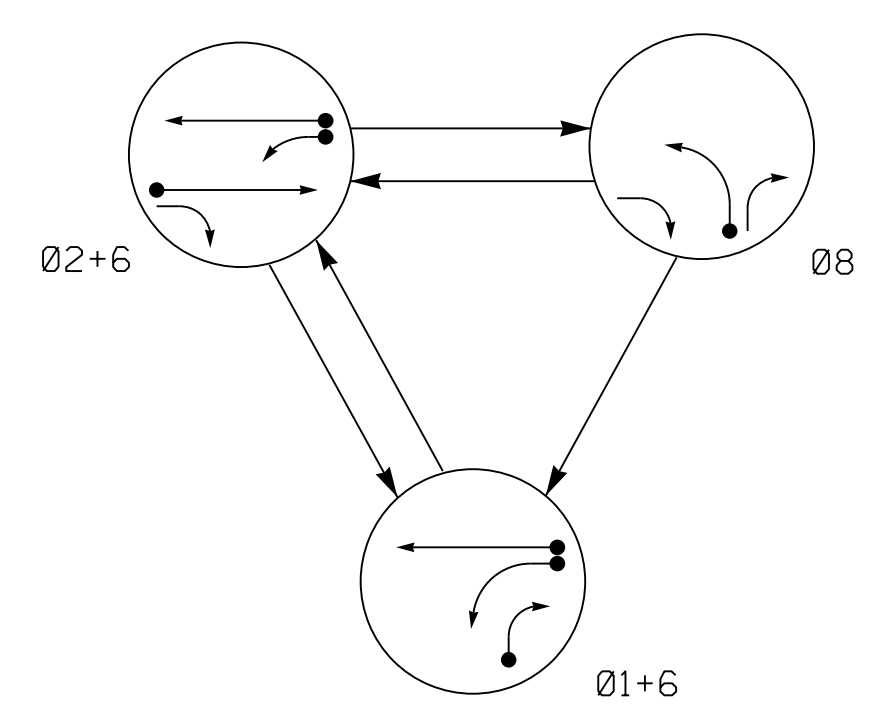


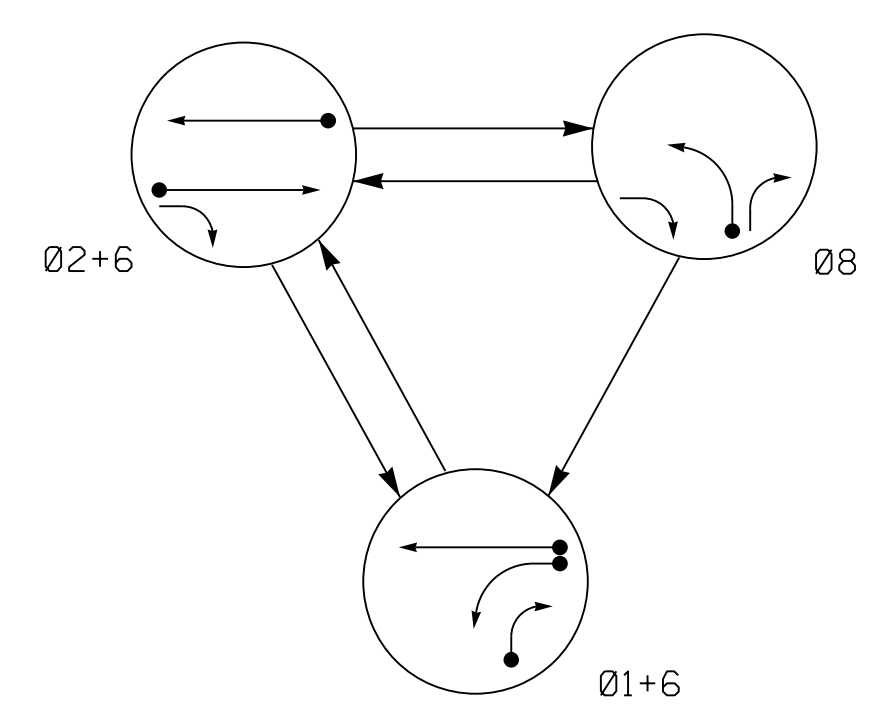
DEFAULT PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

| SIGNAL FACE | PHASE | | | |
|-------------|---------|---------|-----|-------|
| | Ø 1 + 6 | Ø 2 + 6 | Ø 8 | FLASH |
| 11 | ← | ← | ← | ← |
| 21 | R | G | R | Y |
| 22 | R | G | R | Y |
| 61,62 | G | G | R | Y |
| 81,83 | R | R | G | R |
| 82 | R | R | G | R |

ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION

| SIGNAL FACE | PHASE | | | |
|-------------|---------|---------|-----|-------|
| | Ø 1 + 6 | Ø 2 + 6 | Ø 8 | FLASH |
| 11 | ← | ← | ← | ← |
| 21 | R | G | R | Y |
| 22 | R | G | R | Y |
| 61,62 | G | G | R | Y |
| 81,83 | R | R | G | R |
| 82 | R | R | G | R |

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

| ZONE | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | TURNS | NEW LOOP | DETECTOR PROGRAMMING | | | | SYSTEM LOOP | NEW CARD | |
|------|-----------|----------------------------|-------|----------|----------------------|---------|-----------|--------------|-------------|----------|------------|
| | | | | | PHASE | CALLING | EXTENSION | STRETCH TIME | | | DELAY TIME |
| 1A | 6X40 | 0 | * | * | 1 | Y | Y | - | 15 | - | * |
| | | | | | #6 | Y | Y | Y | - | 3 | - |
| 1B | 6X40 | 0 | * | * | 1 | Y | Y | - | 15 | - | * |
| 2A | 6X6 | 300 | * | * | 2 | Y | Y | - | - | - | * |
| 2B | 6X40 | 0 | * | * | 2 | Y | Y | Y | 2.0 | 5 | - |
| 6A | 6X6 | 300 | * | * | 6 | Y | Y | - | - | - | * |
| 6B | 6X40 | 0 | * | * | 6 | Y | Y | Y | 2.0 | 5 | - |
| 8A | 6X40 | 0 | * | * | 8 | Y | Y | - | - | 3 | - |

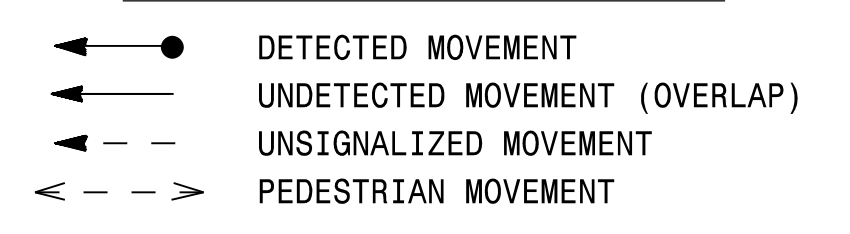
* Video Detection Area
 ★ Reduce delay to 3 sec during Alternate Phasing Operation.
 # Disable Phase(s) call during Alternate Phasing Operation.

3 Phase Fully Actuated Isolated

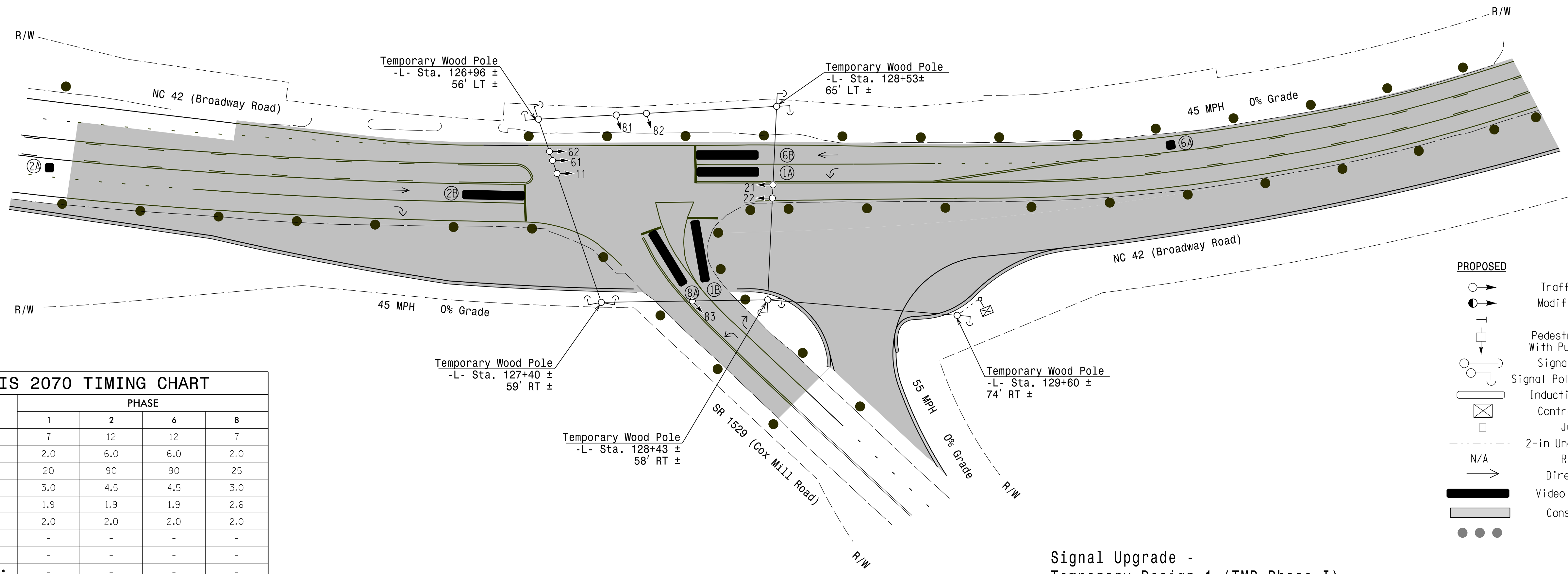
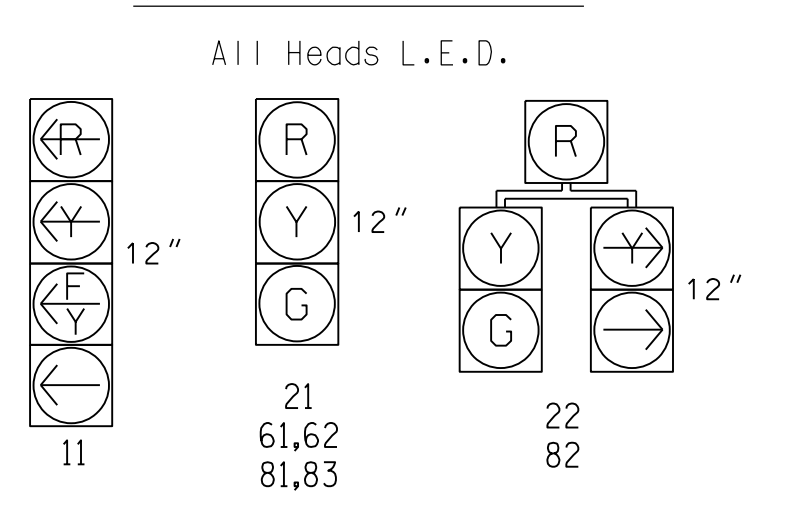
NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- This location utilizes a video detection system. Camera locations should be confirmed in the field by the contractor in order to provide detection of the areas indicated.

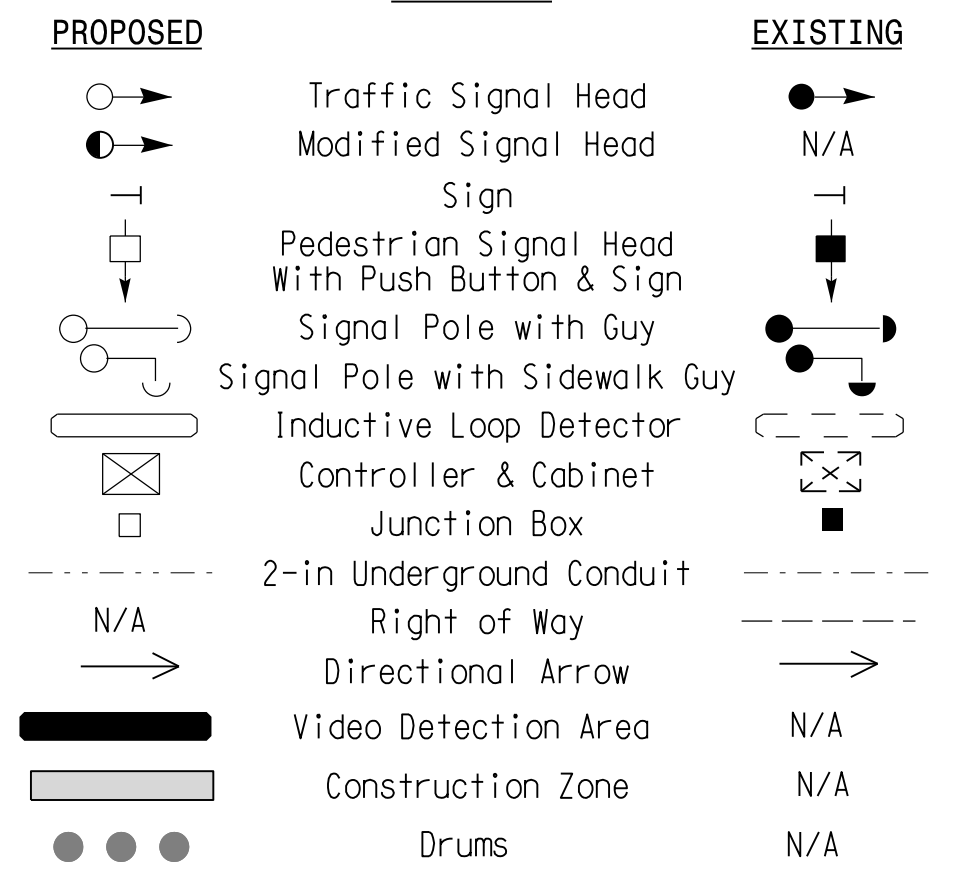
PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE I.D.



LEGEND



OASIS 2070 TIMING CHART

| FEATURE | PHASE | | | |
|-------------------------|-------|------------|------------|-----|
| | 1 | 2 | 6 | 8 |
| Min Green 1 * | 7 | 12 | 12 | 7 |
| Extension 1 * | 2.0 | 6.0 | 6.0 | 2.0 |
| Max Green 1 * | 20 | 90 | 90 | 25 |
| Yellow Clearance | 3.0 | 4.5 | 4.5 | 3.0 |
| Red Clearance | 1.9 | 1.9 | 1.9 | 2.6 |
| Red Revert | 2.0 | 2.0 | 2.0 | 2.0 |
| Walk 1 * | - | - | - | - |
| Don't Walk 1 | - | - | - | - |
| Seconds Per Actuation * | - | - | - | - |
| Max Variable Initial * | - | - | - | - |
| Time Before Reduction * | - | 15 | 15 | - |
| Time To Reduce * | - | 30 | 30 | - |
| Minimum Gap | - | 3.2 | 3.2 | - |
| Recall Mode | - | MIN RECALL | MIN RECALL | - |
| Vehicle Call Memory | - | - | - | - |
| Dual Entry | - | - | - | - |
| Simultaneous Gap | ON | 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 - Temporary Design 1 (TMP Phase I)

| | | | |
|--|--|--|---|
| <p>Stantec Consulting Services Inc. 801 Jones Franklin Road-Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672</p> | | <p>NC 42 (Broadway Road) at SR 1529 (Cox Mill Road)</p> | |
| | | <p>Division 8 Lee County Sanford</p> <p>PLAN DATE: October 2019 REVIEWED BY: D Harris</p> <p>PREPARED BY: B T Keffer REVIEWED BY: B L Watson</p> | <p>DocuSigned by: Regina M. Muncey 10/3/2019</p> |

43888855-SD-DATE\$\$\$\$\$\$
 User: rlmuncey