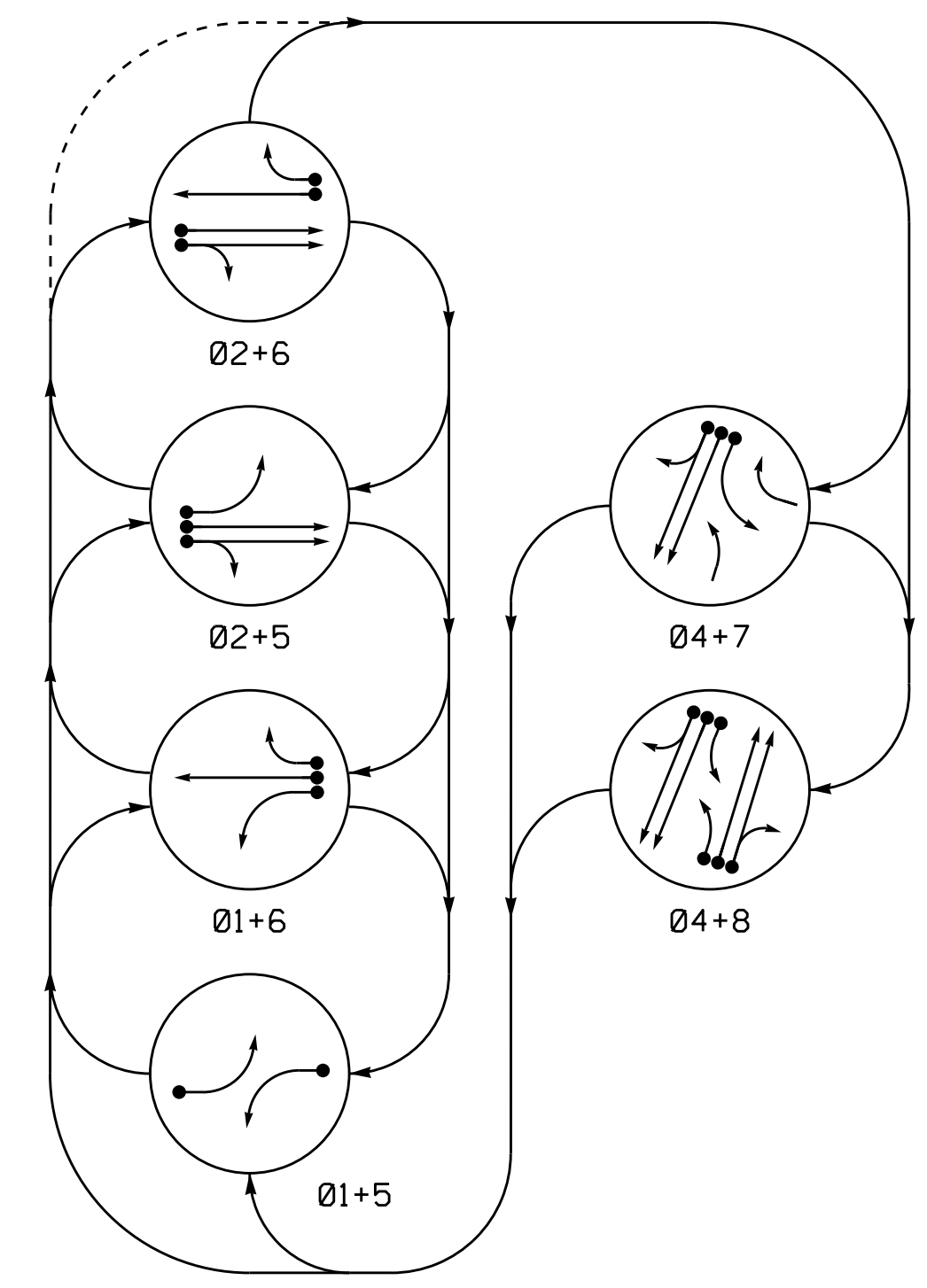


6 Phase Fully Actuated (High Point Signal System)

PHASING DIAGRAM

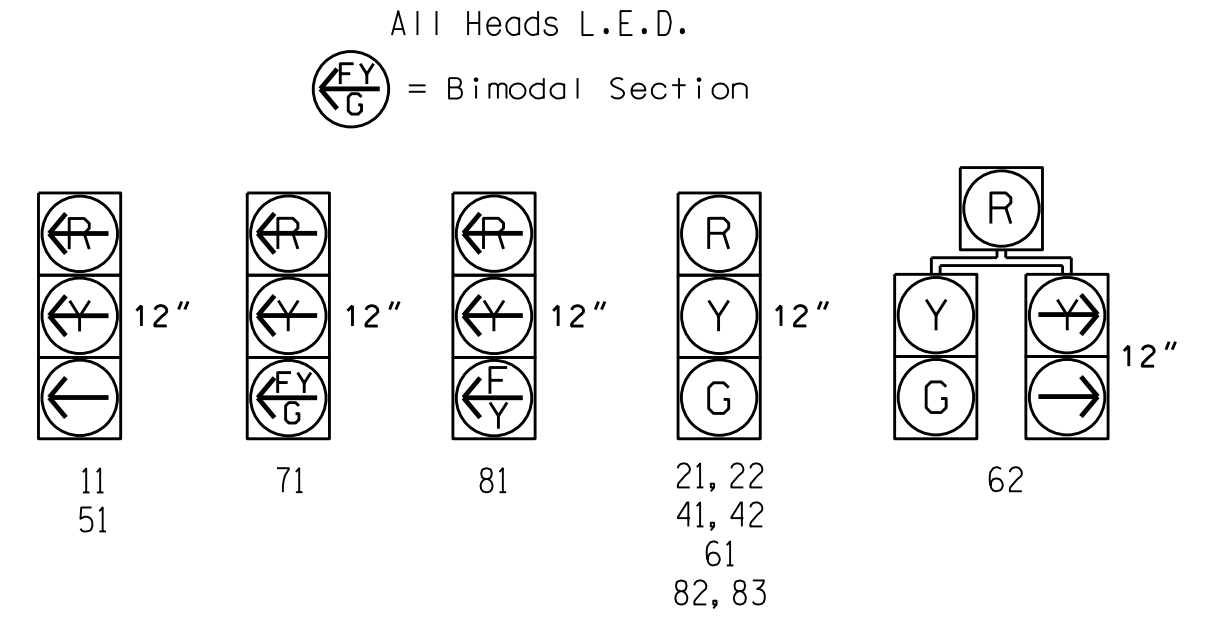


**PHASING DIAGRAM DETECTION LEGEND**  
 ● DETECTED MOVEMENT  
 ○ UNDETECTED MOVEMENT (OVERLAP)  
 - - - UNSIGNALIZED MOVEMENT  
 - - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	04+7	04+8	FL	HL
11	-	-	-	-	-	-	-	-
21, 22	R	R	G	G	R	R	Y	
41, 42	R	R	R	R	G	G	R	
51	-	-	-	-	-	-	-	-
61	R	G	R	G	R	R	Y	
62	R	G	R	G	R	R	Y	
71	R	R	R	R	-	-	-	-
81	R	R	R	R	-	-	-	-
82, 83	R	R	R	R	R	G	R	

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING							
				PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD	
1A	6X40	0	2-4-2	-	1	Y	Y	-	3	-	Y
2A, 2B	6X6	70	EXIST	-	2	Y	Y	-	-	-	Y
4A, 4B	6X40	+5	2-4-2	-	4	Y	Y	-	-	5	Y
5A	6X40	0	2-4-2	-	5	Y	Y	-	-	3	Y
6A, 6B	6X6	70	EXIST	-	6	Y	Y	-	-	-	Y
7A	6X40	+5	2-4-2	-	7	Y	Y	-	-	15	Y
8A	6X40	+5	2-4-2	-	8	Y	Y	-	-	3	Y
8B, 8C	6X40	+5	2-4-2	-	8	Y	Y	-	-	5	Y
S1	6X6	+160	EXIST	-	-	-	-	-	-	-	Y
S2	6X6	+160	EXIST	-	-	-	-	-	-	-	Y
S3	6X6	+325	EXIST	-	-	-	-	-	-	-	Y
S4	6X6	+325	EXIST	-	-	-	-	-	-	-	Y
S5	6X6	+190	EXIST	-	-	-	-	-	-	-	Y
S6	6X6	+190	EXIST	-	-	-	-	-	-	-	Y

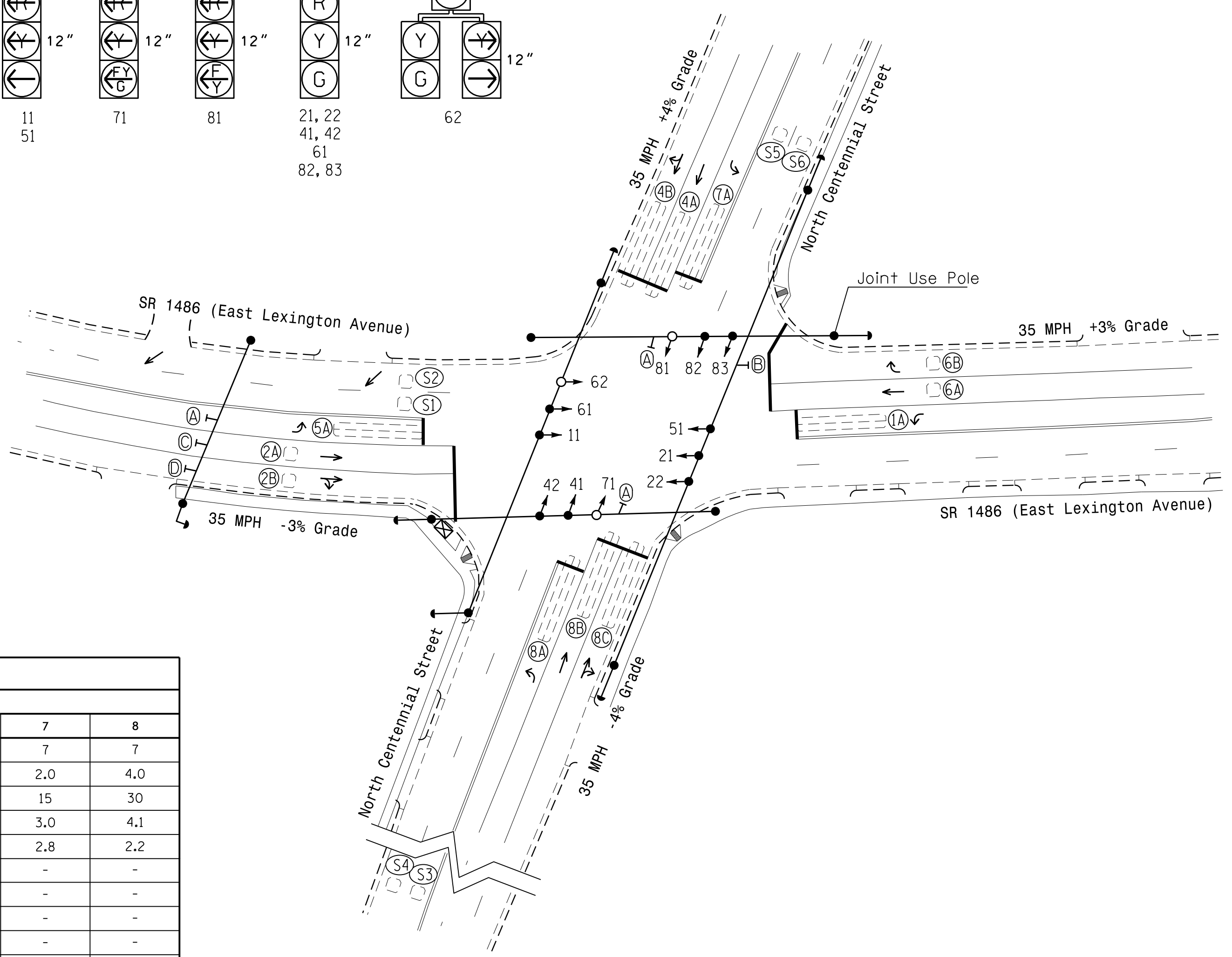
NOTES

- 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 and/or phase 5 may be lagged.
- Phase 7 may be lagged.
- 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.
- Remove existing "Left Turn Signal" signs (R10-10L).
- Existing Left Arrow "ONLY" signs (R3-5L) may be removed at the direction of the Engineer.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

OASIS 2070 TIMING CHART

FEATURE	PHASE							
	1	2	4	5	6	7	8	
Min Green 1*	7	10	7	7	10	7	7	
Extension 1*	2.0	4.0	4.0	2.0	4.0	2.0	4.0	
Max Green 1*	15	30	30	15	30	15	30	
Yellow Clearance	3.0	4.1	4.1	3.0	3.7	3.0	4.1	
Red Clearance	3.3	2.1	2.2	3.6	2.0	2.8	2.2	
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	-	-	ON	-	-	-	ON	
Simultaneous Gap	ON	ON	ON	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.



LEGEND

PROPOSED	EXISTING
○	●
○	N/A
⊕	⊕
⊕	⊕
⊕	⊕
⊕	⊕
⊕	⊕
⊕	⊕
⊕	⊕
N/A	→
N/A	→
⊕	⊕
⊕	⊕
⊕	⊕
⊕	⊕

Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1486 (E. Lexington Avenue) at North Centennial Street

Division 7 Guilford County High Point

PLAN DATE: October 2014 REVIEWED BY:

PREPARED BY: Jeff Spence REVIEWED BY:

REVISIONS: \_\_\_\_\_ INIT: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL

3/31/2015

SIG. INVENTORY NO. 07-0758

31-1486-2014-1724  
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