

CHECK LEVELS				BENCH MARK LIST	
BM NO.	RUN 1	RUN 2	MEAN DIFF.	ADJ. DIFF.	PUB. ELEV.
CP 7402					726.49
TO	4.67-	4.68-	4.675-	4.68-	
BM#1					721.81
TO	3.88	3.90	3.885	3.89	
BM#2					725.70
TO	11.94	11.96	11.950	11.95	
BM#3					737.65
TO	6.35-	6.35-	6.350-	6.35-	
BM#4					731.30
TO	4.76-	4.76-	4.76-	4.75-	
CP 7400					726.55
TO	6.70	6.70	6.700	6.70	
BM#5					733.25
TO	9.46-	9.46-	9.460-	9.46-	
BM#6					723.79
TO	5.34	5.37	5.355	5.35	
BM#7					729.14
TO	9.00	9.00	9.000	9.00	
BM#8					738.14
TO	7.50-	7.62-	7.58-	7.60-	
BM#9					730.54
TO	3.47	3.46	3.465	3.46	
BM#10					734.00
TO	15.82	15.81	15.815	15.81	
BM#11					749.81
TO	9.42	9.39	9.405	9.40	
BM#12					759.21
TO	7.72-	7.70-	7.710-	7.71-	
BM#13					751.50
TO	16.24	16.24	16.240	16.24	
CP7401					767.74

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Project Name: Default
Description:
Horizontal Alignment Name: A001
Description: SURVEY CENTERLINE
Style: Centerline
STATION EASTING NORTHING

Element: Linear
POB (300) 100+00.00 2483453.2812 292097.8004
PC (301) 106+35.93 2483676.3796 292693.3091
Tangent Direction: N 20°32'15.75" E
Tangent Length: 635.93

Non-collinear

Element: Circular
PC (301) 106+35.93 2483676.3796 292693.3091
PI () 112+27.04 2483883.7557 293246.8491
CC (305) 2481887.9082 293363.3353
PT (306) 117+82.43 2483742.1823 293820.7551
Radius: 1909.86
Delta: 34°23'42.21" Left
Degree of Curvature(Arc): 3°00'00.00"
Length: 1146.50
Tangent: 591.11
Chord: 1129.36
Middle Ordinate: 85.39
External: 89.38
Tangent Direction: N 20°32'15.97" E
Radial Direction: S 69°27'44.03" E
Chord Direction: N 3°20'24.88" E
Radial Direction: N 76°08'33.76" E
Tangent Direction: N 13°51'26.24" W

Non-collinear

Element: Linear
PT (306) 117+82.43 2483742.1823 293820.7551
PC (307) 128+80.99 2483479.0742 294887.3393
Tangent Direction: N 13°51'26.02" W
Tangent Length: 1098.56

Non-collinear

Element: Circular
PC (307) 128+80.99 2483479.0742 294887.3393
PI () 131+93.84 2483404.1452 295191.0838
CC (309) 2486260.4852 295573.4698
PT (311) 135+04.22 2483396.5414 295503.8416
Radius: 2864.79
Delta: 12°27'52.57" Right
Degree of Curvature(Arc): 2°00'00.00"
Length: 623.23

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Project Name: Default
Description:
Horizontal Alignment Name: R001
Description:
Style: Present R/W
STATION EASTING NORTHING

Element: Linear
POB (7007) 0+00.00 2483240.4459 291387.1650
PI (7001) 5+46.53 2483432.1810 291898.9566
Tangent Direction: N 20°32'15.76" E
Tangent Length: 546.53

Element: Linear
PI (7001) 5+46.53 2483432.1810 291898.9566
POE (7009) 10+55.03 2483441.5235 291390.5386
Tangent Direction: S 1°03'09.85" E
Tangent Length: 508.50

Project Name: Default
Description:
Horizontal Alignment Name: R002
Description:
Style: Present R/W
STATION EASTING NORTHING

Element: Linear
POB (7006) -41+17.79 2483490.3981 291425.0299
PI (7003) -35+17.79 2483479.3745 292024.9286
Tangent Direction: N 1°03'09.85" W
Tangent Length: 600.00

Element: Linear
PI (7003) -35+17.79 2483479.3745 292024.9286
PC (7005) -28+22.78 2483723.2017 292675.7679
Tangent Direction: N 20°32'15.75" E
Tangent Length: 695.01

Non-collinear

Element: Circular
PC (7005) -28+22.78 2483723.2017 292675.7679
PI () -22+16.20 2483936.0069 293243.7995
CC (305) 2481887.9082 293363.3353
PT (7017) -16+46.26 2483790.7271 293832.7303
Radius: 1959.86
Delta: 34°23'42.21" Left
Degree of Curvature(Arc): 2°55'24.47"
Length: 1176.52
Tangent: 606.59
Chord: 1158.93
Middle Ordinate: 87.62
External: 91.72
Tangent Direction: N 20°32'15.97" E
Radial Direction: S 69°27'44.03" E
Chord Direction: N 3°20'24.88" E
Radial Direction: N 76°08'33.76" E
Tangent Direction: N 13°51'26.24" W

Non-collinear

Element: Linear
PT (7017) -16+46.26 2483790.7271 293832.7303
PI (7010) -9+77.66 2483630.5955 294481.8697
Tangent Direction: N 13°51'26.02" W
Tangent Length: 668.60

Element: Linear
PI (7010) -9+77.66 2483630.5955 294481.8697
PI (7023) -8+77.66 2483722.0511 294522.3156
Tangent Direction: N 66°08'33.98" E
Tangent Length: 100.00

R002

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Element: Linear
PI (7023) -8+77.66 2483722.0511 294522.3156
PI (7024) -8+27.66 2483710.0759 294570.8604
Tangent Direction: N 13°51'26.02" W
Tangent Length: 50.00

Element: Linear
PI (7024) -8+27.66 2483710.0759 294570.8604
PI (7025) -7+27.66 2483618.6203 294530.4145
Tangent Direction: S 66°08'33.98" W
Tangent Length: 100.00

Element: Linear
PI (7025) -7+27.66 2483618.6203 294530.4145
PC (7019) -3+47.71 2483527.6190 294899.3145
Tangent Direction: N 13°51'26.03" W
Tangent Length: 379.96

Non-collinear

Element: Circular
PC (7019) -3+47.71 2483527.6190 294899.3145
PI () -1+22.58 2483473.7003 295117.8882
CC (309) 2486260.4852 295573.4698
PT (7026) 1+01.59 2483455.2076 295342.2544
Radius: 2814.79
Delta: 9°08'43.97" Right
Degree of Curvature(Arc): 2°02'07.89"
Length: 449.30
Tangent: 225.13
Chord: 448.82
Middle Ordinate: 8.96
External: 8.99
Tangent Direction: N 13°51'26.30" W
Radial Direction: N 76°08'33.70" E
Chord Direction: N 9°17'04.28" W
Radial Direction: N 85°17'17.67" E
Tangent Direction: N 4°42'42.33" W

Non-collinear

Element: Linear
PT (7026) 1+01.59 2483455.2076 295342.2544
POE (7027) 6+01.59 2483955.1325 295350.9218
Tangent Direction: N 89°00'24.25" E
Tangent Length: 500.00