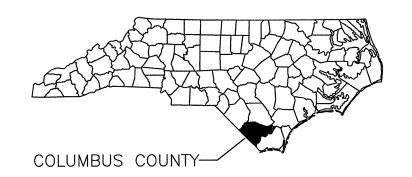
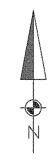
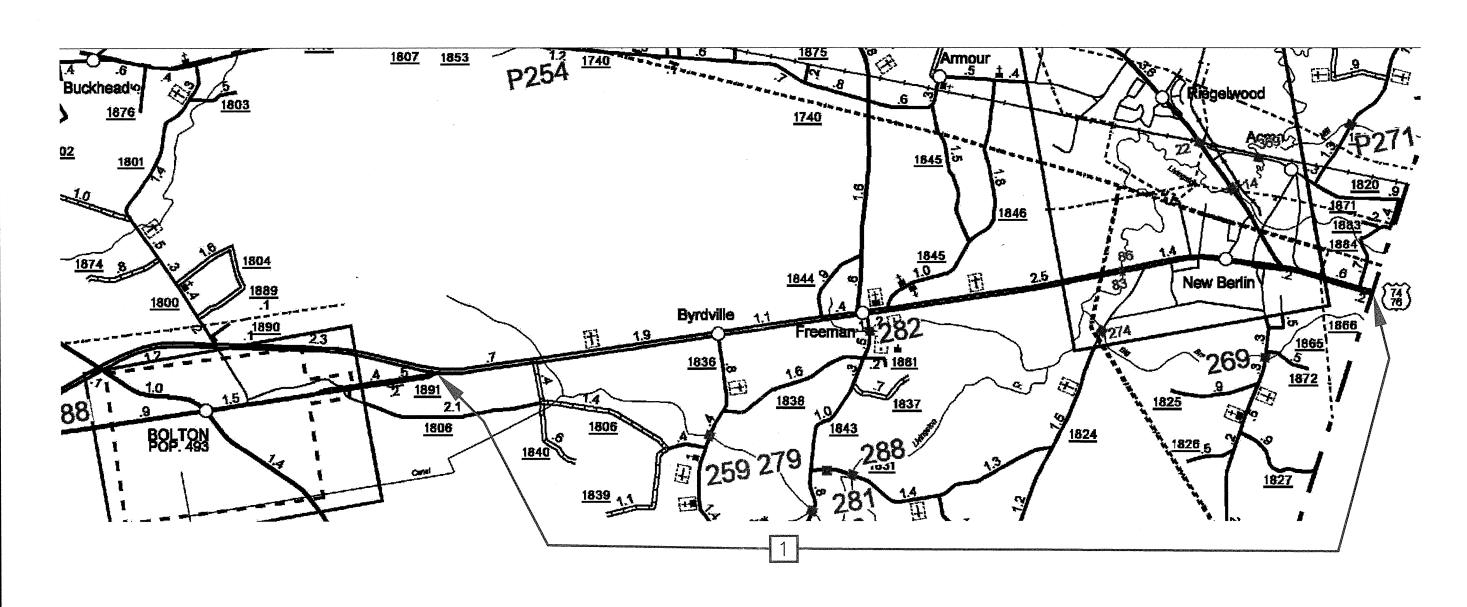
PROJECT REFERENCE NO. SHEET NO. R-5507 1

<u>RESURFACING MAP - COLUMBUS COUNTY</u>







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| PROJECT REFERENCE | # | SHEET # |
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| R-5507 | | 1-A |
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2012 ROADWAY ENGLISH STANDARD DRAWINGS

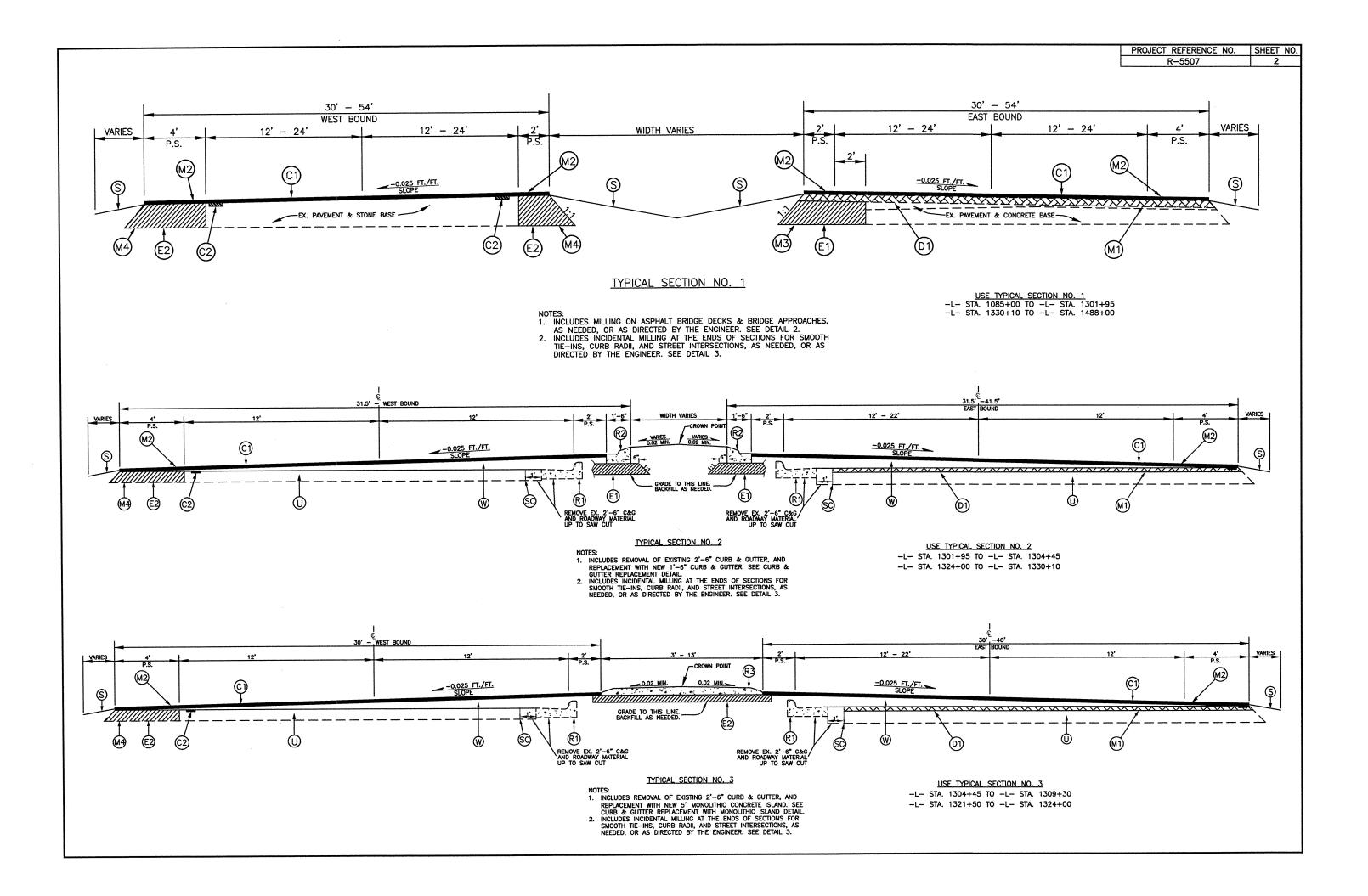
The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

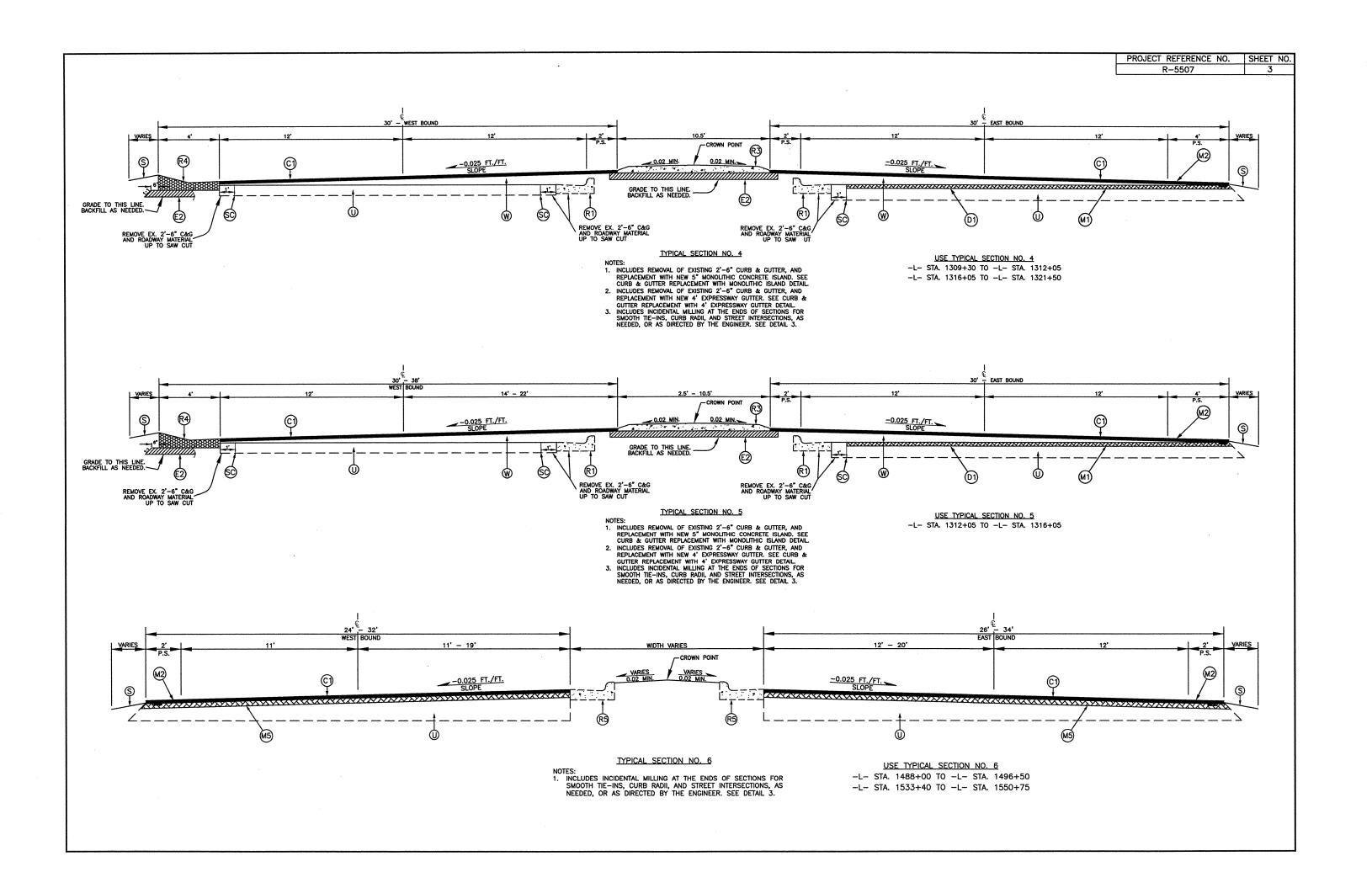
| STD.NO. | TITLE |
|---------|--|
| 300.01 | Method of Pipe Installation |
| 310.02 | Parallel Pipe End Section - Precast Concrete Section for 15" to 24" Pipe |
| 665.01 | Asphalt Shoulders - Milled Rumble Strips |
| 840.18 | Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe |
| 840.22 | Frames and Wide Slot Sag Grates |
| 840.25 | Anchorage for Frames - Brick or Concrete or Precast |
| 840.28 | Brick Grated Drop Inlet Type 'D' - 12" thru 36" Pipe |
| 840.45 | Precast Drainage Structure |
| 840.54 | Manhole Frame and Cover |
| 840.66 | Drainage Structure Steps |
| 840.72 | Pipe Collar |
| 846.01 | Concrete Curb, Gutter and Curb & Gutter |
| 852.01 | Concrete Islands |
| 852.10 | Median Construction - with Curb and Gutter |
| 862.02 | Guardrail Installation |
| 862.03 | Structure Anchor Units |
| | |

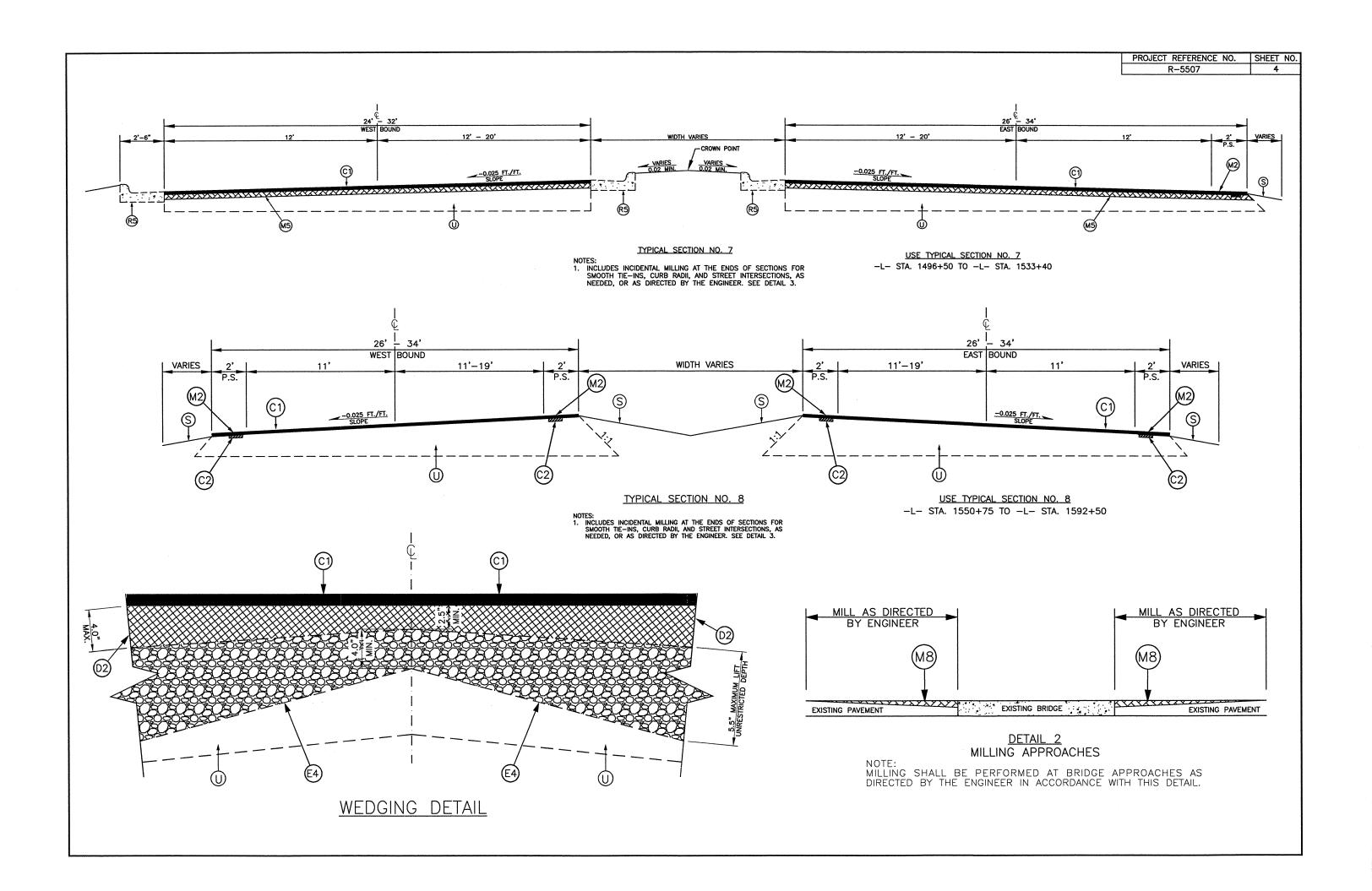
Other Standard Drawings

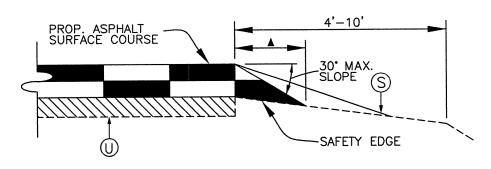
| 1205.02 | |
|---------|--|
| 1205.03 | |
| 1205.04 | |
| 1205.05 | |
| 1205.08 | |
| 1205.10 | |
| 1205.12 | |
| 1250.01 | |
| 1251.01 | |
| 1262.01 | |
| 1605.01 | |
| 1631.01 | |
| 1632.03 | |

1205.01





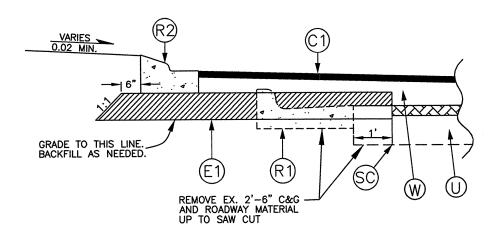




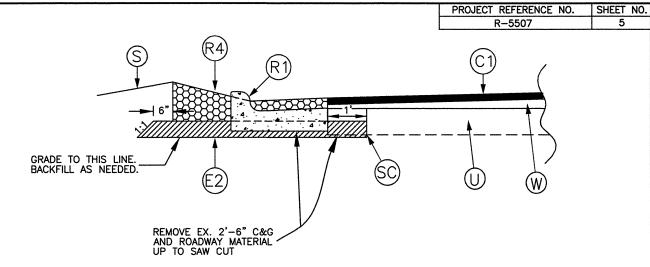
DETAIL 1
SHOULDER WEDGE / SAFETY EDGE

NOTE:

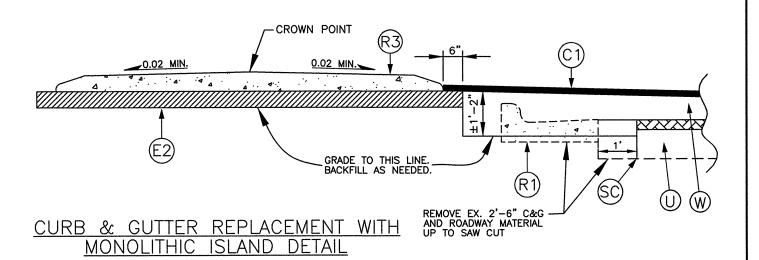
- 1. SAFETY EDGE SHALL BE CONSTRUCTED AS PART OF THE ROADWAY PAVEMENT. A SHOULDER WEDGE DEVICE SHALL BE ADDED TO THE SCREED OF THE PAVING MACHINE.
- 2. SAFETY EDGE SHALL BE INCLUDED ON ALL TYPICALS EXCEPT FOR CURB & GUTTER SECTIONS, OR AS DIRECTED OTHERWISE BY ENGINEER.
- 3. SAFETY EDGE SHALL BE USED ON THE SURFACE LAYER ONLY.
- 4. SAFETY EDGE MAY BE CONSTRUCTED BY HAND WHEN NECESSARY FOR TRANSITIONS AND TURNOUTS.
- 5. THE CONSTRUCTION OF THE SAFETY EDGE, AS WELL AS ANY ADDITIONAL SITE PREPARATION OR EARTHWORK REQUIRED, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE ASPHALT CONCRETE SURFACE COURSE.

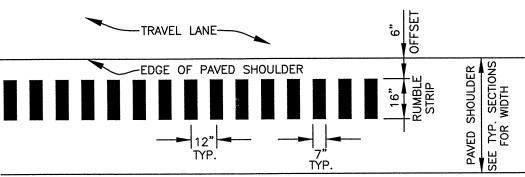


CURB & GUTTER REPLACEMENT DETAIL



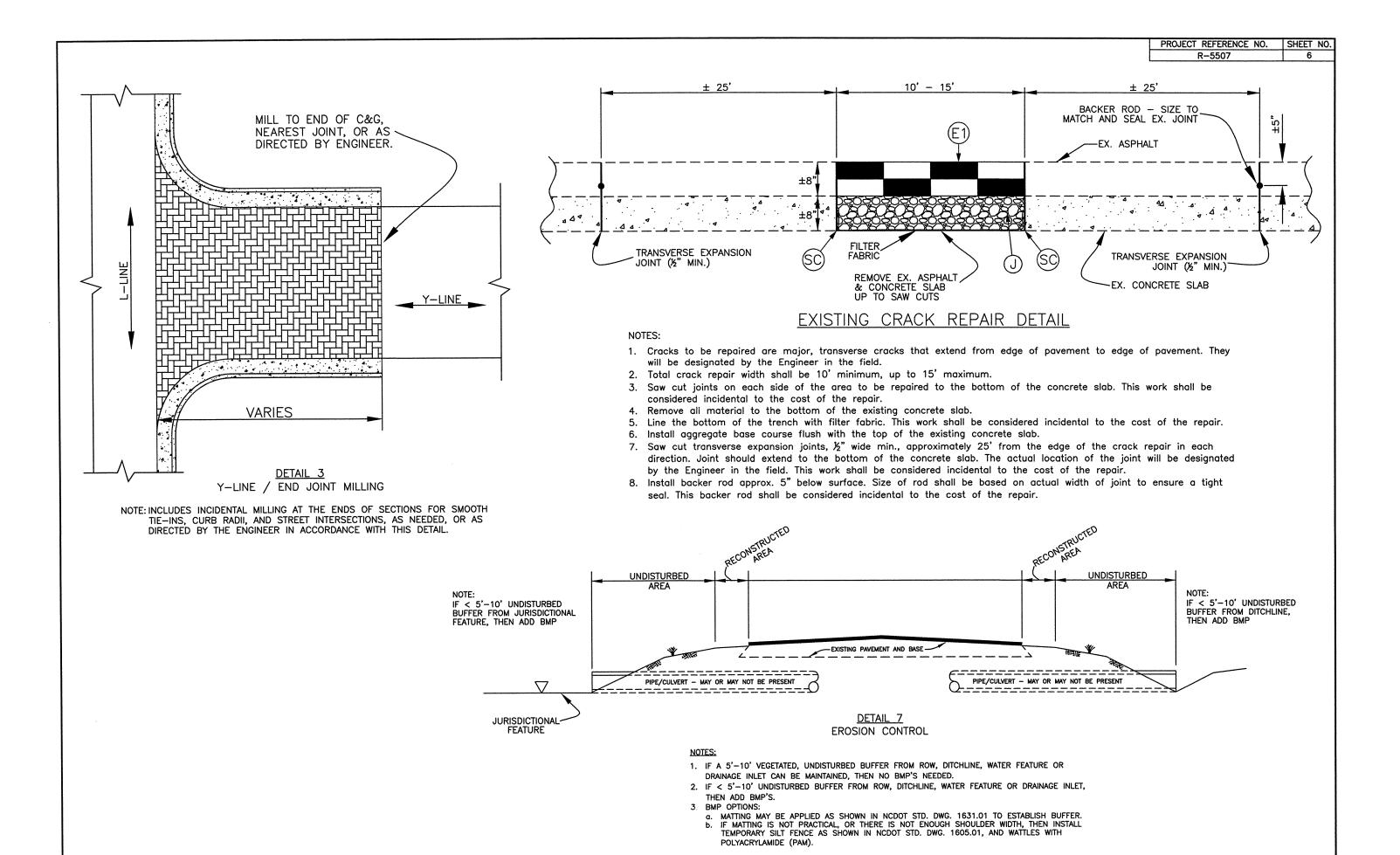
CURB & GUTTER REPLACEMENT WITH 4' EXPRESSWAY GUTTER DETAIL

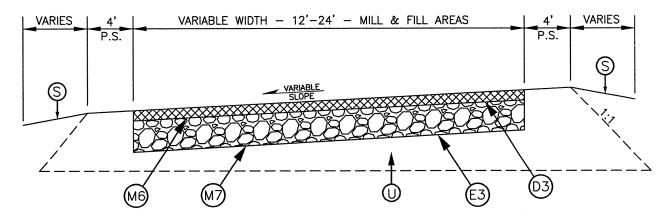




DETAIL 4
PAVED SHOULDER — PLAN VIEW

NOTE:
REFER TO STD. DWG. NO. 665.01 — "ASPHALT SHOULDERS MILLED RUMBLE STRIPS", IN THE NCDOT ROADWAY STANDARD DRAWINGS, LATEST EDITION, FOR ADDITIONAL INFORMATION.

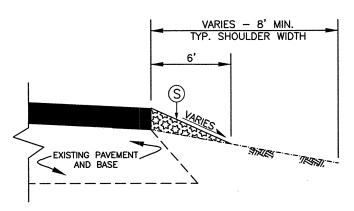




<u>DETAIL 5</u> MILL & FILL PATCHING

NOTE:

- 1. DISTRESSED AREAS TO BE MILL & FILL PATCHED SHALL BE DESIGNATED BY THE FNGINFFR
- 2. SOME AREAS MAY REQUIRE MILLING ONLY TO A DEPTH OF 2½". OTHERS MAY REQUIRE MILLING AN ADDITIONAL 6½". MILLING REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD, AS CONDITIONS WARRANT.
- 3. FILL MILLED AREAS WITH ASPHALT BASE COURSE, AS NEEDED, AND ASPHALT INTERMEDIATE COURSE BACK FLUSH WITH THE EXISTING ASPHALT LEFT IN PLACE, PRIOR TO PLACEMENT OF PROPOSED ASPHALT SURFACE COURSE.



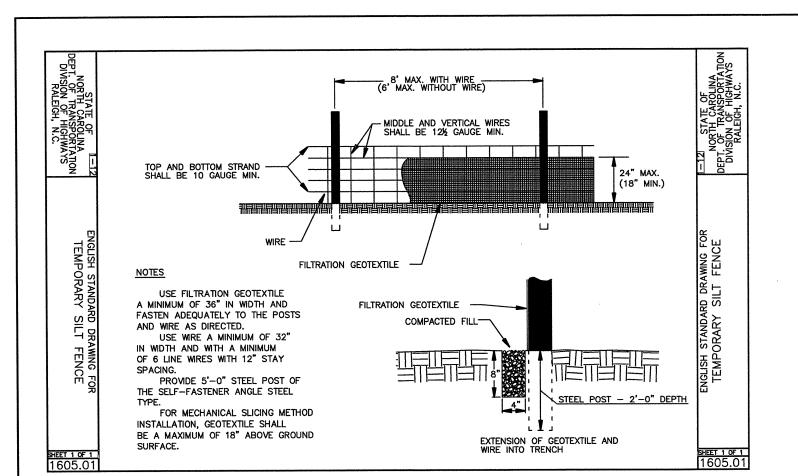
DETAIL 8
SHOULDER RECONSTRUCTION

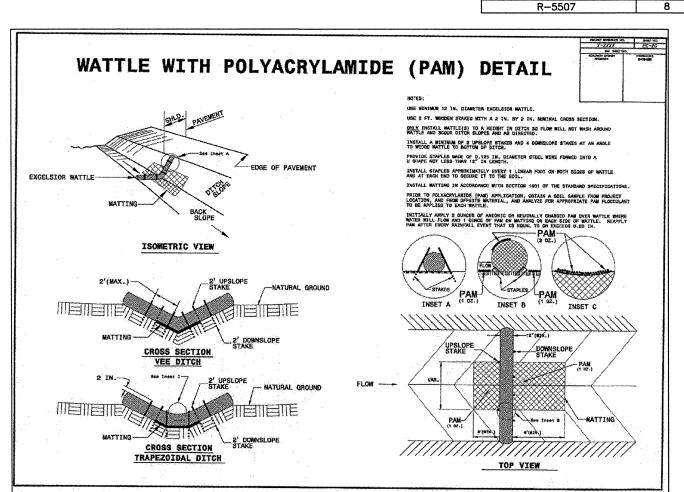
NOTES:

- SHOULDER SHALL BE RECONSTRUCTED FROM THE EDGE OF PAVEMENT OUT TO A WIDTH OF 6', WITH A VARIABLE SLOPE, TYING BACK INTO THE EXISTING SHOULDER. REFER TO ROADWAY STD. DWG. 560.01 FOR MORE DETAIL.
- THE EXISTING SHOULDER SHALL BE SCARIFIED PRIOR TO ADDING BORROW MATERIAL TO PROVIDE A GOOD BOND BETWEEN LAYERS. SHOULDER SHALL BE PROPERLY COMPACTED AFTER SOIL PLACMENT.
- 3. BORROW MATERIAL SHALL BE PLACED USING A WIDENING MACHINE OR
- 4. A VEGETATIVE BUFFER SHALL BE MAINTAINED BETWEEN THE DISTURBED AREA ALONG THE EDGE OF PAVEMENT AND THE DITCH SHOULDER POINT TO MINIMIZE EROSION. PULLING DITCHES OR CUTTING SHOULDERS TO GENERATE BORROW MATERIAL WILL NOT BE ALLOWED.
- 5. REQUIRED BORROW MATERIAL MAY BE OBTAINED BY THE CONTRACTOR FROM WIDENING OPERATIONS WITHIN THE PROJECT LIMITS, FROM NCDOT APPROVED BORROW PITS OR FROM NCDOT STOCKPILES. ANY EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN APPROVED DISPOSAL SITE.

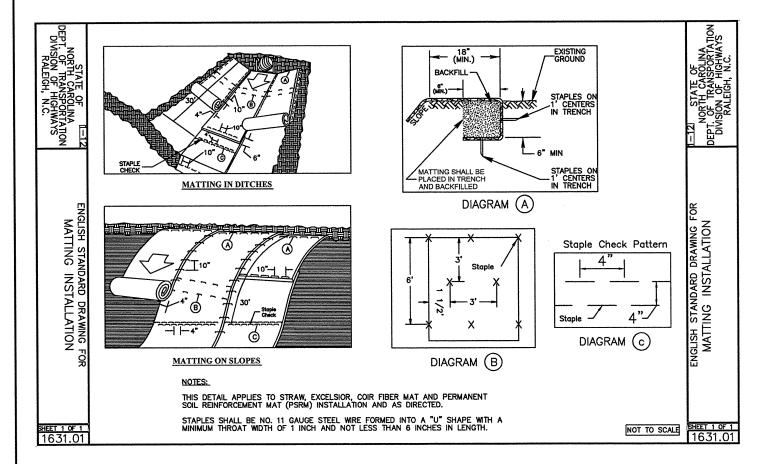
| PROJECT | REFERENCE NO | . SHEET NO. |
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| | R-5507 | 7 |

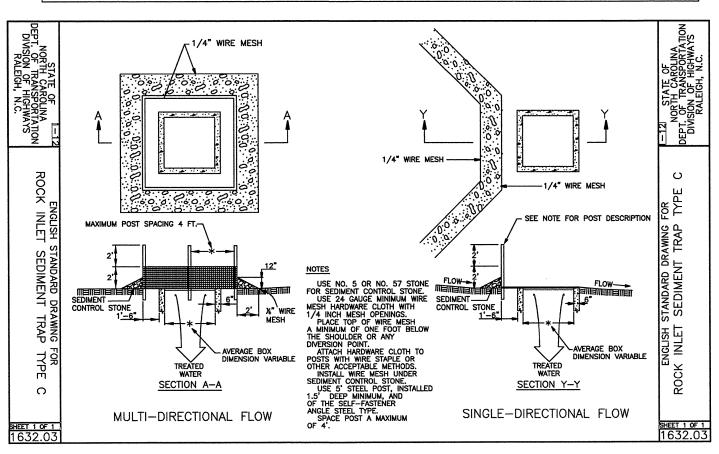
| | PAVEMENT SCHEDULE |
|-----|---|
| | Proposed approximately 2" of Asphalt Concrete Surface Course, Type S-9.5-C, at an |
| C1 | average rate of 224 pounds per square yard. |
| C2 | Proposed approximately ½" of Asphalt Concrete Surface Course, Type S-4.75-A, at an average rate of 50 pounds per square yard, for filling existing Milled Rumble Strips prior to placement of C1. |
| D1 | Proposed approximately 3" of Asphalt Concrete Intermediate Course, Type I—19.0—C, at an average rate of 342 pounds per square yard. |
| D2 | Proposed variable depth Asphalt Concrete Intermediate Course, Type I—19.0—C, at an average rate of 114 lbs. per sq. yd. per 1" depth, to be placed in layers not less than a depth of 2½", nor greater than 4" in depth, with a max. total depth of 4.0". |
| D3 | Proposed approximately 2½" of Asphalt Concrete Intermediate Course, Type I—19.0—C, at an average rate of 285 pounds per square yard. |
| E1 | Proposed approximately 8" of Asphalt Concrete Base Course, Type B—25.0—C, placed in two lifts of 4" each, at an average rate of 456 pounds per square yard per lift, for standard widening. |
| E2 | Proposed approximately 5½" of Asphalt Concrete Base Course, Type B-25.0-C, at an average rate of 627 pounds per square yard for standard widening. |
| E3 | Proposed approximately 6½" of Asphalt Concrete Base Course, Type B-25.0-C, placed in two lifts of 3¼" each, at an average rate of 370.5 pounds per square yard per lift. |
| E4 | Proposed variable depth Asphalt Concrete Base Course, Type B—25.0—C, at an average rate of 114 lbs. per sq. yd. per 1" depth, to be placed in layers not less than a depth of 4", nor greater than 5½" in depth, with no max. total depth. |
| J | Compacted Aggregate Base Course |
| М1 | Milling Depth 3" for the entire width of the roadway, or as Directed by the Engineer. |
| М2 | Proposed Milled Rumble Strips in accordance with Standard Drawing 665.01 of the Roadway Standard Drawings. |
| м3 | Milling Depth 8", with a width of 4' where indicated by Typical, for standard widening. |
| M4 | Milling Depth 5½", with a width of 2' or 4' where indicated by Typical, for standard widening. |
| M5 | Milling Depth 2" for the entire width of the roadway, or as Directed by the Engineer. |
| М6 | Milling Depth 2½" at all designated Mill & Fill Patch Areas, with a variable width from 12' to 24', or as Directed by the Engineer. |
| М7 | Milling Depth 9" at all designated Mill & Fill Patch Areas, with a variable width from 12' to 24', or as Directed by the Engineer. |
| М8 | Milling Depth 0" — 5" at all Bridge Approaches, for the entire width of the roadway, or as Directed by the Engineer. |
| R1 | Existing 2'-6" Curb & Gutter to be removed. |
| R2 | Proposed 1'-6" Curb & Gutter to be installed. |
| R3 | Proposed 5' Monolithic Island to be installed. |
| R4 | Proposed 4' Expressway Gutter to be installed. |
| R5 | Existing 2'-6" Curb & Gutter to remain in place. |
| SC | Saw Cut pavement 1' inside the existing edge of pavement to allow removal of existing 2'-6" curb & gutter. |
| S | Shoulder Reconstruction |
| U | Existing Pavement and Base or Earth Subgrade. |
| w . | Variable Depth Asphalt Pavement (See Wedging Detail) |
| | DRAWINGS NOT TO SCALE |
| L | |

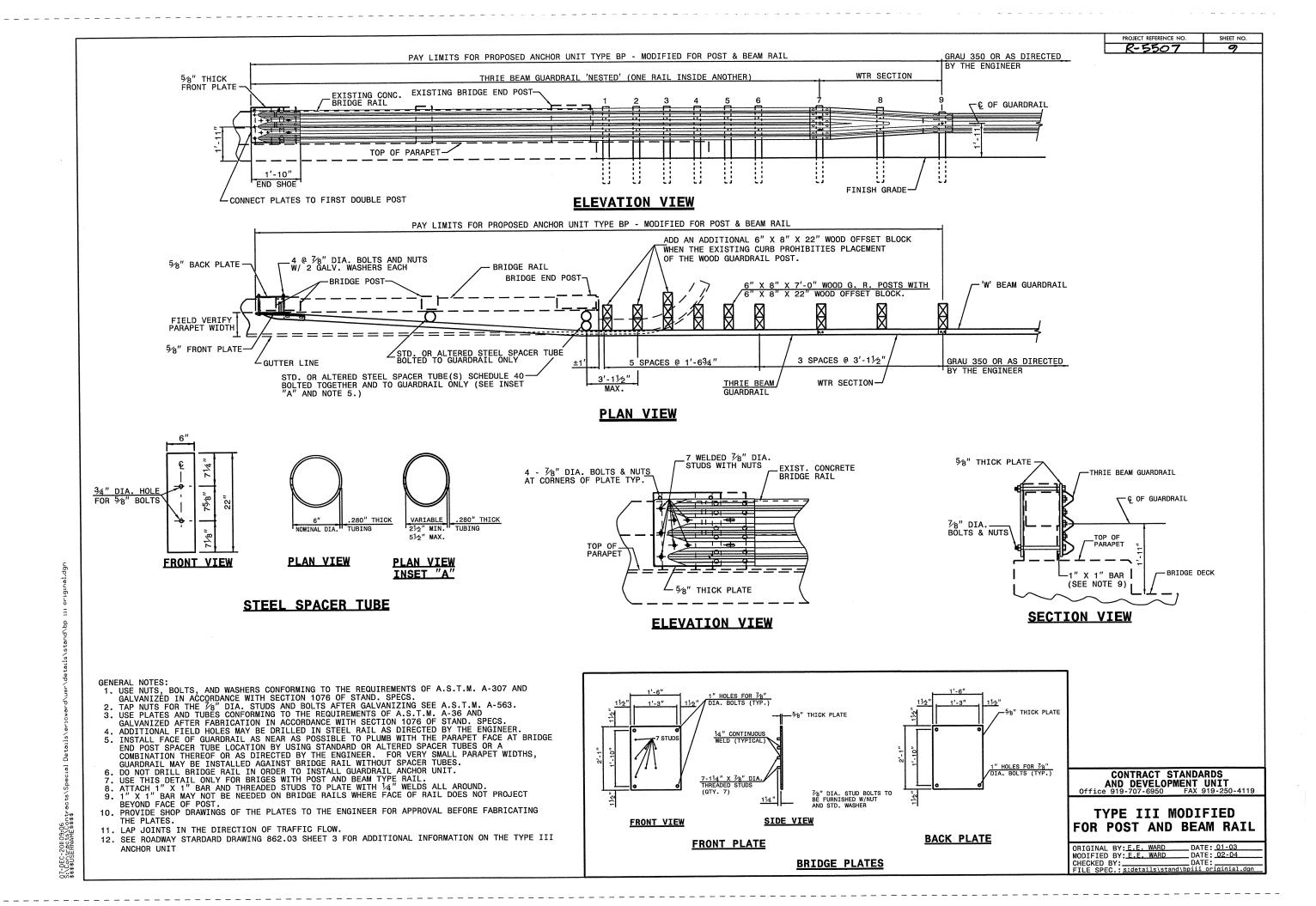


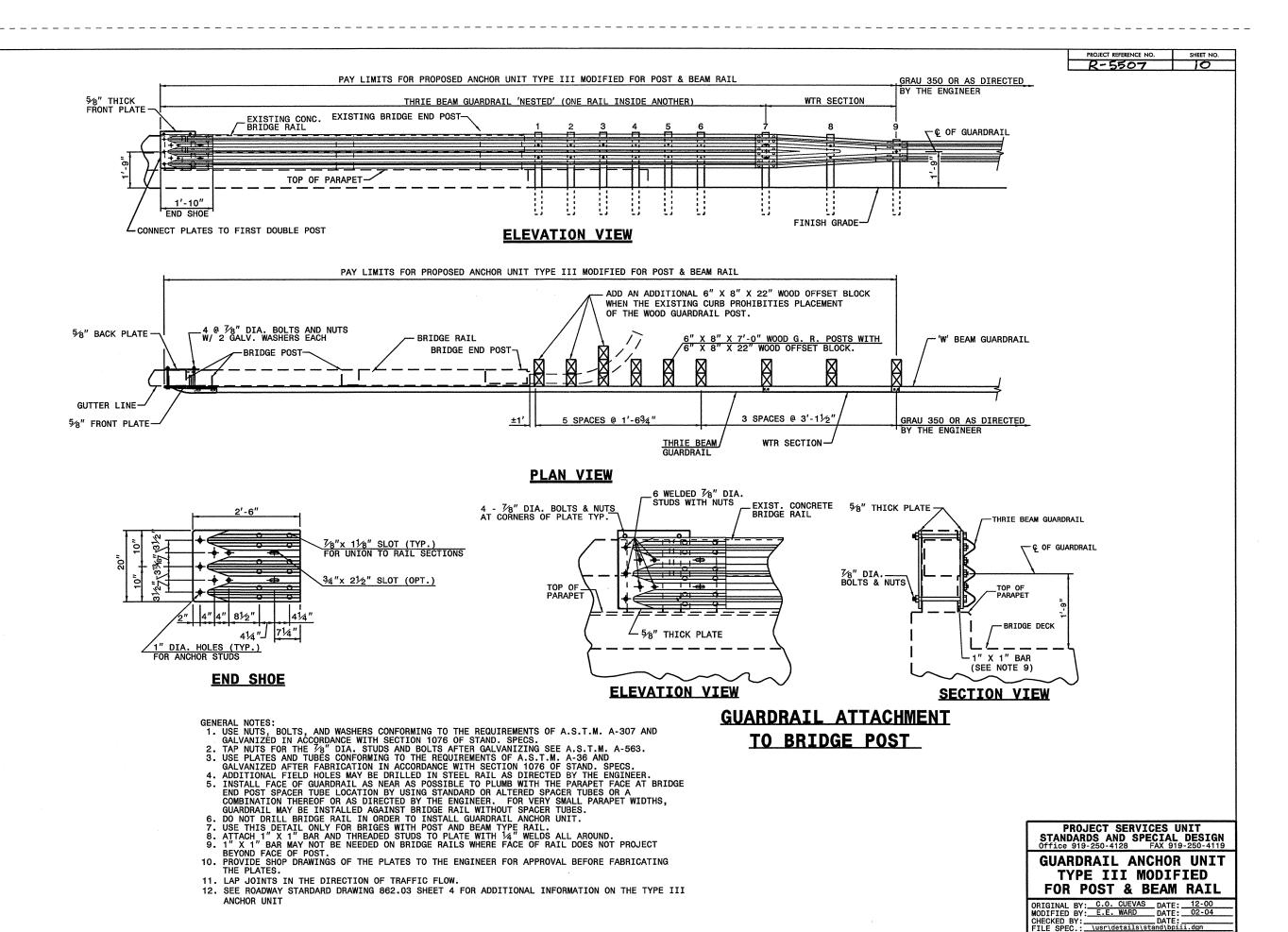


PROJECT REFERENCE NO. | SHEET NO.









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| PROJECT NO. | SHEET NO. | TOTAL NO. |
|-------------|-----------|-----------|
| R-5507 | 11 | |

SUMMARY OF QUANTITIES

| PROJEC1 | COUNT | Y MAP F | ROUTE | DESCRIPTION | TYP | FINAL SURFACE TESTING REQUIRED | LENGTH | WIDTH | CONSTRUC TION SURVEYING | UNDERCUT EXCAVA- TION | GRADING | BORROW EXCAVA- TION | REMOVAL OF EXISTING CONCRETE PAVEMENT | SELECT GRANULAR MATERIAL | GEOTEXTILE FOR SOIL STABILIZ- ATION | FOUND. COND. MATERIAL, MINOR STRUCT. | FOUND. COND. GEO- TEXTILE | 15" RC PIPE CULVERTS, CLASS III | PIPE | | 30" RC PIPE CULVERTS, CLASS III | 36" RC PIPE CULVERTS, CLASS III | PARALLEL PIPE END SECTION | 15" PARALLEL PIPE END SECTION | 18" PARALLEL PIPE END SECTION | | CLASS IV SUBGRADE STABILIZA- TION | NCIDENTAL | SHOULDER RECON- STRUCTION |
|----------|--------------|--|----------|--|---------------|---|--------------|--------------|-------------------------------|-----------------------------|--|---------------------------|---|--------------------------------|--|--|------------------------------------|---------------------------------------|--------------|--------------|--|--|---------------------------------|-------------------------------|-------------------------------|---|--|-----------|---------------------------------|
| NO | | NO | | | NO | | MI | FT | LS | CY | LS | CY | SY | CY | SY | TON | SY | LF | LF | LF | LF | LF | EA | EA | EA | CY | TON | TONS | SMI |
| | | | | FROM NC 214 (STA 1085+00) TO | | | | | | | | | | | | | | | | | | | | | | | | | 1 4044 |
| R-5507 | Columb | us 1 | US 74 | NC 11 (STA 1301+95) | 11 | NO | 4.11 | 60 | | | | | | | | | | | | | | | ļ | ļ | | | | 99 | 16.44 |
| | 1 | 1 1 | . 1 | FROM NC 11 (STA 1301+95) TO NC 11 (STA 1304+45) | 2 | NO | 0.05 | 63 | | | | | 1 | | | | | | | | | | | | | | 1 1 | -, | 0.10 |
| | | | | FROM NC 11 (STA 1304+45) TO | | I NO | 0.05 | 1 03 | + | | - | | + | | | | | | | | | | | † | | | | | 0.10 |
| | ł | - " | . | NC 11 (STA 1309+30) | 3 | NO | 0.09 | 60 | | | | | | | | | | 1 | | | | | | | 1 | | 1 | 2 | 0.18 |
| | <u> </u> | | | FROM NC 11(STA 1309+30) TO NC | | | | 1 | | † | | | | | | | | | | | | | İ | | 1 | | | | |
| | ļ | " | | 11(STA 1312+05) | 4 | NO | 0.05 | 60 | | l | | | | | | | | | | 1 | | | | | | | | 1 | 0.10 |
| | | | | FROM NC 11 (STA 1312+15) TO | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| | | " | " | NC 11 (STA 1316+05) | 5 | NO | 0.08 | 60 | | <u> </u> | | | | | | | | | | 1 | ļ | | | <u></u> | | | | · 2 | 0.16 |
| - | | ١., | | FROM NC 11 (STA 1316+05) TO | | | | | | l | | | 1 | | | | | | | | | | | | | | 1 1 | _ | 1 |
| <u> </u> | ļ | | | NC 11 (STA 1321+50) | 4 | NO | 0.1 | 60 | | | ļ | | ļ | | | | | | | _ | | ļ | ļ | | ļ | | | 2 | 0.20 |
| | | | . | FROM NC 11 (STA 1321+50) TO NC 11 (STA 1324+00) | , | NO | 0.05 | 60 | | | | | 1 | | | | | | | 1 | | | l | | | | 1 1 | , 1 | 0.10 |
| | | | | FROM NC 11 (STA 1324+00) | 3 | I NO | 0.05 | 1 00 | | | | | | | | | | | | | | | | | | | | | 0.10 |
| 1 | | | . | NC 11 (STA 1330+10) | 2 | NO | 0.12 | 63 | | 1 | | | | | | | | | | | | İ | | | | | 1 | 3 | 0.24 |
| | | | | FROM NC 11 (STA 1333+10) TO | - | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | |
| į | 1 | " | " | NC 11 (STA 1488+00) | 2 | NO | 2.99 | 60 | | | 1 | | | | | | | | | | | | | 1 | | | | 72 | 11.96 |
| | | | | FROM DELCO (STA 1488+00) TO | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ļ | | - " | DELCO (STA 1496+50) | 6 | NO | 0.16 | 50 | | | | | ļ | | | | | | | | ļ | <u> </u> | | | | | | 4 | 0.32 |
| | | | | FROM DELCO (STA 1496+50) TO DELCO (STA 1533+40) | 7 | NO | 0.7 | 50 | | | | | | | | | | | | | | | Į. | | | İ | | 17 | 1.40 |
| | | | | FROM DELCO (STA 1533+40) TO | | NO | 0.7 | 50 | | | - | | | | | | | | | | | | | | | | | 1/ | 1.40 |
| 1 | | " | | DELCO (STA 1550+75) | 6 | NO | 0.33 | 50 | | | - | | | | | | | | | | | l | 1 | 1 | 1 | | | 8 | |
| | | +-+ | | FROM DELCO (STA 1550+75) TO | | | | 1 | | 1 | 1 | | | | | | | | | | 1 | · | | † | 1 | | | | |
| 1 |] | | | BRUNSWICK CO LINE (STA | | | | 1 | | 1 | 1 | | | | | | | | | | | 1 | 1 | | | | | | |
| | | 11 | 11 | 1592+50) | 8 | NO | 0.79 | 52 | | | 1 | | | | | | | | | | | | | | | | | 19 | 3.16 |
| | | | | FROM NC 214 (STA 1085+00) TO | | | | 1 | | | 1 | | | | | | | | | | | | 1 | | | 1 | 1 | | |
| | | 1.1 | | BRUNSWICK CO LINE(STA | | 1 | | 50 | 1.00 | | | | 9,700 | 100 | 1,400 | 120 | 200 | 92 | 64 | 784 | 92 | 10 | 21 | | | 300 | 500 | | 1 |
| TO | AL COR | MAP NO. | <u>"</u> | 1592+50) | ļ | NO | 9.61 9.61 | 50 | 1.00 | 200 | 1 1 | 20,000 | 9,700 | 100 100 | 1,400 | 120 120 | 360 360 | 92 | 64 | 784 | 92 | 16 | 21 | 2 | 4 | 300 | 500 | 231 | 34.36 |
| | | OJ NO. R- | | | | | 9.61 | | 1.00 | 200 | | 20,000 | 9,700 | 100 | 1,400 | 120 | 360 | 92 | 64 | 784 | 92 | 16 | 21 | 2 | 4 | 300 | 500 | 231 | 34.36 |
| TOTAL | . 51(1) | 110.11 | | | | | | d | | | | | | | | | | | | | | | | | | • | | | |
| | GRAND | TOTAL | | | | | 9.61 | | 1.00 | 200 | 1 | 20,000 | 9,700 | 100 | 1,400 | 120 | 360 | 92 | 64 | 784 | 92 | 16 | 21 | 2 | 4 | 300 | 500 | 231 | 34.36 |

| PROJECT NO. | SHEET NO. | TOTAL NO. |
|-------------|-----------|-----------|
| R-5507 | 12 | |

SUMMARY OF QUANTITIES

| PROJECT | COUNTY | MAP R | ROUTE | DESCRIPTION | ТҮР | MILLING ASPHALT PAVEMENT, 3"DEPTH | MILLING ASPHALT PAVEMENT, 8"DEPTH | MILLING ASPHALT PAVEMENT, 5.5"DEPTH | | MILLING ASPHALT PAVEMENT, 0" TO 5" | MILLING ASPHALT PAVEMENT, 0" TO 2.5" DEPTH | MILLING ASPHALT PAVEMENT, 2.5" TO 9" | INCIDENTAL MILLING | ASPHALT CONC BASE COURSE, B25.0C | ASPHALT CONC BASE COURSE WEDGING, B25.0C | ASPHALT CONC BASE COURSE UNDER C&G, B25.0C | ASPHALT CONC INTERM. COURSE, 119.0C | ASPHALT CONC INTERM. COURSE WEDGING, I19.0C | ASPHALT CONC INTERM. COURSE, 119.0C (LEVELING COURSE) | ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE) | ASPHALT CONC SURFACE COURSE, S9.5C | ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE) | ASPHALT CONC SURFACE COURSE, TYPE S4.75A | ASPHALT BINDER FOR PLANT MIX | PATCHING EXISTING PAVEMENT | MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE) | GENERIC PAVING ITEM- AGGREGAT E BASE COURSE, CRACK REPAIR | GENERIC PAVING ITEM- ASPHALT CONC BASE COURSE, CRACK REPAIR |
|------------|--------------|--|-------|--|----------------|--|--|--|--------------|---|--|---|-----------------------|---|--|--|---|--|---|---|--|---|---|--|----------------------------------|---|---|---|
| NO | | NO | - | | NO | SY | SY | SY | SY | SY | SY | SY | SY | TONS | | TON | TONS | | TONS | TON | TONS | TON | TON | TONS | TONS | LF | TON | TON |
| | | | | FROM NC 214 (STA 1085+00) TO | | | | | | | | | | | | | | | | | | | | | | | | |
| R-5507 | Columbus | 1 1 | | NC 11 (STA 1301+95) | 1 | 62,691 | 9,645 | 14,467 | | | | | 3,167 | 8,931 | <u> </u> | | 12,369 | | | | 17,537 | | 163 | 2,033 | 123 | | | |
| | | | | FROM NC 11 (STA 1301+95) TO | | | | 147 | | | | | 167 | 040 | 004 | | 2004 | 50 | | | 040 | | 1 | 52 | 1 | 1 | 1 | |
| | | -"- | | NC 11 (STA 1304+45) FROM NC 11 (STA 1304+45) TO | 1 2 | 821 | | 117 | _ | | | | 167 | 212 | 201 | | 291 | 50 | | | 248 | 39 | 1 | 52 | <u> </u> | | | |
| 1 | | | | NC 11 (STA 1309+30) | 3 | 1,478 | | 211 | | | | | 167 | 304 | 361 | | 161 | 92 | 361 | | 413 | 71 | 2 | 88 | 3 | | | |
| | | | | FROM NC 11(STA 1309+30) TO NO | | 1, 110 | | | | | | | | | | | | | 1 | | .,, | | | - 30 | | | | |
| | | " | " | 11(STA 1312+05) | 4 | 821 | | | | | | | 167 | 187 | 201 | | 289 | 52 | | | 232 | 39 | | 50 | | | | |
| | | | | FROM NC 11 (STA 1312+15) TO | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | " | NC 11 (STA 1316+05) | 5 | 1,314 | | | | | | | 500 | 271 | 803 | | 414 | 132 | ļ | ļ | 349 | 63 | | 98 | 2 | <u> </u> | | |
| | į | | . | FROM NC 11 (STA 1316+05) TO | ١. | | | | | | | | 167 | 370 | 401 | | 580 | 102 | | | 444 | 79 | | 98 | | | | |
| | | " | | NC 11 (STA 1321+50) FROM NC 11 (STA 1321+50) TO | 4 | 1,643 | | | - | | | | 167 | 3/0 | 401 | | 560 | 102 | | | 444 | 79 | | 98 | | | | |
| | | ,,, | . | NC 11 (STA 1324+00) | 3 | 821 | | 117 | | | | l | 167 | 157 | 201 | | 291 | 50 | | 1 | 213 | 39 | 1 | 48 | 1 1 | | | |
| ——— | | 1 | | FROM NC 11 (STA 1324+11) TO | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | |
| | 1 | -11 | " | NC 11 (STA 1330+10) | 2 | 1,971 | | 282 | | | | | 167 | 518 | 482 | | 697 | 122 | | 95 | 519 | | 2 | 120 | 3 | | | |
| | | | | FROM NC 11 (STA 1333+10) TO | T | | | | | | | | | | | | | | | | | | | | | | | |
| | | " | -" | NC 11 (STA 1488+00) | 2 | 45,607 | 7,017 | 10,525 | ļ | 2,640 | 14,080 | 2,112 | 2,000 | 7,282 | | | 11,005 | ļ | | ļ | 12,712 | | 118 | 1,607 | 90 | - | | ļ |
| | 1 | | . | FROM DELCO (STA 1488+00) TO DELCO (STA 1496+50) | ۱ | | | | 4,693 | | | | 833 | | | | | l | | | 626 | | | 37 | 5 | | | |
| | | | | FROM DELCO (STA 1496+50) TO | +- | | | | 4,033 | | | | - 000 | | | | | | | | 020 | | | | | <u> </u> | | <u> </u> |
| | 1 | " | " | DELCO (STA 1533+40) | 7 | | | | 20,533 | | | | 1,667 | | | | | | | | 2,592 | | | 153 | 21 | 1 | | |
| | † | | | FROM DELCO (STA 1533+40) TO | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | " | " | DELCO (STA 1550+75) | 6 | | | | 9,680 | | | | 1,333 | | | | | | | <u> </u> | 1,261 | | | 74 | 10 | | ļ | |
| | | | | FROM DELCO (STA 1550+75) TO | 1 | | | | | | | | | | | | | | | | | | | | | 1 | | |
| | | 1 1 | | BRUNSWICK CO LINE (STA 1592+50) | . | | | | | 1 | | | 1,167 | | | | | | | | 2.974 | | 63 | 180 | 24 | | | |
| - | | + | | FROM NC 214 (STA 1085+00) TO | ° | | | | | | | <u> </u> | 1,10/ | | | | | | | | 2,314 | | 03 | 100 | | | | |
| | | | 1 | BRUNSWICK CO LINE(STA | | | | 1 | | Į. | | | | | 1 | | | | | | | | | I | | | | |
| | L | _ " | | 1592+50) | | | | | | | | | | | | 1,796 | | | | | | | | 80 | | 180,000 | 2,100 | 2,200 |
| | AL FOR M | | | | | 117,167 | 16,662 | 25,719 | 34,906 | 2,640 | 14,080 | 2,112 | 11,669 | 18,232 | 2,650 | 1,796 | 26,097 | 600 | 361 | 95 | 40,120 | 330 | 350 | 4,718 | 283 | 180,000 | 2,100 | 2,200 |
| TOTAL | FOR PRO | NO. R- | 5507 | | | 117,167 | 16,662 | 25,719 | 34,906 | 2,640 | 14,080 | 2,112 | 11,669 | İ | 22,678 | | 26 | ,697 | 361 | 95 | 40,120 | 330 | 350 | 4,718 | 283 | 180,000 | 2,100 | 2,200 |
| <u></u> | GRAND TO | TAI | — | | | 117,167 | 16,662 | 25,719 | 34,906 | 2,640 | 14,080 | 2,112 | 11.669 | Т | 22,678 | | 1 26 | .697 | 361 | 95 | 40,120 | 330 | 350 | 4,718 | 283 | 180,000 | 2,100 | 2,200 |
| 1 | GKAND I | /IAL | | | 1 | 117,107 | 10,002 | 25,719 | 34,900 | 2,040 | 14,000 | 1 4,114 | 11,003 | 1 | 22,010 | | | ,001 | 1 301 | 1 33 | 40,120 | 330 | 300 | 4,710 | 203 | 1 100,000 | 2,100 | 2,200 |

| PROJECT NO. | SHEET NO. | TOTAL NO. |
|-------------|-----------|-----------|
| R-5507 | 13 | |

SUMMARY OF QUANTITIES

| PROJECT | COUNTY | MAP | ROUTE | DESCRIPTION | TYP | PIPE COLLARS | MASONRY DRAINAGE STRUCTURES | FRAME WITH GRATE, STD 840.22 | FRAME WITH COVER, STD 840.54 | 1'-6" CURB & GUTTER | EXPRESS- WAY | | STEEL BM GUARDRAIL (WITH STEEL POSTS) | GUARDRAIL ANCHOR UNITS, TYPE 350 | GUARDRAIL ANCHOR UNITS, TYPE III MOD FOR POST & BEAM RAIL | GUARDRAIL ANCHOR UNITS, TYPE III | REMOVE EXISTING GUARDRAIL | TEMP. SILT FENCE | SEDIMENT CONTROL STONE | SILT EXCAVA- TION | MATTING FOR EROSION CONTROL | 1/4" HARDWARE CLOTH | WATTLE | POLYACRY L- AMIDE (PAM) | SEEDING & MULCHING |
|---------|--------------|--|-------|--|----------|-----------------|-----------------------------------|---------------------------------------|---------------------------------------|------------------------|-----------------|--------------|---|---|--|---|---------------------------------|---------------------|------------------------------|-------------------------|--------------------------------------|---------------------------|--------|-------------------------------|--------------------|
| NO | | NO | | | NO | CY | EA | EA | EA | LF | LF | SY | LF | EA | EA | EA | LF | LF | TON | CY | SY | LF | LF | LB | ACR |
| | | 1 | | FROM NC 214 (STA 1085+00) TO | | | | | | | | | | | | | | | | | | | | | |
| R-5507 | Columbus | 3 1 | US 74 | NC 11 (STA 1301+95) | 1 | | | | | | | <u> </u> | | | | | | | | | l | | | | 20 |
| | | | | FROM NC 11 (STA 1301+95) TO | | | | | | | | | l | | İ | | | | | | | | | | |
| L | | " | " | NC 11 (STA 1304+45) | 2 | | | | | | | | | <u> </u> | <u> </u> | | | ······ | | | | | | | 0 |
| | | | | FROM NC 11 (STA 1304+45) TO | 1 | | | | | | | | i | | | | | | | | | | | | |
| | | " | - " | NC 11 (STA 1309+30) | 3 | | | | | | | ļ | | | | | ļ | | | | | | | | 0 |
| 1 | | 1 1 | | FROM NC 11(STA 1309+30) TO NC | 1 . 1 | | | | | | | | Ì | | | | | | | - | | | |] | |
| ļ | | ↓ " ↓ | | 11(STA 1312+05) | 4 | | | | | | | ļ | | ļ | ļ | | | | ļ | | | | | ļ | 0 |
| | | 1 1 | | FROM NC 11 (STA 1312+15) TO NC 11 (STA 1316+05) | _ | | | | | | | | | | | | 1 | | | | • | | | | 0 |
| | | ++ | | FROM NC 11 (STA 1316+05) TO | + 3 | | - | ļ | | | | | | | | | | | | | | | | | 0 |
| | İ | " | | NC 11 (STA 1321+50) | 4 | | | | İ | | | | | | | | | | 1 | | | | | | 4 |
| | | + | | FROM NC 11 (STA 1321+50) TO | + | | | <u> </u> | | | | | | T | | | + | | | | | + | | | |
| | 1 | " | | NC 11 (STA 1324+00) | 3 | | | 1 | | | | | | | , | | | | | | | | | | ۱ ، |
| | | +-+ | | FROM NC 11 (STA 1324+11) TO | + | | <u> </u> | | | | | | | | | | - | | | | | 1 | | | <u>-</u> |
| | | " | " | NC 11 (STA 1330+10) | 2 | | | | | | | İ | | İ | | | 1 | | | | | | | | 1 1 |
| | | + | | FROM NC 11 (STA 1333+10) TO | † | | T | | | | | | | 1 | 1 | | | | 1 | | | | | | |
| | l | " | " | NC 11 (STA 1488+00) | 2 | | | | | | | | | | | | 1 | - | | | | | | | 15 |
| | | | | FROM DELCO (STA 1488+00) TO | 1 | | | | | | | | | | | | | | | | | | | | |
| | ļ | " | " | DELCO (STA 1496+50) | 6 | | | | | | | | | <u> </u> | | | | | | | | | | | 1 |
| | | | | FROM DELCO (STA 1496+50) TO | | | | | | | | | | | | | | | | | | | | | |
| | <u> </u> | " | " | DELCO (STA 1533+40) | 7 | | | | ٠ | | | <u> </u> | | | | | | | | | | | | | 3 |
| | | | | FROM DELCO (STA 1533+40) TO | 1 | | | | | | | | | | | | 1 | | | | Ì | | | | |
| | | <u> " </u> | ". | DELCO (STA 1550+75) | 6 | | <u> </u> | | | | | | | ļ | | | | | | | | | | | 2 |
| | 1 | | 1 | FROM DELCO (STA 1550+75) TO | 1 1 | | | | | 1 | | | | | | | | | | | | | | | |
| | | 1 1 | | BRUNSWICK CO LINE (STA | | | | | | | | | | 1 | | | | | | | | | | } | |
| | ļ | | | 1592+50) FROM NC 214 (STA 1085+00) TO | 8 | | | l | ļ | | | ļ | | | | ļ | | | | | | | | ļ | 4 |
| | i | 1 1 | ŀ | BRUNSWICK CO LINE(STA | | | | | • | t | | | | 1 | | 1 | | | | | | | | ł | |
| | | " | . [| 1592+50) | | 20 | 18 | . 8 | 10 | 1,800 | 1,300 | 2,500 | 5,000 | 28 | 3 | 3 | 5,000 | 2,900 | 75 | 300 | 780 | 1,000 | 1,400 | 60 | |
| TOT | AL FOR M | AP NO. | .1 | | 1 | 20 | 18 | 8 | 10 | 1.800 | 1,300 | 2,500 | 5.000 | 28 | 3 | 3 | 5,000 | 2,900 | 75 | 300 | 780 | 1,000 | 1,400 | 60 | 47 |
| | FOR PRO | | | | 1 | 20 | 18 | 8 | 10 | 1,800 | 1,300 | 2,500 | 5,000 | 28 | 3 | 3 | 5,000 | 2,900 | 75 | 300 | 780 | 1,000 | 1,400 | 60 | 47 |
| | | | | | J | | | ······ | | | .,, | 1 | | | 4 | · | | | | | <u> </u> | | | · | · |
| | GRAND TO | DTAL | T | | | 20 | 18 | 8 | 10 | 1,800 | 1,300 | 2,500 | 5,000 | 28 | 3 | 3 | 5,000 | 2,900 | 75 | 300 | 780 | 1,000 | 1,400 | 60 | 47 |
| L | | | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | | | | | | | ······ | | <u> </u> | 4 | ····· | | | · | <u> </u> | | | | * |

Note: There may be situations where the Contractor will need to anchor guardrail posts on box culverts.

| PROJECT NO. | SHEET NO. | TOTAL NO. |
|-------------|-----------|-----------|
| R-5507 | 14 | |

THERMOPLASTIC AND PAINT QUANTITIES

| | | T | | | | | 4399000000-N | | 0000-E | | 4700000000-E | 4710000000-E | 4721000000-E | | 472500 | 0000-E | | 4775000000-E | 481000 | 0000-E | 4850000000-E | 4900000000-N |
|-------------|----------|--------------|-------|--|--------|-------|--------------|-----------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|---------|--|--------------|----------|----------|--------------|--------------|
| PROJECT | COUNTY | MAP | ROUTE | DESCRIPTION | LENGTH | WIDTH | TEMP. | 6" X 90 M | 6" X 90 M | 6" X 120 M | 12" X 90 M | 24" X 120 M | THERMO | THERMO | THERMO | THERMO | THERMO | COLD | 4" | 4" | 4" LINE | CRYSTAL & |
| | | | | | | | TRAFFIC | YELLOW | WHITE | WHITE | WHITE | WHITE | MSG | STR & RT | STR | RT | LT | APPLIED | WHITE | YELLOW | REMOVAL | RED |
| | | | | | | | CONTROL | THERMO | THERMO | THERMO | THERMO | THERMO | SCHOOL | ARROW | ARROW | ARROW | ARROW | PLASTIC | PAINT | PAINT | | MARKERS |
| | | 1 | | | | | | | | | | | 120 M | 90 M | 90 M | 90 M | 90 M | PAVEMENT | | | | |
| | | | | | | | | | | | | | | 1 | | | | MARKING | | | | |
| | | | | | | | | | | | | | | l | Ì | | | LINES, TYPE | | | |] |
| | | | | | | | | | | | | | | į | 1 | | | III (6'') | | | | |
| NO | | NO | | | | | LS | LF | LF | LF | LF | LF | EA | EA | EA | EA | EA | LF | LF | LF | LF | EA |
| | | | | FROM NC 214 (STA 1085+00) TO | | | | | | | | | | | | | | | | | | |
| R-5507 | Columbus | 1 | US 74 | | 4.11 | 60 | | | | | | | | | | | | | | | | · |
| | | | | FROM NC 11 (STA 1301+95) TO NC | | | | | | | | | | | | | | | | | | |
| | | " | 17 | 11 (STA 1304+45) | 0.05 | 63 | | | | | | | | <u> </u> | | | | | | | | |
| | | | | FROM NC 11 (STA 1304+45) TO NC | | | | | | | | | | | | | | | | l | | |
| | | " | 11 | 11 (STA 1309+30) | 0.09 | 60 | | | | | | | | | | | | | | <u></u> | | |
| | | | | FROM NC 11(STA 1309+30) TO NC | | | | | | | | 1 | | | | | | | | | | |
| | | <u> "</u> | " | 11(STA 1312+05) | 0.05 | 60 | | | | | | | | | | | | | | <u> </u> | | |
| | | 1 | | FROM NC 11 (STA 1312+15) TO NC | | | | | | | | | | | | | | | | | | |
| <u> </u> | | <u> </u> | | 11 (STA 1316+05) | 80.0 | 60 | | | | ļ | | ļ | | | | | ļ | | | | | |
| 1 | | 1 . | | FROM NC 11 (STA 1316+05) TO NC | | | | | | 1 | | l | | | | | | | | | | |
| | | <u> </u> | | 11 (STA 1321+50) | 0.1 | 60 | | | ļ | ↓ | | | | | | | | ļ | | | <u> </u> | ļ |
| | | ١ | ., | FROM NC 11 (STA 1321+50) TO NC | | | | | | | | | | | | | 1 | | | | | 1 |
| | | - | | 11 (STA 1324+00) FROM NC 11 (STA 1324+11) TO NC | 0.05 | 60 | | | ļ | | | <u> </u> | ļ | | | | | | | | | |
| | | ۱., | ., | 11 (STA 1324+11) 10 NC | 0.12 | 63 | | | | 1 | | | | | | | l | | | | | |
| | | + | | | | 63 | | | ļ | | | | | | | | | | | | | |
| | | | ., | FROM NC 11 (STA 1333+10) TO NC 11 (STA 1488+00) | 2.99 | 60 | | | | | | | 1 | | 1 | | | | | | | |
| | | ┿ | | FROM DELCO (STA 1488+00) TO | 2.99 | - 60 | | | | | ļ | | | | | | | | | | | |
| 1 | | | ., | DELCO (STA 1486+00) TO | 0.16 | 50 | | | | | | | | | | | | | | | | |
| | | ┼ | | FROM DELCO (STA 1496+50) TO | 0.16 | 30 | | | | | | | ļ | | <u> </u> | | | | | | | |
| 1 | | " | " | DELCO (STA 1533+40) | 0.7 | 50 | | | | | | | | | | | | | | | | |
| | | | | FROM DELCO (STA 1533+40) TO | U., | | | | | | | 1 | | | | | | † | | | | |
| | | " | | DELCO (STA 1550+75) | 0.33 | 50 | | | | | | | | | | | 1 | | | | İ | |
| | | † | | FROM DELCO (STA 1550+75) TO | 0.00 | | | | | | | | | | | | | | | l | | + |
| | | | | BRUNSWICK CO LINE (STA | | | | | | 1 | | ł | | | 1 | | 1 | | | 1 | | |
| 1 | | " | 11 | 1592+50) | 0.79 | 52 | | | ļ | ł. | | | | į | | | 1 | | | | | |
| | | 1 | | FROM NC 214 (STA 1085+00) TO | | | | | | | | 1 | | | | | | | | | | |
| | | 1 | | BRUNSWICK CO LINE(STA | | | | | | 1 | | İ | | 1 | 1 | 1 | | | | | | |
| 1 | | " | 11 | 1592+50) | 9.61 | 50 | 1 1 | 104,000 | 104,000 | 31,300 | 1,450 | 340 | 12 | 22 | 253 | 1 | 57 | 550 | 110,000 | 45,000 | 550 | 1,750 |
| TOT | AL FOR M | AP NO | . 1 | | 19.23 | | 1 | 104,000 | 104,000 | 31,300 | 1,450 | 340 | 12 | 22 | 253 | 1 | 57 | 550 | 110,000 | 45,000 | 550 | 1,750 |
| | R-5507 | 7 | | | 19.23 | | 1 | 104,000 | 104,000 | 31,300 | 1,450 | 340 | 12 | 22 | 253 | 1 | 57 | 550 | 110,000 | 45,000 | 550 | 1,750 |
| | K-990/ | | | | | | | 208 | ,000 | | | | | | 3 | 33 | | | 155 | ,000 | | |