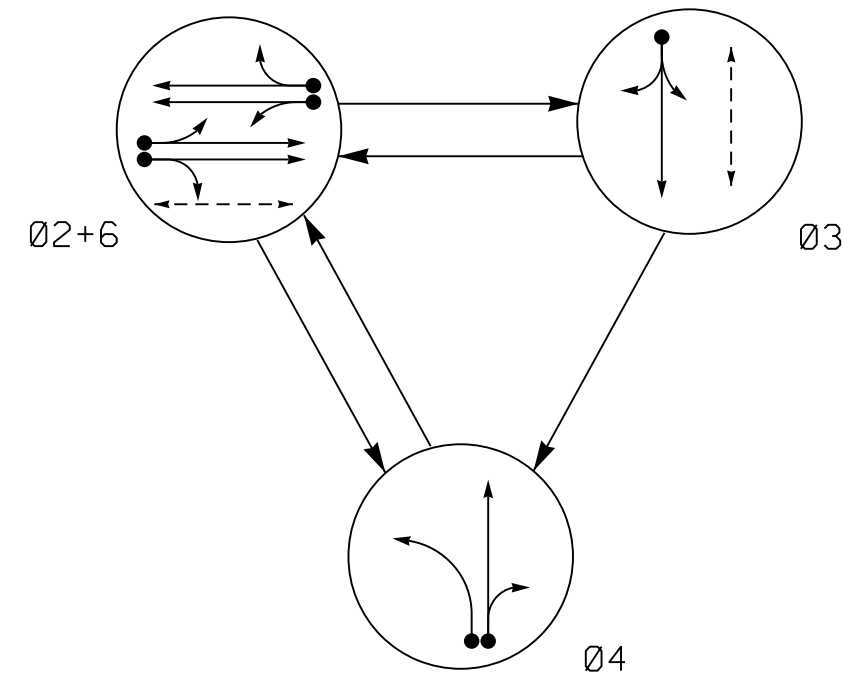
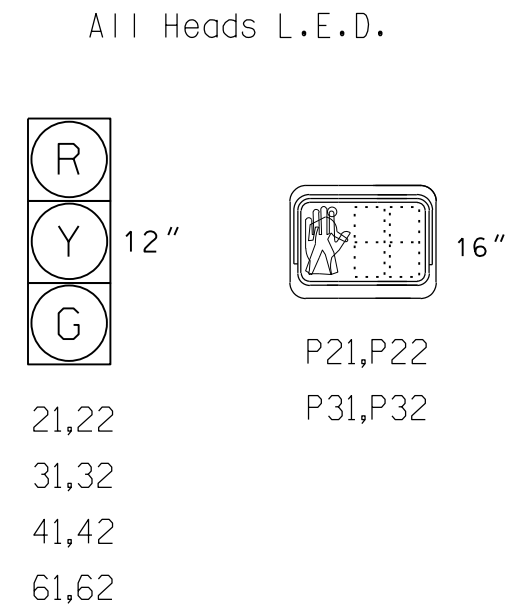


PHASING DIAGRAM



| SIGNAL FACE | PHASE |     |     |       |
|-------------|-------|-----|-----|-------|
|             | Ø 2+6 | Ø 3 | Ø 4 | FLASH |
| 21,22       | G     | R   | R   | Y     |
| 31,32       | R     | G   | R   | R     |
| 41,42       | R     | R   | G   | R     |
| 61,62       | G     | R   | R   | Y     |
| P21,P22     | W     | DW  | DW  | DRK   |
| P31,P32     | DW    | W   | DW  | DRK   |

SIGNAL FACE I.D.



| OASIS 2070 LOOP & DETECTOR INSTALLATION CHART |           |                            |       |          |                      |         |           |                 |              |            |             |          |
|---|-----------|----------------------------|-------|----------|----------------------|---------|-----------|-----------------|--------------|------------|-------------|----------|
| LOOP  | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | TURNS | NEW LOOP | DETECTOR PROGRAMMING |         |           |                 |              |            | SYSTEM LOOP | NEW CARD |
|   |           |                            |       |          | PHASE                | CALLING | EXTENSION | FULL TIME DELAY | STRETCH TIME | DELAY TIME |             |          |
| 2A  | 6x6       | 70                         | EXIST | -        | 2                    | Y       | Y         | -               | -            | -          | -           | -        |
| 2B  | 6x6       | 70                         | EXIST | -        | 2                    | Y       | Y         | -               | -            | -          | -           | -        |
| 3A  | 6x6Ø      | +5                         | EXIST | -        | 3                    | Y       | Y         | -               | -            | 5          | -           | -        |
| 4A  | 6x4Ø      | Ø                          | 2-4-2 | Y        | 4                    | Y       | Y         | -               | -            | -          | -           | -        |
| 4B  | 6x4Ø      | Ø                          | 2-4-2 | Y        | 4                    | Y       | Y         | -               | -            | 5          | -           | -        |
| 6A  | 6x6       | 70                         | EXIST | -        | 6                    | Y       | Y         | -               | -            | -          | -           | -        |
| 6B  | 6x6       | 70                         | EXIST | -        | 6                    | Y       | Y         | -               | -            | -          | -           | -        |

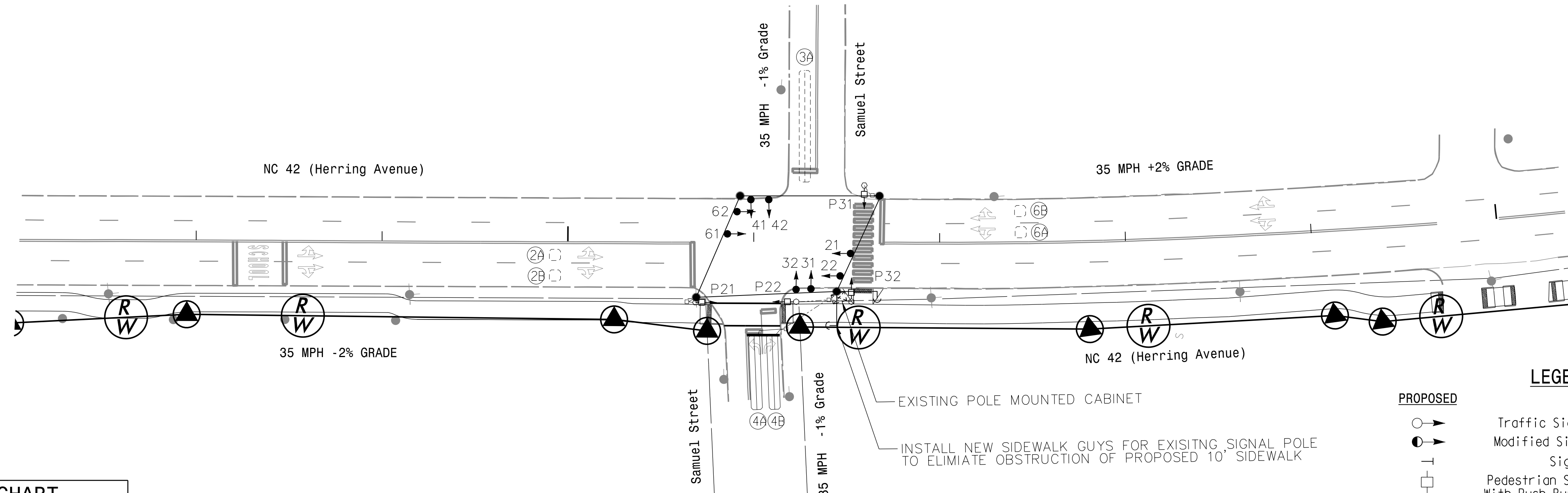
3-Phase Fully Actuated Isolated

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.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "DON'T WALK" time only.

PHASING DIAGRAM DETECTION LEGEND

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



| OASIS 2070 TIMING CHART |            |     |     |            |
|-------------------------|------------|-----|-----|------------|
| FEATURE                 | PHASE      |     |     |            |
|                         | 2          | 3   | 4   | 6          |
| Min Green 1 *           | 12         | 7   | 7   | 12         |
| Extension 1 *           | 3.0        | 1.0 | 1.0 | 3.0        |
| Max Green 1 *           | 45         | 20  | 20  | 45         |
| Yellow Clearance        | 4.0        | 3.6 | 3.6 | 3.7        |
| Red Clearance           | 1.8        | 2.0 | 2.0 | 2.2        |
| Walk 1 *                | 4          | 4   | -   | -          |
| Don't Walk 1            | 6          | 11  | -   | -          |
| Seconds Per Actuation * | -          | -   | -   | -          |
| Max Variable Initial *  | -          | -   | -   | -          |
| Time Before Reduction * | -          | -   | -   | -          |
| Time To Reduce *        | -          | -   | -   | -          |
| Minimum Gap             | -          | -   | -   | -          |
| 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

- | PROPOSED  | EXISTING |
|---|----------|
| ○→ Traffic Signal Head                            | ●→ N/A   |
| ●→ Modified Signal Head                           | ○→ N/A   |
| □→ Sign   | □→ N/A   |
| □→ Pedestrian Signal Head With Push Button & Sign | □→ N/A   |
| ○→ Signal Pole with Guy                           | ●→ N/A   |
| ○→ Signal Pole with Sidewalk Guy                  | ●→ N/A   |
| □→ Inductive Loop Detector                        | □→ N/A   |
| □→ Controller & Cabinet                           | □→ N/A   |
| □→ Junction Box                                   | □→ N/A   |
| --- 2-in Underground Conduit                      | --- N/A  |
| --- Directional Drill                             | --- N/A  |
| N/A Right of Way                                  | --- N/A  |
| → Directional Arrow                               | → N/A    |
| ○ Type II Signal Pedestal                         | ● N/A    |

Signal Modification

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Prepared in the Offices of:  
  
 TRANSPORTATION MOBILITY AND SAFETY DIVISION  
 DEPARTMENT OF TRANSPORTATION  
 STREET OF EMBROIDERY  
 Signal Design Section

NC 42 (Herring Avenue) at Samuel Street  
 Division 4 Wilson County Wilson  
 PLAN DATE: June 2017 REVIEWED BY: W M Ruhssam  
 PREPARED BY: K M Cory REVIEWED BY:  
 REVISIONS: \_\_\_\_\_ INIT. DATE \_\_\_\_\_  
 \_\_\_\_\_ INIT. DATE \_\_\_\_\_  
 \_\_\_\_\_ INIT. DATE \_\_\_\_\_

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
  
 Kelly M Cory 8/4/2017  
 SIGNATURE DATE  
 SIG. INVENTORY NO. 04-0309

04-AUG-2017 11:02  
 X:\PROJ\FACTS\US\_301\TTC\offices\signal\kmc\U-5935\SIG-09.dgn  
 KMCORY AT NCDOT/CORY