| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-5861 | 3B-4 |

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

# GUARDRAIL SUMMARY

| SURVEY LINE | BEG. STA. | END STA. | LOCATION | LENGTH | | | WARRANT POINT | | "N" DIST. FROM E.O.L. | TOTAL SHOULDER WIDTH | FLARE LENGTH | | W | | ANCHORS | | | | | | | | | IMPACT ATTENUATOR TYPE TL-3 | | SINGLE FACED CONCRETE BARRIER | REMOVE EXISTING GUARDRAIL | REMOVE & STOCKPILE EXISTING GUARDRAIL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | STRAIGHT | SHOP CURVED | DOUBLE FACED | APPROACH END | TRAILING END | | | APPROACH END | TRAILING END | APPROACH END | TRAILING END | XI MOD | GREU TL-2 | GREU TL-3 | MEDIA N TL-3 | XIII | CAT-1 | B-77 | AT-1 | TES | TYPE III | G | NG | | | | |
| L | 12+14.69 | 18+82.25 | LT | 662.50' | | | 17+50 | 12+00 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 31+15.87 | 38+24.00 | LT | 700.00' | | | 37+50 | 32+50 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 50+10.57 | 56+50.02 | LT | 625.00' | | | 51+00 | 50+50 | 10' | 13' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 68+48.35 | 69+72.35 | LT | 125.00' | | | 69+50 | 69+00 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 70+09.17 | 71+20.66 | LT | 112.50' | | | 70+50 | 70+00 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| DR8/L | 13+21.66 | 79+90.44 | LT | 818.75' | 56.25' | | 79+50 | 72+00 | 8' | 11' | 50 | 50 | 1 | 1 | | | 1 | | | | | 1 | | | | | | | | |
| L | 80+34.30 | 83+24.34 | LT | 293.75' | | | 84+00 | 81+50 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 92+42.64 | 95+93.88 | LT | 350.00' | | | 95+50 | 93+75 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L/Y8 | 110+46.30 | 12+15.65 | LT/RT | 1881.25' | 56.25' | | 129+00 | 111+00 | 8' | 11' | 50 | | 1 | | | | 1 | | | | | 1 | | | | | | | | |
| L | 130+23.97 | 132+76.42 | LT | 237.50' | 43.75' | | | | 8' | 11' | | 50 | | 1 | | | 1 | | | | | 1 | | | | | | | | |
| L/Y10A | 143+09.02 | 11+70.25 | LT/RT | 312.50' | 187.50' | | 12+00 | 144+00 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| Y10A/L | 11+70.25 | 150+27.20 | LT/LT | 437.50' | 125.00' | | 148+50 | 12+50 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 187+26.08 | 191+78.36 | LT | 450.00' | | | 191+00 | 189+00 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | 12+05.27 | 17+62.50 | RT | 562.50' | | | 13+50 | 17+50 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 32+57.84 | 36+89.47 | RT | 437.50' | | | 34+00 | 36+00 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| Y3A/L | 11+06.09 | 54+05.12 | LT/RT | 275.00' | 12.50' | | 52+50 | 54+00 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 56+36.00 | 62+23.83 | RT | 587.50' | | | 58+00 | 60+50 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 67+82.37 | 73+75.67 | RT | 587.50' | | | 68+00 | 73+00 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 83+93.49 | 88+57.44 | RT | 462.50' | | | 84+50 | 84+50 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 91+71.63 | 99+46.79 | RT | 775.00' | | | 93+50 | -- | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 99+97.80 | 102+47.75 | RT | 250.00' | | | -- | -- | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 102+92.63 | 104+17.62 | RT | 125.00' | | | -- | 103+50 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L/Y9 | 124+65.73 | 11+30.00 | RT/RT | 506.25' | 62.50' | | 126+50 | 129+50 | 8' | 11' | 50 | 50 | 1 | 1 | | 1 | 1 | | | | | | | | | | | | | |
| L | 144+94.62 | 148+72.87 | RT | 375.00' | | | 145+00 | 149+00 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 152+68.37 | 160+71.76 | RT | 800.00' | | | 153+50 | 159+50 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 178+58.45 | 182+00.69 | RT | 337.50' | | | 179+00 | 181+00 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| L | 192+12.71 | 194+47.99 | RT | 237.50' | | | 194+00 | 194+00 | 8' | 11' | 50 | 50 | 1 | 1 | | | 2 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DR13 | 11+63.00 | | CL | 18.75' | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| L | 110+15.00 | | RT | 18.75' | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Y11A | 14+35.00 | | CL | 18.75' | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | 12+15.50 | 17+58.68 | LT | | | | | | | | | | | | | | | | | | | | | | | | 539.50 | | | |
| L | 13+02.31 | 17+73.61 | RT | | | | | | | | | | | | | | | | | | | | | | | | 488.75 | | | |
| L | 31+22.98 | 35+90.34 | RT | | | | | | | | | | | | | | | | | | | | | | | | 490.08 | | | |
| L | 39+40.58 | 47+91.69 | LT | | | | | | | | | | | | | | | | | | | | | | | | 826.59 | | | |
| L | 50+67.49 | 52+60.71 | LT | | | | | | | | | | | | | | | | | | | | | | | | 189.71 | | | |
| Y3A/L | 10+36.21 | 54+48.64 | RT | | | | | | | | | | | | | | | | | | | | | | | | 325.99 | | | |
| L | 54+92.43 | 61+87.03 | RT | | | | | | | | | | | | | | | | | | | | | | | | 701.93 | | | |
| L | 71+73.43 | 79+70.59 | LT | | | | | | | | | | | | | | | | | | | | | | | | 803.57 | | | |
| L | 81+58.55 | 84+93.45 | LT | | | | | | | | | | | | | | | | | | | | | | | | 339.02 | | | |
| L | 81+90.00 | 83+29.20 | RT | | | | | | | | | | | | | | | | | | | | | | | | 151.97 | | | |
| L | 83+75.09 | 85+44.54 | RT | | | | | | | | | | | | | | | | | | | | | | | | 178.38 | | | |
| L | 85+81.34 | 88+59.12 | RT | | | | | | | | | | | | | | | | | | | | | | | | 277.65 | | | |
| L | 93+17.63 | 99+45.71 | RT | | | | | | | | | | | | | | | | | | | | | | | | 627.55 | | | |
| L | 100+00.88 | 102+53.54 | RT | | | | | | | | | | | | | | | | | | | | | | | | 253.20 | | | |
| L | 102+94.09 | 103+96.17 | RT | | | | | | | | | | | | | | | | | | | | | | | | 102.09 | | | |
| L | 110+38.38 | 114+26.74 | RT | | | | | | | | | | | | | | | | | | | | | | | | 390.62 | | | |
| L | 119+02.87 | 121+94.73 | RT | | | | | | | | | | | | | | | | | | | | | | | | 302.28 | | | |
| L | 124+29.89 | 129+60.41 | LT | | | | | | | | | | | | | | | | | | | | | | | | 551.90 | | | |
| L | 124+62.11 | 129+54.95 | RT | | | | | | | | | | | | | | | | | | | | | | | | 500.52 | | | |
| L | 144+32.67 | 148+96.02 | LT | | | | | | | | | | | | | | | | | | | | | | | | 465.63 | | | |
| L | 145+17.11 | 148+24.67 | RT | | | | | | | | | | | | | | | | | | | | | | | | 305.99 | | | |
| L | 153+08.57 | 160+88.28 | RT | | | | | | | | | | | | | | | | | | | | | | | | 777.80 | | | |
| L | 168+74.51 | 171+78.86 | RT/LT | | | | | | | | | | | | | | | | | | | | | | | | 350.65 | | | |
| L | 170+00.44 | 177+55.12 | LT | | | | | | | | | | | | | | | | | | | | | | | | 784.27 | | | |
| L | 179+49.40 | 184+62.04 | LT | | | | | | | | | | | | | | | | | | | | | | | | 601.77 | | | |
| L | 180+18.40 | 182+70.96 | LT | | | | | | | | | | | | | | | | | | | | | | | | 293.12' | | | |
| L/Y12 | 208+84.40 | 24+60.52 | LT/RT | | | | | | | | | | | | | | | | | | | | | | | | 116.52' | | | |
| L | 153+09.00 | 160+84.00 | RT | | | | | | | | | | | | | | | | | | | | | | | | 775.00' | | | |
| L | 78+00.00 | 78+99.00 | LT | | | | | | | | | | | | | | | | | | | | | | | | 99.00 | | | |
| | | | SHEET TOTALS | 13381.25 | 543.75 | | | | | | | | | | 0 | 1 | 50 | 0 | 0 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 12611 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | LESS ANCHOR DEDUCTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | QUANTITY | LF PER EA | TOTAL LF | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | GREU TL-2 | 1 | 25 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | GREU TL-3 | 50 | 50 | 2500 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CAT-1 | 0 | 6.25 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TYPE III | 0 | 18.75 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TYPE B-77 | 0 | 22.875 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | AT-1 | 3 | 6.25 | 0 | 18.75 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R-5861 TOTAL (LF) | | | | 10,856.25 | 525.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| R-5861 SAY (LF) | | | | 10,875.00 | 525.00 | | (ADDITIONAL 10 GUARDRAIL POSTS) | | | | | | | | 0 | 1 | 50 | 0 | 0 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 12611 | | |


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10/10/2023
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