## VERTICAL ALIGNMENT TABLE

| ELEMENT | POINT TYPE | STATION | ELEVATION | LENGTH | ENTRANCE GRADE | EXIT GRADE | K | MIDDLE ORDINATE | SSD/HSD | DESIGN SPEED |
|---|---|---|---|---|---|---|---|---|---|---|
| STOCKBRIDGE VT. ROUTE 107 | | | | | | | | | | |
| LINEAR | PVT | 328+70.00 | 597.66 | 31.00 | -2.3000% | | | | | 50 |
| | POT | 329+00.00 | 596.97 | | | | | | | |
| | PVC | 329+01.00 | 596.95 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | 329+01.00 | 596.95 | 100.00 | -2.3000% | -1.5000% | 125 | 0.1 | 532 | 50 |
| | POC | 329+50.00 | 595.92 | | | | | | | |
| | PVI | 329+51.00 | 595.80 | | | | | | | |
| | POC | 330+00.00 | 595.06 | | | | | | | |
| | PVRC | 330+01.00 | 595.05 | | | | | | | |
| SYMMETRICAL PARABOLA | PVRC | 330+01.00 | 595.05 | 100.00 | -1.5000% | -1.7000% | 500 | -0.03 | 5445 | 50 |
| | POC | 330+50.00 | 594.29 | | | | | | | |
| | PVI | 330+51.00 | 594.30 | | | | | | | |
| | POC | 331+00.00 | 593.47 | | | | | | | |
| | PVT | 331+01.00 | 593.45 | | | | | | | |
| LINEAR | PVT | 331+01.00 | 593.45 | 72.00 | -1.7000% | | | | | 50 |
| | POT | 331+50.00 | 592.62 | | | | | | | |
| | PVC | 331+73.00 | 592.22 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | 331+73.00 | 592.22 | 100.00 | -1.7000% | -0.3400% | 74 | 0.17 | 343 | 50 |
| | POC | 332+00.00 | 591.81 | | | | | | | |
| | PVI | 332+23.00 | 591.37 | | | | | | | |
| | POC | 332+50.00 | 591.32 | | | | | | | |
| | PVT | 332+73.00 | 591.20 | | | | | | | |
| LINEAR | PVT | 332+73.00 | 591.20 | 246.00 | -0.3400% | | | | | 50 |
| | POT | 333+00.00 | 591.11 | | | | | | | |
| | POT | 333+50.00 | 590.94 | | | | | | | |
| | POT | 334+00.00 | 590.77 | | | | | | | |
| | POT | 334+50.00 | 590.60 | | | | | | | |
| | POT | 335+00.00 | 590.43 | | | | | | | |
| | PVC | 335+19.00 | 590.37 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | 335+19.00 | 590.37 | 150.00 | -0.3400% | 0.1100% | 333 | 0.08 | 1272 | 50 |
| | POC | 335+50.00 | 590.28 | | | | | | | |
| | PVI | 335+94.00 | 590.11 | | | | | | | |
| | POC | 336+00.00 | 590.19 | | | | | | | |
| | VLOW | 336+32.33 | 590.18 | | | | | | | |
| | POC | 336+50.00 | 590.18 | | | | | | | |
| | PVT | 336+69.00 | 590.20 | | | | | | | |
| LINEAR | PVT | 336+69.00 | 590.20 | 97.00 | 0.1100% | | | | | 50 |
| | POT | 337+00.00 | 590.23 | | | | | | | |
| | POT | 337+50.00 | 590.28 | | | | | | | |
| | PVC | 337+66.00 | 590.30 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | 337+66.00 | 590.30 | 100.00 | 0.1100% | -0.3200% | 233 | -0.05 | 2560 | 50 |
| | VHIGH | 337+91.58 | 590.32 | | | | | | | |
| | POC | 338+00.00 | 590.31 | | | | | | | |
| | PVI | 338+16.00 | 590.36 | | | | | | | |
| | POC | 338+50.00 | 590.24 | | | | | | | |
| | PVT | 338+66.00 | 590.20 | | | | | | | |
| LINEAR | PVT | 338+66.00 | 590.20 | 299.00 | -0.3200% | | | | | 50 |
| | POT | 339+00.00 | 590.09 | | | | | | | |
| | POT | 339+50.00 | 589.93 | | | | | | | |
| | POT | 340+00.00 | 589.77 | | | | | | | |
| | POT | 340+50.00 | 589.61 | | | | | | | |
| | POT | 341+00.00 | 589.45 | | | | | | | |
| | POT | 341+50.00 | 589.29 | | | | | | | |
| | PVC | 341+65.00 | 589.24 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | 341+65.00 | 589.24 | 150.00 | -0.3200% | 0.2400% | 268 | 0.11 | 1040 | 50 |
| | POC | 342+00.00 | 589.15 | | | | | | | |
| | PVI | 342+40.00 | 589.00 | | | | | | | |
| | POC | 342+50.00 | 589.10 | | | | | | | |
| | VLOW | 342+50.71 | 589.10 | | | | | | | |
| | POC | 343+00.00 | 589.15 | | | | | | | |
| | PVT | 343+15.00 | 589.18 | | | | | | | |

## VERTICAL ALIGNMENT TABLE

| ELEMENT | POINT TYPE | STATION | ELEVATION | LENGTH | ENTRANCE GRADE | EXIT GRADE | K | MIDDLE ORDINATE | SSD/HSD | DESIGN SPEED |
|---|---|---|---|---|---|---|---|---|---|---|
| STOCKBRIDGE VT. ROUTE 107 | | | | | | | | | | |
| LINEAR | PVT | 343+15.00 | 589.18 | 155.00 | 0.2400% | | | | | 50 |
| | POT | 343+50.00 | 589.26 | | | | | | | |
| | POT | 344+00.00 | 589.38 | | | | | | | |
| | POT | 344+50.00 | 589.50 | | | | | | | |
| | PVC | 344+70.00 | 589.55 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | 344+70.00 | 589.55 | 100.00 | 0.2400% | 0.4700% | 435 | 0.03 | 1629 | 50 |
| | POC | 345+00.00 | 589.63 | | | | | | | |
| | PVI | 345+20.00 | 589.67 | | | | | | | |
| | POC | 345+50.00 | 589.82 | | | | | | | |
| | PVRC | 345+70.00 | 589.91 | | | | | | | |
| SYMMETRICAL PARABOLA | PVRC | 345+70.00 | 589.91 | 170.00 | 0.4700% | -0.1907% | 257 | -0.14 | 1718 | 50 |
| | POC | 346+00.00 | 590.03 | | | | | | | |
| | POC | 346+50.00 | 590.16 | | | | | | | |
| | PVI | 346+55.00 | 590.31 | | | | | | | |
| | VHIGH | 346+90.94 | 590.19 | | | | | | | |
| | POC | 347+00.00 | 590.19 | | | | | | | |
| | PVT | 347+40.00 | 590.14 | | | | | | | |
| LINEAR | PVT | 347+40.00 | 590.14 | 344.48 | -0.1907% | | | | | 50 |
| | POT | 347+50.00 | 590.13 | | | | | | | |
| | POT | 348+00.00 | 590.03 | | | | | | | |
| | POT | 348+50.00 | 589.94 | | | | | | | |
| | POT | 349+00.00 | 589.84 | | | | | | | |
| | POT | 349+50.00 | 589.74 | | | | | | | |
| | POT | 350+00.00 | 589.65 | | | | | | | |
| | POT | 350+50.00 | 589.55 | | | | | | | |
| | PVC | 350+84.48 | 589.49 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | 350+84.48 | 589.49 | 300.00 | -0.1907% | -0.7546% | 532 | -0.21 | 2063 | 50 |
| | POC | 351+00.00 | 589.46 | | | | | | | |
| | POC | 351+50.00 | 589.32 | | | | | | | |
| | POC | 352+00.00 | 589.14 | | | | | | | |
| | PVI | 352+34.48 | 589.20 | | | | | | | |
| | POC | 352+50.00 | 588.91 | | | | | | | |
| | POC | 353+00.00 | 588.64 | | | | | | | |
| | POC | 353+50.00 | 588.32 | | | | | | | |
| | PVT | 353+84.48 | 588.07 | | | | | | | |
| LINEAR | PVT | 353+84.48 | 588.07 | 0.00 | -0.7546% | | | | | 50 |
| | POE | 353+84.48 | 588.07 | | | | | | | |
| BETHEL VT. ROUTE 107 | | | | | | | | | | |
| LINEAR | POB | B 0+00.00 | 588.07 | 0.00 | -0.7546% | | | | | 50 |
| | PVC | B 0+00.00 | 588.07 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | B 0+00.00 | 588.07 | 500.00 | -0.7546% | -1.0489% | 1699 | -0.18 | 3916 | 50 |
| | POC | B 0+50.00 | 587.69 | | | | | | | |
| | POC | B 1+00.00 | 587.29 | | | | | | | |
| | POC | B 1+50.00 | 586.87 | | | | | | | |
| | POC | B 2+00.00 | 586.44 | | | | | | | |
| | POC | B 2+50.00 | 586.00 | | | | | | | |
| | PVI | B 2+50.00 | 586.18 | | | | | | | |
| | POC | B 3+00.00 | 585.54 | | | | | | | |
| | POC | B 3+50.00 | 585.07 | | | | | | | |
| | POC | B 4+00.00 | 584.58 | | | | | | | |
| | POC | B 4+50.00 | 584.08 | | | | | | | |
| | POC | B 5+00.00 | 583.56 | | | | | | | |
| | PVT | B 5+00.00 | 583.56 | | | | | | | |

**VERTICAL ALIGNMENT TABLE SHEET #10**

PROJECT NAME: STOCKBRIDGE-BETHEL

PROJECT NUMBER: STP 2910(11)

FILE NAME: z10b214_vat_10.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: L.M.B.
IPARM FILE: z10b214vat10.i

PLOT DATE: 3/17/2014
DRAWN BY: W.G.P.
CHECKED BY: J.P.S.
SHEET 205 OF 397

FILE NAME = V:\Projects\ANY\K2\22426\CADD_MSTN\z10b214_vat_10.dgn
DATE/TIME = 3/17/2014
USER = 4916