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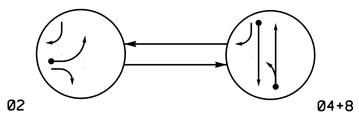
PROJECT REFERENCE NO.	SHEET NO.
R-4707	Sig.6.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

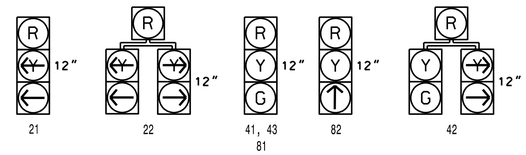
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE 02	PHASE 04+8	FLASH
21	—	R	R
22	/	R	R
41,43	R	G	R
42	R /	G	R
81	R	G	R
82	R	↑	R

SIGNAL FACE I.D.

All Heads L.E.D.



ASC/3 DETECTOR INSTALLATION CHART

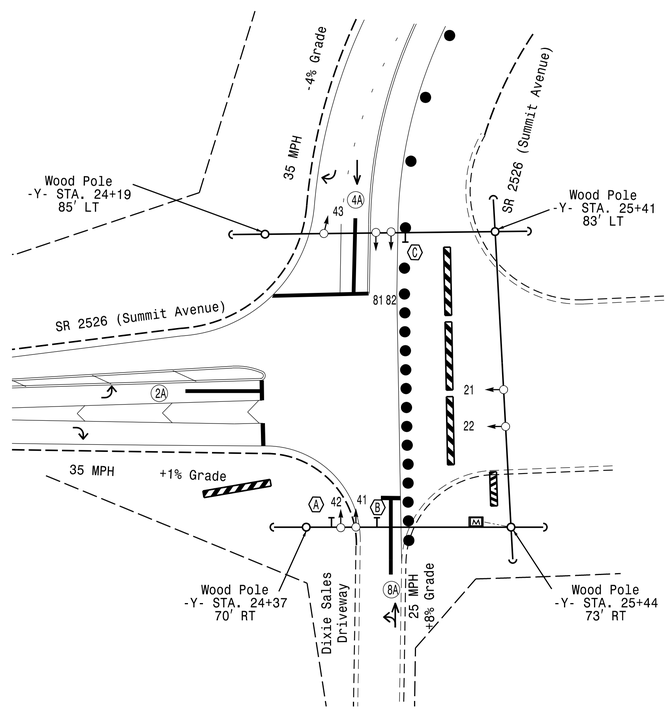
DETECTOR					PROGRAMMING						
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
2A**	6X40	0	*.*	*.*	2	Yes	-	-	S	-	*.*
4A**	6X40	0	*.*	*.*	4	Yes	-	3	S	-	*.*
8A**	6X40	0	*.*	*.*	8	Yes	-	-	S	-	*.*

** Video Detection

2 Phase
Fully Actuated
SR 4771 (Reedy Fork Parkway) CLS
Signal System: 10727

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. Set all detector units to presence mode.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. 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 the Signal Design Plans.
6. Maximum times shown in tming chart are for free-run operation only. Coordinated signal system timing values supersede these values.
7. Program controller to startup in phase 4 + 8 All Red.
8. Closed loop system data:
   Master Asset #: 10727
   Controller Asset #: 0903



LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Metal Pole with Mastarm	
	Video Detection Area	
M	Master Controller & Cabinet	M
	Junction Box	
	Oversized Junction Box	
	2-in Underground Conduit	
DD	Directional Drill	N/A
N/A	Right of Way	
	Directional Arrow	
A	Right Arrow "ONLY" Sign (R3-5R)	A
B	No Left Turn Sign (R3-2)	B
C	No Right Turn Sign (R3-1)	C

ASC/3 TIMING CHART

FEATURE	PHASE 2	PHASE 4	PHASE 8
Min Green *	10	7	7
Walk *	0	0	0
Ped Clear	0	0	0
Veh. Extension *	2.0	2.0	2.0
Max 1 *	60	30	30
Yellow	3.0	4.1	3.0
Red Clear	2.6	1.7	3.2
Actuations B4 Add *	-	-	-
Seconds /Actuation *	-	-	-
Max Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Locking Detector	-	-	-
Recall Position	VEH. RECALL	-	-
Dual Entry	-	X	X
Simultaneous Gap	X	X	X

* These values may be field adjusted. Do not adjust Min Green and Extension time for phase 2 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

New Installation
Temporary Design 1 (TMP Phase II - Step 8)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

SR 4771 (Reedy Fork Parkway)
at
SR 2526 (Summit Avenue)/
Dixie Sales Driveway

Division 7 Guilford County Greensboro

PLAN DATE:	April 2020	REVIEWED BY:	L Boyer
PREPARED BY:	A. Hayes	REVIEWED BY:	

SCALE 0 40 1"=40'

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 030912 ENGINEER LORI M. BOYER

DocuSigned by: Lori M. Boyer
1F73BFD92A973AB...
SIGNATURE 04/20/2020 DATE

SIG. INVENTORY NO. 07-0903TI