COMPUTED BY: TO DATE: 8/03/04
CHECKED BY: RPS DATE: 8/18/04

# DIVISION OF HIGHWAYS
# STATE OF NORTH CAROLINA
# GUARDRAIL &GUIDERAIL SUMMARY

METRIC

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2206AA | 3-D |

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL
W = TOTAL WIDTH OF FLARE FROM BEGIN

G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

| SURVEY LINE | BEG. STA. | END STA. | LOCATION | LENGTH | | | WARRANT POINT | | "N" DIST. FROM E.O.L. | TOTAL SHOUL WIDTH | FLARE LENGTH | | W | | ANCHORS | | | | | | | | | IMPACT ATTENUATOR TYPE 350 | | CABLE GUIDERAIL TOTAL DISTANCE | CABLE GUIDERAIL PAY LIMITS | SINGLE FACED CONCRETE BARRIER | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | STRAIGHT | SHOP CURVED | DOUBLE FACED | APPROACH END | TRAILING END | | | APPROACH END | TRAILING END | APPROACH END | TRAILING END | XI MOD | B-77 | GRAU 350 | M-350 | TYPE III | CAT-1 | GUIDE RAIL | BIC | | G | NG | | | | |
| -L- | 10+00.000 | 21+29.520 | MED. | | | | | | | | | | | | | | | | | | 4 | | | | | 1,129.520 | 1,114.320 | | CABLE GUIDERAIL |
| -L- | 21+06.930 | 27+74.810 | MED. | | | | | | | | | | | | | | | | | | 4 | | | | | 667.880 | 652.680 | | CABLE GUIDERAIL |
| -L- | 20+79.210 | 21+05.880 | RT. | 26.670 | | | OVERPASS | | 3.6 | 4.6 | 15.240 | | 0.300 | | | 1 | 1 | | | | | | | | | | | | SEE SHEET 2-Q FOR DETAILS |
| -L- | 21+05.880 | 21+23.677 | RT. | | | | | | | | | | | | | | | | | | | | | | | | | 17.797 | SEE SHEETS 2-G THRU 2-J FOR DETAILS |
| -L- | 21+29.513 | 21+56.183 | LT. | 26.670 | | | OVERPASS | | 3.6 | 4.6 | 15.240 | | 0.300 | | | 1 | 1 | | | | | | | | | | | | SEE SHEET 2-Q FOR DETAILS |
| -L- | 21+12.382 | 21+29.513 | LT. | | | | | | | | | | | | | | | | | | | | | | | | | 17.131 | SEE SHEETS 2-G THRU 2-J FOR DETAILS |
| -L- | 22+21.211 | 24+61.241 | RT. | 240.030 | | | 22+60.000 | 24+60.000 | 3.6 | 4.6 | 15.240 | | 0.300 | | | | 1 | | | 1 | | | | | | | | | |
| -L- | 27+37.140 | 27+63.810 | RT. | 26.670 | | | OVERPASS | | 3.6 | 4.6 | 15.240 | | 0.300 | | | 1 | 1 | | | | | | | | | | | | SEE SHEET 2-Q FOR DETAILS |
| -L- | 27+63.810 | 27+73.478 | RT. | | | | | | | | | | | | | | | | | | | | | | | | | 9.668 | SEE SHEETS 2-G THRU 2-J FOR DETAILS |
| -L- | 27+57.620 | 45+10.810 | MED. | | | | | | 3.6 | 4.6 | 15.240 | | 0.300 | | | | | | | | 6 | | | | | 1,753.190 | 1,737.990 | | CABLE GUIDERAIL |
| -L- | 27+68.800 | 27+95.470 | LT. | 26.670 | | | OVERPASS | | 3.6 | 4.6 | 15.240 | | 0.300 | | | 1 | 1 | | | | | | | | | | | | |
| -L- | 27+58.803 | 27+68.800 | LT. | | | | | | | | | | | | | | | | | | | | | | | | | 9.997 | SEE SHEETS 2-G THRU 2-J FOR DETAILS |
| -L- | 36+82.500 | 37+62.510 | RT. | 80.010 | | | CULVERT | | 3.6 | 4.6 | 15.240 | | 0.300 | | | | 1 | | | 1 | | | | | | | | | |
| -L- | 37+18.095 | 38+17.155 | LT. | 99.060 | | | CULVERT | | 3.6 | 4.6 | 15.240 | | 0.300 | | | | 1 | | | 1 | | | | | | | | | |
| -L- | 45+49.190 | 60+42.980 | MED. | | | | | | | | | | | | | | | | | | 6 | | | | | 1,493.790 | 1,478.590 | | CABLE GUIDERAIL |
| -L- | 49+43.095 | 51+60.265 | LT. | 217.170 | | | 51+40.000 | 49+60.000 | 3.6 | 4.6 | 15.240 | | 0.300 | | | | 1 | | | 1 | | | | | | | | | |
| -L- | 49+42.500 | 51+33.000 | RT. | 190.500 | | | 49+80.000 | 51+20.000 | 3.6 | 4.6 | 15.240 | | 0.300 | | | | 1 | | | 1 | | | | | | | | | |
| -L- | 53+61.498 | 55+02.468 | RT. | 140.970 | | | CULVERT | | 3.6 | 4.6 | 15.240 | | 0.300 | | | | 1 | | | 1 | | | | | | | | | |
| -L- | 54+98.095 | 56+35.255 | LT. | 137.160 | | | CULVERT | | 3.6 | 4.6 | 15.240 | | 0.300 | | | | 1 | | | 1 | | | | | | | | | |
| -L- | 60+01.082 | 60+27.752 | RT. | 26.670 | | | OVERPASS | | 3.6 | 4.6 | 15.240 | | 0.300 | | | 1 | 1 | | | | | | | | | | | | |
| -L- | 60+27.752 | 60+37.275 | RT. | | | | | | | | | | | | | | | | | | | | | | | | | 9.523 | SEE SHEETS 2-G THRU 2-J FOR DETAILS |
| -L- | 60+27.920 | 68+09.557 | MED. | | | | | | | | | | | | | | | | | | 4 | | | | | 781.637 | 766.437 | | CABLE GUIDERAIL |
| -L- | 60+44.690 | 60+71.360 | LT. | 26.670 | | | OVERPASS | | 3.6 | 4.6 | 15.240 | | 0.300 | | | 1 | 1 | | | | | | | | | | | | |
| -L- | 60+34.935 | 60+44.690 | LT. | | | | | | | | | | | | | | | | | | | | | | | | | 9.755 | SEE SHEETS 2-G THRU 2-J FOR DETAILS |
| -L- | 65+20.900 | 67+95.220 | RT. | 274.320 | | | 65+60.000 | BRIDGE | 3.6 | 4.6 | 15.240 | | 0.300 | | | | 1 | | 1 | | | | | | | | | | |
| -L- | 65+67.166 | 68+33.866 | LT. | 266.700 | | | 68+33.866 | 65+80.000 | | | | | | | | | | | 1 | 1 | | | | | | | | | |
| -L- | 67+49.545 | 68+06.695 | MED. | 57.150 | | | BRIDGE | | | | 11.430 | | 1.200 | | | | | 1 | 1 | | | | | | | | | | |
| -L- | 68+64.051 | 78+50.841 | RT. | 986.790 | | | 68+64.051 | 78+40.000 | | | | | | | | | | | 1 | 1 | | | | | | | | | |
| -L- | 68+90.133 | 81+85.670 | MED. | | | | | | | | | | | | | | | | | | 6 | | | | | 1,295.537 | 1,280.337 | | CABLE GUIDERAIL |
| -L- | 68+91.220 | 69+48.370 | MED. | 57.150 | | | BRIDGE | | | | 11.430 | | 1.200 | | | | | 1 | 1 | | | | | | | | | | |
| -L- | 69+02.693 | 78+59.003 | LT. | 956.310 | | | 78+00.000 | BRIDGE | 3.6 | 4.6 | 15.240 | | 0.300 | | | | 1 | | 1 | | | | | | | | | | |
| -L- | 81+49.132 | 81+75.802 | RT. | 26.670 | | | OVERPASS | | 3.6 | 4.6 | 15.240 | | 0.300 | | | 1 | 1 | | | | | | | | | | | | |
| -L- | 81+75.802 | 81+86.670 | RT. | | | | | | | | | | | | | | | | | | | | | | | | | 10.868 | SEE SHEETS 2-G THRU 2-J FOR DETAILS |
| -L- | 81+65.730 | 99+39.350 | MED. | | | | | | | | | | | | | | | | | | 6 | | | | | 1,773.620 | 1,758.420 | | CABLE GUIDERAIL |
| -L- | 81+75.357 | 82+02.027 | LT. | 26.670 | | | OVERPASS | | 3.6 | 4.6 | 15.240 | | 0.300 | | | 1 | 1 | | | | | | | | | | | | |
| -L- | 81+65.343 | 81+75.357 | | | | | | | | | | | | | | | | | | | | | | | | | | 10.014 | SEE SHEETS 2-G THRU 2-J FOR DETAILS |
| -L- | 84+49.980 | 86+10.000 | RT. | 160.020 | | | 85+00.000 | 86+00.000 | 3.6 | 4.6 | 15.240 | | 0.300 | | | | 1 | | | 1 | | | | | | | | | |
| -L- | 85+18.095 | 89+79.105 | LT. | 461.010 | | | 89+40.000 | 85+20.000 | 3.6 | 4.6 | 15.240 | | 0.300 | | | | 1 | | | 1 | | | | | | | | | |
| -L- | 88+22.250 | 89+44.170 | RT. | 121.920 | | | 88+40.00 | 89+40.000 | 3.6 | 4.6 | 15.240 | | 0.300 | | | | 1 | | | 1 | | | | | | | | | |
| | SUB-TOTAL | | | 4,659.630 | | | | | | | | | | | | 8 | 20 | 2 | 6 | 12 | 36 | | | | | 8,895.174 | 8,788.774 | 94.753 | |