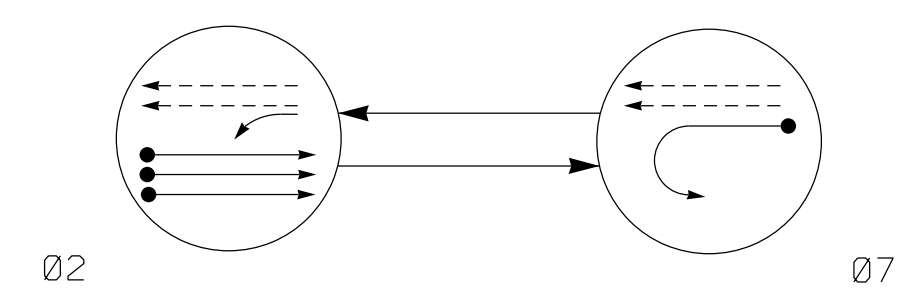
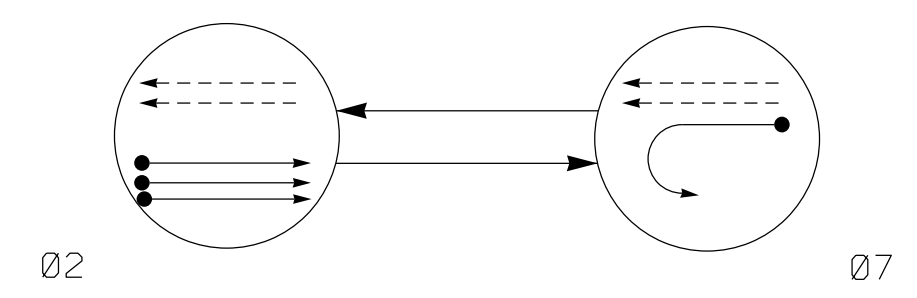


**DEFAULT PHASING DIAGRAM**



**ALTERNATE PHASING DIAGRAM**



**PHASING DIAGRAM DETECTION LEGEND**

- ◄●► DETECTED MOVEMENT
- ◄◄◄ UNDETECTED MOVEMENT (OVERLAP)
- ◄- - - UNSIGNALIZED MOVEMENT
- ◄- - - ► PEDESTRIAN MOVEMENT

**DEFAULT PHASING TABLE OF OPERATION**

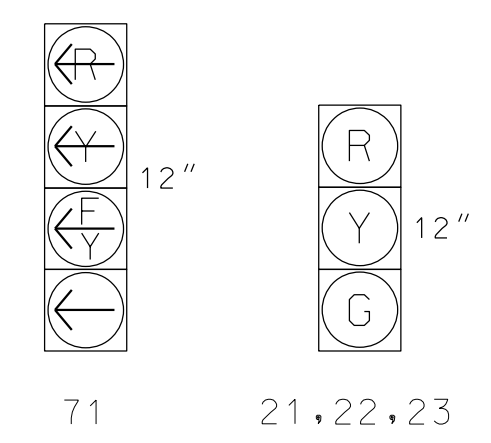
| SIGNAL FACE | PHASE |    |        |
|-------------|-------|----|--------|
|             | 02    | 07 | F LASH |
| 21, 22, 23  | G     | R  | Y      |
| 71          | F     | ←  | →      |

**ALTERNATE PHASING TABLE OF OPERATION**

| SIGNAL FACE | PHASE |    |        |
|-------------|-------|----|--------|
|             | 02    | 07 | F LASH |
| 21, 22, 23  | G     | R  | Y      |
| 71          | ←     | →  | Y      |

**SIGNAL FACE I.D.**

All Heads L.E.D.



**OASIS 2070 LOOP & DETECTOR INSTALLATION CHART**

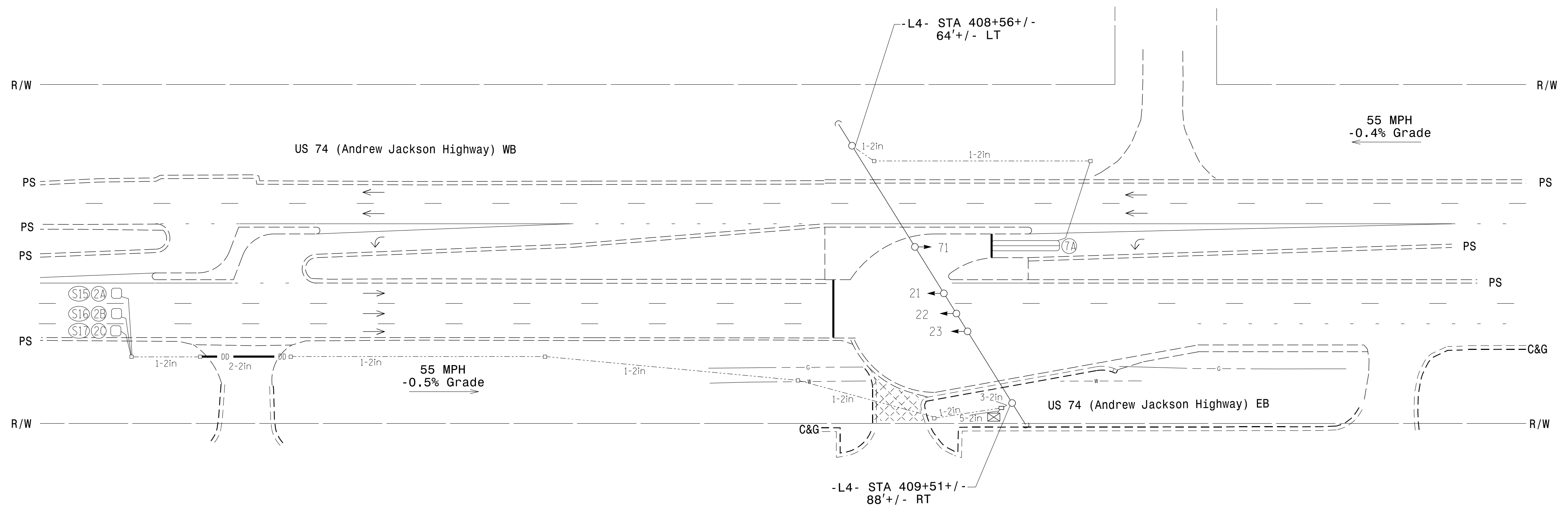
| LOOP   | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | TURNS | DETECTOR PROGRAMMING |       |         |           |                 |              |            |             |          |
|--------|-----------|----------------------------|-------|----------------------|-------|---------|-----------|-----------------|--------------|------------|-------------|----------|
|        |           |                            |       | NEW LOOP             | PHASE | CALLING | EXTENSION | FULL TIME DELAY | STRETCH TIME | DELAY TIME | SYSTEM LOOP | NEW CARD |
| 2A/S15 | 6X6       | 420                        | 5     | Y                    | 2     | Y       | Y         | -               | -            | -          | Y           | Y        |
| 2B/S16 | 6X6       | 420                        | 5     | Y                    | 2     | Y       | Y         | -               | -            | -          | Y           | Y        |
| 2C/S17 | 6X6       | 420                        | 5     | Y                    | 2     | Y       | Y         | -               | -            | -          | Y           | Y        |
| 7A     | 6X40      | 0                          | 2-4-2 | Y                    | 7     | Y       | Y         | -               | -            | 15*        | -           | Y        |

\*Omit delay during Alternate Phasing Operation.

**2 Phase Fully Actuated US 74 - Indian Trail CLS #2**

**NOTES**

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Install combination panel with pedestal extension (see Std drawing 1700.01).
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data: Controller Asset #2194.



**OASIS 2070 TIMING CHART**

| FEATURE                 | PHASE      |     |
|-------------------------|------------|-----|
|                         | 2          | 7   |
| Min Green 1 *           | 14         | 7   |
| Extension 1 *           | 6.0        | 2.0 |
| Max Green 1 *           | 90         | 30  |
| Yellow Clearance        | 5.3        | 3.0 |
| Red Clearance           | 1.0        | 4.0 |
| Red Revert              | 2.0        | 2.0 |
| Walk 1 *                | -          | -   |
| Don't Walk 1            | -          | -   |
| Seconds Per Actuation * | 1.5        | -   |
| Max Variable Initial *  | 46         | -   |
| Time Before Reduction * | 15         | -   |
| Time To Reduce *        | 30         | -   |
| Minimum Gap             | 3.4        | -   |
| Recall Mode             | MIN RECALL | -   |
| Vehicle Call Memory     | YELLOW     | -   |
| Dual Entry              | -          | -   |
| Simultaneous Gap        | 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**

| PROPOSED | EXISTING |
|----------|----------|
| ○        | ●        |
| ◐        | N/A      |
| +        | +        |
| ◻        | ◻        |
| ○        | ●        |
| ○        | ●        |
| ⊗        | ⊗        |
| ⊠        | ⊠        |
| ⊠        | ⊠        |
| ⊠        | ⊠        |
| ---      | ---      |
| - - -    | - - -    |
| - - -    | - - -    |
| - - -    | - - -    |
| →        | →        |

New Installation

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

PLANS PREPARED BY: **DRMP**  
ENGINEERS • PLANNERS • SCIENTISTS

DRMP, INC.  
5950 FAIRVIEW ROAD, SUITE 320  
CHARLOTTE, NC 28210  
NC LICENSE NO. C-2213 • (704) 332-2289

|                                                                                |                                           |
|--------------------------------------------------------------------------------|-------------------------------------------|
| US 74 (Andrew Jackson Hwy) EB at SR 1515 (Sardis Church Road) Westbound U-turn |                                           |
| Division 10 Union County Indian Trail                                          | PLAN DATE: June 2015 REVIEWED BY: L. Moon |
| PREPARED BY: K. Smith                                                          | REVIEWED BY: J. Highland                  |
| REVISIONS                                                                      | INIT. DATE                                |

29-AUG-2016 12:36  
N:\Traffic\GIS\Signal\OASIS\Signal\I.D.=2194.dgn  
T:\moon AT CAR-LMOON1-W