SOUTHBOUND ROADWAY

STAGE 2
STAGE 1 SUBGRADE ELEVATION 2.67' (2'-8") BELOW

# EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

| FED ROAD DIVISION NO | STATE | PROJECT NO | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | VT | 91-3(8)3 | 1988 | | |

Type cracked 12/4/88

| VC | % GRADE | STATION | GRADES ELEVATION ON TANGENT | GRADES ELEVATION ON V CURVES | CORR V.C. | DIST | TOTAL EXCAVATION EARTH AND ROCK AREA | TOTAL EXCAVATION EARTH AND ROCK CU YDS | ROCK EXCAVATION AREA | ROCK EXCAVATION CU YDS | EMBANKMENT AREA | EMBANKMENT CU YDS | BASE AREA | BASE CU YDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | -1.7759 % | 2480+00 | 752.59 | | | | | | | | 1055 | | | |
| | | | | | | 50 | | | | | | 1991 | | |
| | | +50 | 751.70 | | | | | | | | 1060 | | | |
| | | | | | | 50 | | | | | | 2005 | | |
| | | 2481 | 750.81 | | | | | | | | 1070 | | | |
| | | | | | | 50 | | | | | | 2001 | | |
| | | +50 | 749.92 | | | | | | | | 1091 | | | |
| | | | | | | 50 | | | | | | 2102 | | |
| | | 2482 | 749.04 | | | | | | | | 1212 | | C | - |
| | | | | | | 50 | | | | | | 2109 | R | - |
| | | +50 | 748.15 | | | | | | | | 1566 | | F | 19.901 |
| | | | | | | 50 | | | | | | 2007 | FAC | 1.25 |
| | | 2483 | 747.26 | | | | | | | | 1196 | | EX F | 24.955 |
| | | | | | | 50 | | | | | | 2015 | | |
| | | +50 | 746.37 | | | | | | | | 1030 | | | |
| | | | | | | 50 | | | | | | 1982 | | |
| | | 2484 | 745.48 | | | | | | | | 1254 | | | |
| | | | | | | 50 | | | | | | 1869 | | |
| | | +50 | 744.60 | | | | | | | | 980 | | | |
| | | | | | | 50 | | | | | | 1851 | | |
| | | 2485 | 743.71 | | | | | | | | 1018 | | | |
| | | | | | | 50 | | | | | | 1796 | | |
| | | +50 | 742.82 | | | | | | | | 921 | | | |
| | | | | | | 50 | | | | | | 1706 | | |
| | | 2486 | 741.93 | | | | | | | | 922 | | | |
| | | | | | | 50 | | | | | | 1652 | | |
| | | +50 | 741.04 | | | | | | | | 862 | | | |
| | | | | | | 50 | | | | | | 1525 | | |
| | | 2487 | 740.16 | | | | | | | | 692 | | C | .19 |
| | | | | | | 50 | | | | | | 1507 | R | |
| | | +50 | 739.27 | | | | | | | | 790 | | F | 12.826 |
| | | | | | | 50 | | | | | | 1267 | FAC | 1.25 |
| | | 2488 | 738.38 | | | | | | | | 626 | | EX F | 16.704 |
| | | | | | | 50 | | | | | | 1172 | | |
| | | +50 | 737.50 | | | | | | | | 597 | | | |
| | | | | | | 50 | | | | | | 1045 | | |
| | | 2489 | 736.60 | | | | | | | | 522 | | | |
| | | | | | | 50 | | | | | | 817 | | |
| | | +50 | 735.72 | | | | 0 | | | | 456 | | | |
| | | | | | | 50 | | 19 | | | | 545 | | |
| | | 2490 | 734.83 | 734.88 | +0.05 | | 70 | | | | 131 | | | |
| | | | | | | 50 | | 935 | | | | 121 | | |
| | | +50 | 733.94 | 734.13 | +0.19 | | 990 | | | | 0 | | | |
| | | | | | | 50 | | 1007 | | | | | | |
| | | 2491 | 733.05 | 733.48 | +0.43 | | 98 | | | | 0 | | | |
| | | | | | | 50 | | 91 | | | | 269 | | |
| | | +50 | 732.16 | 732.92 | +0.76 | | 0 | | | | 290 | | | |
| | | | | | | 50 | | | | | | 500 | C | 5.850 |
| | | 2492 | 731.28 | 732.47 | +1.19 | | | | | | 250 | | R | - |
| | | | | | | 50 | | | | | | 458 | F | 2.174 |
| | | +50 | 730.39 | 732.10 | +1.71 | | | | | | 245 | | FAC | 1.25 |
| | | | | | | 50 | | | | | | 421 | EX C | 5.205 |
| | | 2492 | 729.500 | 731.83 | +2.33 | | 0 | | | | 210 | | | |
| | | | | | | 50 | | 15 | | | | 272 | | |
| | | +50 | 729.94 | 731.65 | +1.71 | | 14 | | | | 85 | | | |
| | | | | | | 50 | | 694 | | | | 91 | | |
| | | 2494 | 730.38 | 731.47 | +1.19 | | 692 | | | | 2 | | | |
| | | | | | | 50 | | 1872 | | | | 2 | | |
| | | +50 | 730.82 | 731.58 | +0.76 | | 1392 | | | | 0 | | | |
| | | | | | | 50 | | 2287 | | | | | | |
| | | 2495 | 731.26 | 731.69 | +0.43 | | 1140 | | | | | | | |
| | | | | | | 50 | | 1556 | | | | | | |
| | | +50 | 731.70 | 731.89 | +0.19 | | 580 | | | | 0 | | | |
| | | | | | | 50 | | 685 | | | | 18 | | |
| | | 2496 | 732.14 | 732.19 | +0.05 | | 200 | | | | 12 | | | |
| | | | | | | 50 | | 261 | | | | 38 | | |
| | | +50 | 732.58 | | | | 82 | | | | 22 | | | |
| | | | | | | 50 | | 76 | | | | 187 | | |
| | | 2497 | 733.02 | | | | 0 | | | | 137 | | C | 3.020 |
| | | | | | | | | | | | | 495 | R | - |
| | | +50 | 733.46 | | | | | | | | 400 | | F | 4.936 |
| | | | | | | 50 | | | | | | 1076 | FAC | 1.25 |
| | | 2498 | 733.90 | | | | | | | | 762 | | EX F | 3.150 |
| | | | | | | 50 | | | | | | 1428 | | |
| | | +50 | 734.34 | | | | | | | | 780 | | | |
| | | | | | | 50 | | | | | | 1153 | | |
| | | 2499 | 734.78 | | | | 0 | | | | 465 | | | |
| | | | | | | 50 | | 46 | | | | 506 | | |
| | | +50 | 735.22 | | | | 50 | | | | 61 | | | |
| | | | | | | 50 | | 306 | | | | 75 | | |
| | | 2500 | 735.66 | | | | 320 | | | | 0 | | | |
| | | | | | | 50 | | 696 | | | | 74 | | |
| | | +50 | 736.10 | | | | 320 | | | | 15 | | | |
| | | | | | | 50 | | 324 | | | | 31 | | |
| | | 2501 | 736.54 | | | | 70 | | | | 19 | | | |
| | | | | | | 50 | | 155 | | | | 18 | | |
| | | +50 | 736.98 | | | | 137 | | | | 0 | | | |
| | | | | | | 50 | | 172 | | | | 13 | | |
| | | 2502 | 737.42 | | | | 50 | | | | 14 | | | |
| | | | | | | 50 | | 45 | | | | 115 | | |
| | | +50 | 737.86 | | | | 0 | | | | 110 | | | |
| | | CARRIED FORWARD | | | | | | 1396 | | | | 191 | | |
| | | COLUMN FOOTINGS | | | | | | 11292 | | | | 40583 | | |

| VC | % GRADE | STATION | GRADES ELEVATION ON TANGENT | GRADES ELEVATION ON V CURVES | CORR V.C. | DIST | TOTAL EXCAVATION EARTH AND ROCK AREA | TOTAL EXCAVATION EARTH AND ROCK CU YDS | ROCK EXCAVATION AREA | ROCK EXCAVATION CU YDS | EMBANKMENT AREA | EMBANKMENT CU YDS | BASE AREA | BASE CU YDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | +0.880 % | | | | | 50 | | | | | | 107 | | |
| | | 2503 | 728.30 | | | | 14 | 41 | | | 8 | | | |
| | | | | | | 50 | | 144 | | | | 6 | C | 0.786 |
| | | +50 | 729.74 | | | | 598 | | | | 0 | | R | --- |
| | | | | | | 50 | | 1274 | | | | | F | 284 |
| | | 2504 | 730.18 | | | | 692 | | | | | | FAC | 1.25 |
| | | | | | | 50 | | 1716 | | | | | EX C | 6.942 |
| | | +50 | 730.62 | | | | 1076 | | | | | | | |
| | | | | | | 50 | | 1774 | | | | | | |
| | | 2505 | 731.06 | | | | 832 | | | | | | | |
| | | | | | | 50 | | 1263 | | | | | | |
| | | +50 | 731.50 | | | | 606 | | | | | | | |
| | | | | | | 50 | | 1180 | | | | | | |
| | | 2506 | 731.94 | | | | 890 | | | | | | | |
| | | | | | | 50 | | 1463 | | | | | | |
| | | +50 | 732.38 | | | | 1022 | | | | | | | |
| | | | | | | 50 | | 1210 | | | | | C | .121 |
| | | 2507 | 732.82 | | | | 304 | | | | 0 | | R | --- |
| | | | | | | 50 | | 349 | | | | 46 | F | .774 |
| | | +50 | 733.26 | | | | 60 | | | | 50 | | | |
| | | | | | | 50 | | 56 | | | | 422 | FAC | 1.25 |
| | | 2508 | 733.70 | | | | 0 | | | | 406 | | EX F | 3.615 |
| | | | | | | 50 | | | | | | 1125 | | |
| | | +50 | 734.14 | | | | | | | | 920 | | | |
| | | | | | | 50 | | | | | | 1739 | | |
| | | 2509 | 734.58 | | | | | | | | 1056 | | | |
| | | | | | | 50 | | | | | | 2329 | | |
| | | +50 | 735.02 | | | | | | | | 1150 | | | |
| | | | | | | 50 | | | | | | 2635 | | |
| | | 2510 | 735.46 | | | | | | | | 1440 | | | |
| | | | | | | 50 | | | | | | 3092 | | |
| | | +50 | 735.90 | | | | | | | | 1428 | | | |
| | | | | | | 50 | | | | | | 2529 | | |
| | | 2511 | 736.34 | | | | | | | | 1316 | | | |
| | | | | | | 50 | | | | | | 2750 | | |
| | | +50 | 736.78 | | | | | | | | 1560 | | | |
| | | | | | | 50 | | | | | | 2722 | C | --- |
| | | 2512 | 737.22 | | | | | | | | 1330 | | R | --- |
| | | | | | | 50 | | | | | | 2611 | F | 39.220 |
| | | +50 | 737.66 | | | | | | | | 1410 | | FAC | 1.25 |
| | | | | | | 50 | | | | | | 2938 | EX F | 35.256 |
| | | 2513 | 738.10 | | | | | | | | 1750 | | | |
| | | | | | | 50 | | | | | | 3000 | | |
| | | +50 | 738.54 | | | | | | | | 1700 | | | |
| | | | | | | 50 | | | | | | 2993 | | |
| | | 2514 | 738.98 | | | | | | | | 1595 | | | |
| | | | | | | 50 | | | | | | 2903 | | |
| | | +50 | 739.42 | | | | | | | | 1450 | | | |
| | | | | | | 50 | | | | | | 2731 | | |
| | | 2515 | 739.86 | | | | | | | | 1320 | | | |
| | | | | | | 50 | | | | | | 2370 | | |
| | | +50 | 740.30 | | | | | | | | 1081 | | | |
| | | | | | | 50 | | | | | | 1938 | | |
| | | 2516 | 740.74 | | | | 0 | | | | 570 | | | |
| | | | | | | 50 | | 134 | | | | 627 | | |
| | | +50 | 741.18 | | | | 145 | | | | 0 | | | |
| | | | | | | 50 | | 1232 | | | | | | |
| | | 2517 | 741.62 | | | | 1175 | | | | | | | |
| | | | | | | 10.21 | | 919 | | | | | | |
| BK | | 2517+19.21 | 750.79 | | | | 1550 | | | | | | F | 15.104 |
| AHD | | 2517+32.17 | 750.79 | | | | 1550 | | | | | | R | --- |
| | | | | | | 17.83 | | 1084 | | | | | F | 4.238 |
| | | 2517+50 | 750.95 | | | | 1732 | | | | | | | |
| | | | | | | 50 | | 3754 | | | | | FAC | 1.25 |
| | | 2518 | 751.39 | | | | 1246 | | | | | | EX C | 9.081 |
| | | | | | | 50 | | 1698 | | | | | | |
| | | +50 | 751.83 | | | | 740 | | | | | | | |
| | | | | | | 50 | | 1509 | | | | | | |
| | | 2519 | 752.27 | | | | 886 | | | | | | | |
| | | | | | | 50 | | 2180 | | | | | | |
| | | +50 | 752.71 | | | | 1470 | | | | | | | |
| | | | | | | 50 | | 3617 | | | | | | |
| | | 2520 | 753.15 | | | | 2220 | | | | | | | |
| | | | | | | 50 | | 4533 | | | | | | |
| | | +50 | 753.59 | | | | 3000 | | | | | | | |
| | | | | | | 50 | | 5014 | | | | | | |
| | | 2521 | 754.03 | | | | 2615 | | | | | | | |
| | | | | | | 50 | | 3706 | | | | | | |
| | | +50 | 754.47 | | | | 1590 | | | | | | | |
| | | | | | | 50 | | 2278 | | | | | | |
| | | 2522 | 754.91 | | | | 870 | | | | | | | |
| | | | | | | 50 | | 1673 | | | | | | |
| | | +50 | 755.35 | | | | 837 | | | | | | | |
| | | | | | | 50 | | 2284 | | | | | | |
| | | 2523 | 755.79 | 755.75 | -0.04 | | 1530 | | | | | | | |
| | | | | | | 50 | | 2507 | | | | | | |
| | | +50 | 756.23 | 756.05 | -0.18 | | 1335 | | | | | | | |
| | | | | | | 50 | | 2284 | | | | | | |
| | | 2524 | 756.67 | 756.27 | -0.40 | | 1095 | | | | | | | |
| | | | | | | 50 | | 1804 | | | | | | |
| | | +50 | 757.11 | 756.41 | -0.70 | | 853 | | | | | | | |
| | | CARRIED FORWARD | | | | | | 20565 | | | | | | |
| | | COLUMN FOOTINGS | | | | | | 53198 | | | | | | |

| VC | % GRADE | STATION | GRADES ELEVATION ON TANGENT | GRADES ELEVATION ON V CURVES | CORR V.C. | DIST | TOTAL EXCAVATION EARTH AND ROCK AREA | TOTAL EXCAVATION EARTH AND ROCK CU YDS | ROCK EXCAVATION AREA | ROCK EXCAVATION CU YDS | EMBANKMENT AREA | EMBANKMENT CU YDS | BASE AREA | BASE CU YDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000' V.C. | +0.880 % | | | | | 50 | | | | | | | | |
| | | 2525 | 757.95 | 756.45 | -1.10 | | 1861 | 2066 | | | | | | |
| | | | | | | 50 | | | | | EX C | 28.541 | | |
| | | +50 | 757.09 | 756.40 | -1.39 | | 1870 | | | | | | | |
| | | | | | | 50 | | 3009 | | | | | | |
| | | 2526 | 756.23 | 756.27 | -2.16 | | 2350 | | | | | | | |
| | | | | | | 50 | | 3087 | | | | | | |
| | | +50 | 755.37 | 756.05 | -2.82 | | 3112 | | | | | | | |
| | | | | | | 50 | | 5091 | | | | | | |
| | | 2527 | 754.51 | 755.74 | -3.57 | | 3955 | | | | | | | |
| | | | | | | 50 | | 6210 | | | | | | |
| | | +50 | 753.65 | 755.35 | -4.40 | | 3520 | | | | | | C | 31.555 |
| | | | | | | 50 | | 6356 | | | | | R | 7.089 |
| | | 2528 | 752.79 | 754.86 | -3.57 | | 3952 | | | | | | F | --- |
| | | | | | | 50 | | 6011 | | | | | | |
| | | +50 | 751.93 | 754.29 | -2.02 | | 2602 | 0 | | | | | EX C | 54.642 |
| | | | | | | 50 | | 3006 | | 187 | | | | |
| | | 2529 | 751.07 | 753.62 | -2.16 | | 2025 | 207 | | 1307 | | | | |
| | | | | | | 50 | | 4131 | | | | | | |
| | | +50 | 750.21 | 752.87 | -1.99 | | 1840 | 1210 | | | | | | |
| | | | | | | 50 | | 4262 | | 2690 | | | | |
| | | 2530 | 749.35 | 752.04 | -1.10 | | 1790 | 1970 | | | | | | |
| | | | | | | 50 | | 4863 | | 3065 | | | | |
| | | +50 | 748.49 | 751.12 | -0.70 | | 2588 | 1840 | | | | | | |
| | | | | | | 50 | | 4270 | | 3050 | | | | |
| | | 2531 | 747.62 | 750.19 | -0.40 | | 2750 | 1403 | | | | | | |
| | | | | | | 50 | | 4180 | | 2717 | | | | |
| | | +50 | 746.76 | 749.39 | -0.18 | | 2152 | 1466 | | | | | | |
| | | | | | | 50 | | 4095 | | 2351 | | | | |
| | | 2532 | 745.90 | 748.61 | -0.04 | | 2002 | 1515 | | | | | | |
| | | | | | | 50 | | 3590 | | 2226 | | | | |
| | | +50 | 745.04 | | | | 2421 | 1330 | | 2430 | | | C | 55.403 |
| | | | | | | 50 | | 4169 | | | | | R | 25.955 |
| | | 2533 | 744.17 | | | | 2530 | 1224 | | | | | F | --- |
| | | | | | | 50 | | 4499 | | 2946 | | | | |
| | | +50 | 743.31 | | | | 2425 | 1350 | | 2267 | | | | |
| | | | | | | 50 | | 4501 | | | | | | |
| | | 2534 | 742.57 | | | | 2350 | 1125 | | 2157 | | | | |
| | | | | | | 50 | | 4421 | | | | | | |
| | | +50 | 741.24 | | | | 2435 | 1208 | | 2330 | | | | |
| | | | | | | 50 | | 4421 | | | | | | |
| | | 2535 | 739.92 | | | | 2090 | 1260 | | 2472 | | | | |
| | | | | | | 50 | | 4125 | | | | | | |
| | | +50 | 738.60 | | | | 1645 | 1360 | | 2262 | | | | |
| | | | | | | 50 | | 3336 | | | | | | |
| | | 2536 | 737.26 | | | | 1254 | 1085 | | 1951 | | | | |
| | | | | | | 50 | | 3139 | | | | | | |
| | | +50 | 735.96 | | | | 1330 | 625 | | 1600 | | | C | 11.952 |
| | | | | | | 50 | | 2952 | | | | | R | 5.865 |
| | | 2537 | 734.63 | | | | 670 | 810 | | | | | F | --- |
| | | +15.45 | END ROADWAY - BEGIN BRIDGE | | | 19.45 | | | | | | | EX C | 17.076 |
| | | | | | | 34.55 | | 1652 | | 963 | | | | |
| | | +50 | 733.31 | | | | 0 | 670 | | 257 | | | | |
| | | | | | | 50 | | 0 | | 231 | | | | |
| | | 2538 | 731.99 | | | | | 0 | | | | | | |
| | | | | | | 50 | | | | | | | | |
| | | +50 | 730.67 | | | | | | | | | | | |
| | | | | | | 50 | | | | | | | | |
| | | +66 | 730.24 | | | | | | | | | | | |
| | | | | | | 16 | | | | | | | | |
| | | 2539 | 729.35 | NOTE EMBANKMENT QUANTITY WITHIN BRIDGE AREA INCLUDED | | | | | | | | | | |
| | | | | | | 44 | | | | | | | | |
| | | +50 | 728.02 | | | | | | | | | | | |
| | | | | | | 50 | | | | | | | | |
| | | 2540 | 726.70 | | | | | | | | | | | |
| | | | | | | 50 | | | | | | | | |
| | | +50 | 725.38 | | | | | | | | | | | |
| | | | | | | 50 | | | | | | | | |
| | | 2541 | 724.06 | | | | | | | | 0 | | | |
| | | | | | | 50 | | | | | | 550 | | |
| | | +50 | 722.74 | | | | 12.08 | | | | 594 | | | |
| | | +62.88 | END BRIDGE - RESUME ROADWAY | | | | 27.12 | | | | | 2663 | | |
| | | 2542 | 721.41 | | | | | | | | 2382 | | | |
| | | | | | | 50 | | | | | | 3968 | | |
| | | +50 | 720.09 | | | | | | | | 2603 | | C | --- |
| | | | | | | 50 | | | | | | 3981 | R | --- |
| | | 2543 | 718.77 | | | | | | | | 1865 | | F | 22.636 |
| | | | | | | 50 | | | | | | 3256 | FAC | 1.25 |
| | | +50 | 717.45 | | | | | | | | 1651 | | EX F | 28.285 |
| | | | | | | 50 | | | | | | 3022 | | |
| | | 2544 | 716.13 | | | | | | | | 1613 | | | |
| | | | | | | 50 | | | | | | 2917 | | |
| | | +50 | 714.80 | 714.85 | +0.06 | | | | | | 1537 | | | |
| | | | | | | 50 | | | | | | 2679 | | |
| | | 2545 | 713.48 | 713.66 | +0.18 | | | | | | 1334 | | | |
| | | | | | | 50 | | | | | | 2402 | | |
| | | +50 | 712.16 | 712.57 | +0.41 | | | | | | 1238 | | | |
| | | | | | | 50 | | | | | | 2131 | | |
| | | 2546 | 710.84 | 711.67 | +0.73 | | | | | | 1043 | | | |
| | | | | | | 50 | | | | | | 2056 | | |
| | | +50 | 709.92 | 710.67 | +1.15 | | | | | | 1100 | | | |
| | | CARRIED FORWARD | | | | | | | | | | 1581 | | |
| | | COLUMN FOOTINGS | | | | | | 109078 | | 39459 | | 29277 | | |

PROJECT IRASBURG - DERBY

PROJECT ERDIS NO. 91-3(8)3 (206)
SHEET 22 OF 605 SHEETS

Sheet 28 of 178 Sheets

IRASBURG
IM DECK(46)
BRIDGE NO. 107N
SHEET 29 OF 49
FOR REFERENCE ONLY