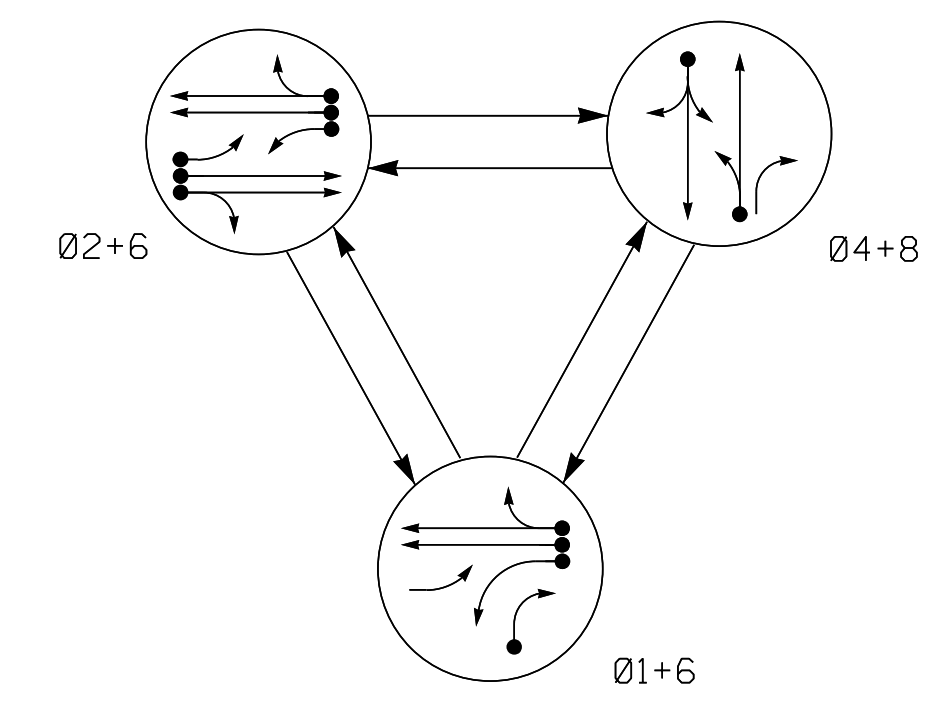
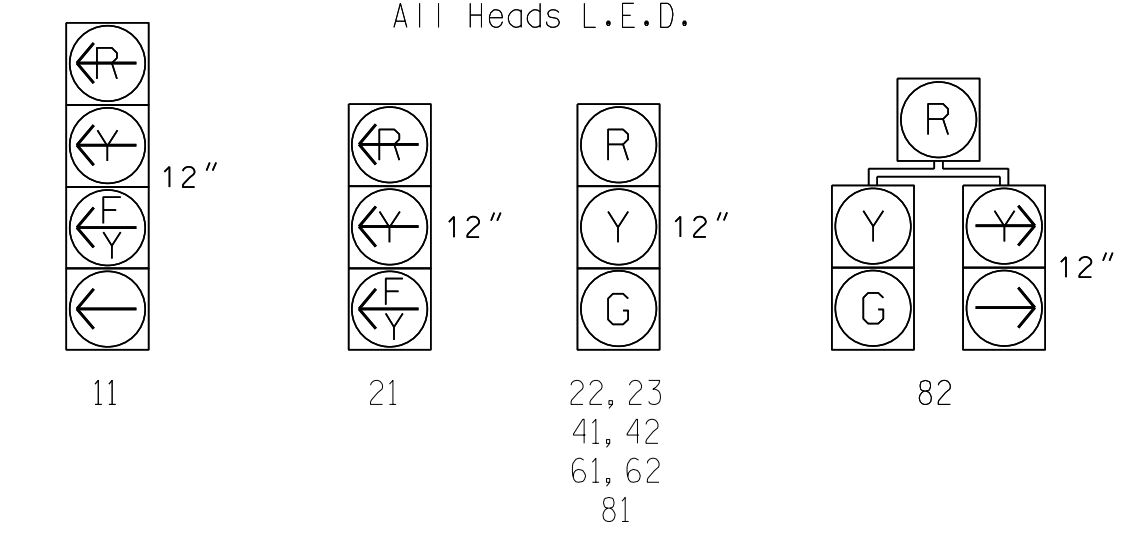


**PHASING DIAGRAM**



SIGNAL FACE	PHASE			
	01+6	02+6	04+8	FLASH
11	←	←	←	←
21	←	←	←	←
22,23	R	G	R	Y
41, 42	R	R	G	R
61, 62	G	G	R	Y
81	R	R	G	R
82	R	R	G	R

**SIGNAL FACE I.D.**

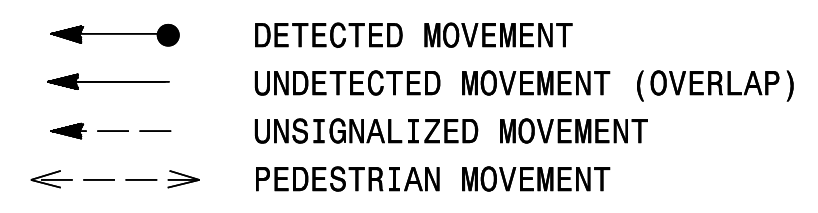


**OASIS 2070 LOOP & DETECTOR INSTALLATION CHART**

LOOP/ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
1A *	*	0	*	-	1	Y	Y	-	-	15	-	*
1B *	*	0	*	-	6	Y	Y	Y	-	3	-	*
2A *	*	200	*	-	2	Y	Y	-	-	-	-	*
4A *	*	0	*	-	4	Y	Y	-	-	10	-	*
6A *	*	250	*	-	6	Y	Y	-	-	-	-	*
8A *	*	0	*	-	8	Y	Y	-	-	3	-	*

\*Multi-Zone Microwave Detection

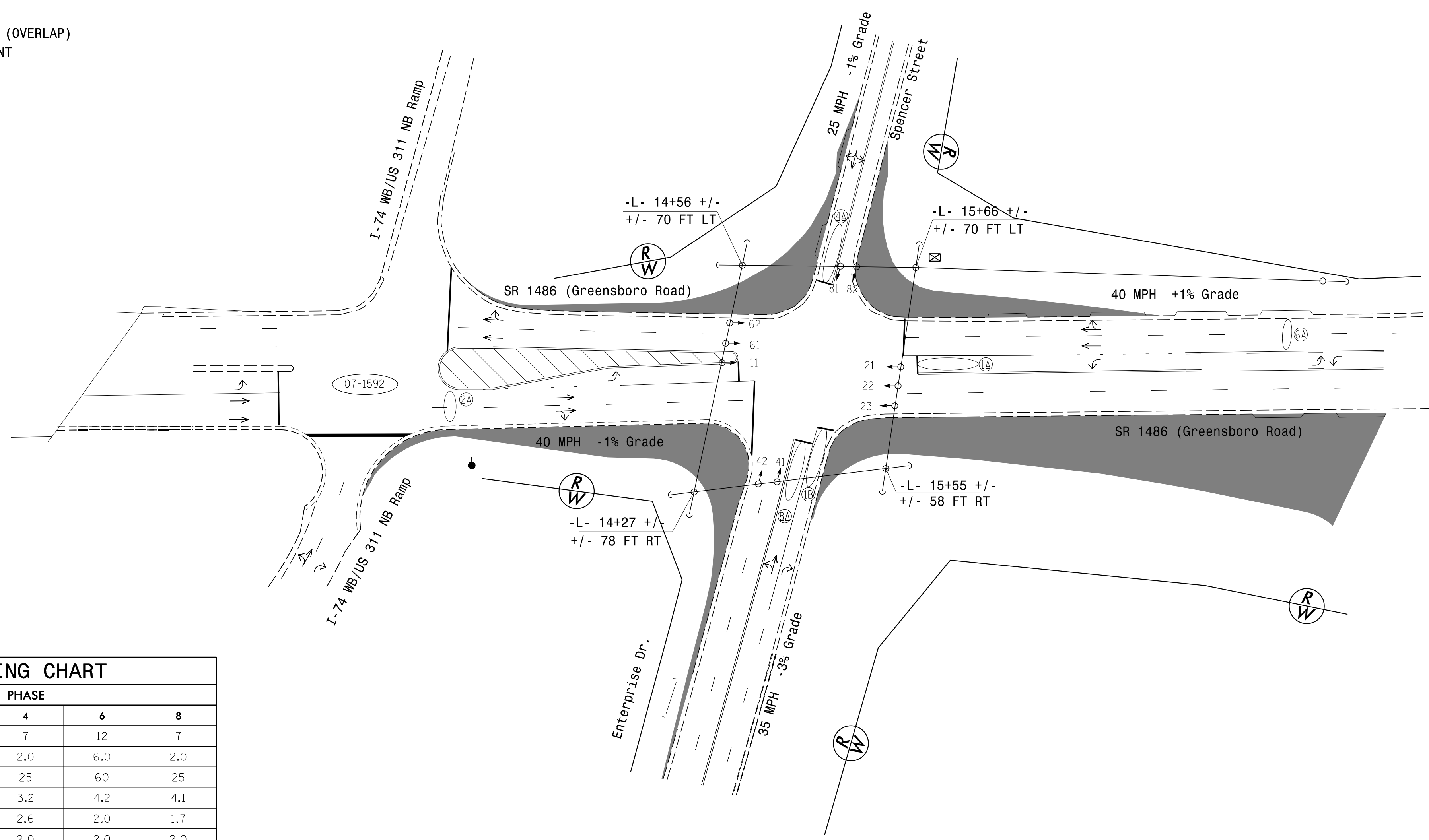
**PHASING DIAGRAM DETECTION LEGEND**



**3 Phase Fully Actuated (High Point Signal System)**

**NOTES**

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 may be lagged.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Pavement markings are existing.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



FEATURE	PHASE				
	1	2	4	6	8
Min Green 1 *	7	12	7	12	7
Extension 1 *	2.0	6.0	2.0	6.0	2.0
Max Green 1 *	20	60	25	60	25
Yellow Clearance	3.0	4.2	3.2	4.2	4.1
Red Clearance	3.1	2.0	2.6	2.0	1.7
Red Revert	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-
Don't Walk 1	-	-	-	-	-
Seconds Per Actuation *	-	1.5	-	1.5	-
Max Variable Initial *	-	24	-	29	-
Time Before Reduction *	-	15	-	15	-
Time To Reduce *	-	30	-	30	-
Minimum Gap	-	3.0	-	3.0	-
Recall Mode **	-	SOFT RECALL	-	SOFT RECALL	-
Vehicle Call Memory	-	YELLOW	-	YELLOW	-
Dual Entry	-	-	ON	-	ON
Simultaneous Gap	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.

PROPOSED		EXISTING	
	Traffic Signal Head		Traffic Signal Head
	Modified Signal Head		N/A
	Sign		N/A
	Pedestrian Signal Head		Pedestrian Signal Head
	Signal Pole with Push Button & Sign		Signal Pole 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
	Right of Way		Right of Way
	Directional Arrow		Directional Arrow
	Guardrail		Guardrail
	Microwave Detection Zone		Microwave Detection Zone
	Construction Area		Construction Area

**Signal Upgrade- Temporary Design**

**M M**  
**MOTT MACDONALD**  
 Prepared for the Offices of:  
 Transportation Mobility and Safety Division  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 Signal Design Section  
 750 N. Greenfield Pkwy, Garner, NC 27529  
 PO Box 700 Fuquay-Varina, NC 27526  
 www.mottmac.com License No. F-0669

SCALE  
 0 50  
 1"=50'

**SR 1486 (Greensboro Road) at Enterprise Dr./Spencer Street**  
 Division 7 Guilford County High Point  
 PLAN DATE: February 2018 REVIEWED BY: T. Pate  
 PREPARED BY: B. Lehan REVIEWED BY: R. Thompson

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 BRENDAN A. LEHAN  
 045256  
 BRENDAN A. LEHAN  
 3/20/2018  
 DATE  
 SIG. INVENTORY NO. 07-1272T

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