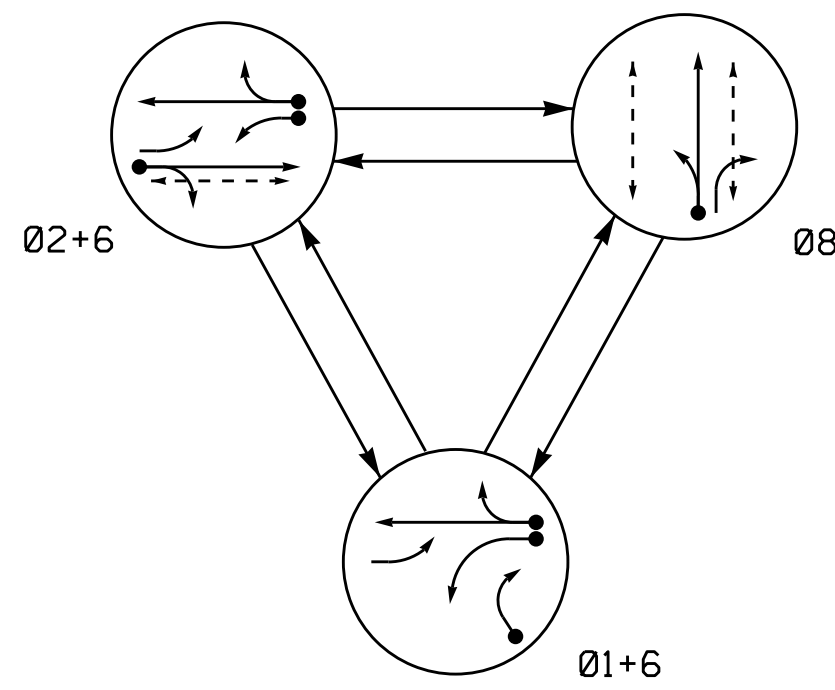


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

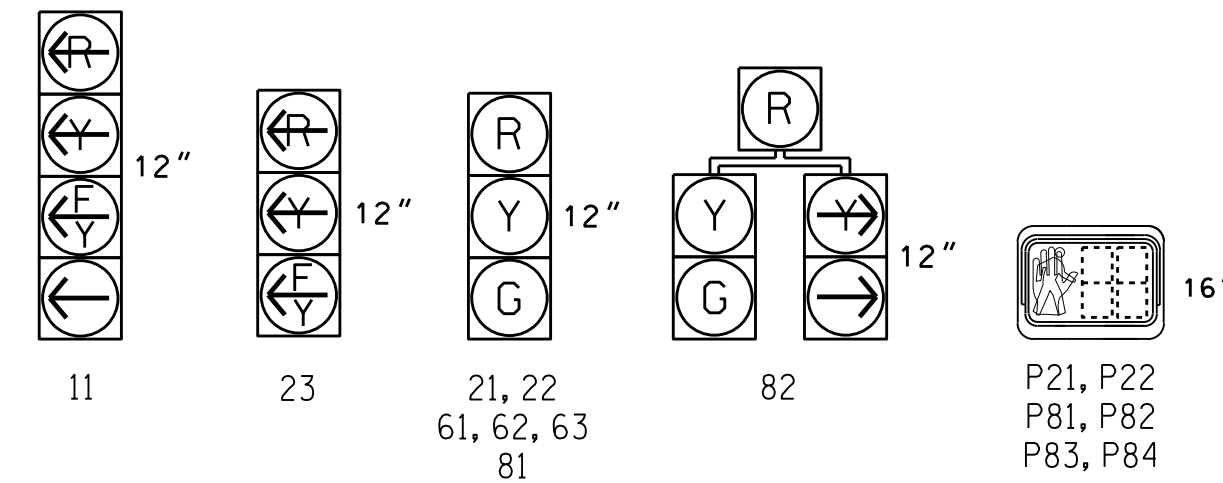
- ←● DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ←--- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE			
	01+6	02+6	08	FL
11	←	←	←	←
21, 22	R	G	R	Y
23	←	←	←	←
61, 62, 63	G	G	R	Y
81	R	R	G	R
82	R	R	G	R
P21, P22	DW	W	DW	DRK
P81, P82	DW	DW	W	DRK
P83, P84	DW	DW	W	DRK

SIGNAL FACE I.D.

All Heads L.E.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	STRETCH TIME			DELAY TIME
1A	6X60	0	2-4-2	-	1	Y	Y	-	15	-	Y
1B	6X60	0	2-4-2	-	6	Y	Y	-	-	-	Y
1C	6X6	+5	EXIST	-	1	Y	Y	-	15	-	Y
2A	6X6	90	EXIST	-	2	Y	Y	-	-	-	Y
6A	6X6	90	EXIST	-	6	Y	Y	-	-	-	Y
8A	6X60	0	2-4-2	-	8	Y	Y	-	3	-	Y

3 Phase Fully Actuated (High Point Signal System)

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.
- Phase 1 may be lagged.
- Renumber existing phase 4 as phase 8.
- Reposition existing signal head numbered 62.
- Set all detector units to presence mode.
- In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Pavement markings are existing unless otherwise shown.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

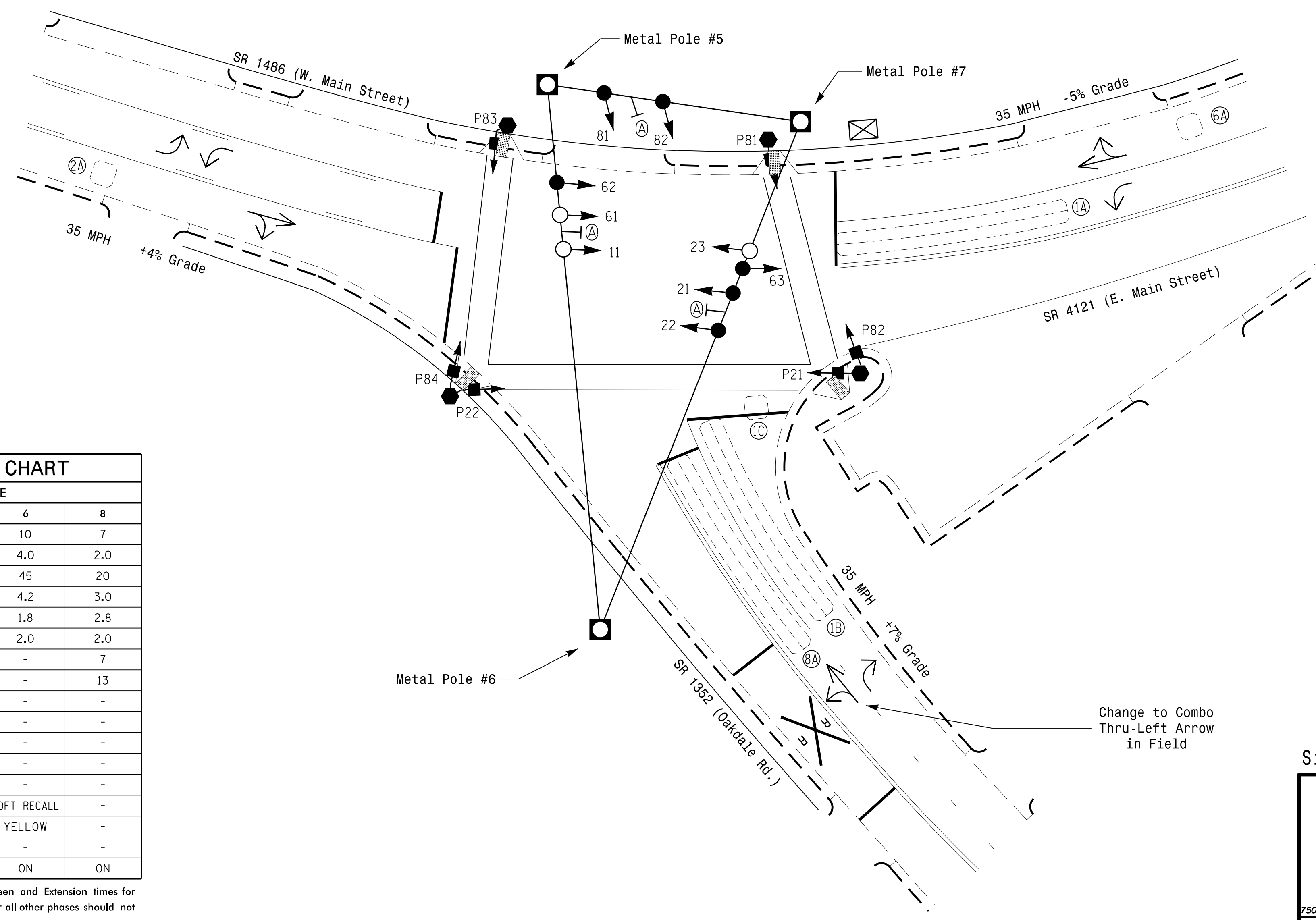
LEGEND

- | PROPOSED   | EXISTING                        |
|--|---------------------------------|
| ○→ Traffic Signal Head                           | ●→ Traffic Signal Head          |
| ○→ Modified Signal Head                          | N/A                             |
| ⊥ Sign   | ⊥ Sign                          |
| ⊥ Pedestrian Signal Head With Push Button & Sign | ⊥ Pedestrian Signal Head        |
| ⊥ Signal Pole with Guy                           | ⊥ Signal Pole with Guy          |
| ⊥ Signal Pole with Sidewalk Guy                  | ⊥ Signal Pole with Sidewalk Guy |
| ⊥ Inductive Loop Detector                        | ⊥ Inductive Loop Detector       |
| ⊥ Controller & Cabinet                           | ⊥ Controller & Cabinet          |
| ⊥ Junction Box                                   | ⊥ Junction Box                  |
| ⊥ 2-in Underground Conduit                       | ⊥ 2-in Underground Conduit      |
| N/A Right of Way                                 | --- Right of Way                |
| → Directional Arrow                              | → Directional Arrow             |
| ⊠ Metal Strain Pole                              | ⊠ Metal Strain Pole             |
| N/A Curb Ramp                                    | ▲ Curb Ramp                     |
| ○ Type II Signal Pedestal                        | ● Type II Signal Pedestal       |
| ⊠ Street Name Sign (D3-1)                        | ⊠ Street Name Sign (D3-1)       |

OASIS 2070 TIMING CHART

FEATURE	PHASE			
	1	2	6	8
Min Green 1 *	7	10	10	7
Extension 1 *	1.0	4.0	4.0	2.0
Max Green 1 *	15	45	45	20
Yellow Clearance	3.1	4.2	4.2	3.0
Red Clearance	2.6	1.8	1.8	2.8
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	7	-	7
Don't Walk 1	-	21	-	13
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode **	-	SOFT RECALL	SOFT 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.  
 \*\* May be changed to Min Recall by Time of Day at discretion of City Traffic Engineer.



Signal Upgrade

SR 1486/4121 (Main Street) at SR 1352 (Oakdale Road)

Division 7 Guilford County Jamestown

PLAN DATE: May 2014 PREPARED BY: R.N. Zinser

PREPARED BY: L. Blount REVIEWED BY:

SEAL

ROBERT J. ZIEMBA

ENGINEER

026486

4/7/2015

SIG. INVENTORY NO. 07-1437

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE 0 20 1"=20'