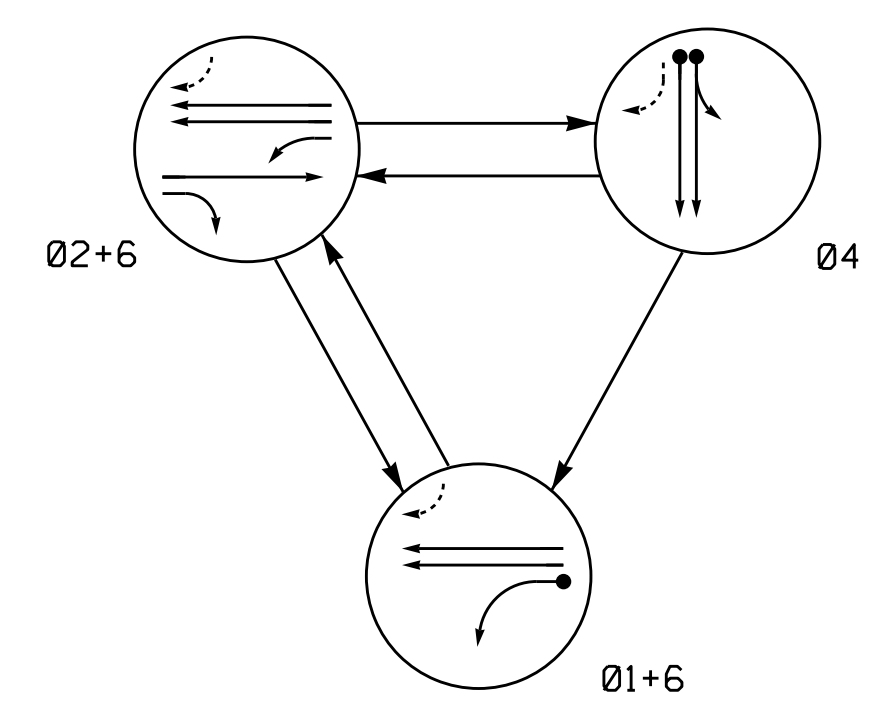


PHASING DIAGRAM



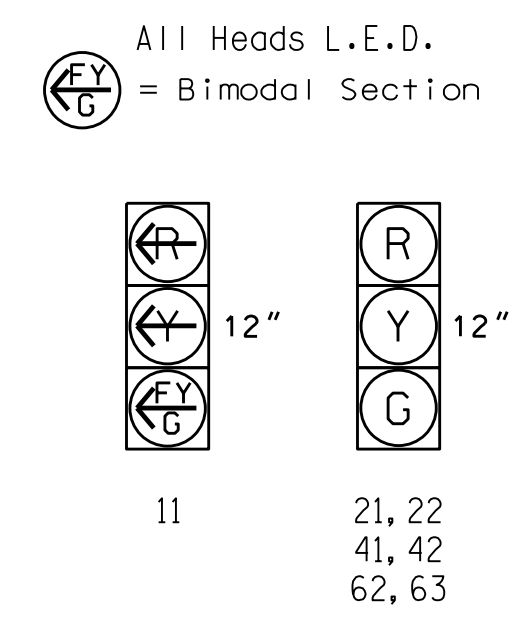
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE			
	Ø 1+6	Ø 2+6	Ø 4	FLASH
11	←	←	←	←
21, 22	R	G	R	Y
41, 42	R	R	G	R
62, 63	G	G	R	Y

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

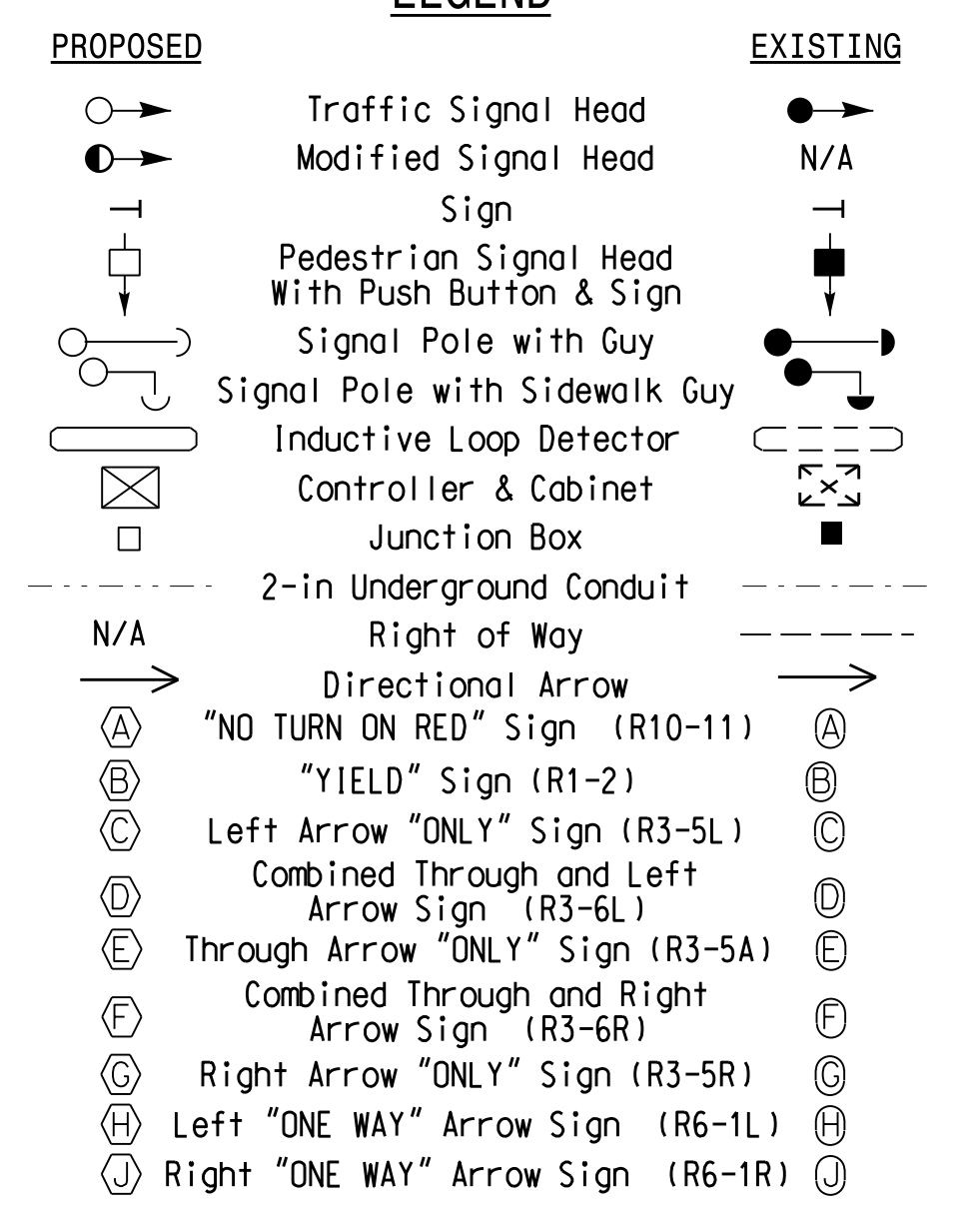
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	STRETCH TIME			DELAY TIME
1A	6X40	0	2-4-2	-	1	Y	Y	-	15	-	Y
4A	6X40	0	2-4-2	-	4	Y	Y	-	10	-	Y
4B	6X40	0	2-4-2	-	4	Y	Y	-	-	-	Y
S1	6X6	+135	EXIST	-	-	-	-	-	-	-	Y
S2	6X6	+135	EXIST	-	-	-	-	-	-	-	Y

3 Phase Semi-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.
- 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 Yield on Green" ball sign (R10-12).
- Existing lane control signs may be removed at the direction of the Engineer.
- 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.

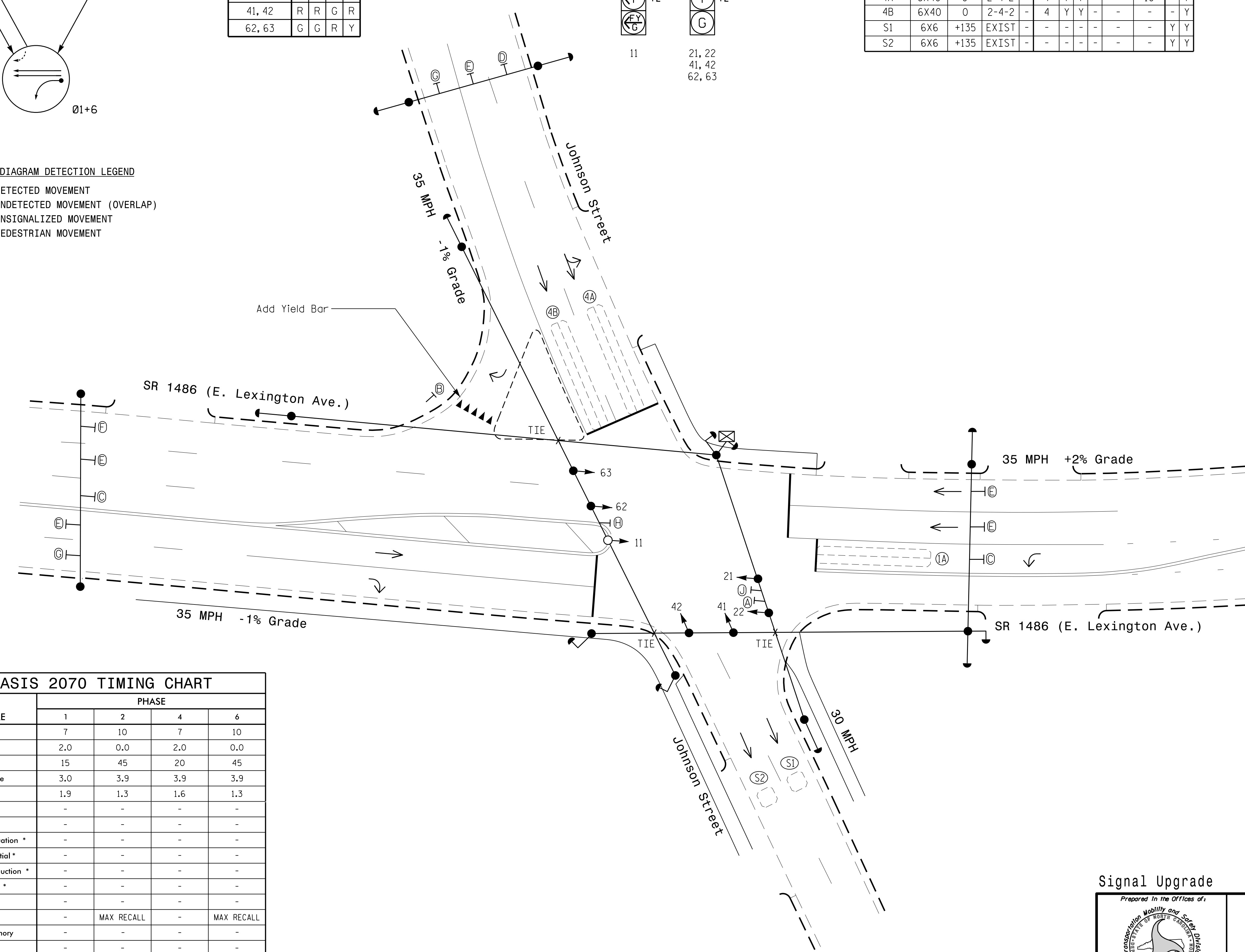
LEGEND



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	1	2	4	6
Min Green 1 *	7	10	7	10
Extension 1 *	2.0	0.0	2.0	0.0
Max Green 1 *	15	45	20	45
Yellow Clearance	3.0	3.9	3.9	3.9
Red Clearance	1.9	1.3	1.6	1.3
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	-	MAX RECALL	-	MAX RECALL
Vehicle Call Memory	-	-	-	-
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.



Signal Upgrade

SR 1486 (E. Lexington Ave.) at Johnson Street

Division 7 Guilford County High Point

PLAN DATE: May 2015 PREPARED BY: R.N. Zinser

REVISIONS: _____ INIT: _____ DATE: _____

SEAL

ROBERT J. ZIEMBA

ENGINEER

026486

5/12/2015

SIG. INVENTORY NO. 07-0814

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