

2 Phase Fully Actuated (NC 119 CLS)

PHASING DIAGRAM

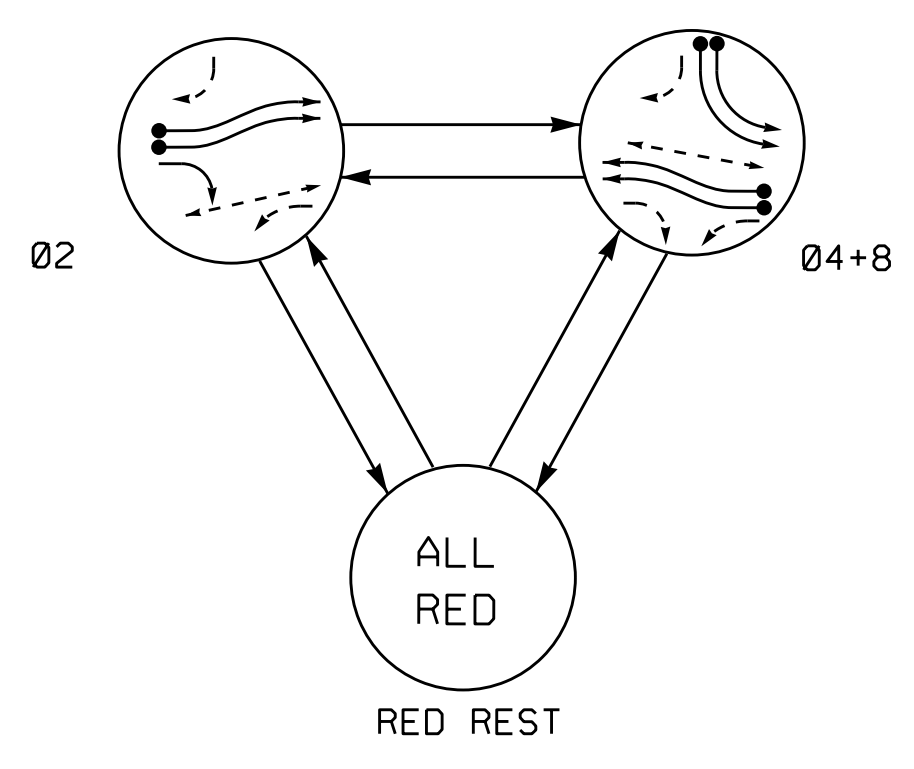
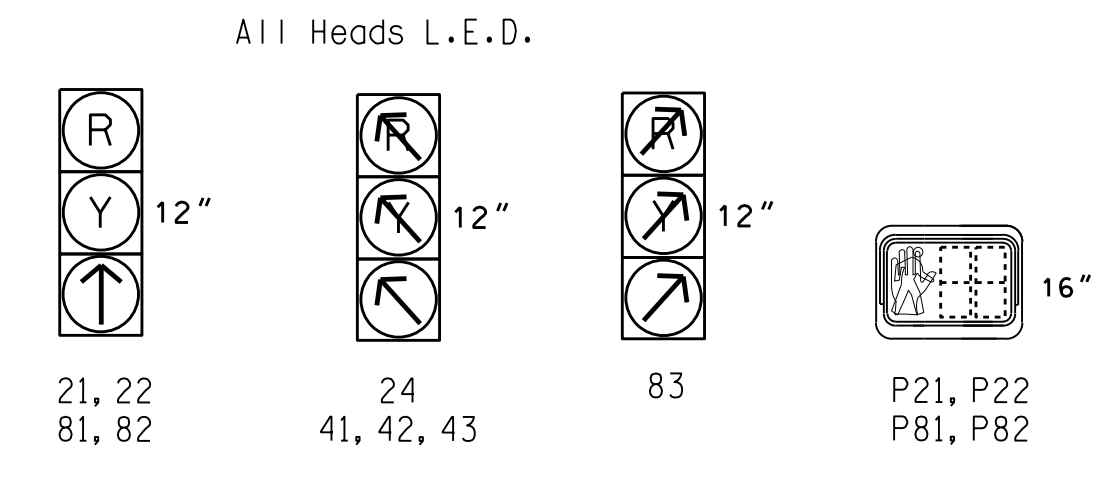


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02	04+8	WALK	DRK
21, 22	↑	R	R	R
24	↘	R	R	R
41, 42, 43	↘	↘	↘	↘
81, 82	R	↑	R	R
83	↘	↘	↘	↘
P21, P22	W	DW	DW	DRK
P81, P82	DW	W	DW	DRK

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

SIGNAL FACE I.D.



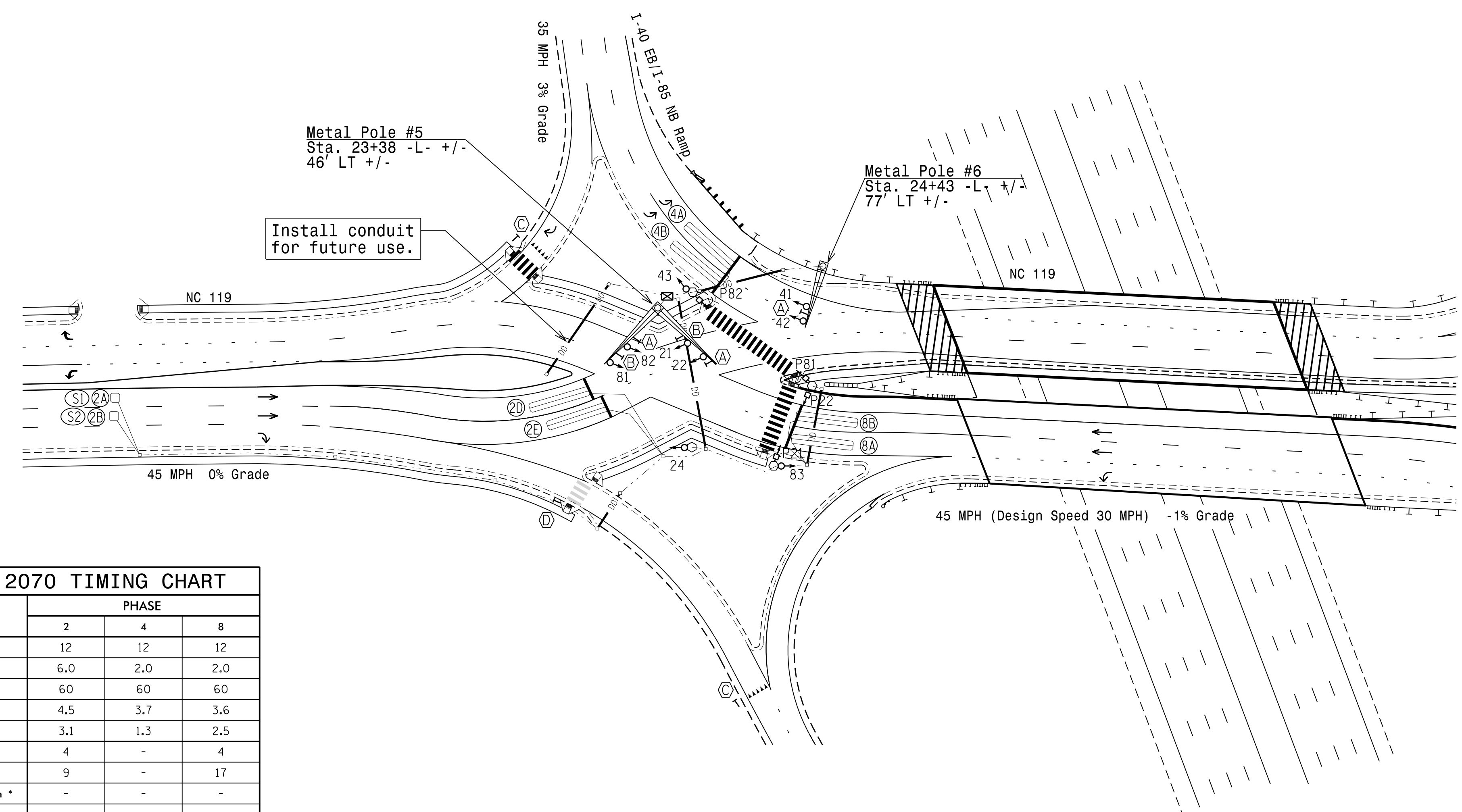
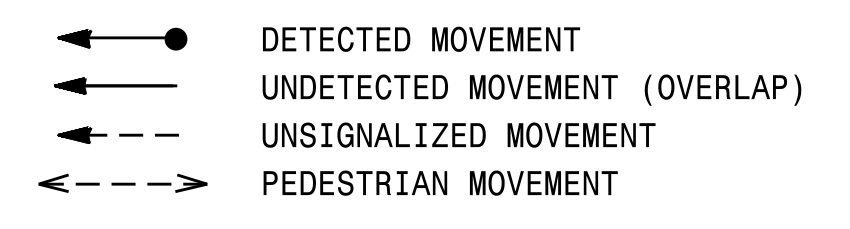
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

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

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Pedestrian pedestals are conceptual and shown for reference only. See sheets P1-P3 for pushbutton location details.
- Program all phases for Red Rest.
- Program controller to start up in phase 2 green.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data: Controller Asset #: 0440.

PHASING DIAGRAM DETECTION LEGEND

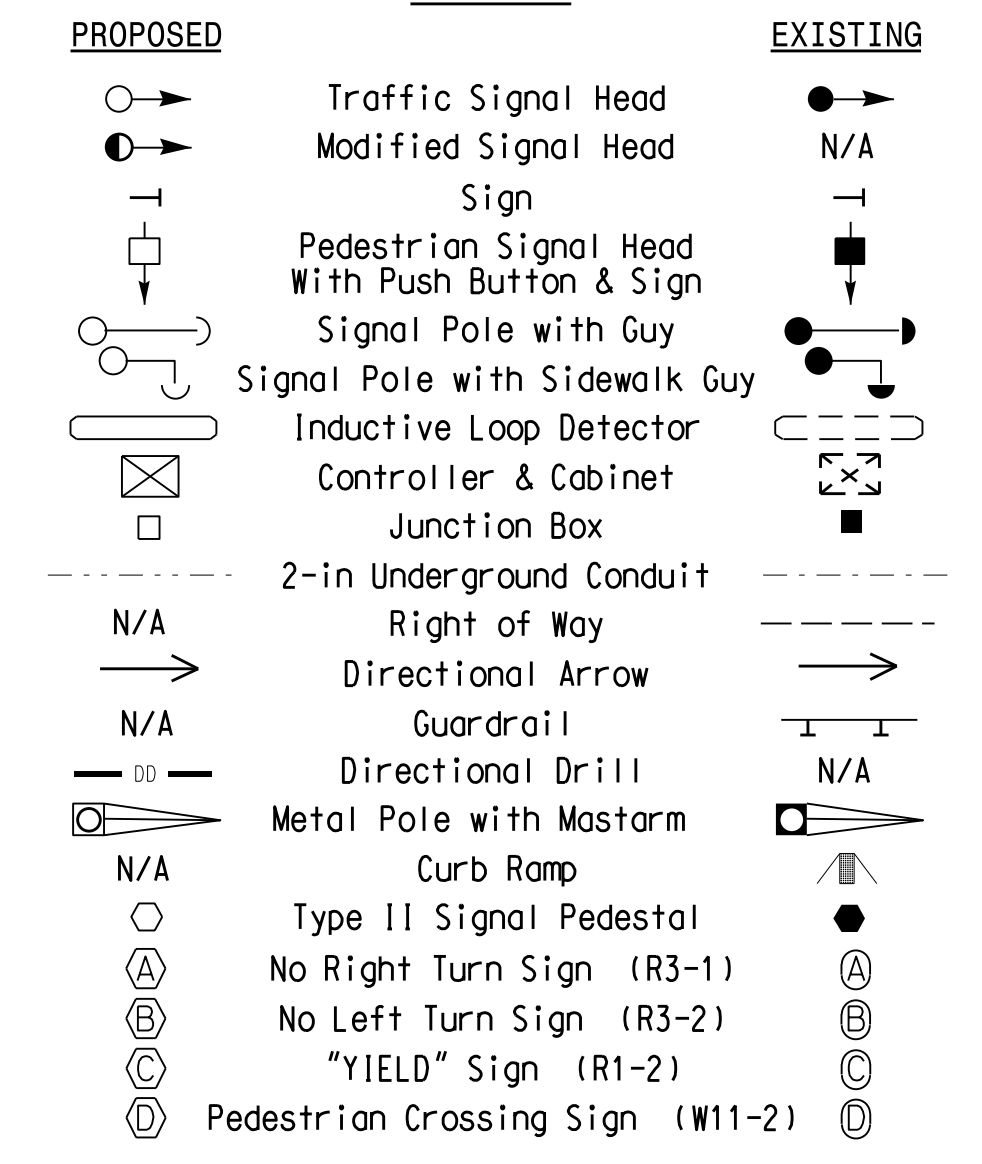


OASIS 2070 TIMING CHART

FEATURE	PHASE		
	2	4	8
Min Green 1 *	12	12	12
Extension 1 *	6.0	2.0	2.0
Max Green 1 *	60	60	60
Yellow Clearance	4.5	3.7	3.6
Red Clearance	3.1	1.3	2.5
Walk 1 *	4	-	4
Don't Walk 1	9	-	17
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
Red Rest	ON	ON	ON

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

LEGEND



Signal Upgrade Temporary Design 3 (TMP Phase IIB)

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE: 1"=50'

NC 119 at I-40 EB/I-85 NB Ramps

Division 7 Alamance County Mebane

PLAN DATE: November 2016 REVIEWED BY:

PREPARED BY: I. O. Umozurike REVIEWED BY:

REVISIONS: INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

ENGINEER ROBERT J. ZIEMBA

DocuSigned by: Robert J. Ziemba

1/25/2017

SIG. INVENTORY NO. 07-0440T3

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