PHASING DIAGRAM

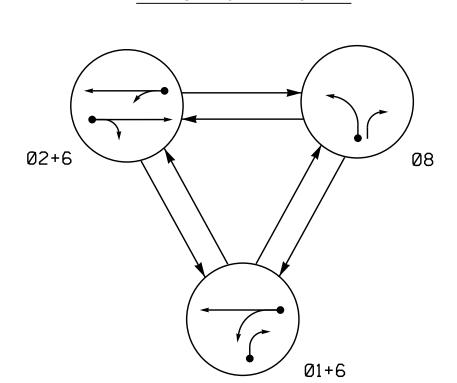


TABLE OF OPERATION				
	PHASE			
SIGNAL FACE	Ø 1 + 6	0 + C	08	FLAOT
21, 22	R	G	R	Υ
81	R	R	G	R
82		R	G	R
61	91	G	R	Y
62	G	G	R	Y

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART INDUCTIVE LOOPS DETECTOR PROGRAMMING DISTANCE SIZE FROM (FT) STOPBAR 6X15 | 50 | EXIST 6X40 5 2-4-2 6X6 300 EXIST 2A 2 | Y | Y | -6X6 90 EXIST DISCONNECT 6X6 300 EXIST 6A 6 | Y | Y | - | 6X6 90 EXIST DISCONNECT 6X40 0 2-4-2 8 | Y | Y | - |

SIGNAL FACE I.D.

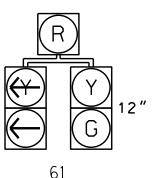
All Heads L.E.D.

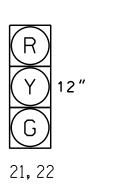
PHASING DIAGRAM DETECTION LEGEND

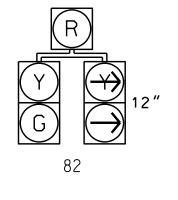
DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT

← − − > PEDESTRIAN MOVEMENT







- Disconnect Existing Loop -35 MPH -3% Grade SR 1577 (Archdale Road) (45 MPH Design Speed) ______SR 1577 (Archdale Road) 35 MPH -1% Grade (45 MPH Design Speed)

OASIS	2070	TIMING	G CHART	Γ	
	PHASE				
FEATURE	1	2	6	8	
Min Green 1 *	7	12	12	7	
Extension 1 *	3.0	6.0	6.0	2.0	
Max Green 1 *	15	75	75	25	
Yellow Clearance	3.0	4.6	4.8	3.0	
Red Clearance	1.8	1.0	1.0	1.6	
Red Revert	2.0	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 **	-	SOFT RECALL	SOFT 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

Fully Actuated (High Point Signal System)

NOTES

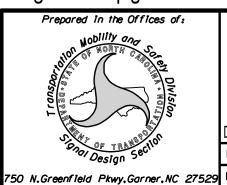
3 Phase

- 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. Phase 1 may be lagged.
- 4. Disconnect existing loops 2B and 6B.
- 5. Set all detector units to presence mode.
- 6. 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.
- 7. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 8. Pavement markings are existing.
- 9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND

	LEGEND	
<u>PROPOSED</u>		<u>EXISTING</u>
\bigcirc	Traffic Signal Head	
O ->	Modified Signal Head	N/A
\dashv	Sign	\dashv
	Pedestrian Signal Head With Push Button & Sign	•
\bigcirc	Signal Pole with Guy	
S	signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subset = = = = = = = = = = = = = = = = = = =$
	Controller & Cabinet	K_N
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow

Signal Upgrade



SR 1577 (Archdale Road) SR 1681 (Balfour Drive)

ision is	נמט) וסטו חכ	.וטוו טוו.	T / C)		
TRANSE TION	Division 8 Randolph (County	Ar	chdale	
ign Section	PLAN DATE: April 2014	REVIEWED BY:			
	PREPARED BY: K.G. Peedin, Jr.	REVIEWED BY:			
SCALE	REVISIONS		INIT.	DATE	— D
40					Vi

SEAL

be lower than 4 seconds. ** May be changed to Min Recall by Time of Day at discretion of City Traffic Engineer.