

Profile PVI Station & Curve Report

Client:

Client

Client Company

Address 1

Date: 11/9/2023 8:18:17 PM

Prepared by:

Preparer

Your Company Name

123 Main Street

Vertical Alignment: Design Profile

Description:

Station Range: Start: 21+000.00, End: 21+966.27

| PVI | Station | Grade Out | Curve Length |
|--|-----------|-----------|--------------|
| 0.00 | 21+000.00 | 0.51% | |
| 1.00 | 21+180.00 | 4.23% | 111.675m |
| Vertical Curve Information:(sag curve) ----- <div> PVC Station: 21+124.16 Elevation: 220.948m PVI Station: 21+180.00 Elevation: 221.234m PVT Station: 21+235.84 Elevation: 223.598m Low Point: 21+124.16 Elevation: 220.948m Grade in: 0.51% Grade out: 4.23% Change: 3.72% K: 30.00000000000023 Curve Length: 111.675m Headlight Distance: 206.300m </div> | | | |
| 2.00 | 21+405.00 | -2.75% | 244.612m |
| Vertical Curve Information:(crest curve) ----- <div> PVC Station: 21+282.69 Elevation: 225.582m PVI Station: 21+405.00 Elevation: 230.761m PVT Station: 21+527.31 Elevation: 227.392m High Point: 21+430.90 Elevation: 228.720m Grade in: 4.23% Grade out: -2.75% Change: 6.99% K: 35.00000000000003 Curve Length: 244.612m Passing Distance: 343.565m Stopping Distance: 215.686m </div> | | | |
| 3.00 | 21+700.00 | -0.83% | 57.792m |
| Vertical Curve Information:(sag curve) ----- <div> PVC Station: 21+671.10 Elevation: 223.432m PVI Station: 21+700.00 Elevation: 222.636m </div> | | | |

| | | | |
|---------------------|------------|------------|-------------------|
| PVT Station: | 21+728.90 | Elevation: | 222.396m |
| Low Point: | 21+728.90 | Elevation: | 222.396m |
| Grade in: | -2.75% | Grade out: | -0.83% |
| Change: | 1.93% | K: | 30.00000000000059 |
| Curve Length: | 57.792m | | |
| Headlight Distance: | 1,413.228m | | |