

RAMP A

Curve Data

Curve RAMPA-1  
P.I. Station = 10+86.91 N  
Delta = 1° 50' 10" (RT) 1,838,945.61 E 1,183,175.54  
Degree = 1° 03' 23"  
Tangent = 86.91  
Length = 173.80  
Radius = 5,423.64  
External = 0.70  
Long Chord = 173.79  
Mid. Ord. = 0.70  
P.C. Station = 10+00.00 N 1,838,942.81 E 1,183,088.67  
P.T. Station = 11+73.80 N 1,838,945.62 E 1,183,262.44  
C.C. = N 1,833,521.99 E 1,183,263.47  
Back = N 88° 09' 11" E  
Ahead = N 89° 59' 21" E  
Chord Bear = N 89° 04' 16" E

Curve Data

Curve RAMPA-2  
P.I. Station = 13+46.20 N  
Delta = 15° 42' 43" (RT) 1,838,942.62 E 1,183,434.81  
Degree = 4° 35' 08"  
Tangent = 172.40  
Length = 342.63  
Radius = 1,249.47  
External = 11.84  
Long Chord = 341.56  
Mid. Ord. = 11.73  
P.C. Station = 11+73.80 N 1,838,945.62 E 1,183,262.44  
P.T. Station = 15+16.43 N 1,838,893.05 E 1,183,599.93  
C.C. = N 1,837,696.35 E 1,183,240.66  
Back = S 89° 00' 04" E  
Ahead = S 73° 17' 21" E  
Chord Bear = S 81° 08' 43" E

Curve Data

Curve RAMPA-3  
P.I. Station = 16+20.87 N  
Delta = 5° 33' 47" (RT) 1,838,864.17 E 1,183,700.30  
Degree = 2° 39' 56"  
Tangent = 104.43  
Length = 208.70  
Radius = 2,149.47  
External = 2.54  
Long Chord = 208.62  
Mid. Ord. = 2.53  
P.C. Station = 15+16.43 N 1,838,893.05 E 1,183,599.93  
P.T. Station = 17+25.14 N 1,838,825.71 E 1,183,797.39  
C.C. = N 1,836,827.35 E 1,183,005.69  
Back = S 73° 57' 04" E  
Ahead = S 68° 23' 16" E  
Chord Bear = S 71° 10' 10" E

Course from PT RAMPA-3 to PC RAMPA-4 S 69° 51' 45" E Dist 86.09

Curve Data

Curve RAMPA-4  
P.I. Station = 19+82.83 N  
Delta = 16° 05' 46" (LT) 1,838,736.49 E 1,184,039.14  
Degree = 4° 43' 16"  
Tangent = 171.60  
Length = 340.94  
Radius = 1,213.61  
External = 12.07  
Long Chord = 339.82  
Mid. Ord. = 11.95  
P.C. Station = 18+11.23 N 1,838,796.07 E 1,183,878.22  
P.T. Station = 21+52.17 N 1,838,723.86 E 1,184,210.28  
C.C. = N 1,839,934.18 E 1,184,299.58  
Back = S 69° 41' 02" E  
Ahead = S 85° 46' 48" E  
Chord Bear = S 77° 43' 55" E

Curve Data

Curve RAMPA-5  
P.I. Station = 23+38.73 N  
Delta = 15° 37' 28" (LT) 1,838,711.07 E 1,184,396.40  
Degree = 4° 12' 49"  
Tangent = 186.56  
Length = 370.81  
Radius = 1,359.80  
External = 12.74  
Long Chord = 369.67  
Mid. Ord. = 12.62  
P.C. Station = 21+52.17 N 1,838,723.86 E 1,184,210.28  
P.T. Station = 25+22.98 N 1,838,748.88 E 1,184,579.10  
C.C. = N 1,840,080.46 E 1,184,303.51  
Back = S 86° 04' 06" E  
Ahead = N 78° 18' 25" E  
Chord Bear = N 86° 07' 10" E

Curve Data

Curve RAMPA-6  
P.I. Station = 25+97.58 N  
Delta = 2° 37' 45" (LT) 1,838,764.26 E 1,184,652.09  
Degree = 1° 45' 45"  
Tangent = 74.60  
Length = 149.17  
Radius = 3,250.84  
External = 0.86  
Long Chord = 149.16  
Mid. Ord. = 0.86  
P.C. Station = 25+22.98 N 1,838,748.88 E 1,184,579.10  
P.T. Station = 26+72.15 N 1,838,782.97 E 1,184,724.30  
C.C. = N 1,841,929.90 E 1,183,908.96  
Back = N 78° 06' 13" E  
Ahead = N 75° 28' 28" E  
Chord Bear = N 76° 47' 20" E

Course from PT RAMPA-6 to PC RAMPA-7 N 75° 28' 28" E Dist 447.28

Curve Data

Curve RAMPA-7  
P.I. Station = 35+65.51 N  
Delta = 13° 03' 10" (RT) 1,839,007.03 E 1,185,589.11  
Degree = 1° 28' 10"  
Tangent = 446.08  
Length = 888.29  
Radius = 3,899.23  
External = 25.43  
Long Chord = 886.38  
Mid. Ord. = 25.27  
P.C. Station = 31+19.44 N 1,838,895.15 E 1,185,157.29  
P.T. Station = 40+07.73 N 1,839,018.50 E 1,186,035.04  
C.C. = N 1,835,120.56 E 1,186,135.26  
Back = N 75° 28' 28" E  
Ahead = N 88° 31' 38" E  
Chord Bear = N 82° 00' 03" E

Course from PT RAMPA-7 to RA2 N 88° 10' 27" E Dist 898.04

Point RA2 N 1,839,047.11 E 1,186,932.62 Sta 49+05.77

Course from RA2 to RA3 N 88° 17' 14" E Dist 268.37

Point RA3 N 1,839,055.13 E 1,187,200.87 Sta 51+74.13

Course from RA3 to PC RAMPA-8 N 88° 08' 54" E Dist 669.27