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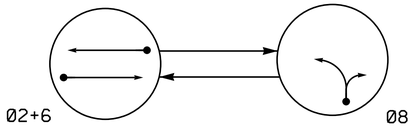
PROJECT REFERENCE NO.	SHEET NO.
R-4707	Sig. 5.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

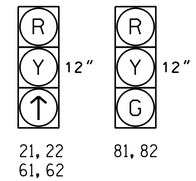
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE 02+6	PHASE 08	FLASH
21, 22	↑	R	Y
61, 62	↑	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

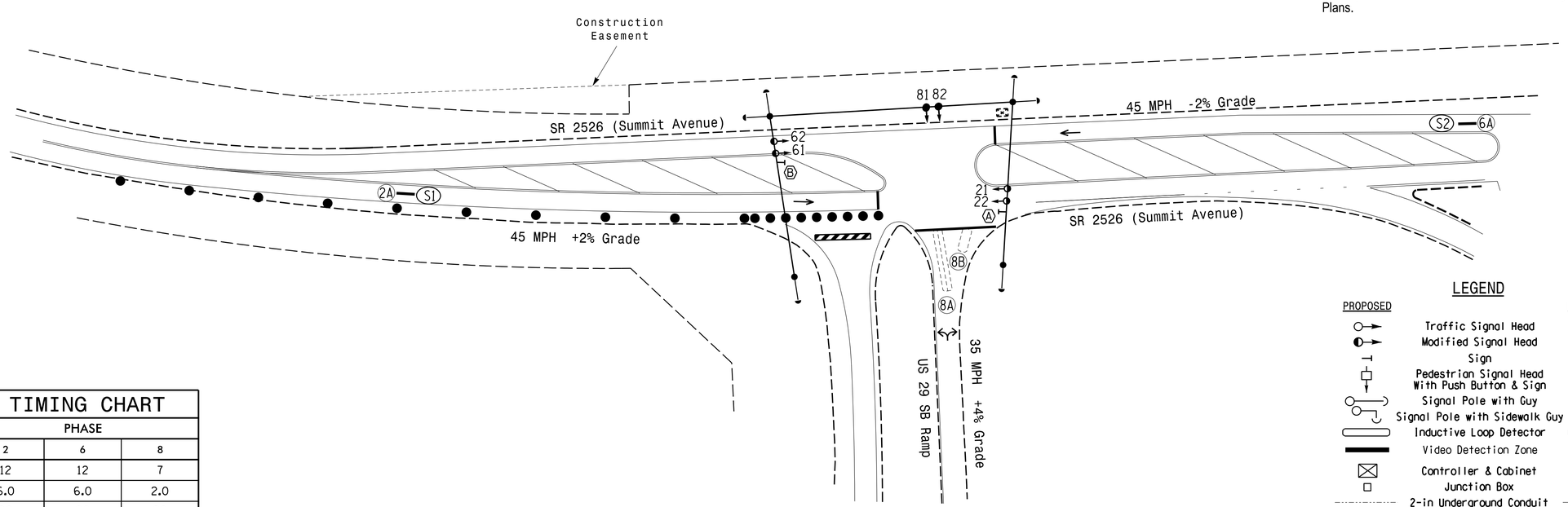
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP/ ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A/S1**	6X6	300	**	**	2	Y	Y	-	-	-	Y	**
6A/S2**	6X6	300	**	**	6	Y	Y	-	-	-	Y	**
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	5	-	-
8B	6X15	0	3	-	8	Y	Y	-	-	15	-	-

** Video Detection

2 Phase
Fully Actuated
SR 2526 (Summit Avenue) CLS

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. Reposition existing signal heads 61 and 62.
4. Set all detector units to presence mode.
5. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
6. Closed loop system data:
   Master Asset #: 10724,
   Controller Asset #: 1498.
7. A video imaging loop emulator detection system is used to provide traffic detection during this temporary phase. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on Signal Design Plans.



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	
	Video Detection Zone	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
	Directional Arrow	
N/A	Curb Ramp	
	Barrier	
	Construction Barrel	N/A
A	No Right Turn Sign (R3-1)	A
B	No U-Turn /No Left Turn Sign (R3-18)	B

OASIS 2070 TIMING CHART

FEATURE	PHASE 2	PHASE 6	PHASE 8
Min Green 1 *	12	12	7
Extension 1 *	6.0	6.0	2.0
Max Green 1 *	90	90	20
Yellow Clearance	4.3	4.7	3.0
Red Clearance	1.0	1.0	2.6
Red Revert	2.0	2.0	2.0
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	2.5	2.5	-
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	-	-	-
Simultaneous Gap	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
Temporary Design 2 (TMP Phase II - Step 8)

Project #: 180914

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Prepared for: Transportation Mobility and Safety Division, Signal Design Section, NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N.Greenfield Pkwy,Garner,NC 27529

SCALE 0 40 1"=40'

SR 2526 (Summit Avenue)
at
US 29 Southbound Ramps

Division 7 Guilford County Greensboro

PLAN DATE:	April 2020	REVIEWED BY:	T S Warren
PREPARED BY:	K. Dean	REVIEWED BY:	L Boyer

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 030912 ENGINEER LORI M. BOYER

Docusigned by: Lori M. Boyer
1FC96D50A912463...
04/20/2020
SIGNATURE DATE

SIG. INVENTORY NO. 07-1498T2