

DATE : 05/13/92

HPMS SAMPLE SECTIONS  
HIGHWAY INFORMATION SERVICES DIVISION

Caroline

| CO   | ROUTE  | BEGIN | SECT LENGTH | END   | MAP        | COORD    |
|------|--|-------|-------------|-------|------------|----------|
| 05 1 | <del>CO 0018</del> Bee Tree RD                             | 01.74 | 01.62       | 03.36 | GH         | 1130-458 |
| 05 2 | <del>CO 0096</del> Thawley RD                              | 00.00 | 03.47       | 03.47 | G15<br>F15 | 1106-383 |
| 05 3 | <del>AMERICAN</del> <del>CO 0163</del> Hynson RD CORNER RD | 05.73 | 02.39       | 08.12 | GH<br>H15  | 1127-319 |
| 05 4 | <del>CO 0459</del> Grove Agner RD                          | 00.00 | 03.25       | 03.25 | GH         | 1120-340 |

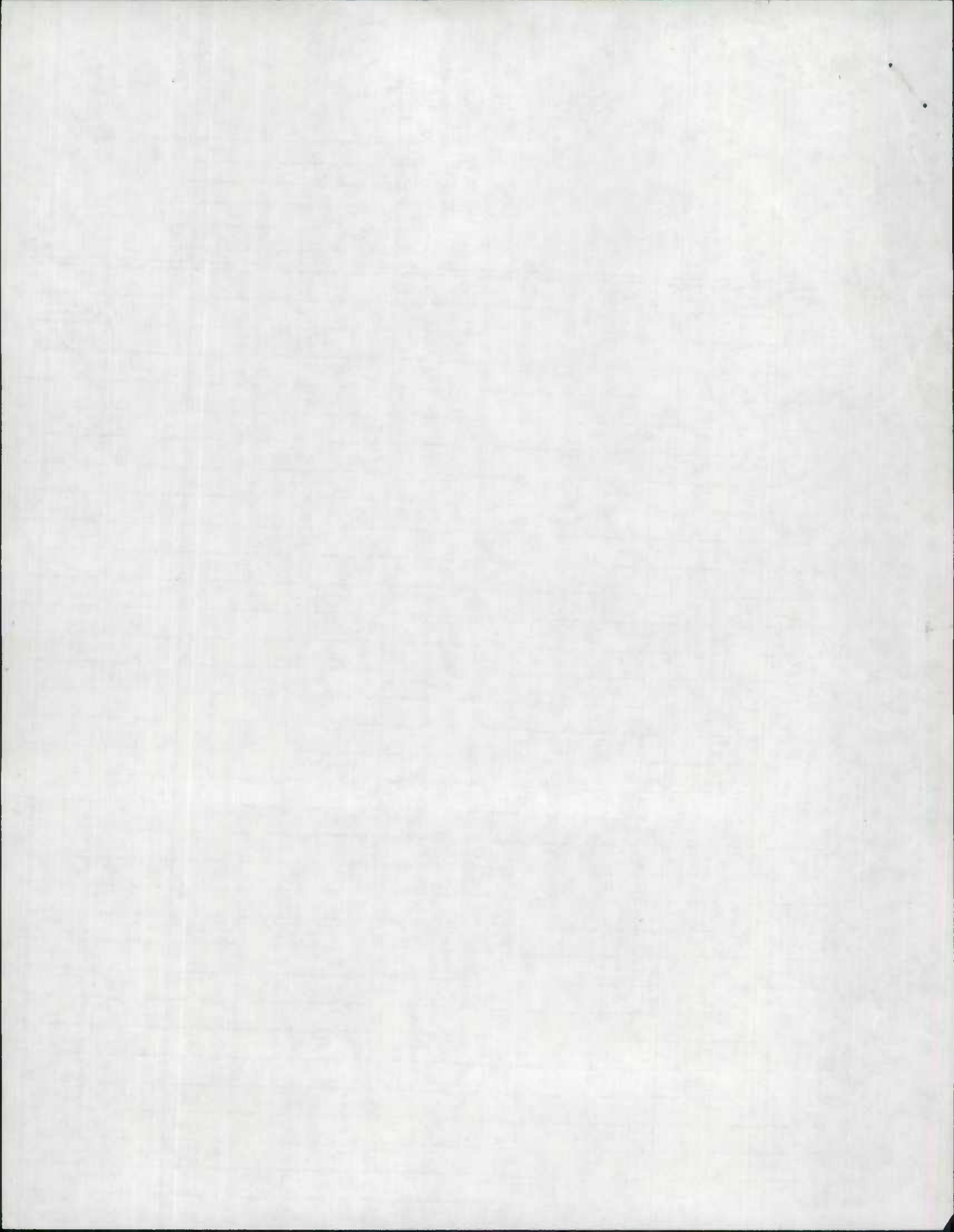
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ROAD INVENTORY SHEET

Road No.     C018      
 Road Name     BEE TREE RD      
 Sheet No.     2 OF 5      
 Date                       
 County                       
 State Coordinates                     

536R-MINOR COLLECTOR  
 FAS NON #3001P00001/4

|  |     |      |        |             |         |
|--|-----|------|--------|-------------|---------|
|  | 45° | PC   | 337    |             | 148' F  |
|  |     |      |        | MELVILLE RD | 32' CW  |
|  |     |      | 336 TL | 2           | X 2ml   |
|  | 15° |      | 331    | H           |         |
|  |     |      |        | (STEELE RD) |         |
|  |     |      | 319    | CO. 23      | 20° ↑   |
|  |     | H HT | 318    |             | 20° ↑   |
|  |     | H    | 302    |             |         |
|  |     |      | 296    | H           | 25° ↑   |
|  | 20° |      | 275    |             |         |
|  |     |      | 264    |             | PT ↓    |
|  |     |      |        |             | 30° ↓   |
|  |     |      | 258    |             | PC ↓    |
|  |     |      | 246    |             |         |
|  |     | PT   |        |             |         |
|  | 90° | PC   | 235    |             |         |
|  |     | H    | 228    |             |         |
|  |     | F    | 226    |             |         |
|  |     |      | 219    | PUT RD 9'D  | 0/24 F  |
|  |     |      | 200    |             | F       |
|  |     | F    | 193    |             |         |
|  |     | H    | 191    |             | 20' F   |
|  |     |      | 175    | CO 22 RD    | F 90° → |
|  |     |      | 174    | LENTZ       | 90° ↓   |
|  |     |      |        |             | X 2ml   |



1106-383

ROAD INVENTORY SHEET

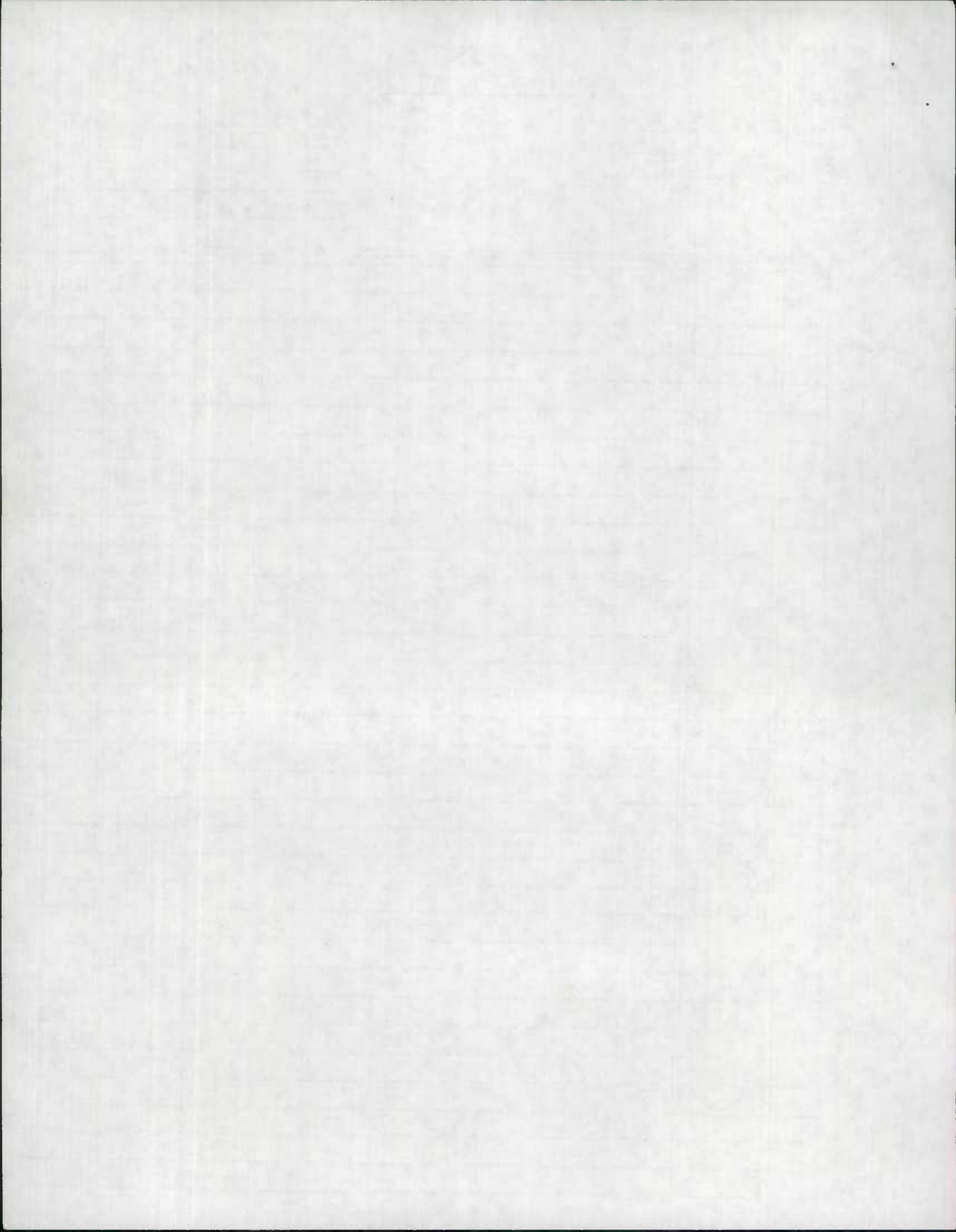
TL VER  
FR. 9/21/77 (2)

Party Chief F. SUTTON  
Recorder Y. L. ANDON  
Chainman \_\_\_\_\_

86-9 BB  
2-10-87 TM

Road No. Co 96  
Name THAWLEY RD  
Sheet No. 10F2  
Date 8-9-66  
County CAROLINE

|           |       |              |      |    |                 |
|-----------|-------|--------------|------|----|-----------------|
|           |       | F 700'       | 143  |    |                 |
|           |       |              | 120  | F  |                 |
|           |       | F 800'       | 116  |    |                 |
|           |       |              | 105  |    | 18' CMP         |
| COLLECTOR |       |              | 0.97 | H  | 25°             |
| COLLECTOR | 25°   | LOG CABIN RD | 0.91 | H  |                 |
| COLLECTOR |       | Co 95        | 0.81 |    | 67-2 40' CW     |
| COLLECTOR |       |              | 0.78 | H  |                 |
| COLLECTOR |       |              | 0.68 |    | 24' CMP         |
| COLLECTOR |       |              | 0.59 |    |                 |
| COLLECTOR | PT    | H            | 0.55 |    | F 800'          |
| COLLECTOR | 30° N |              | 0.54 |    | 90' CW          |
| COLLECTOR | N     |              | 0.27 |    | F 900'          |
| COLLECTOR | PC    |              | 0.18 |    | 12" CMP         |
| COLLECTOR |       |              | 0.06 |    |                 |
| COLLECTOR | 25°   | H            | 0.03 | RD | 30°             |
| COLLECTOR |       | TUCKAHOE     | 0.00 | TL | 88              |
| COLLECTOR |       | Co           |      |    | 22' F<br>40' CW |



ROAD INVENTORY SHEET

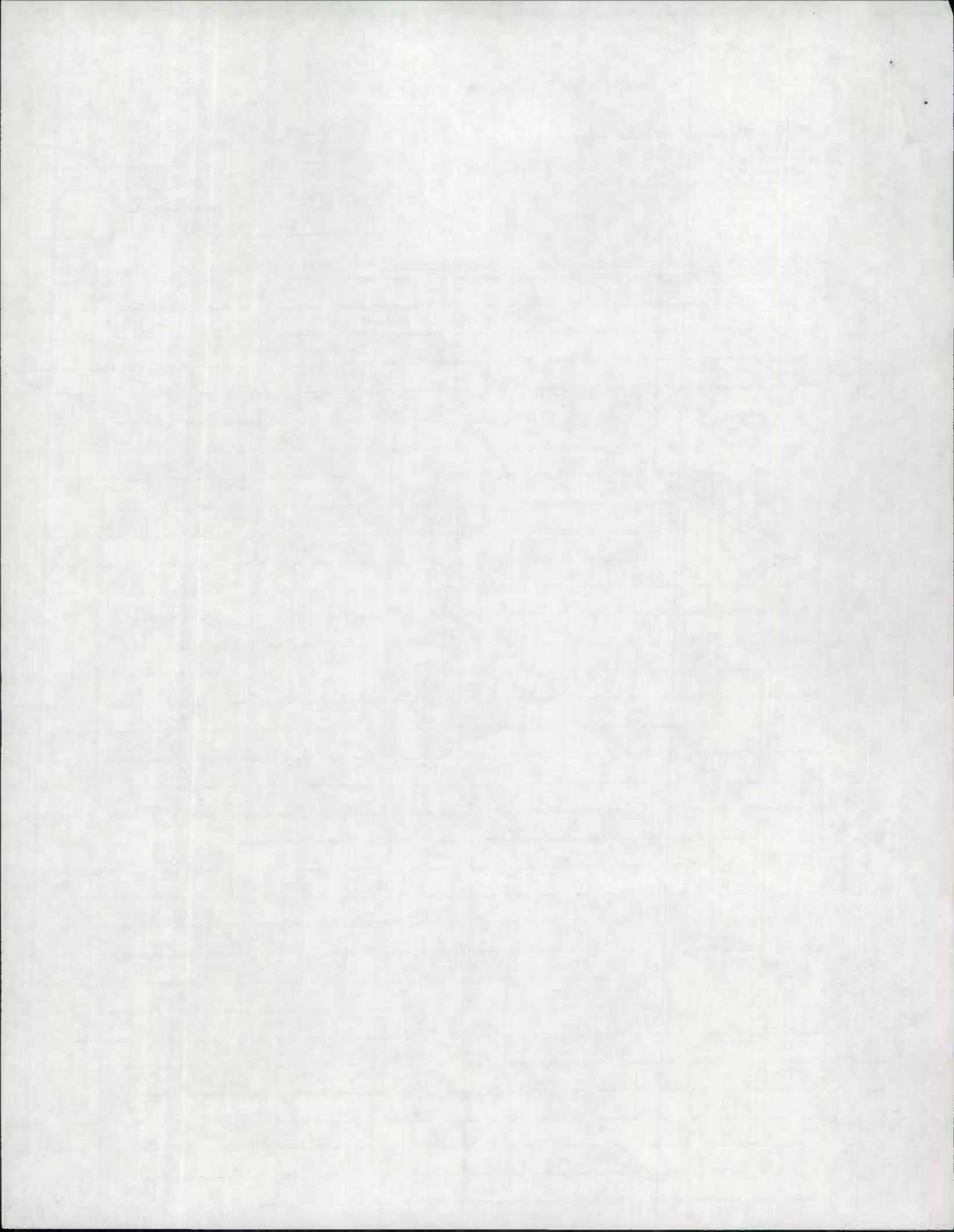
Party Chief F. SEITAN  
 Recorder T. LANDON  
 Chainman \_\_\_\_\_

Road No. Co 96  
 Name \_\_\_\_\_  
 Sheet No. 20F2  
 Date 8-9-66  
 County CAROLINE

|  |  |         |        |                         |                     |
|--|--|---------|--------|-------------------------|---------------------|
|  |  | MD      | 347 TL | 404                     |                     |
|  |  |         | 326    |                         | 12" cmp             |
|  |  |         | 295    |                         |                     |
|  |  |         | 273    |                         | 18" cmp             |
|  |  | F 1000' | 265    | F                       |                     |
|  |  |         | 232    | WILLOW POND RD<br>Co 97 |                     |
|  |  |         | 226    |                         | PT )<br>30'<br>PC ) |
|  |  |         | 220    |                         |                     |
|  |  |         | 199    |                         | 48" cmp             |
|  |  | F 500'  | 197    |                         |                     |
|  |  |         | 176    |                         | 12" cmp             |
|  |  |         | 163    | SAULSBURY RD<br>Co 98   | 20' H'<br>40' cu    |
|  |  |         | 162    |                         | 12" cmp             |
|  |  |         | 150    | REED RD<br>Co 99        | 20' H' X            |
|  |  |         | 146    | HALL                    | 60-2<br>HALL        |

R-~~FA~~ MINOR COLLECTOR

↑↑↑  
↑20°  
↑↑↑  
HIPS  
HIPS





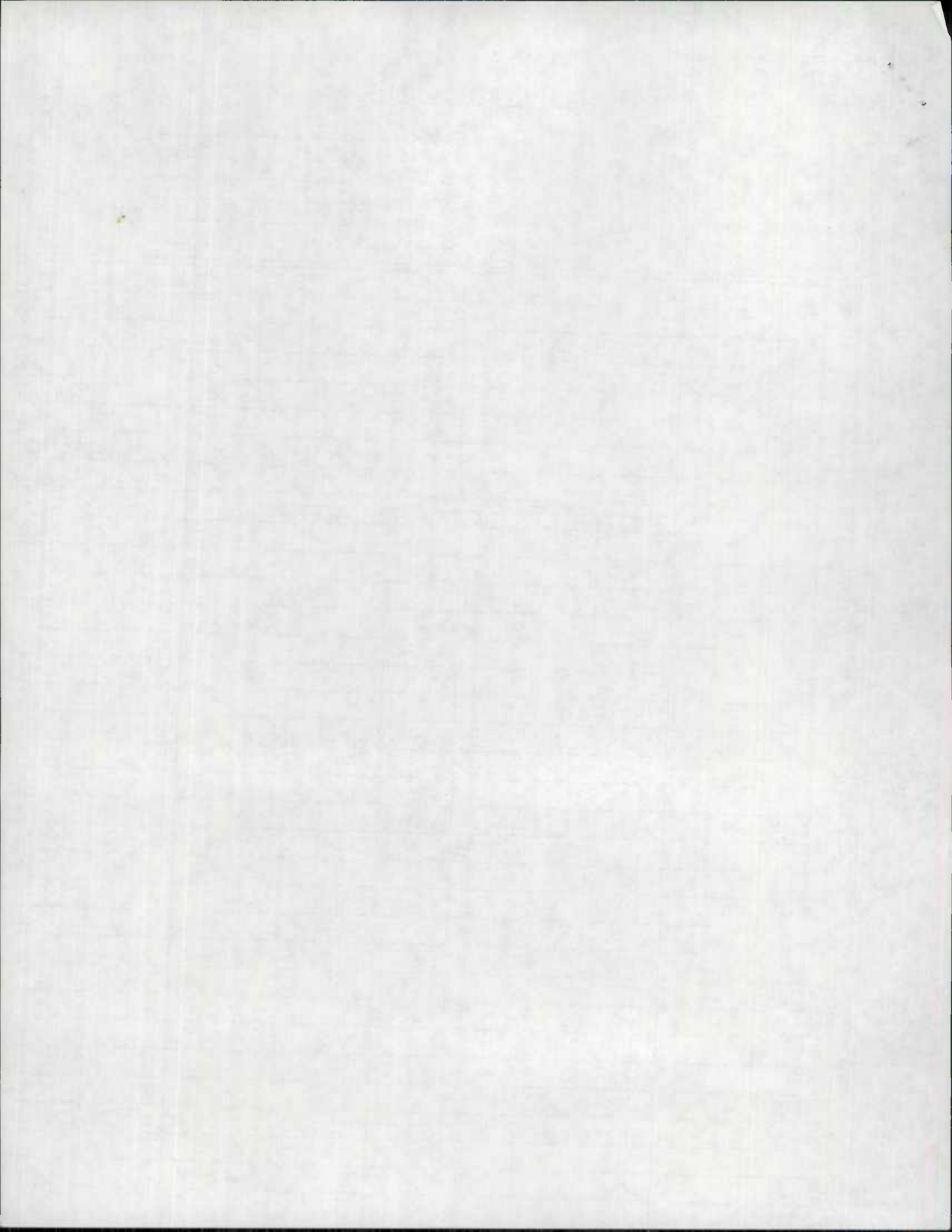
ROAD INVENTORY SHEET

Road No. CO. 163  
 Road Name AMERICAN CORNER RD.  
 Sheet No. 4 OF 7  
 Date 9/13/77  
 County CAROLINE  
 State Coordinates \_\_\_\_\_

|  |  |   |      |  |                              |
|--|--|---|------|--|------------------------------|
|  |  |   | 5 85 | H  |                              |
|  |  |   | 5 83 | B-GAS+GROC.                                    | 7-6                          |
|  |  |   | 5 82 | H  | 22' I                        |
|  |  |   | 5 75 | B-GAS+GROC.                                    | 2-55' I                      |
|  |  | H | 5 73 | ( Grove Agmen MD.G. (MS) TV <del>627</del> 459 | 20' I<br>2-65' I<br>X 36' C. |
|  |  |   | 5 70 | H  |                              |
|  |  |   | 5 64 | H  |                              |
|  |  |   | 5 61 | H  |                              |
|  |  |   | 5 60 | CHURCH (ABAN)                                  |                              |
|  |  | F | 5 58 |  |                              |
|  |  |   | 5 32 |  |                              |
|  |  |   | 5 26 |  | 3 H                          |
|  |  |   | 5 18 |  | F 400'                       |
|  |  |   | 5 14 | H  |                              |
|  |  | H | 5 09 |  |                              |
|  |  |   | 5 02 | PVT. RD<br>9' C                                | 0.36 F                       |
|  |  | H | 4 92 | H  | SAM                          |

HPMS

NPN FA.  
 FA.  
 COLLECTOR  
 NPN  
 MINOR  
 R-M



SHA 51.3-8  
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

ROAD INVENTORY SHEET

Party Chief T. LANDON  
Recorder F. RHODES  
Helper \_\_\_\_\_

Road No. CO. 163  
Road Name AMERICAN CORNER RD  
Sheet No. 5 OF 7  
Date 9/13/77  
County CAROLINE  
State Coordinates \_\_\_\_\_

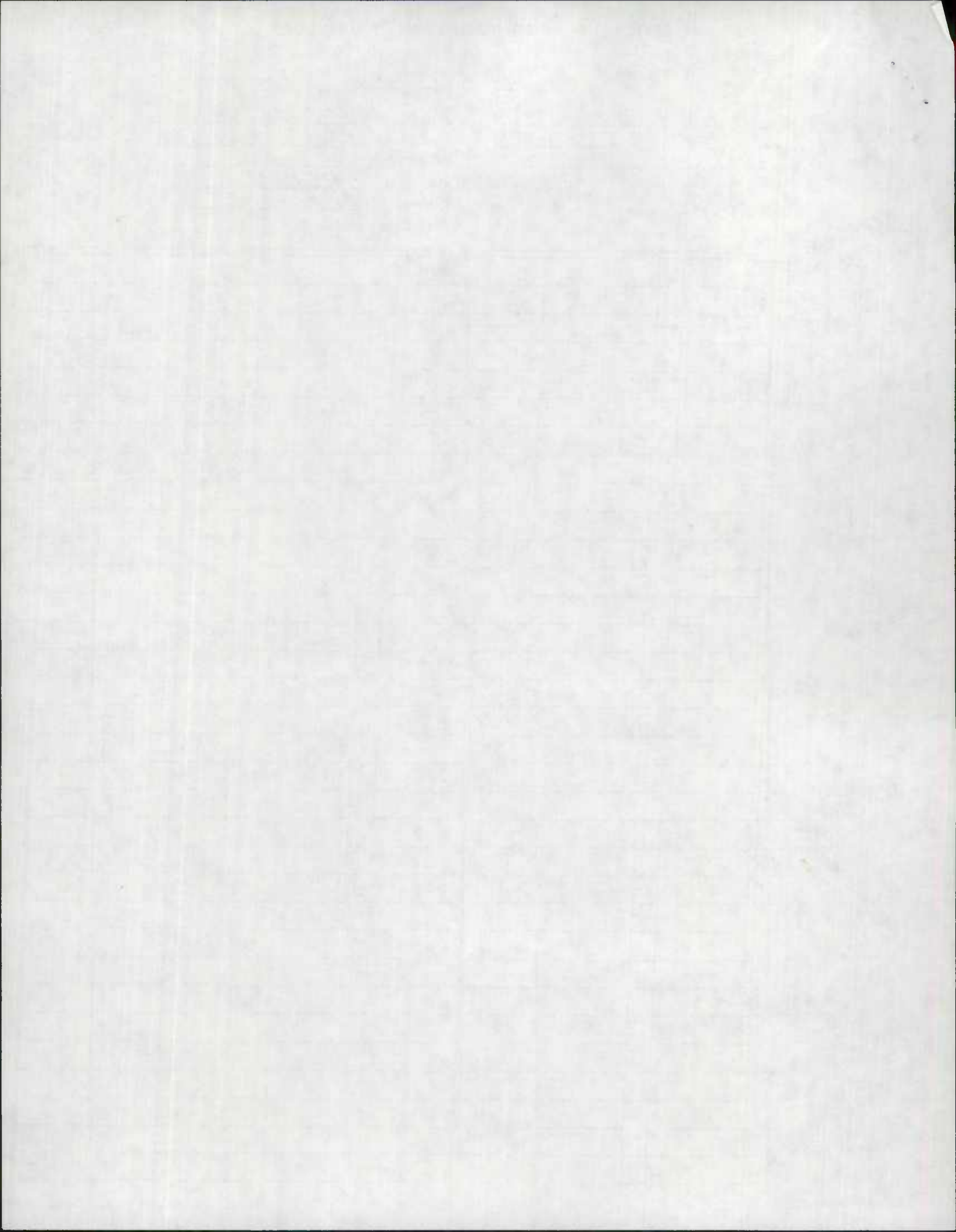
Map No. \_\_\_\_\_

|  |  |  |      |     |      |                             |
|--|--|--|------|-----|------|-----------------------------|
|  |  |  | H    |     | 7 52 |                             |
|  |  |  | PVT. | HTL | RD.  |                             |
|  |  |  | 10'C | 0   | 7 45 | 20° ↗                       |
|  |  |  |      |     | 7 32 | F 500'                      |
|  |  |  |      |     | 7 19 | F 600'                      |
|  |  |  |      |     | 6 98 | 25° ↗                       |
|  |  |  | H    |     | 6 69 |                             |
|  |  |  | HT   |     | 6 66 |                             |
|  |  |  |      |     | 6 62 | JONES CORNER RD.<br>CO. 140 |
|  |  |  |      |     | 6 50 | PTA                         |
|  |  |  |      |     | 6 49 | F 35°                       |
|  |  |  |      |     | 6 47 | PC                          |
|  |  |  |      |     | 6 35 | F 600'                      |
|  |  |  |      |     | 6 08 | H (ABAN)                    |
|  |  |  |      |     | 6 05 | H                           |
|  |  |  |      |     | 6 01 |                             |
|  |  |  | F    |     | 5 98 |                             |
|  |  |  | H    |     | 5 87 | SAME                        |

6  
I  
E  
I  
I  
6' C



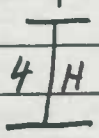
AME



ROAD INVENTORY SHEET

Road No. CO. 163  
 Road Name AMERICAN CORNER RD.  
 Sheet No. 6 OF 7  
 Date 9/13/77  
 County CAROLINE  
 State Coordinates \_\_\_\_\_

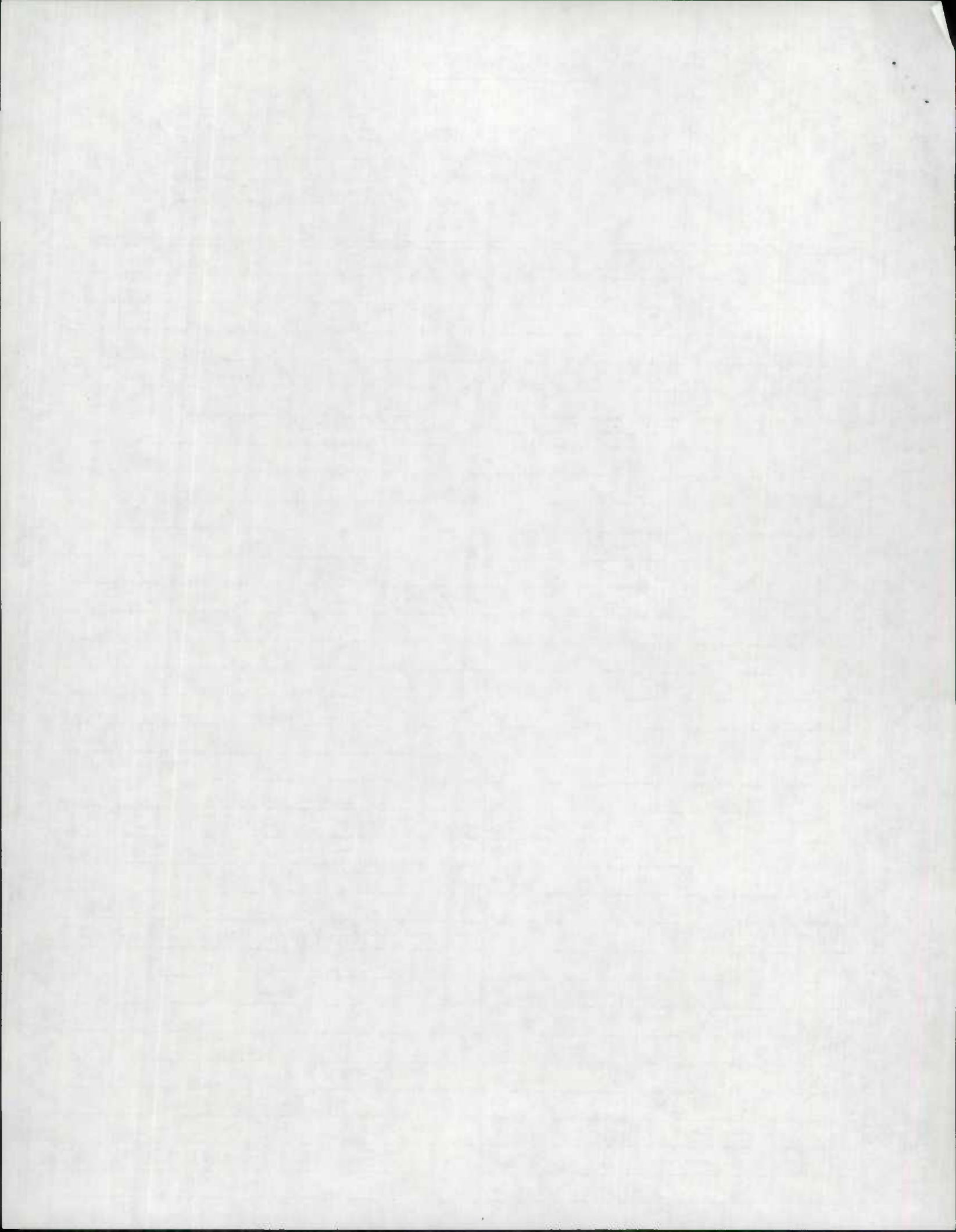
|  |  |      |                       |                  |
|--|--|------|-----------------------|------------------|
|  |  | 9 18 |                       |                  |
|  |  | 9 13 |                       |                  |
|  |  | 9 10 | F 600'                |                  |
|  |  | 8 90 | RD. 151               |                  |
|  |  | 8 88 | B- CANVERY (ABAN)     |                  |
|  |  | 8 84 |                       |                  |
|  |  | 8 77 |                       |                  |
|  |  | 8 67 | H                     |                  |
|  |  | 8 55 | H                     |                  |
|  |  | 8 51 | H                     | 30° ↗            |
|  |  | 8 32 | F 500'                | 2-5' SHL         |
|  |  | 8 17 | F                     | 2-6' SHL         |
|  |  | 8 12 | ANDREW RD.<br>CO. 158 | 36' CW<br>X 2 ML |
|  |  | 7 95 | F 400'                |                  |
|  |  | 7 77 | H                     |                  |
|  |  | 7 66 | H                     |                  |
|  |  | 7 53 | H (ABAN.)             | SAME             |



APT  
40°  
PC

N ON R-MINOR COLLECTOR  
 HAMS





TRANSFER LETTER 5-8-90  
MARYLAND STATE HIGHWAY ADMINISTRATION

90-8  
AIT

ROAD INVENTORY SHEET 6459

Chief BB  
Order AL  
No./Dir. 90-6 / E  
Coordinates 1120-340

Road No. MD 621  
Road Name GROVE AGRIC RD  
County Caroline  
Date 5-22-89  
Sheet No. 1 OF 4

PKG.  
REST.

PAVEMENT  
DATA

TRAFFIC  
PKG. REST.  
COM/IND. ACCESS

# LINE DIAGRAM

TRAFFIC  
CONTROL  
COM/IND. ACCESS  
PKG. REST.

PAVEMENT  
DATA

Nagel Rd.  
CO. 1 22 175

Fowling 3-36" CP Creek

0 SA 3-36" CP

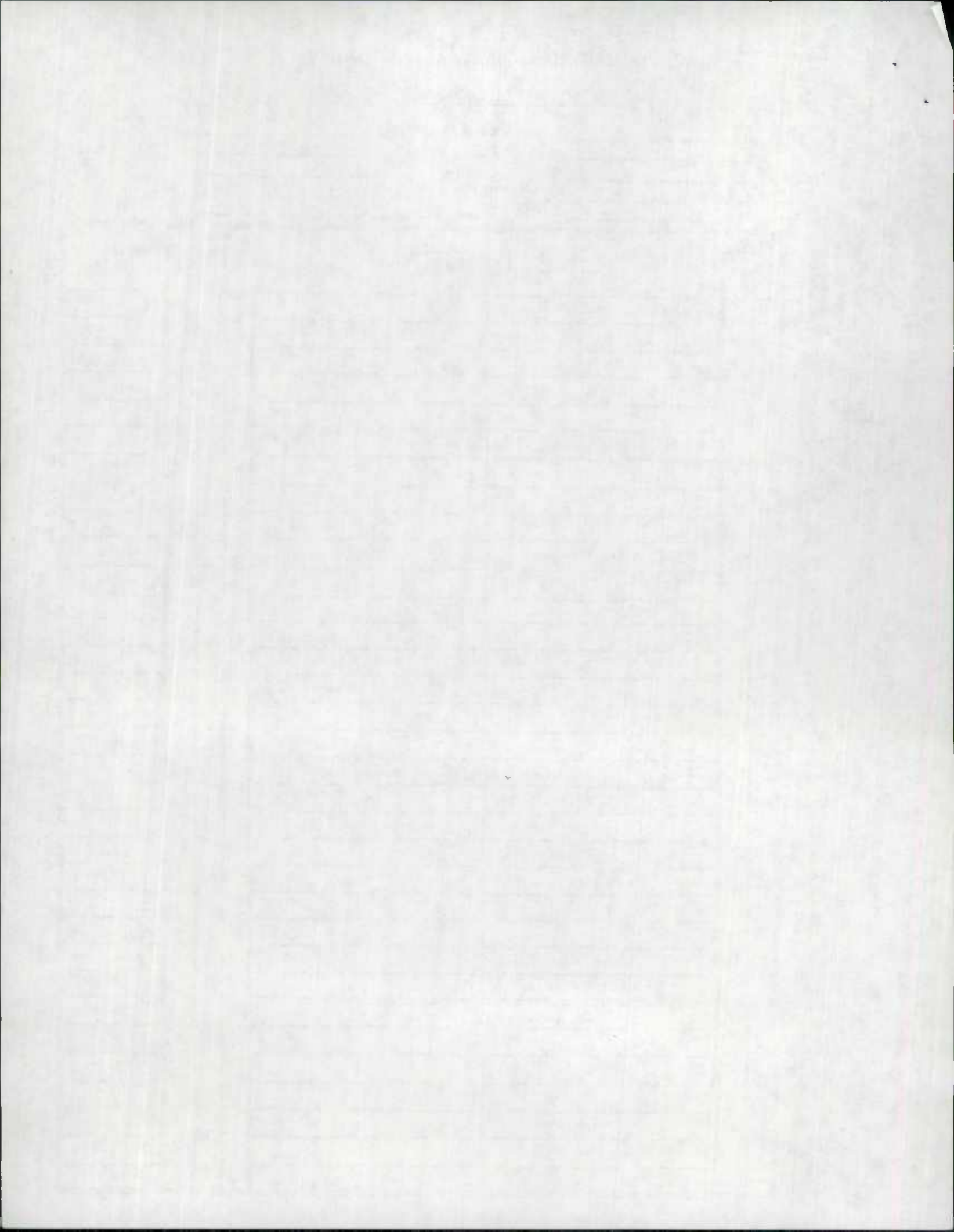
MO 0 00 16 SS

20' I  
2-6' F shds  
2ML

206210000000

✓

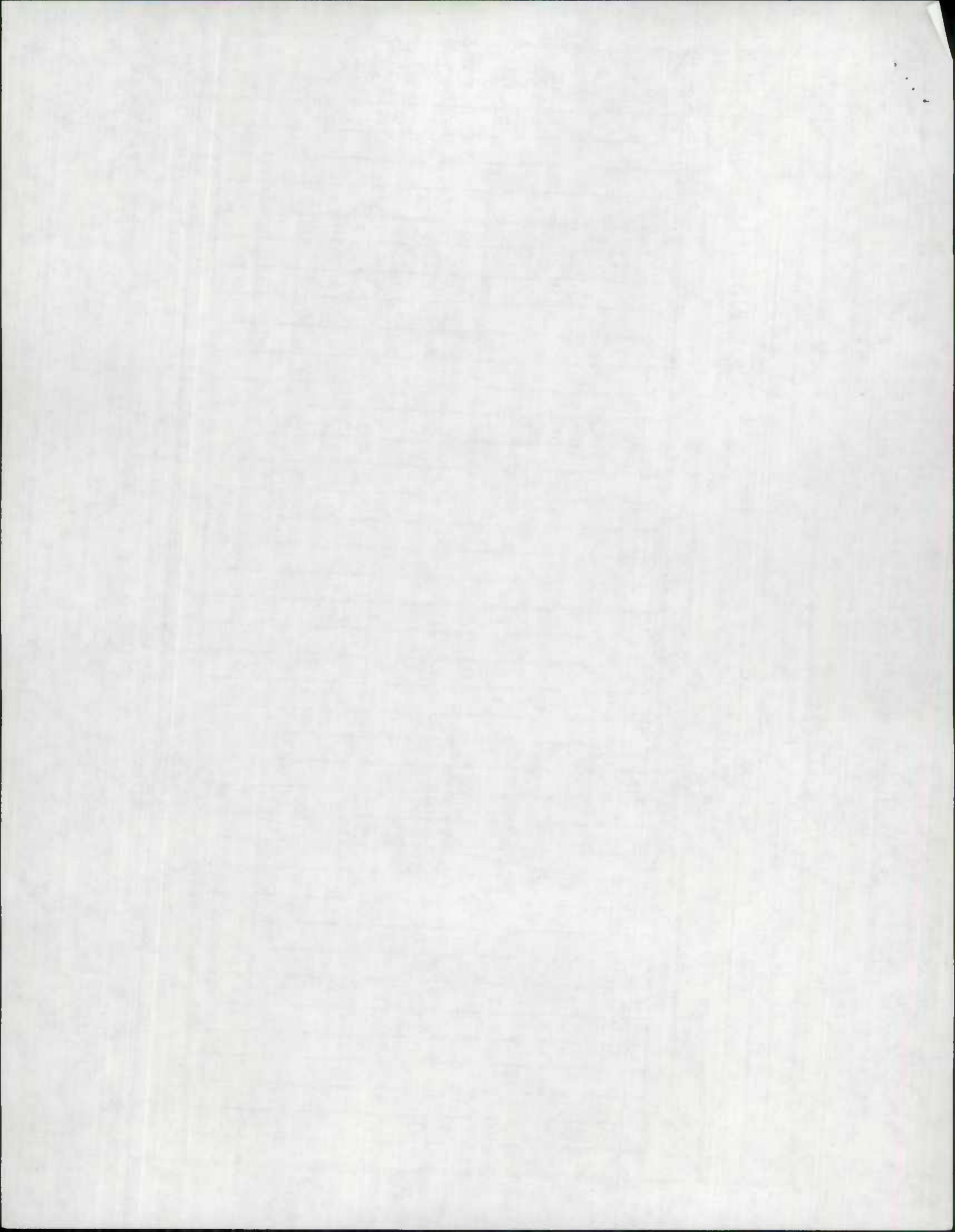
✓





20+7

| SYSTEM                         |               |           |             |            | TRAFFIC        |         | TRAFFIC      |        |            |  | PAVEMENT DATA |          |    |                     |  |     |  |  |
|--------------------------------|---------------|-----------|-------------|------------|----------------|---------|--------------|--------|------------|--|---------------|----------|----|---------------------|--|-----|--|--|
| FED. AID.                      | FUNCL. CLASS. | HWY. SYS. | HPMS SAMPLE | PKG. REST. | COM/INE ACCESS | CONTROL | COM/INE      | ACCESS | PKG. REST. |  |               |          |    |                     |  |     |  |  |
| NON FA<br>ANAL MINIM COLLECTOR |               |           |             |            | 206210000000   |         | LINE DIAGRAM |        |            |  |               |          |    |                     |  |     |  |  |
|                                |               |           |             |            |                |         | American co. |        |            |  |               | 3        | 25 | Corner Rd           |  | 163 |  |  |
|                                |               |           |             |            |                |         | PT           |        |            |  |               | 3        | 15 |                     |  |     |  |  |
|                                |               |           |             |            |                |         | 30°          |        |            |  |               | 3        | 07 | Sign: American Cor. |  |     |  |  |
|                                |               |           |             |            |                |         | PC           |        |            |  |               | 3        | 02 |                     |  |     |  |  |
|                                |               |           |             |            |                |         | Laurel co.   |        |            |  |               | 2        | 01 | Grove Rd            |  | 157 |  |  |
|                                |               |           |             |            |                |         | PT           |        |            |  |               | 1        | 88 |                     |  |     |  |  |
|                                |               |           |             |            |                |         | 30°          |        |            |  |               |          |    |                     |  |     |  |  |
|                                |               |           |             |            |                |         | PC           |        |            |  |               | 1        | 76 |                     |  |     |  |  |
|                                |               |           |             |            |                |         |              |        |            |  |               |          |    |                     |  |     |  |  |
|                                |               |           |             |            |                |         |              |        |            |  |               | 2-6' F d |    |                     |  |     |  |  |
|                                |               |           |             |            |                |         |              |        |            |  |               | 2ML      |    |                     |  |     |  |  |



CURVE - GRADE DATA COLLECTION  
NON - STATE ROADS - FY - 1992

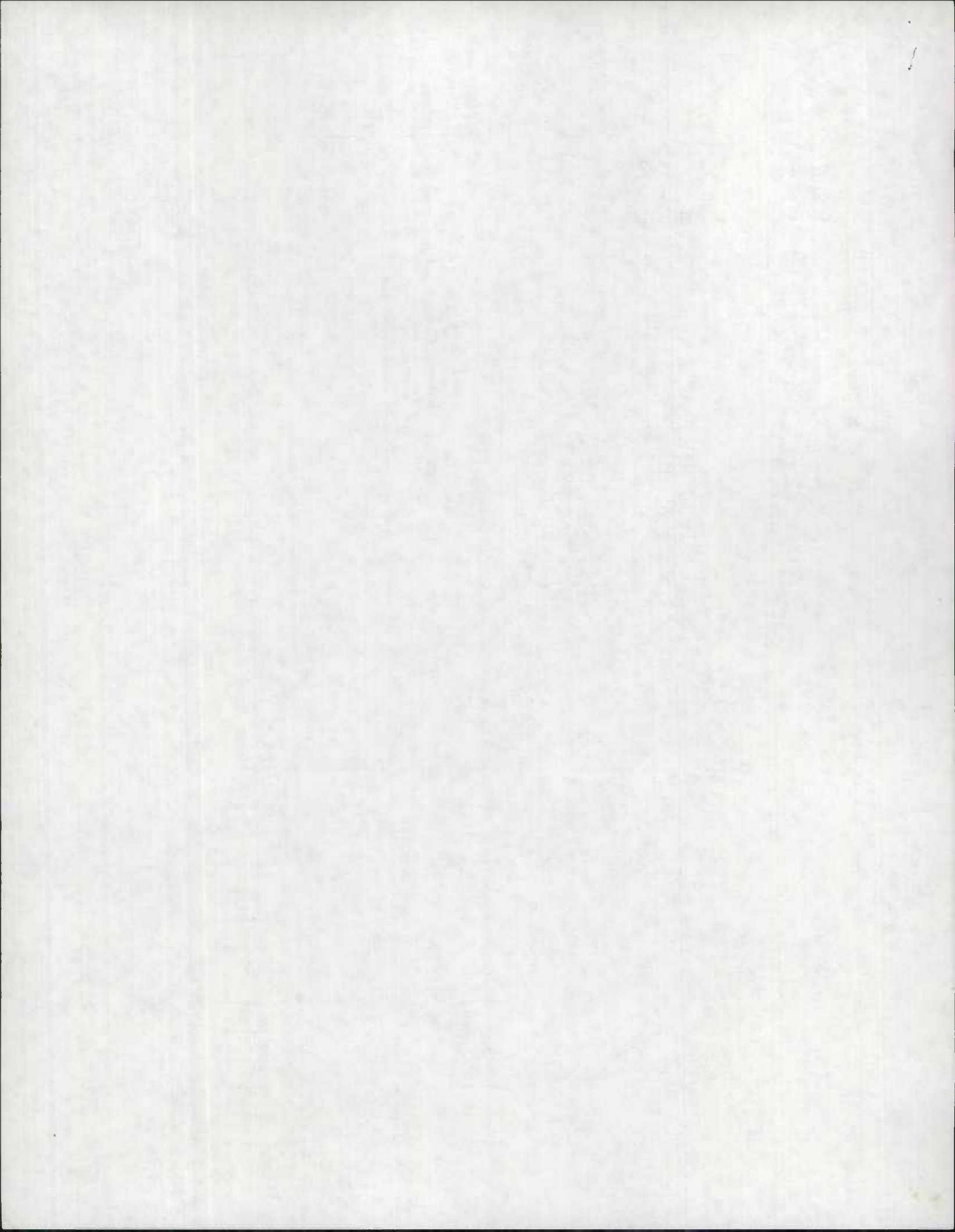
Route No: CO 0018  
 Sample No: 1  
 County: Caroline

Starting Mile Pt: 1.74  
 Ending Mile Pt: 3.36  
(1.62)

Horizontal Curve Section

|   | <u>Start Pt.</u><br><u>(in ft.)</u> | <u>End Pt.</u><br><u>(in ft.)</u> | <u>Chord</u><br><u>length</u><br><u>(/100ft)</u> | <u>Central</u><br><u>Ordi. Length</u><br><u>(/100ft)</u> | <u>Length of Total</u><br><u>Curve in(x.xxmile)</u> |
|---|-------------------------------------|-----------------------------------|--|--|---|
| L | <u>0</u>                            | <u>273</u>                        | <u>99.9</u>                                      | <u>1.3</u>   | -----   |
| S | <u>273</u>                          | <u>3151</u>                       | <u>100</u>                                       | <u>0</u>   | -----   |
| R | <u>3151</u>                         | <u>3869</u>                       | <u>99.7</u>                                      | <u>3.0</u>   | -----   |
|   | <u>3869</u>                         | <u>4408</u>                       | <u>100</u>                                       | <u>0</u>   | -----   |
| L | <u>4408</u>                         | <u>5141</u>                       | <u>99.95</u>                                     | <u>1.0</u>   | -----   |
| R | <u>5141</u>                         | <u>5387</u>                       | <u>99.7</u>                                      | <u>2.7</u>   | -----   |
|   | <u>5387</u>                         | <u>6126</u>                       | <u>100</u>                                       | <u>0</u>   | -----   |
| L | <u>6126</u>                         | <u>7913</u>                       | <u>99.9</u>                                      | <u>1.2</u>   | -----   |
| R | <u>7913</u>                         | <u>8266</u>                       | <u>99.85</u>                                     | <u>2.0</u>   | -----   |
|   | <u>8266</u>                         | <u>8554</u>                       | <u>100</u>                                       | <u>0</u>   | -----   |
|   | -----                               | -----                             | -----  | -----  | -----   |
|   | -----                               | -----                             | -----  | -----  | -----   |

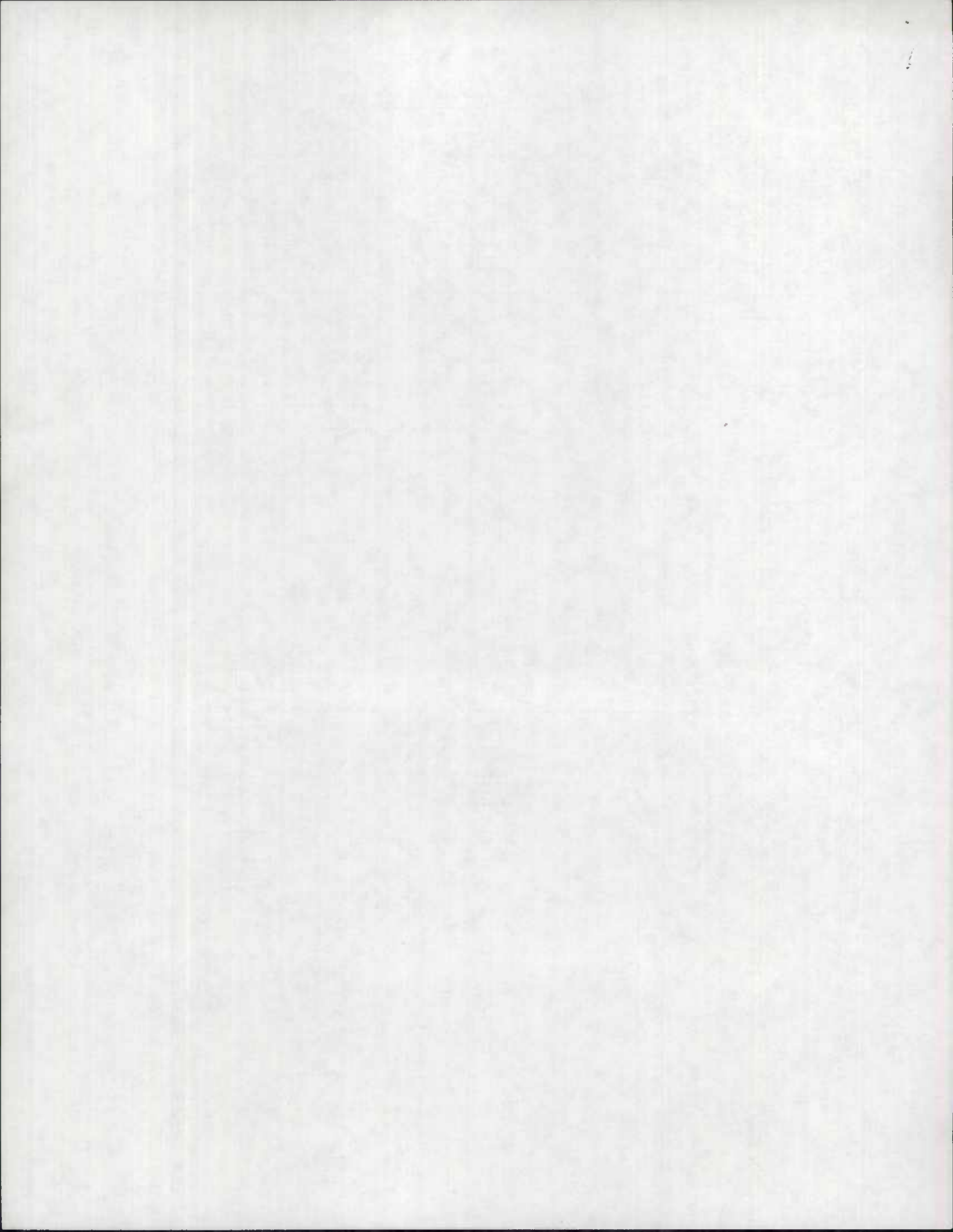
|    | <u>Curve</u><br><u>Classes</u><br><u>by</u><br><u>Degree of</u><br><u>Curvature</u> | <u>Number of</u><br><u>Curves</u><br><u>(Right-</u><br><u>Justified)</u> | <u>Length</u><br><u>of Curves</u><br><u>in Class</u><br><u>(Implied Decimal)</u><br><u>(xx.xxx miles)</u> |
|----|---|--|---|
| a. | <u>0.0-0.4</u>  | <u>4</u>   | <u>0.84</u>   |
| b. | <u>0.5-1.4</u>  | -----  | -----   |
| c. | <u>1.5-2.4</u>  | -----  | -----   |
| d. | <u>2.5-3.4</u>  | -----  | -----   |
| e. | <u>3.5-4.4</u>  | -----  | -----   |
| f. | <u>4.5-5.4</u>  | <u>1</u>   | <u>0.14</u>   |
| g. | <u>5.5-6.9</u>  | <u>2</u>   | <u>0.39</u>   |
| h. | <u>7.0-8.4</u>  | -----  | -----   |
| i. | <u>8.5-10.9</u>   | <u>1</u>   | <u>0.06</u>   |
| j. | <u>11.0-13.9</u>  | <u>2</u>   | <u>0.19</u>   |
| k. | <u>14.0-19.4</u>  | -----  | -----   |
| l. | <u>19.5-27.9</u>  | -----  | -----   |
| m. | <u>28+</u>  | -----  | -----   |



Vertical Curve Section

| <u>Start Pt.</u><br><u>(in ft.)</u> | <u>End Pt.</u><br><u>(in ft.)</u> | <u>Gradient Percent</u> | <u>Length of Curve</u><br><u>(in x.xx miles)</u> |
|-------------------------------------|-----------------------------------|-------------------------|--|
| 0                                   | 8554                              | 0%                      |  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |
| -----                               | -----                             | -----                   | -----  |

|    | <u>Grade<br/>Classes<br/>by<br/>Gradient<br/>(Percent)</u> | <u>Number of<br/>Grades<br/>(Right-<br/>Justified)</u> | <u>Length of<br/>Grades in Class<br/>(Implied Decimal)<br/>(xx.xxx miles)</u> |
|----|--|--|---|
| a. | 0.0-0.4  | <u>1</u>   | <u>1.62</u>   |
| b. | 0.5-2.4  | -----  | -----   |
| c. | 2.5-4.4  | -----  | -----   |
| d. | 4.5-6.4  | -----  | -----   |
| e. | 6.5-8.4  | -----  | -----   |
| f. | 8.5-   | -----  | -----   |



CURVE - GRADE DATA COLLECTION  
NON - STATE ROADS - FY - 1992

Route No: CO 0096  
 Sample No: 2  
 County: Caroline

Starting Mile Pt: 0.06  
 Ending Mile Pt: 3.47  
(3.47)

Horizontal Curve Section

| <u>Start Pt.</u><br><u>(in ft.)</u> | <u>End Pt.</u><br><u>(in ft.)</u> | <u>Chord</u><br><u>length</u><br><u>(/100ft)</u> | <u>Central</u><br><u>Ordi. Length</u><br><u>(/100ft)</u> | <u>Length of Total</u><br><u>Curve in(x.xxmile)</u> |
|-------------------------------------|-----------------------------------|--|--|---|
| L 0                                 | 309                               | 99.45  | 4.2  |   |
| <del>309</del>                      | <del>518</del>                    |  |  |   |
| 309                                 | <del>518</del>                    |  |  |   |
| <del>518</del>                      | 9836                              | 100  | 0  |   |
| R 2836                              | 2311                              | 99.7   | 0.9  |   |
| L 3311                              | 3626                              | 99.8   | 2.4  |   |
| 3626                                | 4703                              | 100  | 0  |   |
| R 4703                              | 4994                              | 99.7   | 2.7  |   |
| 4994                                | 5248                              | 100  | 0  |   |
| L 5248                              | 5494                              | 99.9   | 1.2  |   |
| 5494                                | 7788                              | 100  | 0  |   |
| L 7788                              | 8012                              | 99.8   | 2.4  |   |
| 8012                                | 11553                             | 100  | 0  |   |
| L 11553                             | 11924                             | 99.85  | 2.0  |   |
| 11924                               | 15203                             | 100  | 0  |   |
| R 15303                             | 15614                             | 99.8   | 2.0  |   |
| 15614                               | 2323                              | 100  | 0  |   |

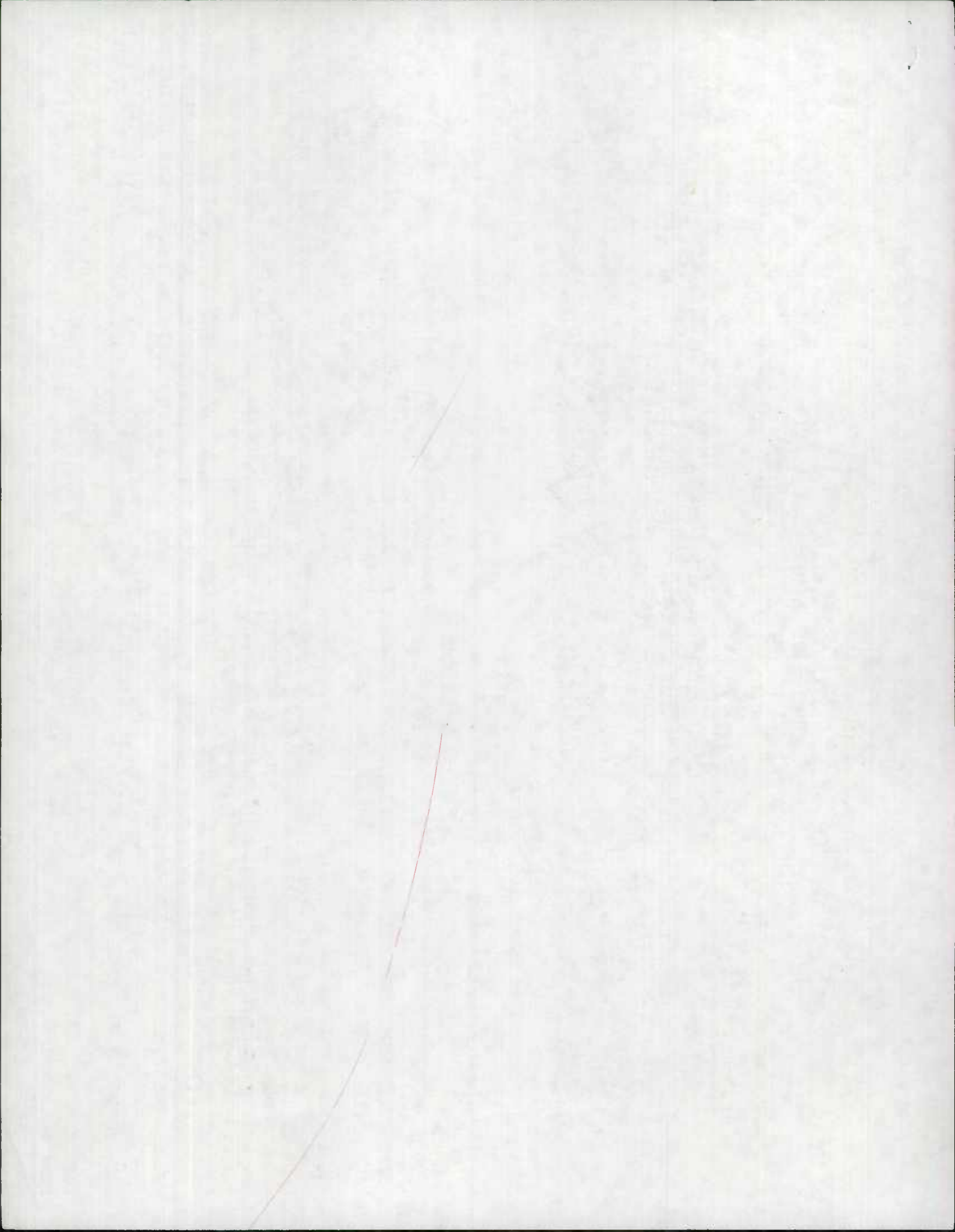
  

|   |                                 |  |  |                      |
|---|---------------------------------|--|--|----------------------|
| L 11553 — Curve-<br>11924 — Classes-<br>R 15303 — by-<br>15614 — Degree of<br>Curvature | 11924<br>15203<br>15614<br>2323 | → 100<br>→ 99.85<br>→ 100<br>→ 99.8<br>→ 100 | Number of<br>Curves<br>(Right-<br>Justified) | 2.0<br>0<br>2.0<br>0 |
|---|---------------------------------|--|--|----------------------|

|  |  |
|--|--|
|  | Length<br>of Curves<br>in Class<br>(Implied Decimal)<br>(xx.xxx miles) |
|--|--|

|    |           |          |                             |
|----|-----------|----------|-----------------------------|
| a. | 0.0-0.4   | <u>7</u> | <u>2.98</u>                 |
| b. | 0.5-1.4   | ---      | ---                         |
| c. | 1.5-2.4   | ---      | ---                         |
| d. | 2.5-3.4   | ---      | ---                         |
| e. | 3.5-4.4   | <u>1</u> | <u>0.09</u>                 |
| f. | 4.5-5.4   | ---      | ---                         |
| g. | 5.5-6.9   | <u>1</u> | <u>0.05</u>                 |
| h. | 7.0-8.4   | ---      | ---                         |
| i. | 8.5-10.9  | <u>2</u> | <u>0.13</u>                 |
| j. | 11.0-13.9 | <u>3</u> | <u>0.16</u>                 |
| k. | 14.0-19.4 | <u>1</u> | <del>0.11</del> <u>0.06</u> |
| l. | 19.5-27.9 | ---      | ---                         |
| m. | 28+       | ---      | ---                         |

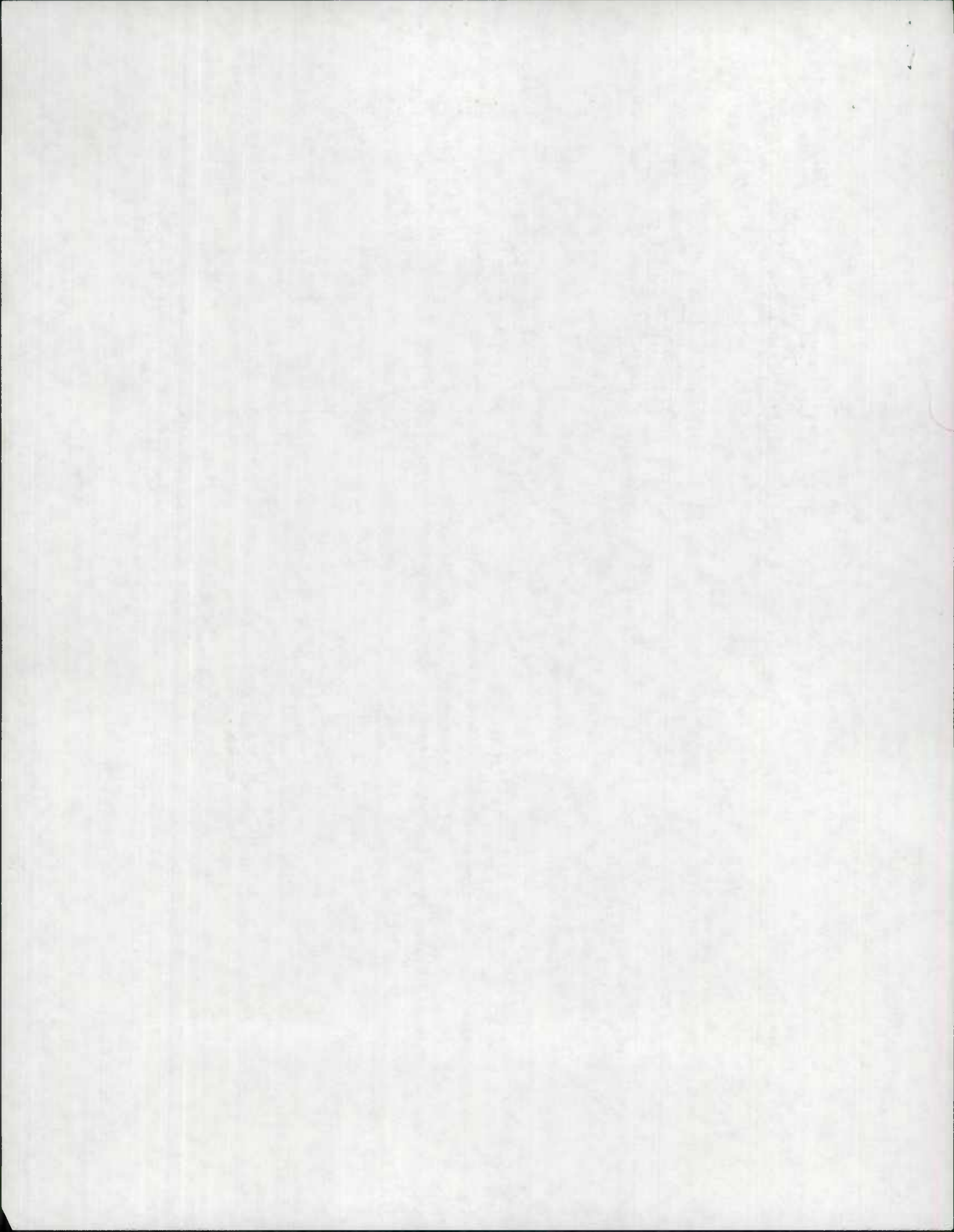




Vertical Curve Section

| <u>Start Pt.</u><br>(in ft.) | <u>End Pt.</u><br>(in ft.) | <u>Gradient Percent</u> | <u>Length of Curve</u><br>(in x.xx miles) |
|------------------------------|----------------------------|-------------------------|---|
| 0                            | 848                        | 0%                      |   |
| 848                          | 1545                       | +0.7%                   |   |
| 1545                         | 2324                       | -1.2                    |   |
| 2324                         | 9786                       | 0%                      |   |
| 9786                         | 11924                      | -2.2                    |   |
| 11924                        | 13447                      | +0.6                    |   |
| 13447                        | 14276                      | 0%                      |   |
| 14276                        | 15303                      | +1.9                    |   |
| 15303                        | 18323                      | 0%                      |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |

|    | <u>Grade<br/>Classes<br/>by<br/>Gradient<br/>(Percent)</u> | <u>Number of<br/>Grades<br/>(Right-<br/>Justified)</u> | <u>Length of<br/>Grades in Class<br/>(Implied Decimal)<br/>(xx.xxx miles)</u> |
|----|--|--|---|
| a. | 0.0-0.4  | <u>4</u>   | <u>2.20</u>   |
| b. | 0.5-2.4  | <u>5</u>   | <u>1.27</u>   |
| c. | 2.5-4.4  | ---  | ---   |
| d. | 4.5-6.4  | ---  | ---   |
| e. | 6.5-8.4  | ---  | ---   |
| f. | 8.5-   | ---  | ---   |



CURVE - GRADE DATA COLLECTION  
NON - STATE ROADS - FY - 1992

Route No: CO 0163  
 Sample No: 3  
 County: Caroline

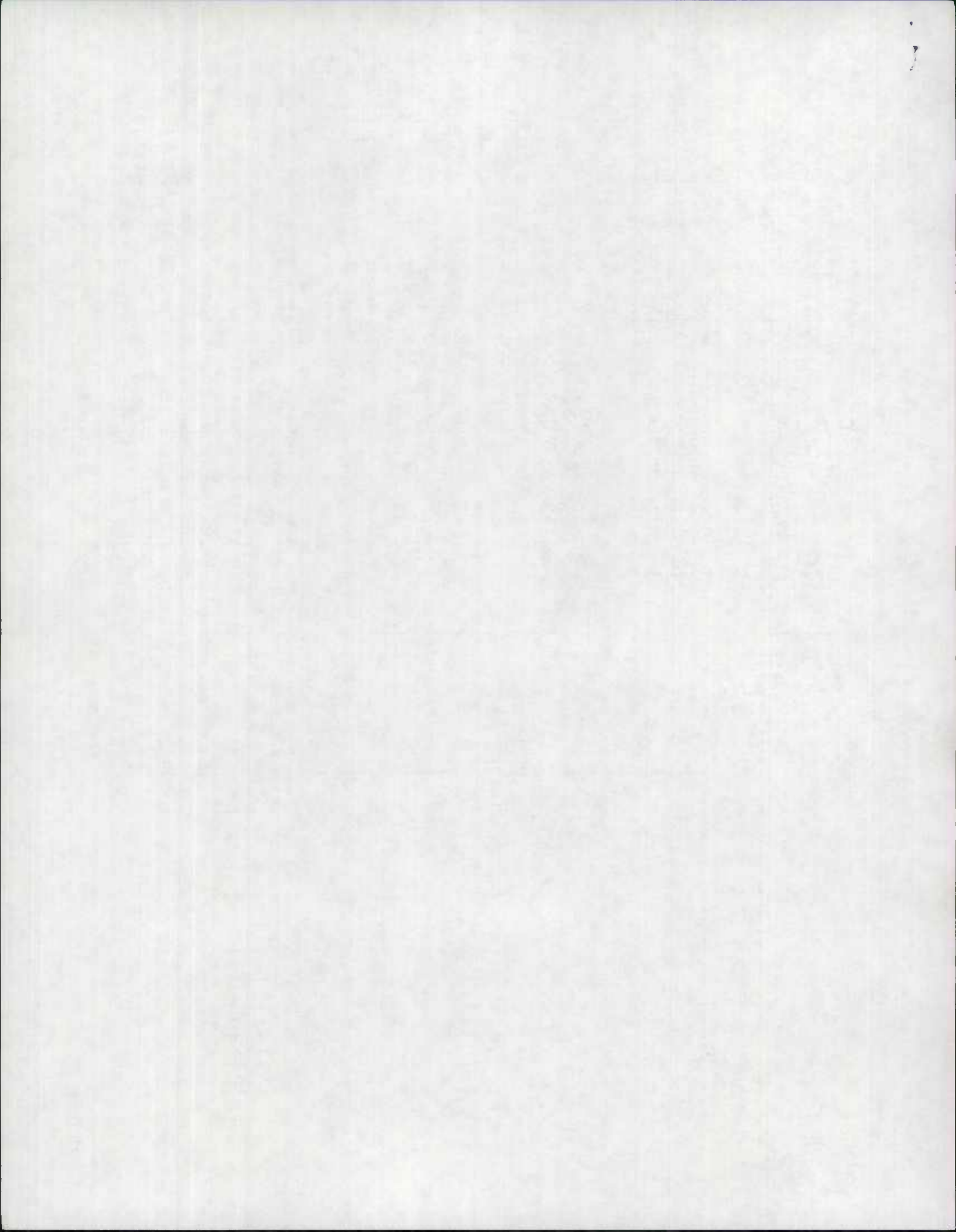
Starting Mile Pt: 5.73  
 Ending Mile Pt: 8.12

(2.39)

Horizontal Curve Section

| <u>Start Pt.</u><br><u>(in ft.)</u> | <u>End Pt.</u><br><u>(in ft.)</u> | <u>Chord</u><br><u>length</u><br><u>(/100ft)</u> | <u>Central</u><br><u>Ord. Length</u><br><u>(/100ft)</u> | <u>Length of Total</u><br><u>Curve in(x.xxmile)</u> |
|-------------------------------------|-----------------------------------|--|---|---|
| 0                                   | 1439                              | 100  | 0   |   |
| R 1439                              | 1728                              | 99.75  | 3.0   |   |
| 1728                                | 3870                              | 100  | 0   |   |
| L 3870                              | 4125                              | 99.5   | 4.0   |   |
| 4125                                | 6407                              | 100  | 0   |   |
| L 6407                              | 6599                              | 99.8   | 2.2   |   |
| 6599                                | 9019                              | 100  | 0   |   |
| L 9019                              | 9208                              | 99.8   | 2.2   |   |
| 9208                                | 12618                             | 100  | 0   |   |
|                                     |                                   |  |   |   |
|                                     |                                   |  |   |   |
|                                     |                                   |  |   |   |
|                                     |                                   |  |   |   |
|                                     |                                   |  |   |   |
|                                     |                                   |  |   |   |

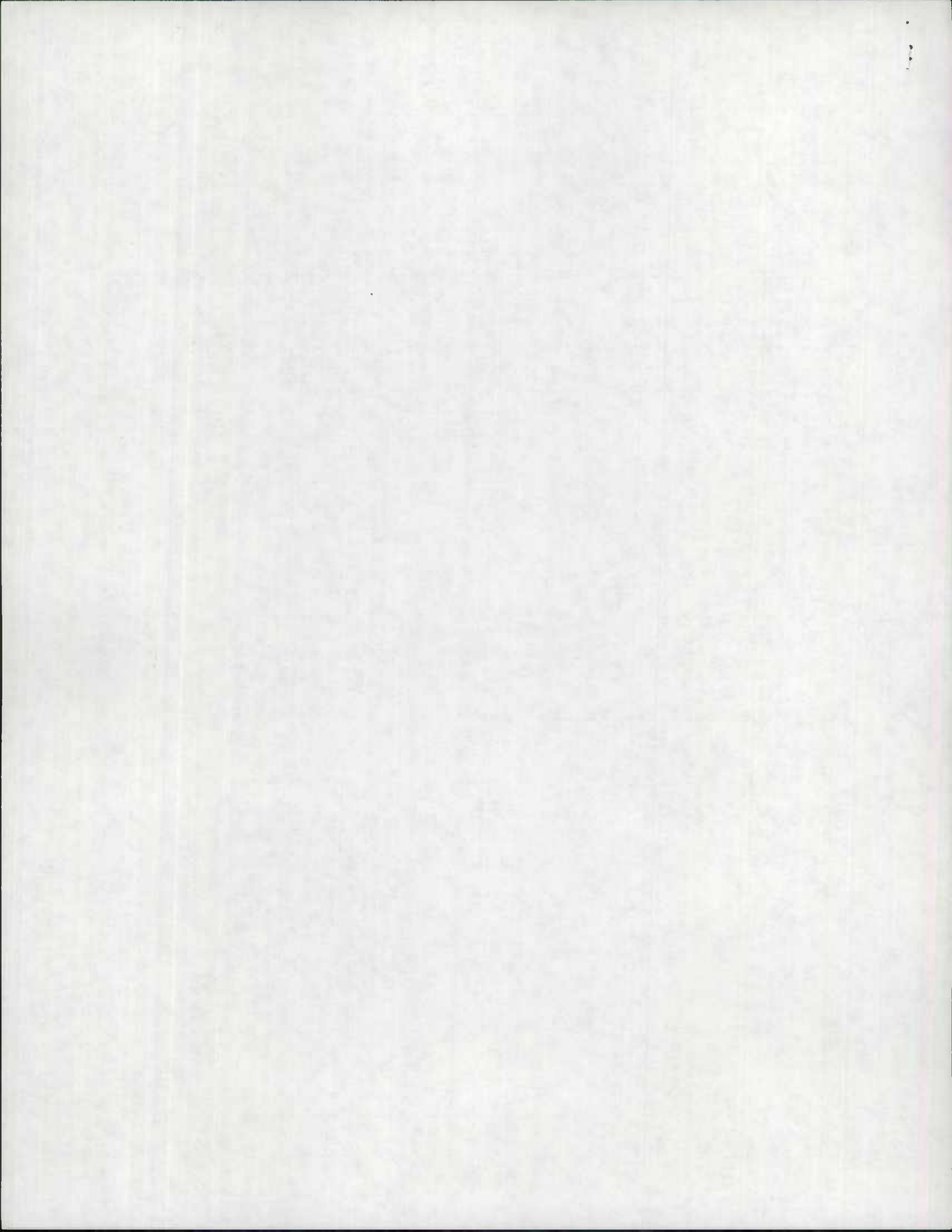
|    | <u>Curve</u><br><u>Classes</u><br><u>by</u><br><u>Degree of</u><br><u>Curvature</u> | <u>Number of</u><br><u>Curves</u><br><u>(Right-</u><br><u>Justified)</u> | <u>Length</u><br><u>of Curves</u><br><u>in Class</u><br><u>(Implied Decimal)</u><br><u>(xx.xxx miles)</u> |
|----|---|--|---|
| a. | 0.0-0.4   | <u>5</u>   | <u>2.22</u>   |
| b. | 0.5-1.4   | ---  | ---   |
| c. | 1.5-2.4   | ---  | ---   |
| d. | 2.5-3.4   | ---  | ---   |
| e. | 3.5-4.4   | ---  | ---   |
| f. | 4.5-5.4   | ---  | ---   |
| g. | 5.5-6.9   | ---  | ---   |
| h. | 7.0-8.4   | ---  | ---   |
| i. | 8.5-10.9  | <u>2</u>   | <u>0.08</u>   |
| j. | 11.0-13.9   | <u>1</u>   | <u>0.04</u>   |
| k. | 14.0-19.4   | <u>1</u>   | <u>0.05</u>   |
| l. | 19.5-27.9   | ---  | ---   |
| m. | 28+   | ---  | ---   |



Vertical Curve Section

| <u>Start Pt.</u><br><u>(in ft.)</u> | <u>End Pt.</u><br><u>(in ft.)</u> | <u>Gradient Percent</u> | <u>Length of Curve</u><br><u>(in x.xx miles)</u> |
|-------------------------------------|-----------------------------------|-------------------------|--|
| 0                                   | 12612                             | 0%                      |  |
|                                     |                                   |                         |  |
|                                     |                                   |                         |  |
|                                     |                                   |                         |  |
|                                     |                                   |                         |  |
|                                     |                                   |                         |  |
|                                     |                                   |                         |  |
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|                                     |                                   |                         |  |
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|                                     |                                   |                         |  |
|                                     |                                   |                         |  |
|                                     |                                   |                         |  |
|                                     |                                   |                         |  |
|                                     |                                   |                         |  |
|                                     |                                   |                         |  |

|    | <u>Grade<br/>Classes<br/>by<br/>Gradient<br/>(Percent)</u> | <u>Number of<br/>Grades<br/>(Right-<br/>Justified)</u> | <u>Length of<br/>Grades in Class<br/>(Implied Decimal)<br/>(xx.xxx miles)</u> |
|----|--|--|---|
| a. | 0.0-0.4  | <u>1</u>   | <u>2.39</u>   |
| b. | 0.5-2.4  |  |   |
| c. | 2.5-4.4  |  |   |
| d. | 4.5-6.4  |  |   |
| e. | 6.5-8.4  |  |   |
| f. | 8.5-   |  |   |



CURVE - GRADE DATA COLLECTION  
NON - STATE ROADS - FY - 1992

Route No: CO 0459  
 Sample No: 4  
 County: Caroline

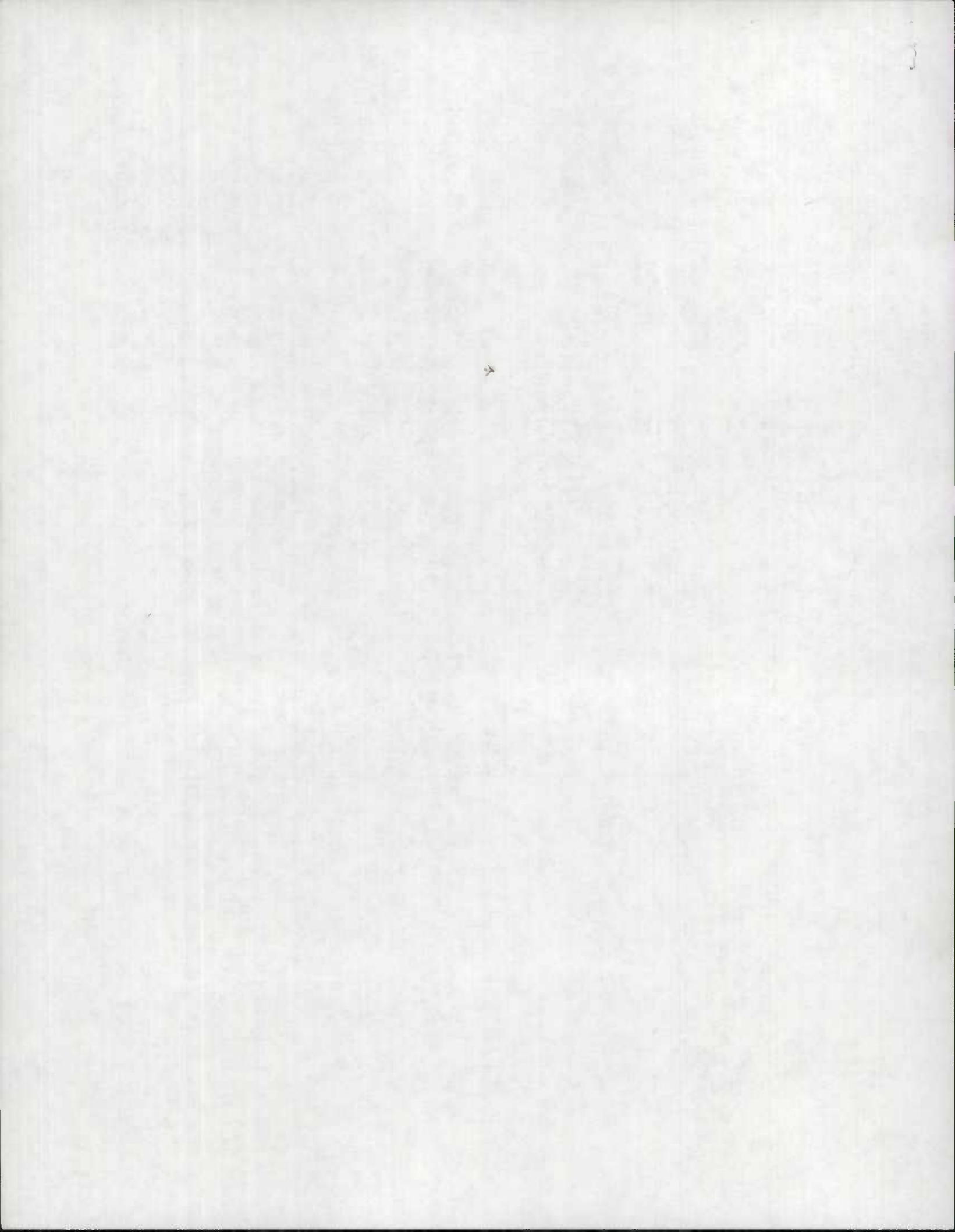
Starting Mile Pt: 0.00  
 Ending Mile Pt: 3.25

(3.25)

Horizontal Curve Section

|   | <u>Start Pt.</u><br>(in ft.) | <u>End Pt.</u><br>(in ft.) | <u>Chord</u><br><u>length</u><br>(/100ft) | <u>Central</u><br><u>Ordi. Length</u><br>(/100ft) | <u>Length of Total</u><br><u>Curve in(x.xxmile)</u> |
|---|------------------------------|----------------------------|---|---|---|
| R | <del>10119</del><br>0        | 937                        | 100                                       | 0   |   |
|   | 937                          | 10119                      | 99.95                                     | 0.8   |   |
| L | 10119                        | 12025                      | 100                                       | 0   |   |
|   | 12025                        | 12521                      | 99.95                                     | 0.7   |   |
| L | 12521                        | 15017                      | 100                                       | 0   |   |
|   | 15017                        | 15443                      | 99.95                                     | 0.7   |   |
| R | 15443                        | 16245                      | 100                                       | 0   |   |
|   | 16245                        | 16816                      | 99.95                                     | 0.7   |   |
|   | 16816                        | 17161                      | 100                                       | 0   |   |

|    | <u>Curve</u><br><u>Classes</u><br><u>by</u><br><u>Degree of</u><br><u>Curvature</u> | <u>Number of</u><br><u>Curves</u><br><u>(Right-</u><br><u>Justified)</u> | <u>Length</u><br><u>of Curves</u><br><u>in Class</u><br><u>(Implied Decimal)</u><br><u>(xx.xxx miles)</u> |
|----|---|--|---|
| a. | 0.0-0.4   | 5  | 1.23  |
| b. | 0.5-1.4   |  |   |
| c. | 1.5-2.4   |  |   |
| d. | 2.5-3.4   | 3  | 0.28  |
| e. | 3.5-4.4   | 1  | 1.74  |
| f. | 4.5-5.4   |  |   |
| g. | 5.5-6.9   |  |   |
| h. | 7.0-8.4   |  |   |
| i. | 8.5-10.9  |  |   |
| j. | 11.0-13.9   |  |   |
| k. | 14.0-19.4   |  |   |
| l. | 19.5-27.9   |  |   |
| m. | 28+   |  |   |





Vertical Curve Section

| <u>Start Pt.</u><br>(in ft.) | <u>End Pt.</u><br>(in ft.) | <u>Gradient Percent</u> | <u>Length of Curve</u><br>(in x.xx miles) |
|------------------------------|----------------------------|-------------------------|---|
| 0                            | 1024                       | 0%                      |   |
| 1024                         | 1977                       | + 0.2                   |   |
| 1977                         | 3104                       | - 0.3                   |   |
| 3104                         | 17161                      | 0                       |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |
|                              |                            |                         |   |

|    | <u>Grade Classes by Gradient (Percent)</u> | <u>Number of Grades (Right-Justified)</u> | <u>Length of Grades in Class (Implied Decimal) (xx.xxx miles)</u> |
|----|--|---|---|
| a. | 0.0-0.4                                    | <u>4</u>                                  | <u>3.25</u>   |
| b. | 0.5-2.4                                    | _____                                     | _____   |
| c. | 2.5-4.4                                    | _____                                     | _____   |
| d. | 4.5-6.4                                    | _____                                     | _____   |
| e. | 6.5-8.4                                    | _____                                     | _____   |
| f. | 8.5-                                       | _____                                     | _____   |

