

## SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

| LINE                                      | Station  | Station  | Uncl. Excav. | Undercut Excav. | Embank. +% | Borrow | Waste |
|-------------------------------------------|----------|----------|--------------|-----------------|------------|--------|-------|
| L                                         | 26+70.00 | 52+50.00 | 826          | 1200            | 19412      | 18586  | 1200  |
| DR1                                       | 10+00.00 | 11+10.00 | 115          |                 | 176        | 61     |       |
| SR1                                       | 10+00.00 | 11+79.30 | 21           |                 | 63         | 62     |       |
| Y3 REV                                    | 16+00.00 | 35+18.01 | 3183         | 4500            | 9618       | 6435   | 4500  |
| SUBTOTAL                                  |          |          | 4145         | 5700            | 29289      | 25144  | 5700  |
| L                                         | 57+12.38 | 77+86.12 | 1350         |                 | 6799       | 5449   |       |
| RPA                                       | 11+50.00 | 21+50.00 | 1038         |                 | 2394       | 1356   |       |
| RPB                                       | 10+00.00 | 11+50.00 | 0            |                 | 396        | 396    |       |
| SUBTOTAL                                  |          |          | 2388         | 0               | 9589       | 7201   | 0     |
| RPC                                       | 10+00.00 | 11+50.00 | 0            |                 | 25         |        | 84    |
| RPD                                       | 11+00.00 | 17+40.16 | 0            |                 | 536        |        | 833   |
| Y6                                        | 10+00.00 | 20+11.50 | 0            |                 | 800        | 95     | 0     |
| Y7                                        | 10+00.00 | 11+71.36 | 18           |                 | 317        | 299    | 0     |
| Y8                                        | 11+00.00 | 17+40.27 | 242          |                 | 1762       | 1520   |       |
| Y9                                        | 10+19.38 | 25+50.00 | 789          |                 | 15636      | 14847  |       |
| SUBTOTAL                                  |          |          | 3232         | 0               | 19076      | 16761  | 917   |
| Y6                                        | 21+50.00 | 23+39.20 | 90           |                 | 148        | 58     |       |
| Y5                                        | 16+00.00 | 17+21.93 | 28           |                 | 30         | 2      |       |
| RAB2                                      | 10+00.00 | 14+39.82 | 144          |                 | 2170       | 2026   | 0     |
| SUBTOTAL                                  |          |          | 262          | 0               | 2348       | 2086   | 0     |
| TOTAL                                     |          |          | 10027        | 5700            | 60302      | 51192  | 6617  |
| ADJUSTMENTS DUE TO                        |          |          |              |                 |            |        |       |
| Est. Loss Due To Clearing And Grubbing    |          |          | 0            |                 |            | 0      |       |
| Shoulder Material                         |          |          |              |                 | 2520       | 2520   |       |
| Additional Undercut                       |          |          |              | 2250            | 2700       | 2700   | 2250  |
| 0                                         |          |          |              |                 |            |        |       |
| 0                                         |          |          |              |                 |            |        |       |
| Earth Waste to Replace Borrow             |          |          |              |                 |            | -917   | -917  |
| PROJECT TOTAL                             |          |          | 10027        | 7950            | 65522      | 55495  | 7950  |
| Est. 5% to Replace Topsoil in Borrow Pits |          |          |              |                 |            | 2775   |       |
| GRAND TOTAL                               |          |          | 10027        | 7950            |            | 58270  |       |
| SAY                                       |          |          | 10100        | 7950            |            | 58300  |       |
| Est. Drainage Ditch Excav.                |          |          | 240 CY       |                 |            |        |       |
| Select Granular Material                  |          |          | 7700 CY      |                 |            |        |       |
| Geotextile For Soil Stab.                 |          |          | 10200 SY     |                 |            |        |       |
| Estimate Shallow Undercut                 |          |          | 850 CY       |                 |            |        |       |
| Class IV Subgrade Stab.                   |          |          | 1675 TONS    |                 |            |        |       |

| LINE   | Station | Station | LOC<br>LT/RT/CL | SY   |
|--------|---------|---------|-----------------|------|
| Y3 REV | 16+73   | L-EOP   | LT              | 3157 |
| Y6     | 10+22   | 15+00   | CL              | 1830 |
| Y6     | 20+12   | 20+52   | CL              | 307  |
| Y5     | 16+11   | Y6-EOP  | CL/RT           | 407  |
| L      | 46+34   | 49+75   | CL              | 503  |
| L      | 59+92   | 63+16   | CL              | 885  |
|        |         |         | TOTAL:          | 7140 |
|        |         |         |                 |      |
|        |         |         | SAY:            | 7140 |

Quantities are approximate only. The Resident Engineer will recross-section the work accurately when the project is staked out. These cross-section notes will be used in computing the final quantities for which the contractor will be paid.

## GUARDRAIL SUMMARY

| LINE  | BEG. STA.         | END STA. | LOC.     | LENGTH (LF) |             | DOUBLE FACED | WARRANT POINT |            | N° DIST FROM E.O.L. | TOTAL SHLDR WIDTH | FLARE LENGTH |            | W         |            | ANCHORS |                 |           |           |      |       | IMPACT ATTEN. TYPE 350 |    |   | REMOVE EXISTING GUARDRAIL | REINF. CONC. BARRIER | REMARKS |    |
|-------|-------------------|----------|----------|-------------|-------------|--------------|---------------|------------|---------------------|-------------------|--------------|------------|-----------|------------|---------|-----------------|-----------|-----------|------|-------|------------------------|----|---|---------------------------|----------------------|---------|----|
|       |                   |          |          | STRAIGHT    | SHOP CURVED |              | APPR. END     | TRAIL. END |                     |                   | APPR. END    | TRAIL. END | APPR. END | TRAIL. END | III     | III SHOP CURVED | GREU TL-2 | GREU TL-3 | AT-1 | CAT-1 | TES                    | EA | G |                           |                      |         | NG |
|       |                   |          |          |             |             |              |               |            |                     |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
| L     | 40+42.70          | 48+71.93 | LT       | 837.50      |             |              |               |            | 14                  |                   |              |            |           |            |         |                 |           | 1         |      |       |                        |    |   |                           |                      |         |    |
| L/RPA | 48+71.93          | 20+91.33 | LT       |             | 125.00      |              |               |            |                     |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
| RPA   | 18+23.71          | 20+91.33 | RT       | 300.00      |             |              |               |            | 12                  | 15                | 50           |            | 1         |            |         |                 |           | 1         |      |       |                        |    |   |                           |                      |         |    |
| SR1/L |                   | 42+93.67 | RT       |             | 75.00       |              |               |            |                     |                   | 6.25         |            | 4         |            |         |                 |           |           | 1    |       |                        |    |   |                           |                      |         |    |
| L     | 42+93.67          | 48+54.43 | RT       | 562.50      |             |              |               |            | 14                  |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
| L/RPB | 48+54.43          |          | RT       |             | 87.50       |              |               |            |                     |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
| L     | 50+59.33          | 52+34.33 | RT       | 175.00      |             |              |               | BRIDGE     | 9.7                 |                   | 50           |            | 1         |            | 1       |                 |           |           | 1    |       |                        |    |   |                           |                      |         |    |
| L     | 57+11.99          | 58+99.49 | LT       | 187.50      |             |              |               | BRIDGE     | 9.3                 |                   | 50           |            | 1         |            | 1       |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
| Y9/L  | 10+95.88          | 71+36.51 | RT       |             | 75.00       |              |               |            |                     |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
| L     | 71+36.51          | 71+61.51 | RT       | 25.00       |             |              |               |            |                     |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
| L     | 71+61.51          |          | RT       |             | 50.00       |              |               |            |                     |                   |              |            | 2         |            |         |                 |           |           | 1    |       |                        |    |   |                           |                      |         |    |
| Y3REV | 29+00.00          | 34+00.00 | RT       | 500.00      |             |              |               |            | 8                   | 11                | 50           |            | 1         |            |         |                 |           |           | 2    |       |                        |    |   |                           |                      |         |    |
| Y9    | 10+95.88          | 13+20.88 | LT       | 225.00      |             |              |               |            | 2                   |                   | 50           |            | 1         |            |         |                 |           |           | 2    |       |                        |    |   |                           |                      |         |    |
| Y9    | 22+00.00          | 25+00.00 | LT       | 300.00      |             |              |               |            | 2                   |                   | 25           |            | 1         |            |         |                 |           |           | 1    |       |                        |    |   |                           |                      |         |    |
| Y9    | 22+00.00          | 25+00.00 | RT       | 300.00      |             |              |               |            | 2                   |                   | 25           |            | 1         |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
|       |                   |          |          |             |             |              |               |            |                     |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
|       | DEDUCT ANCHORS:   |          | SUBTOTAL | 3412.50     | 412.50      |              |               |            |                     |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
|       | III               | 2        |          | 18.75       | -37.5       |              |               |            |                     |                   |              |            |           |            | 2       |                 |           | 3         | 8    | 2     | 3                      |    |   |                           |                      | 1569    |    |
|       |                   | 3        |          | 25.00       | -75         |              |               |            |                     |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
|       | GREU TL-2         | 8        |          | 50.00       | -400        |              |               |            |                     |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
|       | AT-1              | 2        |          | 6.25        | -12.5       |              |               |            |                     |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
|       | CAT-1             | 3        |          | 6.25        | -12.5       |              |               |            |                     |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
|       |                   |          | TOTAL    | 2887.50     | 393.75      |              |               |            |                     |                   |              |            |           |            |         |                 |           |           |      |       |                        |    |   |                           |                      |         |    |
|       | ADDITIONAL POSTS: | 5        |          | SAY         | 2900        | 400          |               |            |                     |                   |              |            |           |            | 2       |                 |           | 3         | 8    | 2     | 3                      |    |   |                           |                      | 1600    |    |