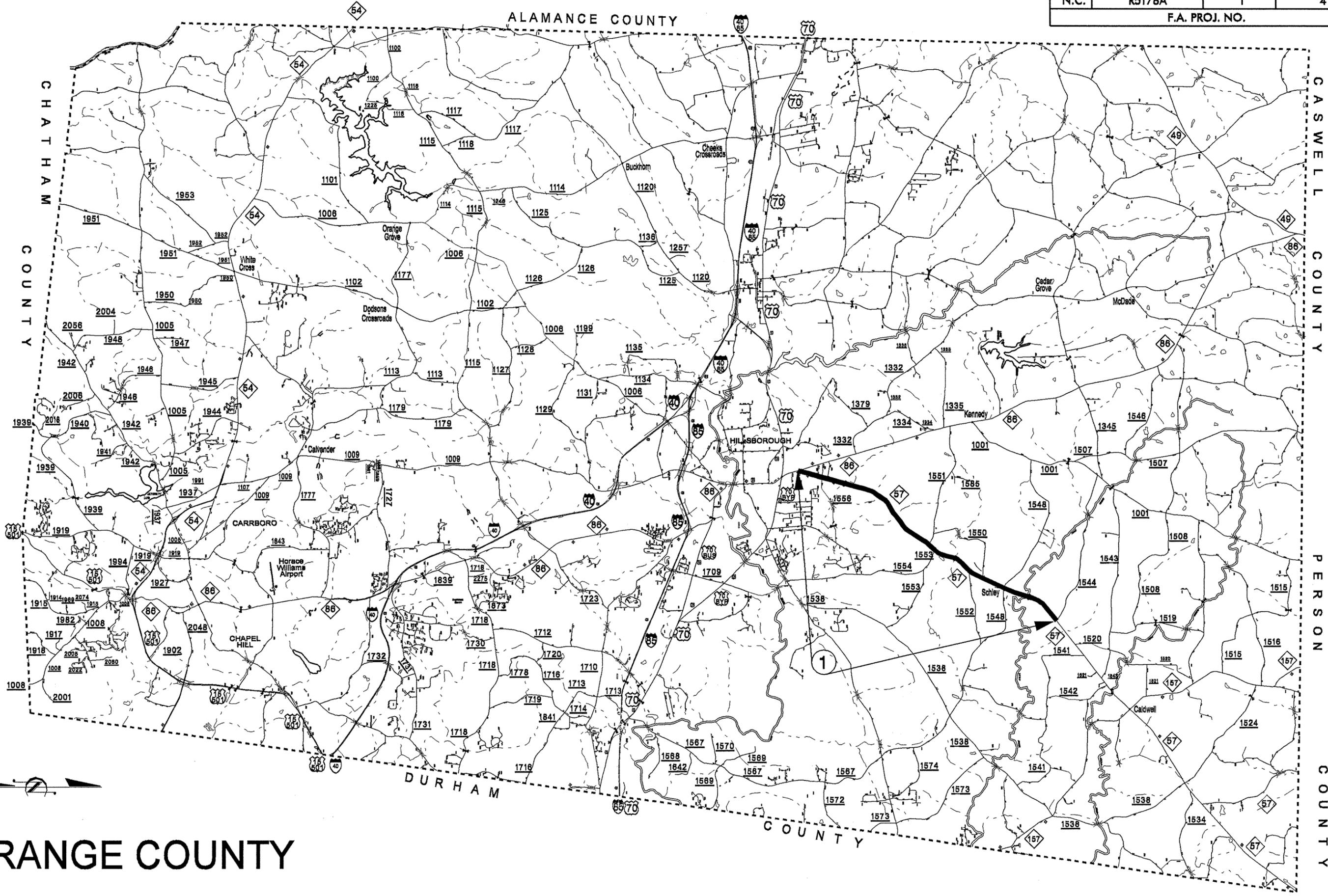


| | | | |
|----------------|-------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | R5178A | 1 | 4 |
| F.A. PROJ. NO. | | | |

ALAMANCE COUNTY



ORANGE COUNTY

CASWELL COUNTY

PERSON COUNTY

CHATHAM COUNTY

DURHAM

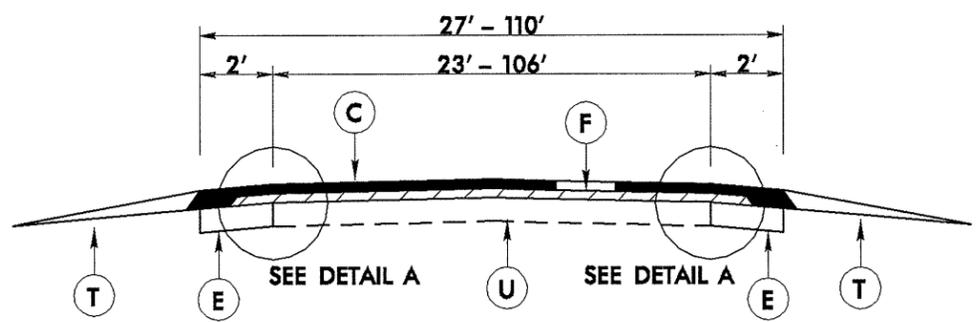
COUNTY

5/28/99

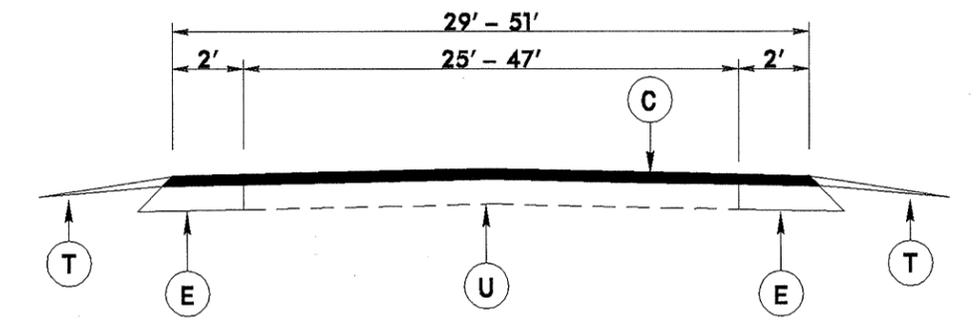
STANDARD CONCRETE ENCASEMENT FOR VALVE CASTINGS IN PAVEMENT

DETAIL DRAWING NO. 858.01

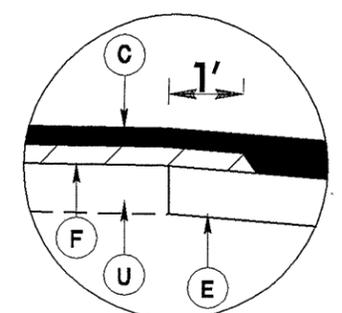
| | | | |
|----------------|-------------|-----------|--------------|
| STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | R-5178A | 2 | 4 |
| F.A. PROJ. NO. | | | |



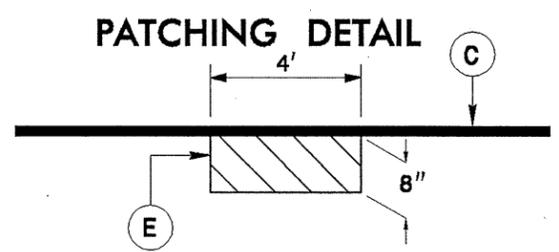
TYPICAL SECTION NO. 1



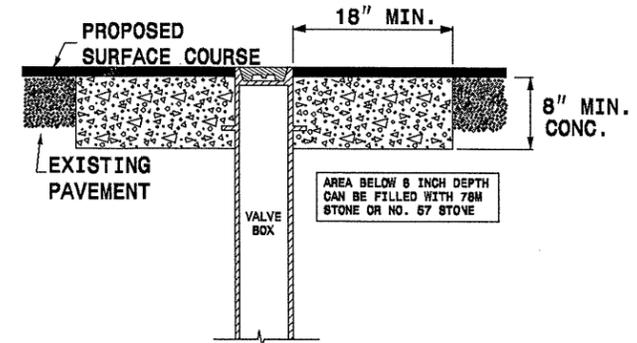
TYPICAL SECTION NO. 2



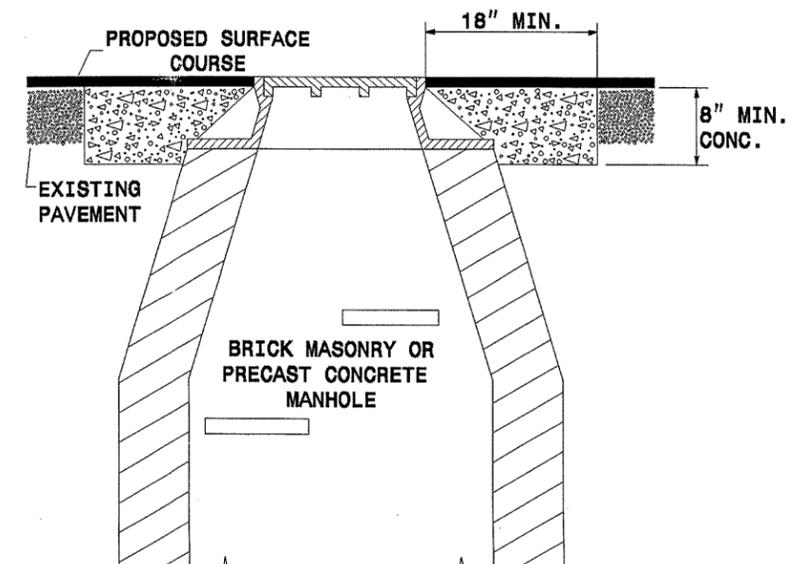
DETAIL A



DIG OUT ASPHALT PAVEMENT 8" IN DEPTH, REPLACE WITH ASPHALT CONCRETE BASE COURSE B25.0B AT LOCATIONS AS DIRECTED BY THE ENGINEER.

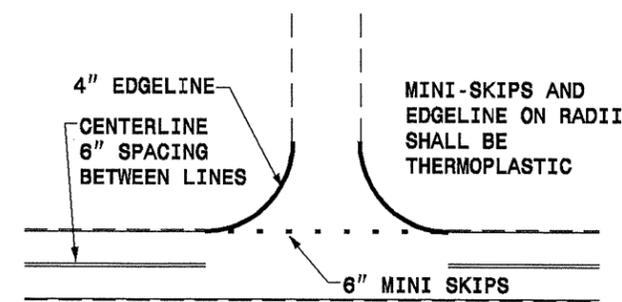


USE RAPID SET GROUT, MORTAR, OR CONCRETE CLASS B CONCRETE MAY BE USED WHEN ADJUSTMENTS ARE NOT IN THE TRAVEL LANE.



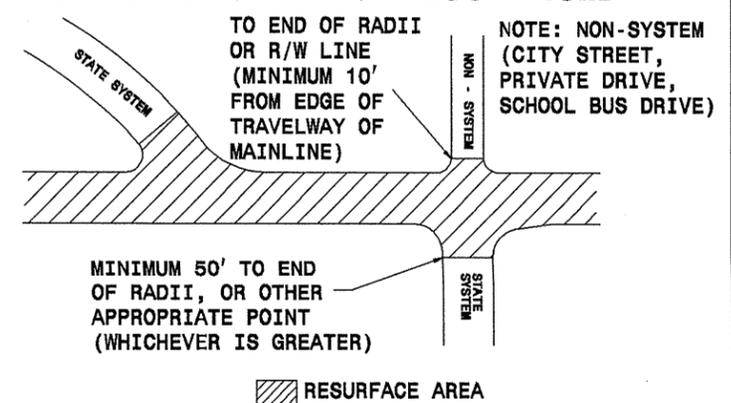
- NOTES:
- MORTAR SHALL BE MIXED TO NCDOT SPECIFICATIONS.
 - ALL FAULTY EXISTING BRICKWORK TO BE REMOVED AND REPLACED WITH NEW BRICK MASONRY.
 - EXCAVATION FOR THE ADJUSTMENT SHALL BE SHEER CUT ON ALL SIDES.
 - USE RAPID SET GROUT, MORTAR OR CONCRETE AS NOTED IN PROJECT SPECIAL PROVISIONS. CLASS B CONCRETE MAY BE USED WHEN THE ADJUSTMENTS ARE NOT IN THE TRAVEL LANE.

STRIPING DETAIL 2 TO BE USED AT ALL NON-SIGNALIZED INTERSECTIONS (NOT TO SCALE)

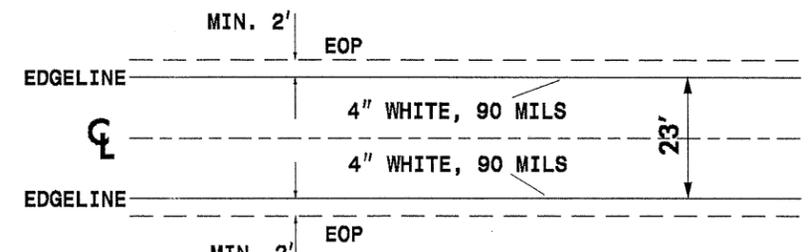


NOTE: MINI SKIPS SHALL BE PLACED ON A 10' CYCLE, CONTAINING AN 8' AND 2' SKIP, THE WIDTH OF THE SKIP SHALL BE 6".

PAVING DETAIL MAIN LINE IS BEING RESURFACED



STRIPING DETAIL 1 GENERAL STRIPING DETAIL FOR ENTIRE PROJECT



- NOTE:
- IN AREAS WHERE THE EXISTING PAVEMENT IS WIDER THAN 23 FEET, USE THE EXISTING PAVEMENT MARKINGS TO ESTABLISH THE STRIPING.
 - USE IN CONJUNCTION WITH THE NCDOT STANDARD DRAWINGS.

| PAVEMENT SCHEDULE | |
|-------------------|--|
| C | PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| E | PROP. APPROX. 8" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS |
| F | AST MAT COAT, 78M |
| T | PROPOSED SHOULDER RECONSTRUCTION. |
| U | EXISTING PAVEMENT. |

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| | | |
|-------------|-----------|-----------|
| PROJECT NO. | SHEET NO. | TOTAL NO. |
| R-5178A | 3 | 4 |

SUMMARY OF QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | TYP NO | FINAL SURFACE TESTING REQUIRED | LENGTH MI | WIDTH FT | INCIDENTAL STONE BASE TONS | SHOULDER RECON-STRUCTION SMI | BASE COURSE, B25.0B TONS | SURFACE COURSE, S9.5B TONS | PG 64-22 PLANT MIX TONS | PATCHING EXISTING PAVEMENT TONS | AST MAT COAT 78M SY | ADJ. OF MANHOLES EA | ADJ. OF METER OR VALVE BOX EA | SEED & MULCHING AC | RESIDENTIAL SEEDING AC | | | | |
|-----------------------------------|--------|--------|---------|---|--------|--------------------------------|--------------|----------|----------------------------|------------------------------|--------------------------|----------------------------|-------------------------|---------------------------------|---------------------|---------------------|-------------------------------|--------------------|------------------------|--|--|--|--|
| R-5178A | Orange | 1 | NC 57 | FROM NC 86 TO JOINT NORTH OF SR 1544 (PEARSON ROAD) | 1 | NO | 0.010 | 60 - 106 | 283 | 12.68 | 12 | 43 | 3 | 725 | 499 | 1 | 1 | 5.39 | 5.38 | | | | |
| | | | | | 1 | NO | 0.020 | 32 - 60 | | | 25 | 89 | 6 | | 563 | | | | | | | | |
| | | | | | 1 | NO | 0.010 | 26 - 30 | | | 12 | 16 | 2 | | 182 | | | | | | | | |
| | | | | | 1 | NO | 0.020 | 23 - 26 | | | 25 | 28 | 3 | | 311 | | | | | | | | |
| | | | | | 1 | NO | 0.060 | 23 | | | 75 | 80 | 8 | | 880 | | | | | | | | |
| | | | | | 1 | NO | 0.020 | 23 - 26 | | | 25 | 28 | 3 | | 311 | | | | | | | | |
| | | | | | 2 | NO | 0.110 | 26 - 47 | | | 137 | 221 | 19 | | | | | | | | | | |
| | | | | | 2 | NO | 0.010 | 37 - 47 | | | 12 | 63 | 4 | | | | | | | | | | |
| | | | | | 2 | NO | 0.050 | 31 - 37 | | | 62 | 94 | 8 | | | | | | | | | | |
| | | | | | 2 | NO | 0.060 | 25 - 31 | | | 75 | 95 | 9 | | | | | | | | | | |
| | | | | | 1 | NO | 0.010 | 23 - 25 | | | 12 | 14 | 1 | | | | | | 153 | | | | |
| | | | | | 1 | NO | 0.860 | 23 | | | | | 1,074 | | 1,235 | 120 | | | 12,613 | | | | |
| | | | | | 1 | NO | 0.070 | 23 - 36 | | | | | 87 | | 116 | 11 | | | 1,294 | | | | |
| | | | | | 1 | NO | 0.040 | 36 | | | | | 50 | | 79 | 7 | | | 892 | | | | |
| | | | | | 1 | NO | 0.020 | 36 - 45 | | | | | 25 | | 44 | 4 | | | 499 | | | | |
| | | | | | 1 | NO | 0.030 | 45 - 53 | | | | | 37 | | 139 | 9 | | | 898 | | | | |
| | | | | | 1 | NO | 0.070 | 24 - 53 | | | | | 87 | | 147 | 13 | | | 1,663 | | | | |
| | | | | | 1 | NO | 1.880 | 23 | | | | | 2,347 | | 2,524 | 252 | | | 27,573 | | | | |
| 1 | NO | 0.020 | 23 - 24 | | | | | 25 | | 47 | 4 | | | 299 | | | | | | | | | |
| 1 | NO | 2.970 | 24 | | | | | 3,708 | | 4,315 | 285 | | | 45,302 | | | | | | | | | |
| TOTAL FOR PROJ NO. R-5178A | | | | | | | 6.340 | | 283 | 12.68 | 7,912 | 9,417 | 771 | 725 | 93,932 | 1 | 1 | 5.39 | 5.38 | | | | |
| GRAND TOTAL | | | | | | | 6.340 | | 283 | 12.68 | 7,912 | 9,417 | 771 | 725 | 93,932 | 1 | 1 | 5.39 | 5.38 | | | | |

| | | |
|-------------|-----------|-----------|
| PROJECT NO. | SHEET NO. | TOTAL NO. |
| R-5178A | 4 | 4 |

THERMOPLASTIC AND PAINT QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | TRAFFIC CONTROL Lump Sum | 4" X 90 M WHITE THERMO LF | 4" X 120 M WHITE THERMO LF | 4" X 120 M YELLOW THERMO LF | 6" X 120 M WHITE THERMO LF | 8" X 90 M WHITE THERMO LF | 24" X 120 M WHITE THERMO LF | THERMO MSG SCHOOL 120 M EA | THERMO LT ARROW 90 M EA | THERMO RT ARROW 90 M EA | THERMO STR & RT ARROW 90 M EA | SNOW PLOWABLE MARKERS CRYSTAL/RED EA | SNOW PLOWABLE MARKERS YELLOW/ YELLOW EA |
|-----------------------------------|--------|--------|-------|--|-----------------------------|------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|------------------------------------|--------------------------------------|-------------------------------------|----------------------------------|----------------------------------|--|--|--|
| R-5178A | Orange | 1 | NC 57 | FROM NC 86 TO JOINT NORTH OF SR 1544 (PEARSON ROAD) | 1 | 67,010 | 807 | 51,237 | 254 | 275 | 250 | 12 | 4 | 1 | 1 | 79 | 565 |
| TOTAL FOR PROJ NO. R-5178A | | | | | 1 | 67,010 | 807 | 51,237 | 254 | 275 | 250 | 12 | 4 | 1 | 1 | 79 | 565 |
| | | | | | | | | 52,044 | | | | | | | 6 | | 644 |
| GRAND TOTAL | | | | | 1 | 67,010 | 807 | 51,237 | 254 | 275 | 250 | 12 | 4 | 1 | 1 | 79 | 565 |
| | | | | | | | | 52,044 | | | | | | | 6 | | 644 |

