

|                |                |                |                |
|----------------|----------------|----------------|----------------|
| 2<br>+<br>6    | 3<br>+<br>8    | 4<br>+<br>8    | FLASH          |
| $\frac{F}{Y}$  | $\leftarrow R$ | $\leftarrow R$ | $\leftarrow R$ |
| G              | R              | R              | R              |
| $\leftarrow R$ | $\leftarrow$   | $\leftarrow R$ | $\leftarrow R$ |
| $\leftarrow R$ | $\frac{F}{Y}$  | $\frac{F}{Y}$  | $\leftarrow R$ |
| R              | R              | G              | R              |
| $\frac{F}{Y}$  | $\leftarrow R$ | $\leftarrow R$ | $\leftarrow R$ |

All Heads L.E.D.

|                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
|  |  |  |
|  |  |  |

12" 12" 12"

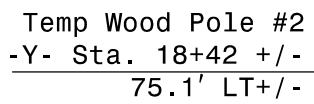
31, 32, 33 21, 24 22, 23, 25  
41, 44 42, 43  
61 62, 63  
81, 82

\* Multizone Microwave Detection

| MICROWAVE DETECTION |          |         |          |         |          |          |
|---------------------|----------|---------|----------|---------|----------|----------|
| FUNCTION            | 2A       |         | 6A       |         | 4A       | 8A       |
|                     | Sensor 1 |         | Sensor 2 |         | Sensor 3 | Sensor 4 |
| Channel             | 1        |         | 1        |         | 1        | 1        |
| Phase               | 2        |         | 6        |         | 4        | 8        |
| Direction of Travel | EB       |         | WB       |         | SB       | NB       |
| Type                | Priority |         | Priority |         | Priority | Priority |
| Level               | 2        | QUEUE   | 2        | QUEUE   | 2        | 2        |
| Discovery Zone (ft) | <750     | -       | <750     | -       | <750     | <750     |
| Range (ft)          | 600-100  | 150-100 | 600-100  | 150-100 | 600-100  | 600-100  |

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 3 may be lagged.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Pavement markings are existing.
7. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

|                                                                                   |                               |
|-----------------------------------------------------------------------------------|-------------------------------|
|  | DETECTED MOVEMENT             |
|  | UNDETECTED MOVEMENT (OVERLAP) |
|  | UNSIGNALIZED MOVEMENT         |
|  | PEDESTRIAN MOVEMENT           |



## ASC/3 TIMING CHART

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

| PROPOSED                                                                              |                                                   | EXISTING                                                                              |
|---------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
|    | Traffic Signal Head                               |    |
|    | Modified Signal Head                              | N/A                                                                                   |
|    | Sign                                              |    |
|    | Pedestrian Signal Head<br>With Push Button & Sign |    |
|  | Signal Pole with Guy                              |  |
|  | Signal Pole with Sidewalk Guy                     |  |
|  | Inductive Loop Detector                           |  |
|  | Non-Intrusive Detection Zone                      |  |
|  | Controller & Cabinet                              |  |
|  | Junction Box                                      |  |
|  | Oversized Junction Box                            |  |
|  | Type II Signal Pedestal                           |  |
|  | Metal Strain Pole                                 |  |
|  | 2-in Underground Conduit                          |  |
|  | Directional Drill                                 | N/A                                                                                   |
| N/A                                                                                   | Right of Way                                      |  |
|  | Directional Arrow                                 |  |
| N/A                                                                                   | Curb Ramp                                         |  |

| PROPOSED |                                    | EXISTING |
|----------|------------------------------------|----------|
| (A)      | "YIELD" Sign (R1-2)                | (A)      |
| (B)      | Left Arrow "ONLY" Sign (R3-5L)     | (B)      |
| (C)      | "RIGHT TURN SIGNAL" Sign (R10-10R) | (C)      |
| (D)      | Pedestrian Crossing Sign           | (D)      |

| Prepared for the Offices of:<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p><b>US 13 (Dickinson Avenue) /<br/>US 264 Alternate at SR 1203<br/>(Allen Road)/US 264 Alternate<br/>(Greenville Boulevard)</b></p> | <b>SEAL</b><br>                                    |                                                                                       |                                                                                                                                   |                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Division 02    Pitt County    Greenville                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                       |                                                                                                                                         |                                                                                       |                                                                                                                                   |                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PLAN DATE: July 2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                       | REVIEWED BY: S.G. Haynie                                                                                                                |                                                                                       |                                                                                                                                   |                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PREPARED BY: A.M. Kollar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                       | REVIEWED BY:                                                                                                                            |                                                                                       |                                                                                                                                   |                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">REVISONS</th> <th style="width: 20%;">INIT.</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>                                                                                         |                                                                                                                                       |                                                                                                                                         | REVISONS                                                                              | INIT.                                                                                                                             | DATE                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| REVISONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | INIT.                                                                                                                                 | DATE                                                                                                                                    |                                                                                       |                                                                                                                                   |                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 750 N. Greenfield Pkwy, Garner, NC 27526                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                       |                                                                                                                                         |                                                                                       |                                                                                                                                   |                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">  </td> <td style="width: 40%;">           SCALE<br/> <br/>           0                  50<br/>                               1"=50'         </td> <td style="width: 50%; vertical-align: bottom; padding-left: 10px;">           Documented by:<br/> <u>Steven G. Haynie 7/15/2025</u><br/>           _____<br/>           SIGNATURE                  DATE<br/>           Sig. Inventory No.         02-0029T1         </td> </tr> </table> |                                                                                                                                       |                                                                                                                                         |  | SCALE<br><br>0                  50<br>1"=50' | Documented by:<br><u>Steven G. Haynie 7/15/2025</u><br>_____<br>SIGNATURE                  DATE<br>Sig. Inventory No.         02-0029T1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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