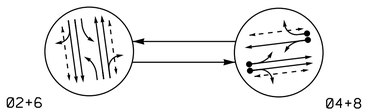
PROJECT REFERENCE NO.	SHEET NO.
C-5558	SIg. 54.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE 02+6	PHASE 04+8	FLASH
21, 22, 23	G	R	Y
41, 42	R	G	R
61, 62, 63	G	R	Y
81, 82	R	G	R
P21, P22	W	DW	DRK
P41, P42	DW	W	DRK
P61, P62	W	DW	DRK
P81, P82	DW	W	DRK

W - Walk
DW - Don't Walk
DRK - Dark

SIGNAL FACE I.D.

All Heads L.E.D.

Louvered Section

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

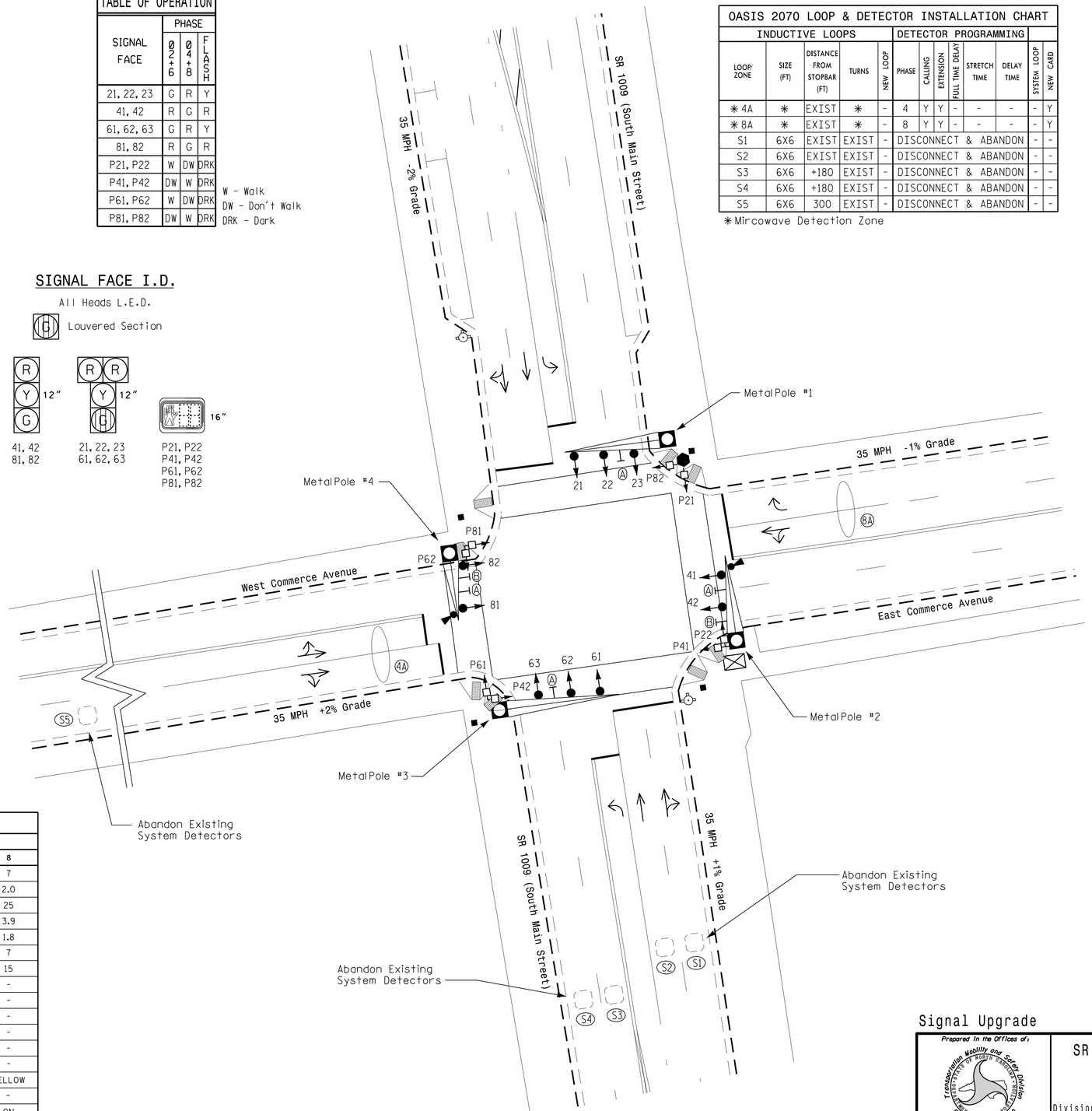
INDUCTIVE LOOPS					DETECTOR PROGRAMMING						
LOOP/ ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
✳ 4A	✳	EXIST	✳	-	4	Y	Y	-	-	-	-	Y
✳ 8A	✳	EXIST	✳	-	8	Y	Y	-	-	-	-	Y
S1	6X6	EXIST	EXIST	-	DISCONNECT & ABANDON						-	-
S2	6X6	EXIST	EXIST	-	DISCONNECT & ABANDON						-	-
S3	6X6	+180	EXIST	-	DISCONNECT & ABANDON						-	-
S4	6X6	+180	EXIST	-	DISCONNECT & ABANDON						-	-
S5	6X6	300	EXIST	-	DISCONNECT & ABANDON						-	-

✳ Mircowave Detection Zone

2 Phase
Semi-Actuated
(High Point Signal System)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
4. Disconnect and abandon all existing system detectors.
5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls on phase 4 and/or phase 8.
6. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
7. Pavement markings are existing.
8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
	Directional Arrow	
	Metal Pole with Mastarm	
	Type II Signal Pedestal	
	Out of Pavement Detector	
	Out of Pavement Detection Zone	
N/A	Curb Ramp	
N/A	Fire Hydrant	
A	Street Name Sign (D3-1)	A
B	"NO TURN ON RED" Sign (R10-11)	B

OASIS 2070 TIMING CHART

FEATURE	PHASE 2	PHASE 4	PHASE 6	PHASE 8
Min Green 1 *	10	7	10	7
Extension 1 *	0.0	2.0	0.0	2.0
Max Green 1 *	35	25	35	25
Yellow Clearance	3.8	3.7	4.0	3.9
Red Clearance	1.6	1.9	1.4	1.8
Walk 1 *	7	7	7	7
Don't Walk 1	12	15	8	15
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX/PED RECALL	-	MAX/PED 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.

Signal Upgrade

Prepared In the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

SR 1009 (South Main Street)
at
Commerce Avenue

Division 7 Guilford County High Point

PLAN DATE:	May 2015	REVIEWED BY:	R.N. Zinser
PREPARED BY:	Jeff Spence	REVIEWED BY:	

SCALE 0 20 1"=20'

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 026486 ENGINEER ROBERT J. ZIEMBA

DocuSigned by:
5/11/2015
DOCUSIGNED SIGNATURE DATE

SIG. INVENTORY NO. 07-0786

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