISED -							FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			