

PHASING DIAGRAM

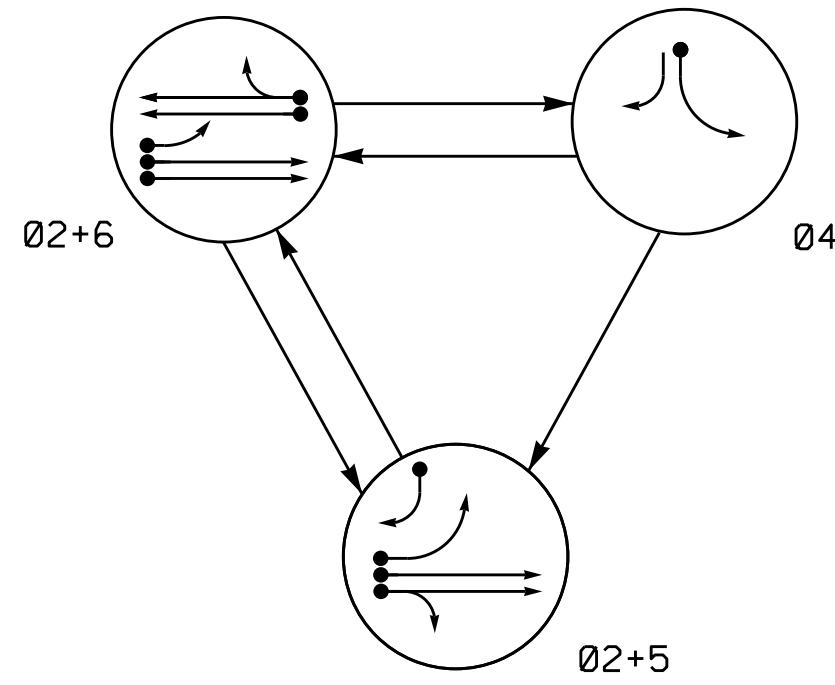


TABLE OF OPERATION

| SIGNAL FACE | PHASE | | | |
|-------------|-------|------|----|-----|
| | 02+5 | 02+6 | 04 | FLY |
| 21 | G | R | Y | |
| 22 | G | R | Y | |
| 41 | R | G | R | |
| 42 | R | G | R | |
| 61, 62 | R | G | R | Y |

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

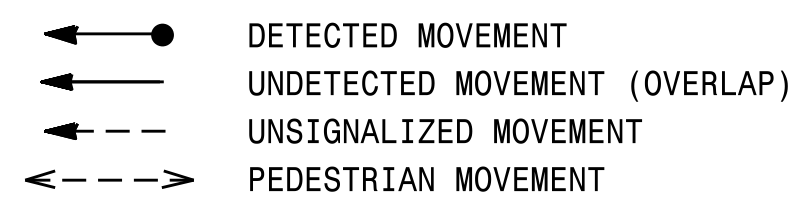
| LOOP | INDUCTIVE LOOPS | | | | DETECTOR PROGRAMMING | | | | | | | |
|------|-----------------|----------------------------|-------|----------|----------------------|---------|-----------|-----------------|--------------|------------|-------------|----------|
| | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | TURNS | NEW LOOP | PHASE | CALLING | EXTENSION | FULL TIME DELAY | STRETCH TIME | DELAY TIME | SYSTEM LOOP | NEW CARD |
| 2A | 6X6 | 300 | 6 | Y | 2 | Y | Y | - | - | - | - | - |
| 2B | 6X6 | 300 | 6 | Y | 2 | Y | Y | - | - | - | - | - |
| 4A | 6X40 | 0 | 2-4-2 | Y | 4 | Y | Y | - | - | 3 | - | - |
| 5A | 6X40 | 0 | 2-4-2 | Y | 5 | Y | Y | - | - | 15 | - | - |
| 5B | 6X40 | 0 | 2-4-2 | Y | 5 | Y | Y | - | - | 15 | - | - |
| 6A | 6X6 | 300 | 4 | Y | 6 | Y | Y | - | - | - | - | - |
| 6B | 6X6 | 300 | 4 | Y | 6 | Y | Y | - | - | - | - | - |
| S17 | 6X6 | +200 | 4 | Y | - | - | - | - | - | - | Y | - |
| S18 | 6X6 | +200 | 4 | Y | - | - | - | - | - | - | Y | - |

3-Phase Fully Actuated US 701 Bus. (Clinton) CLS

NOTES

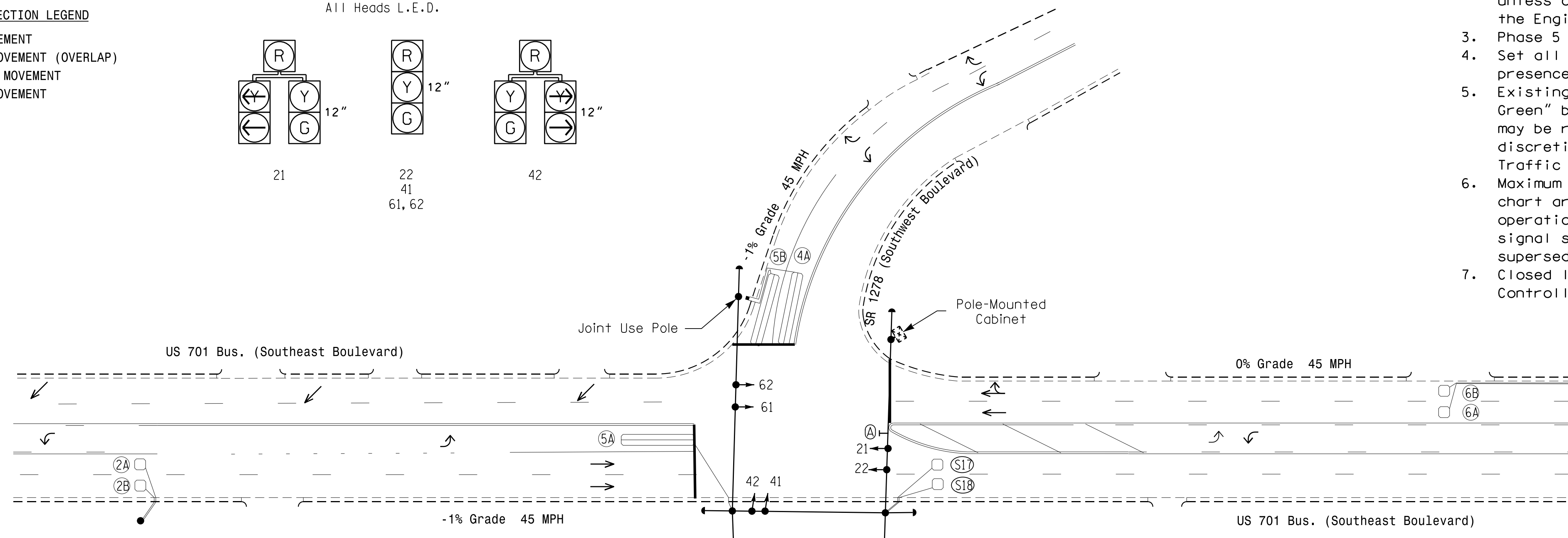
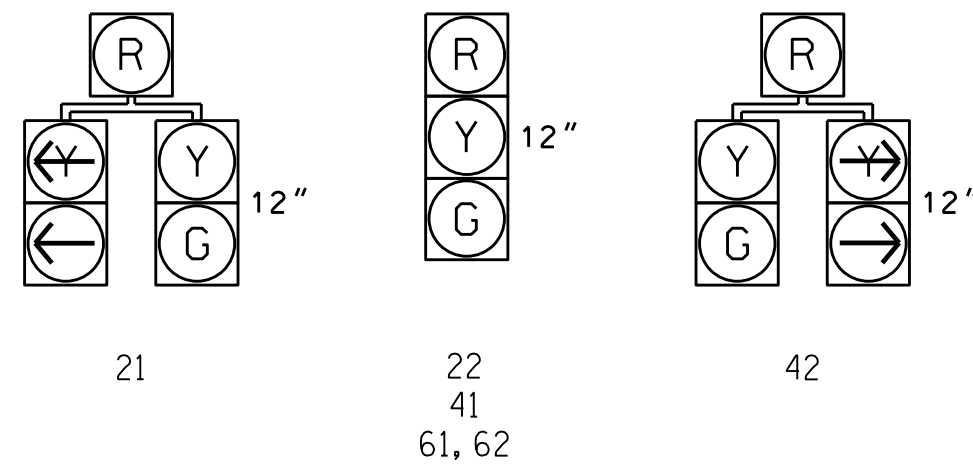
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 5 may be lagged.
4. Set all detector units to presence mode.
5. Existing "Left Turn Yield on Green" ball sign(s)-(R10-12) may be removed at the discretion of the Regional Traffic Engineer.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
7. Closed loop system data: Controller Asset #: 0179.

PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE I.D.

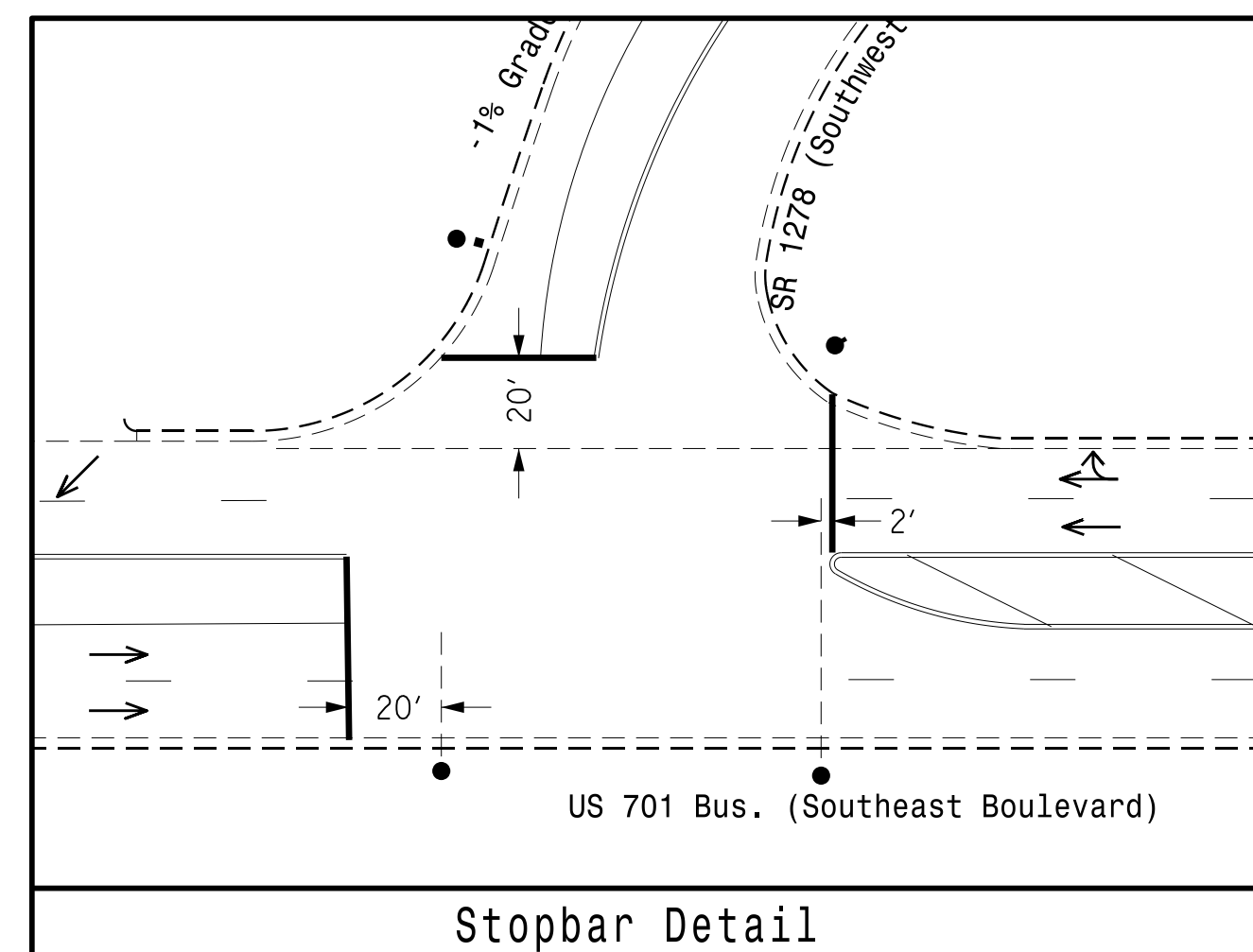
All Heads L.E.D.



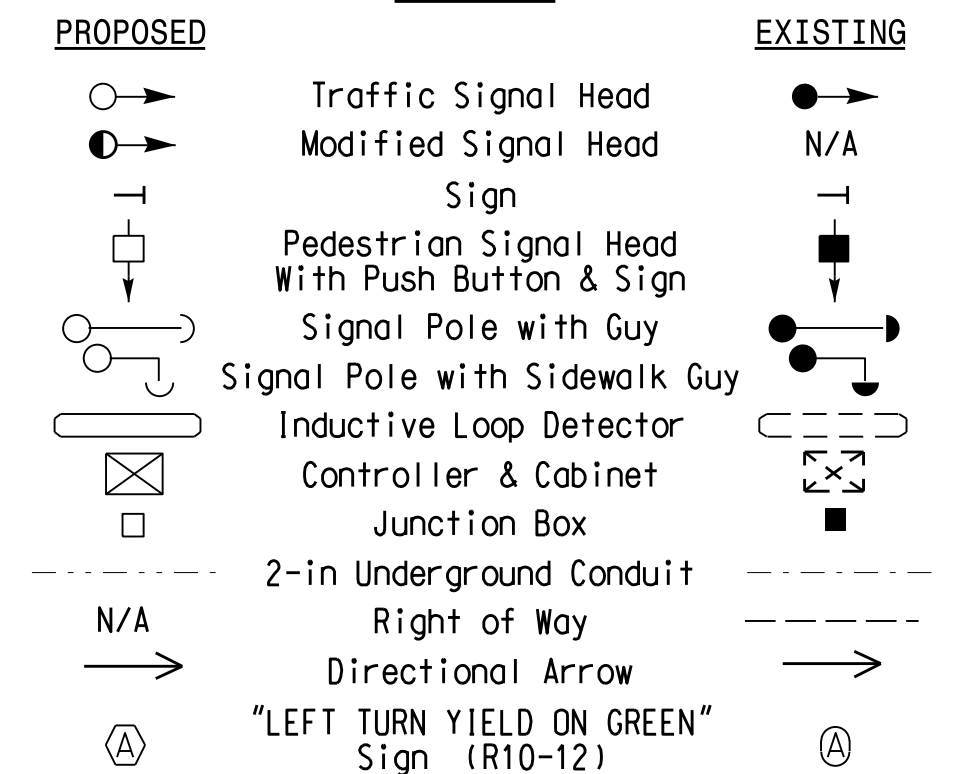
OASIS 2070 TIMING CHART

| FEATURE | PHASE | | | |
|-------------------------|------------|-----|-----|------------|
| | 2 | 4 | 5 | 6 |
| Min Green 1 * | 12 | 7 | 7 | 12 |
| Extension 1 * | 6.0 | 2.0 | 2.0 | 6.0 |
| Max Green 1 * | 90 | 20 | 30 | 90 |
| Yellow Clearance | 4.6 | 3.0 | 3.0 | 4.6 |
| Red Clearance | 1.5 | 2.8 | 2.4 | 1.5 |
| 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 | 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.



LEGEND



Signal Upgrade

Prepared In the Offices of:

US 701 Business (Southeast Boulevard) at SR 1276 (Southwest Boulevard)
 Division 3 Sampson County Clinton
 PLAN DATE: April 2017 REVIEWED BY: JGP
 PREPARED BY: KGP, Jr. REVIEWED BY:
 SCALE: 1" = 40'
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
 SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 029904
 JASON P. GALLOWAY
 DATE: 5/2/2017
 SIG. INVENTORY NO. 03-0179