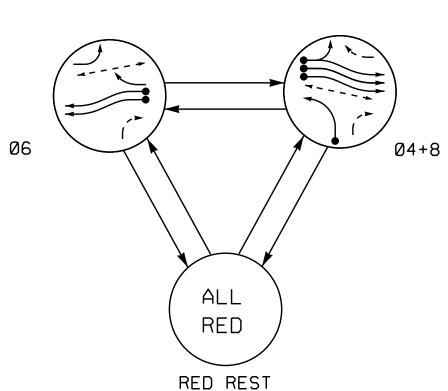


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNSIGNALIZED MOVEMENT

PEDESTRIAN MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

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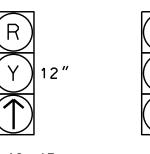
TABLE OF OPERATION						
	PHASE					
SIGNAL FACE	© 6	Ø 4 + 8	спо спон	止し位のエ		
41, 42, 43	R	1	R	R		
44	R	1	R	R		
61, 62	†	R	R	R		
63	1	R	R	R		
81, 82, 83	R	X	R	R		
P41, P42	DW	W	DW	DRK		
P61, P62	W	DW	DW	DRK		

DW - Don't Walk DRK – Dark

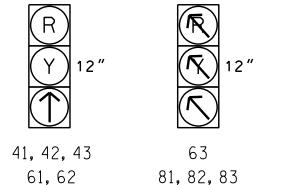
Metal Pole #7

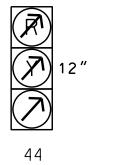
45 MPH (Design Speed 30 MPH) -2% Grade

SIGNAL FACE I.D. All Heads L.E.D.



Metal Pole #8







OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
INDUCTIVE LOOPS					DET	ECT	OR	PI	ROGRAN	MMING		
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
4A	6X40	0	2-4-2	-	4	Υ	Υ	-	-	-	-	ı
4B	6X40	0	2-4-2	-	4	Υ	Υ	-	-	_	-	-
4C	6X40	0	2-4-2	Υ	4	Υ	Υ	-	-	-	-	Υ
6A/S4	6X6	300	5	-	6	-	Υ	-	-	_	Υ	-
6B/S5	6X6	300	5	-	6	-	Υ	-	-	_	Υ	-
6C	6X40	0	2-4-2	-	6	Υ	Υ	-	-	_	-	-
6D	6X40	0	2-4-2	-	6	Υ	Υ	-	-	-	-	-
8.8	6X40	0	2-4-2	-	8	Υ	Υ	ī	ı	-	-	П

2 Phase Fully Actuated (NC 119 CLS)

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. Set all detector units to presence mode.
- 4. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 5. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 6. Pedestrian pedestals are conceptual and shown for reference only. See sheets P1-P3 for pushbutton location details.
- 7. Program all phases for Red Rest.
- 8. Program controller to start up in phase 6 green.
- 9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 10. Closed loop system data: Controller Asset #: 0441.

LEGEND

	ergilar eyerem riming variate
	supersede these values.
60 ←	10. Closed loop system data:
=======================================	Controller Asset #: 0441.
	<u>LEGEND</u>
	<u>PROPOSED</u> <u>EXISTING</u>
>	
	⊢ Sign ⊢
NC 119	Pedestrian Signal Head With Push Button & Sign ✓
79 119	○────────────────────────────────────
	Signal Pole with Sidewalk Guy
	Inductive Loop Detector
	Controller & Cabinet
	☐ Junction Box ■
	2-in Underground Conduit
	N/A Right of Way $$
	\longrightarrow Directional Arrow \longrightarrow
	N/A Guardrail <u> </u>
	— DD — Directional Drill N/A
	N/A Curb Ramp
	_
	Pedestrian Crossing Sign (W11-2)

	PHASE						
FEATURE	4	6	8				
Min Green 1 *	12	12	12				
Extension 1 *	2.0	6.0	2.0				
Max Green 1 *	60	60	60				
Yellow Clearance	3.6	4.4	3.8				
Red Clearance	2.3	3.7	1.0				
Red Revert	2.0	2.0	2.0				
Walk 1 *	4	4					
Don't Walk 1	9	24					
Seconds Per Actuation *	_	_	_				
Max Variable Initial *	-	-	-				
Time Before Reduction *	-	15	-				
Time To Reduce *	-	30	-				
Minimum Gap	-	3.0	-				
Recall Mode	-	-	-				
Vehicle Call Memory	-	-	-				
Dual Entry	ON	-	ON				
Simultaneous Gap	ON	ON	ON				

OASIS 2070 TIMING CHART

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

Signal Upgrade - Final Design

NC 119 I-40 WB/I-85 SB Ramps

Division 7 Alamance County Mebane PLAN DATE: November 2016 REVIEWED BY: 50 N.Greenfleid Pkwy.Garner.NC 27529 PREPARED BY: I. O. UMOZUNIKE REVIEWED BY: REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL

SIGNATURES COMPLETED