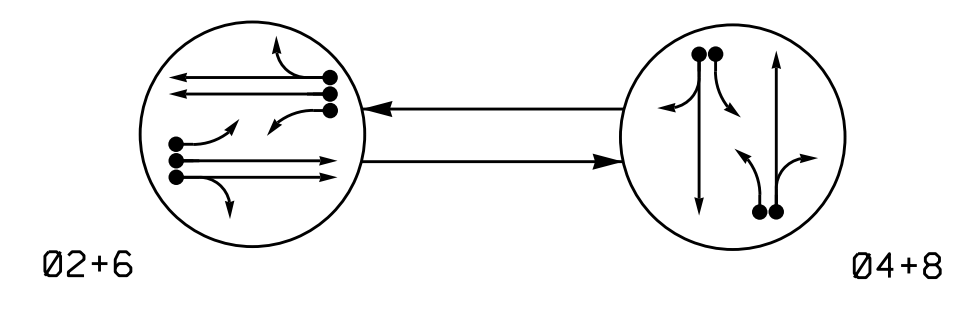


2 Phase Fully Actuated (High Point Signal System)

PHASING DIAGRAM



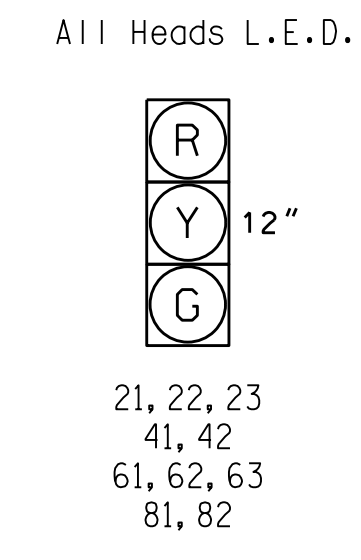
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø2+6	Ø4+8	FLASH
21, 22, 23	G	R	Y
41, 42	R	G	R
61, 62, 63	G	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.

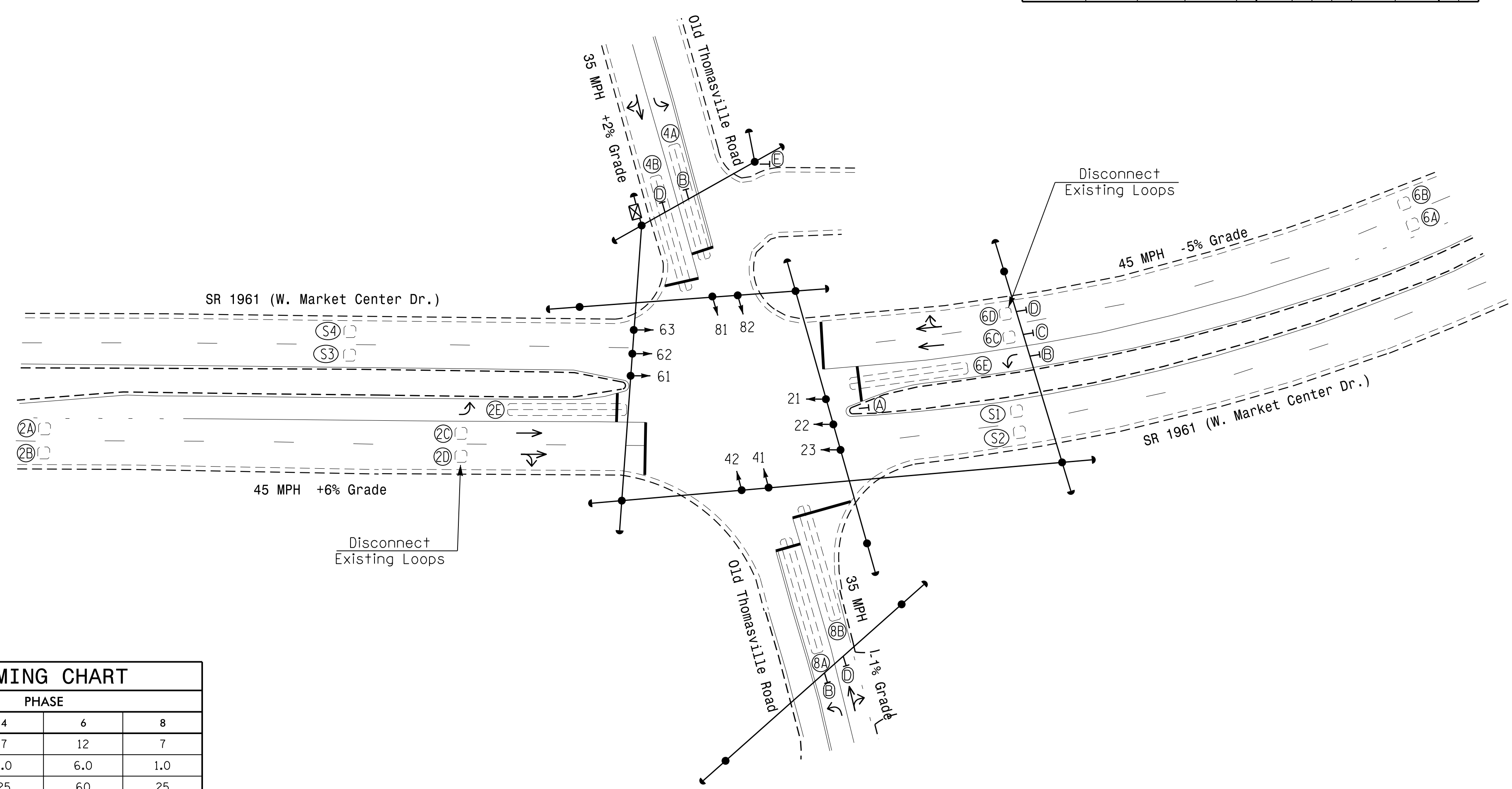


OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING					SYSTEM LOOP NEW CARD			
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME				
2A, 2B	6X6	300	EXIST	-	2	Y	Y	-	-	-	Y	
2C, 2D	6X6	90	EXIST	-	DISCONNECT							-
2E	6X60	+5	-	2	Y	Y	Y	-	3	-	Y	
4A	6X60	+5	2-4-2	-	4	Y	Y	-	3	-	Y	
4B	6X60	+5	2-4-2	-	4	Y	Y	-	10	-	Y	
6A, 6B	6X6	300	EXIST	-	6	Y	Y	-	-	-	Y	
6C, 6D	6X6	90	EXIST	-	DISCONNECT							-
6E	6X60	+5	2-4-2	-	6	Y	Y	Y	-	3	-	
8A	6X60	+5	2-4-2	-	8	Y	Y	-	3	-	Y	
8B	6X60	+5	2-4-2	-	8	Y	Y	-	10	-	Y	
S1	6X6	+185	EXIST	-	-	-	-	-	-	-	Y	
S2	6X6	+185	EXIST	-	-	-	-	-	-	-	Y	
S3	6X6	+235	EXIST	-	-	-	-	-	-	-	Y	
S4	6X6	+235	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.
- 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.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Existing lane control signs may be removed at the direction of the Engineer.



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	12	7	12	7
Extension 1 *	6.0	1.0	6.0	1.0
Max Green 1 *	60	25	60	25
Yellow Clearance	4.1	3.7	5.0	3.9
Red Clearance	1.7	2.6	1.1	2.4
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	1.5	-	1.5	-
Max Variable Initial *	34	-	34	-
Time Before Reduction *	15	-	15	-
Time To Reduce *	30	-	30	-
Minimum Gap	3.0	-	3.0	-
Recall Mode	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	YELLOW	-	YELLOW	-
Dual Entry	-	ON	-	ON
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.

LEGEND

PROPOSED	EXISTING
	N/A

Signal Upgrade

SR 1961 (W. Market Center Dr.)
at
Old Thomasville Road

Division 7 Guilford County High Point

PLAN DATE: July 2014 REVIEWED BY:

PREPARED BY: Jeff Spence REVIEWED BY:

REVISIONS: _____ INIT. DATE

SCALE: 0 40
1" = 40'

SEAL

ROBERT J. ZIERBA
ENGINEER
026486

3/17/2015

SIG. INVENTORY NO. 07-0944

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