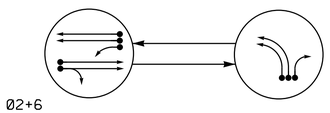
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| C-5558 | Sig. 158.0 |

## PHASING DIAGRAM



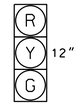

PHASING DIAGRAM DETECTION LEGEND

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

| TABLE OF OPERATION | | | |
|---|---|---|---|
| SIGNAL FACE | PHASE 02+6 | PHASE 08 | FLASH |
| 21, 22 | G | R | Y |
| 61, 62 | G | R | Y |
| 81, 82 | R | G | R |

## SIGNAL FACE I.D.

All Heads L.E.D.



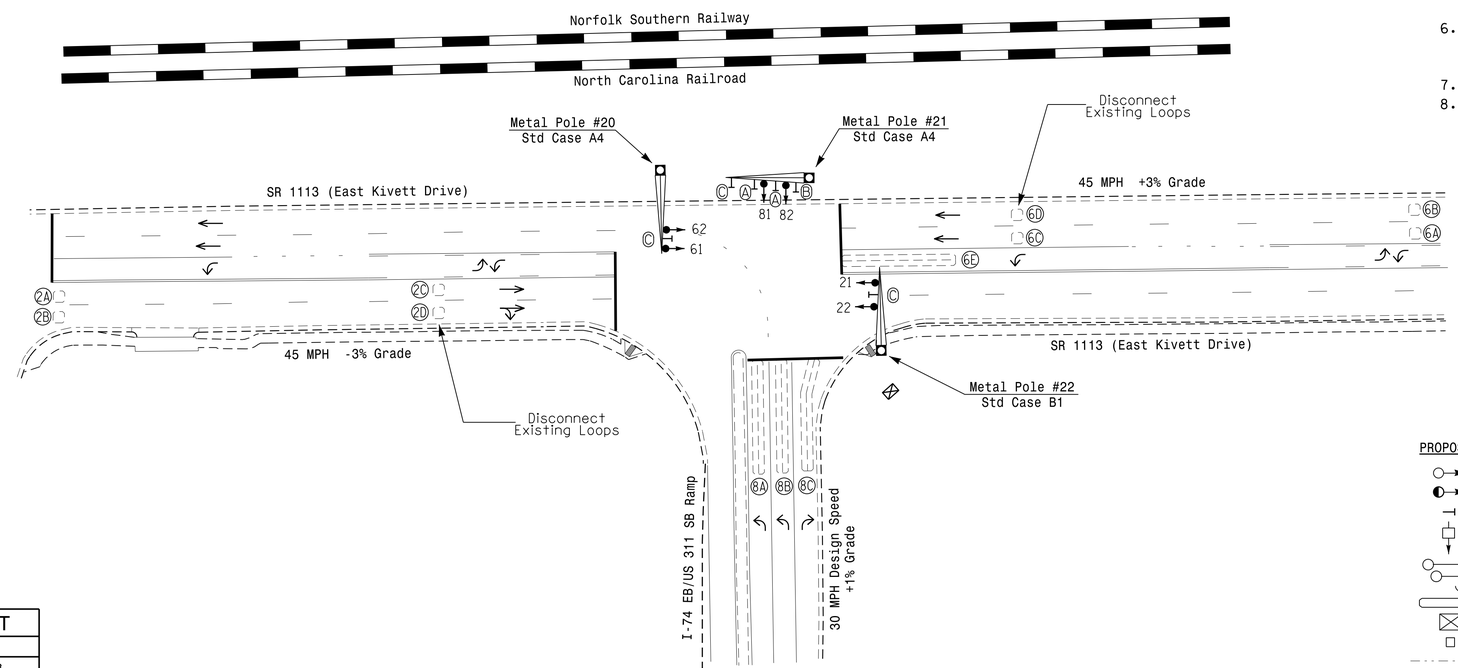

21, 22
61, 62
81, 82

| OASIS 2070 LOOP & DETECTOR INSTALLATION CHART | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INDUCTIVE LOOPS | | | | | DETECTOR PROGRAMMING | | | | | | | |
| LOOP | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | TURNS | NEW LOOP | PHASE | CALLING | EXTENSION | FULL TIME DELAY | STRETCH TIME | DELAY TIME | SYSTEM LOOP | NEW CARD |
| 2A | 6X6 | 300 | EXIST | - | 2 | Y | Y | - | - | - | - | Y |
| 2B | 6X6 | 300 | EXIST | - | 2 | Y | Y | - | - | - | - | Y |
| 2C | 6X6 | 90 | EXIST | - | DISCONNECT | | | | | | - | - |
| 2D | 6X6 | 90 | EXIST | - | DISCONNECT | | | | | | - | - |
| 6A | 6X6 | 300 | EXIST | - | 6 | Y | Y | - | - | - | - | Y |
| 6B | 6X6 | 300 | EXIST | - | 6 | Y | Y | - | - | - | - | Y |
| 6C | 6X6 | 90 | EXIST | - | DISCONNECT | | | | | | - | - |
| 6D | 6X6 | 90 | EXIST | - | DISCONNECT | | | | | | - | - |
| 6E | 6X60 | 0 | 2-4-2 | - | 6 | Y | Y | Y | - | 3 | - | Y |
| 8A | 6X60 | 0 | 2-4-2 | - | 8 | Y | Y | - | - | - | - | Y |
| 8B | 6X60 | 0 | 2-4-2 | - | 8 | Y | Y | - | - | - | - | Y |
| 8C | 6X60 | 0 | 2-4-2 | - | 8 | Y | Y | - | - | 15 | - | Y |

2 Phase
Fully Actuated
(High Point Signal System)

## NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Disconnect existing loops 2C, 2D, 6C, and 6D.
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. The cabinet should be designed to include an Auxiliary Output file for future use.
7. Pavement markings are existing.
8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.




## LEGEND

| PROPOSED | | EXISTING |
|---|---|---|
| | Traffic Signal Head | |
| | Modified Signal Head | N/A |
| | Sign | |
| | Pedestrian Signal Head With Push Button & Sign | |
| | Signal Pole with Guy | |
| | Signal Pole with Sidewalk Guy | |
| | Inductive Loop Detector | |
| | Controller & Cabinet | |
| | Junction Box | |
| | 2-in Underground Conduit | |
| N/A | Right of Way | |
| | Directional Arrow | |
| | Metal Pole with Mastarm | |
| N/A | Curb Ramp | |
| N/A | Railroad Tracks | |
| A | Left Arrow "ONLY" Sign (R3-5L) | A |
| B | Right Arrow "ONLY" Sign (R3-5R) | B |
| C | Street Name Sign (D3-1) | C |

| OASIS 2070 TIMING CHART | | | |
|---|---|---|---|
| FEATURE | PHASE 2 | PHASE 6 | PHASE 8 |
| Min Green 1 * | 12 | 12 | 7 |
| Extension 1 * | 6.0 | 6.0 | 1.0 |
| Max Green 1 * | 60 | 60 | 25 |
| Yellow Clearance | 4.8 | 4.3 | 3.0 |
| Red Clearance | 1.7 | 1.2 | 2.9 |
| Walk 1 * | - | - | - |
| Don't Walk 1 | - | - | - |
| Seconds Per Actuation * | 1.5 | 1.5 | - |
| Max Variable Initial * | 34 | 34 | - |
| Time Before Reduction * | 15 | 15 | - |
| Time To Reduce * | 30 | 30 | - |
| Minimum Gap | 3.0 | 3.0 | - |
| Recall Mode | MIN RECALL | MIN RECALL | - |
| Vehicle Call Memory | YELLOW | YELLOW | - |
| Dual Entry | - | - | - |
| Simultaneous Gap | ON | ON | ON |

* 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.

Signal Upgrade

Prepared in the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

SCALE 0 40
1"=40'

# SR 1113 (East Kivett Drive) at I-74 EB/US 311 SB Ramps

Division 7 Guilford County High Point

PLAN DATE: July 2014 REVIEWED BY:
PREPARED BY: Jeff Spence REVIEWED BY:

| REVISIONS | INIT. | DATE |
|---|---|---|
| | | |

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 026486 ENGINEER ROBERT J. ZIEMBA

DocuSigned by: 3/18/2015
SIGNATURE DATE

SIG. INVENTORY NO. 07-2005

18-MAR-2015 15:22
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