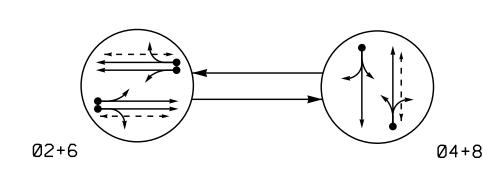
PHASING DIAGRAM



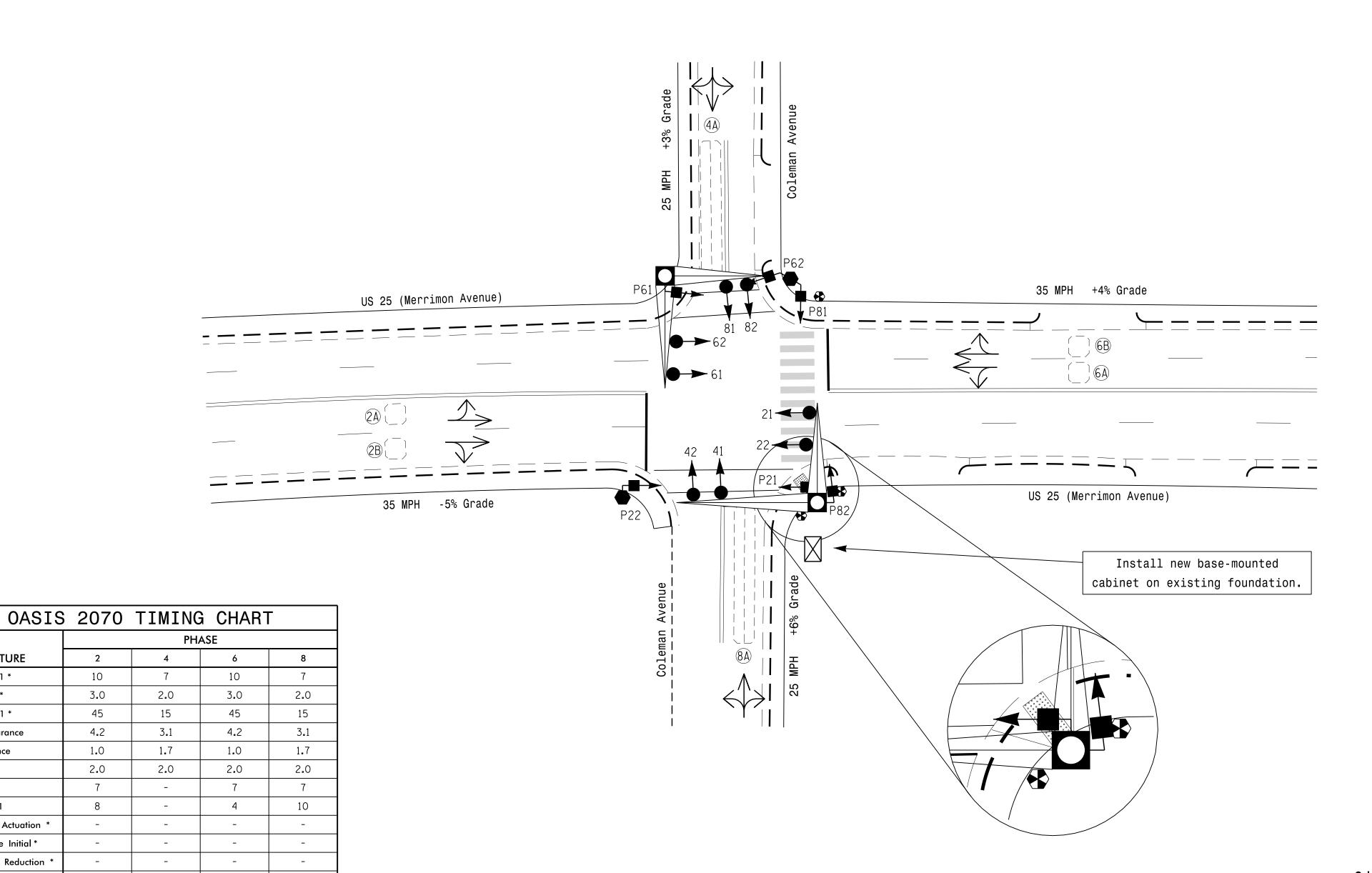
PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT ← − − > PEDESTRIAN MOVEMENT

| TABLE OF OPERATION | | | | | | | | |
|--------------------|-------|------|-------|--|--|--|--|--|
| | PHASE | | | | | | | |
| SIGNAL FACE | ©N+6 | 04+8 | FLASH | | | | | |
| 21, 22 | G | R | Υ | | | | | |
| 41, 42 | R | G | R | | | | | |
| 61, 62 | G | R | Υ | | | | | |
| 81, 82 | R | G | R | | | | | |
| P21, P22 | W | DW | DRK | | | | | |
| P61, P62 | W | DW | DRK | | | | | |
| P81, P82 | DW | W | DRK | | | | | |

| SIGNAL FACE I.D. All Heads L.E.D. | | | | | |
|--------------------------------------|--|--|--|--|--|
| R (Y) 12" | * Accessible Pedestrian Signals | | | | |
| G 12 | 16" | | | | |
| 21, 22 41, 42 61, 62 81, 82 | P21, P22 * P61, P62 * P81, P82 * | | | | |

| 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 | 70 | EXIST | - | 2 | Υ | Υ | - | - | ı | 1 | Υ |
| 2B | 6X6 | 70 | EXIST | - | 2 | Y | Υ | - | - | - | 1 | Υ |
| 4A | 6X40 | 0 | 2-4-2 | - | 4 | Y | Υ | - | - | 5 | ı | Υ |
| 6A | 6X6 | 70 | EXIST | _ | 6 | Y | Υ | _ | - | _ | - | Υ |
| 6B | 6X6 | 70 | EXIST | - | 6 | Y | Υ | _ | - | - | - | Υ |
| 8.8 | 6X40 | 0 | 2-4-2 | - | 8 | Υ | Υ | - | - | 5 | - | Υ |

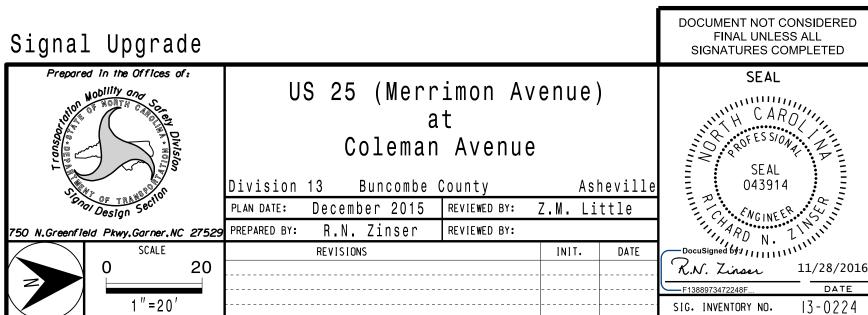


2 Phase Fully Actuated Asheville Signal System

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. Set all detector units to presence mode.
- 4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 6. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 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 EXISTING PROPOSED Traffic Signal Head Modified Signal Head N/A 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 Right of Way \longrightarrow Directional Arrow Metal Pole with Mastarm Type I Pushbutton Post Type II Signal Pedestal Curb Ramp



* 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.

ON

-

-

ON

ON

MIN RECALL

YELLOW

FEATURE

10

3.0

45

1.0

2.0

MIN RECALL

YELLOW

Min Green 1 *

Extension 1 *

Max Green 1 *

Red Clearance

Red Revert

Walk 1 *

Don't Walk 1

Seconds Per Actuation Max Variable Initial*

Time Before Reduction

Time To Reduce *

Vehicle Call Memory

Simultaneous Gap

Minimum Gap

Recall Mode

Dual Entry

Yellow Clearance