## VERTICAL ALIGNMENT TABLE

| ELEMENT | POINT TYPE | STATION | ELEVATION | LENGTH | ENTRANCE GRADE | EXIT GRADE | K | MIDDLE ORDINATE | SSD/HSD | DESIGN SPEED |
|---|---|---|---|---|---|---|---|---|---|---|
| BETHEL VT. ROUTE 107 | | | | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | B 140+38.00 | 565.76 | 700.00 | -3.4200% | -0.1000% | 211 | 2.91 | 868 | 50 |
| | POC | B 140+50.00 | 565.35 | | | | | | | |
| | POC | B 141+00.00 | 563.73 | | | | | | | |
| | POC | B 141+50.00 | 562.23 | | | | | | | |
| | POC | B 142+00.00 | 560.84 | | | | | | | |
| | POC | B 142+50.00 | 559.58 | | | | | | | |
| | POC | B 143+00.00 | 558.43 | | | | | | | |
| | POC | B 143+50.00 | 557.40 | | | | | | | |
| | PVI | B 143+88.00 | 553.79 | | | | | | | |
| | POC | B 144+00.00 | 556.49 | | | | | | | |
| | POC | B 144+50.00 | 555.70 | | | | | | | |
| | POC | B 145+00.00 | 555.02 | | | | | | | |
| | POC | B 145+50.00 | 554.47 | | | | | | | |
| | POC | B 146+00.00 | 554.03 | | | | | | | |
| | POC | B 146+50.00 | 553.71 | | | | | | | |
| | POC | B 147+00.00 | 553.51 | | | | | | | |
| | PVT | B 147+38.00 | 553.44 | | | | | | | |
| LINEAR | PVT | B 147+38.00 | 553.44 | 327.00 | -0.1000% | | | | | 50 |
| | POT | B 147+50.00 | 553.43 | | | | | | | |
| | POT | B 148+00.00 | 553.38 | | | | | | | |
| | POT | B 148+50.00 | 553.33 | | | | | | | |
| | POT | B 149+00.00 | 553.28 | | | | | | | |
| | POT | B 149+50.00 | 553.23 | | | | | | | |
| | POT | B 150+00.00 | 553.18 | | | | | | | |
| | POT | B 150+50.00 | 553.13 | | | | | | | |
| | PVC | B 150+65.00 | 553.11 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | B 150+65.00 | 553.11 | 350.00 | -0.1000% | -1.3900% | 271 | -0.56 | 1012 | 50 |
| | POC | B 151+00.00 | 553.06 | | | | | | | |
| | POC | B 151+50.00 | 552.90 | | | | | | | |
| | POC | B 152+00.00 | 552.64 | | | | | | | |
| | PVI | B 152+40.00 | 552.94 | | | | | | | |
| | POC | B 152+50.00 | 552.30 | | | | | | | |
| | POC | B 153+00.00 | 551.86 | | | | | | | |
| | POC | B 153+50.00 | 551.33 | | | | | | | |
| | POC | B 154+00.00 | 550.71 | | | | | | | |
| | PVT | B 154+15.00 | 550.51 | | | | | | | |
| LINEAR | PVT | B 154+15.00 | 550.51 | 160.00 | -1.3900% | | | | | 50 |
| | POT | B 154+50.00 | 550.02 | | | | | | | |
| | POT | B 155+00.00 | 549.32 | | | | | | | |
| | POT | B 155+50.00 | 548.63 | | | | | | | |
| | PVC | B 155+75.00 | 548.28 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | B 155+75.00 | 548.28 | 100.00 | -1.3900% | 0.3500% | 57 | 0.22 | 283 | 50 |
| | POC | B 156+00.00 | 547.99 | | | | | | | |
| | PVI | B 156+25.00 | 547.59 | | | | | | | |
| | POC | B 156+50.00 | 547.73 | | | | | | | |
| | VLOW | B 156+54.89 | 547.73 | | | | | | | |
| | PVT | B 156+75.00 | 547.76 | | | | | | | |
| LINEAR | PVT | B 156+75.00 | 547.76 | 125.00 | 0.3500% | | | | | 50 |
| | POT | B 157+00.00 | 547.85 | | | | | | | |
| | POT | B 157+50.00 | 548.02 | | | | | | | |
| | PVC | B 158+00.00 | 548.20 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | B 158+00.00 | 548.20 | 250.00 | 0.3500% | -1.2900% | 152 | -0.51 | 783 | 50 |
| | POC | B 158+50.00 | 548.29 | | | | | | | |
| | VHIGH | B 158+53.35 | 548.29 | | | | | | | |
| | POC | B 159+00.00 | 548.22 | | | | | | | |
| | PVI | B 159+25.00 | 548.64 | | | | | | | |
| | POC | B 159+50.00 | 547.99 | | | | | | | |
| | POC | B 160+00.00 | 547.59 | | | | | | | |
| | PVT | B 160+50.00 | 547.02 | | | | | | | |

## VERTICAL ALIGNMENT TABLE

| ELEMENT | POINT TYPE | STATION | ELEVATION | LENGTH | ENTRANCE GRADE | EXIT GRADE | K | MIDDLE ORDINATE | SSD/HSD | DESIGN SPEED |
|---|---|---|---|---|---|---|---|---|---|---|
| BETHEL VT. ROUTE 107 | | | | | | | | | | |
| LINEAR | PVT | B 160+50.00 | 547.02 | 162.00 | -1.2900% | | | | | 50 |
| | POT | B 161+00.00 | 546.38 | | | | | | | |
| | POT | B 161+50.00 | 545.73 | | | | | | | |
| | POT | B 162+00.00 | 545.09 | | | | | | | |
| | PVC | B 162+12.00 | 544.93 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | B 162+12.00 | 544.93 | 250.00 | -1.2900% | 0.9912% | 110 | 0.71 | 913 | 50 |
| | POC | B 162+50.00 | 544.51 | | | | | | | |
| | POC | B 163+00.00 | 544.15 | | | | | | | |
| | PVI | B 163+37.00 | 543.32 | | | | | | | |
| | POC | B 163+50.00 | 544.02 | | | | | | | |
| | VLOW | B 163+53.37 | 544.02 | | | | | | | |
| | POC | B 164+00.00 | 544.12 | | | | | | | |
| | POC | B 164+50.00 | 544.45 | | | | | | | |
| | PVT | B 164+62.00 | 544.56 | | | | | | | |
| LINEAR | PVT | B 164+62.00 | 544.56 | 58.00 | 0.9912% | | | | | 50 |
| | POT | B 165+00.00 | 544.94 | | | | | | | |
| | PVC | B 165+20.00 | 545.14 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | B 165+20.00 | 545.14 | 250.00 | 0.9912% | -0.6829% | 149 | -0.52 | 770 | 50 |
| | POC | B 165+50.00 | 545.40 | | | | | | | |
| | POC | B 166+00.00 | 545.71 | | | | | | | |
| | PVI | B 166+45.00 | 546.38 | | | | | | | |
| | POC | B 166+50.00 | 545.86 | | | | | | | |
| | VHIGH | B 166+68.02 | 545.87 | | | | | | | |
| | POC | B 167+00.00 | 545.84 | | | | | | | |
| | POC | B 167+50.00 | 545.64 | | | | | | | |
| | PVCC | B 167+70.00 | 545.52 | | | | | | | |
| SYMMETRICAL PARABOLA | PVCC | B 167+70.00 | 545.52 | 100.00 | -0.6829% | -3.3540% | 37 | -0.33 | 454 | 50 |
| | POC | B 168+00.00 | 545.20 | | | | | | | |
| | PVI | B 168+20.00 | 545.18 | | | | | | | |
| | POC | B 168+50.00 | 544.12 | | | | | | | |
| | PVT | B 168+70.00 | 543.50 | | | | | | | |
| LINEAR | PVT | B 168+70.00 | 543.50 | 45.00 | -3.3540% | | | | | 50 |
| | POT | B 169+00.00 | 542.50 | | | | | | | |
| | PVC | B 169+15.00 | 541.99 | | | | | | | |
| SYMMETRICAL PARABOLA | PVC | B 169+15.00 | 541.99 | 70.00 | -3.3540% | -1.2652% | 34 | 0.18 | 806 | 50 |
| | POC | B 169+50.00 | 541.00 | | | | | | | |
| | PVI | B 169+50.00 | 540.82 | | | | | | | |
| | PVT | B 169+85.00 | 540.38 | | | | | | | |
| LINEAR | PVT | B 169+85.00 | 540.38 | 43.00 | -1.2652% | | | | | 50 |
| | POT | B 170+00.00 | 540.19 | | | | | | | |
| | POE | B 170+28.00 | 539.83 | | | | | | | |
| VT. ROUTE 100 | | | | | | | | | | |
| LINEAR | POB | V 10+00.00 | 749.98 | 11.00 | 3.5138% | | | | | 50 |
| | PVI | V 10+11.00 | 750.37 | | | | | | | |
| LINEAR | PVI | V 10+11.00 | 750.37 | 289.00 | -1.3720% | | | | | 50 |
| | POT | V 10+50.00 | 749.83 | | | | | | | |
| | POT | V 11+00.00 | 749.15 | | | | | | | |
| | POT | V 11+50.00 | 748.46 | | | | | | | |
| | POT | V 12+00.00 | 747.77 | | | | | | | |
| | POT | V 12+50.00 | 747.09 | | | | | | | |
| | POE | V 13+00.00 | 746.40 | | | | | | | |

**VERTICAL ALIGNMENT TABLE SHEET #15**

PROJECT NAME: STOCKBRIDGE-BETHEL
PROJECT NUMBER: STP 2910(1)

FILE NAME: z10b214_vat_15.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: L.M.B.
IPARM FILE: z10b214vat15.i

PLOT DATE: 3/17/2014
DRAWN BY: W.G.P.
CHECKED BY: J.P.S.
SHEET 210 OF 397

FILE NAME = V:\Projects\ANY\K2\22426\CADD_MSTN\z10b214_vat_15.dgn
DATE/TIME = 3/17/2014
USER = 4916