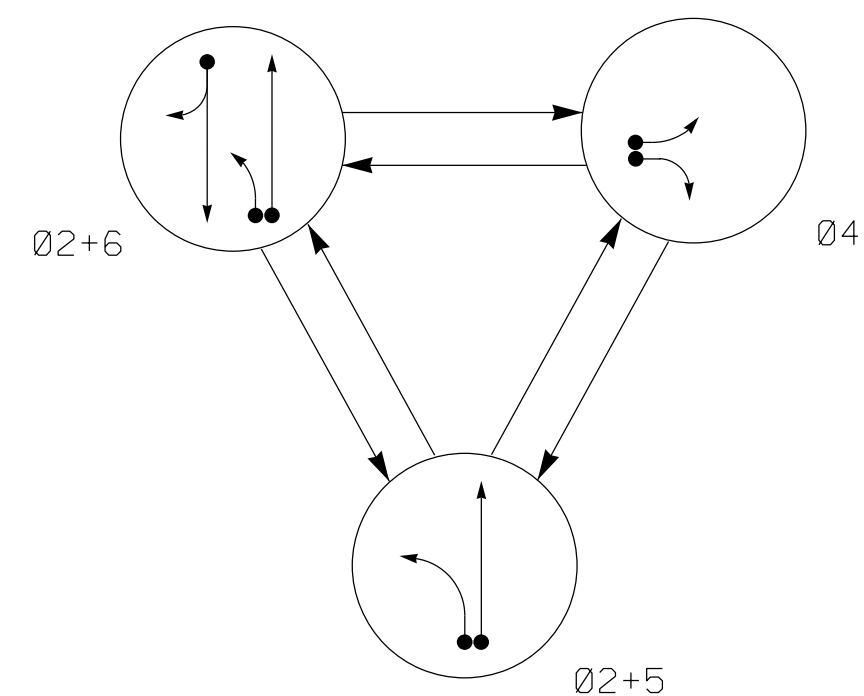


**PHASING DIAGRAM**



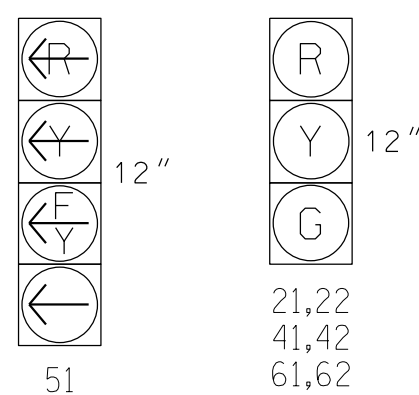
**TABLE OF OPERATION**

SIGNAL FACE	PHASE			
	Ø 2+6	Ø 2+5	Ø 4	FLASHER
21,22	G	G	R	Y
41, 42	R	R	G	R
51	F	←	→	Y
61, 62	G	R	R	Y

F = Flashing Yellow Arrow

**SIGNAL FACE I.D.**

All Heads L.E.D.



**PHASING DIAGRAM DETECTION LEGEND**

- → DETECTED MOVEMENT
- → UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ⇄ PEDESTRIAN MOVEMENT

**OASIS 2070 LOOP & DETECTOR INSTALLATION CHART**

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6x6	70	3	-	2	Y	Y	-	-	-	-	Y
4A	6x40	+5	EXIST	-	4	Y	Y	-	-	-	-	Y
4B	6x40	+5	EXIST	-	4	Y	Y	-	-	-	-	Y
5A	6x40	0	2-4-2	-	5	Y	Y	-	-	15	-	Y
6A	6x6	84	EXIST	-	6	Y	Y	-	-	-	-	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.
- Set all detector units to presence mode.
- Reposition existing signal head numbered 22, replace signal cable to accommodate shift, and new signal head 21.
- Install new signal cable as necessary for new signal head 51.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 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.
- Phase 5 may be lagged.

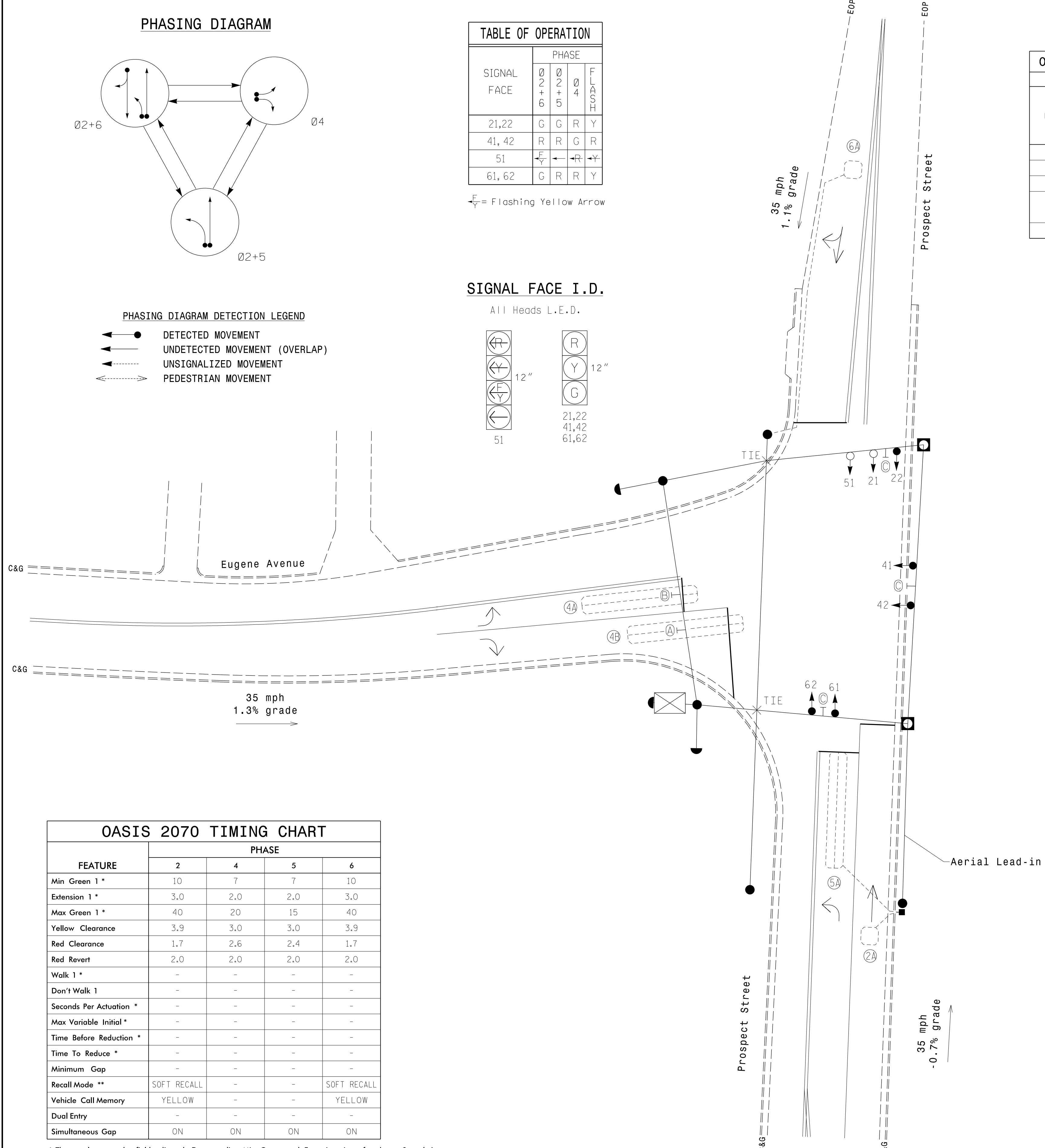
**LEGEND**

- | PROPOSED   | EXISTING   |
|--|--|
| ○ → Traffic Signal Head                          | ● → N/A  |
| ○ → Modified Signal Head                         | ○ → N/A  |
| ⊥ Sign   | ⊥ Sign   |
| ⊥ Pedestrian Signal Head With Push Button & Sign | ⊥ Pedestrian Signal Head With Push Button & Sign |
| ○ → 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                              |
| ⊠ Right Arrow "ONLY" Sign (R3-5R)                | ⊠ Right Arrow "ONLY" Sign (R3-5R)                |
| ⊠ Left Arrow "ONLY" Sign (R3-5L)                 | ⊠ Left Arrow "ONLY" Sign (R3-5L)                 |
| ⊠ Street Name Sign                               | ⊠ Street Name Sign                               |

FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	10	7	7	10
Extension 1 *	3.0	2.0	2.0	3.0
Max Green 1 *	40	20	15	40
Yellow Clearance	3.9	3.0	3.0	3.9
Red Clearance	1.7	2.6	2.4	1.7
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
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.

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 MLE2054 - AT 02520140



**Signal Upgrade**

 Department of Transportation 211 S. Hamilton Street High Point, NC 27600	<b>Prospect Street at Eugene Avenue</b> Division 07 Guilford County High Point		
	PLAN DATE: July 2014 PREPARED BY: AJ Davis	REVIEWED BY: MB Toth REVIEWED BY: LM Moon	
SCALE: 1"=20' 	REVISIONS:	INIT. DATE:	DocuSigned by: Melissa B. Toth SIGNATURE DATE: 6/5/2015 SIG. INVENTORY NO. HP0310

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 310  
 RALEIGH, NORTH CAROLINA 27609  
 (919) 876-6888 NCBEES #F-0326