2 Phase Fully Actuated (NC 119 CLS)

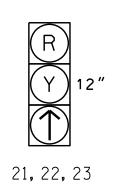
NOTES

- 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 2 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 #: 0440.

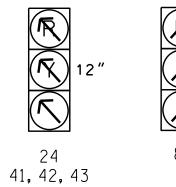
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART DETECTOR PROGRAMMING INDUCTIVE LOOPS SIZE FROM LOOP TURNS STOPBAR 2A/S1 6X6 300 2B/S2 300 6X6 300 5 2C/S3 6X6 2D 6X40 0 2-4-2 2E 6X40 0 2-4-2 2F 6X40 0 2-4-2 4A 6X40 0 2-4-2 6X40 0 2-4-2 8A 6X40 0 | 2-4-2 |

TABLE OF OPERATION PHASE SIGNAL FACE 21, 22, 23 41, 42, 43 81,82 83 P21, P22 P81, P82

W - Walk DW - Don't Walk DRK – Dark

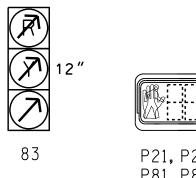


81,82



SIGNAL FACE I.D.

All Heads L.E.D.





6X40

0 2-4-2

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

02

UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT

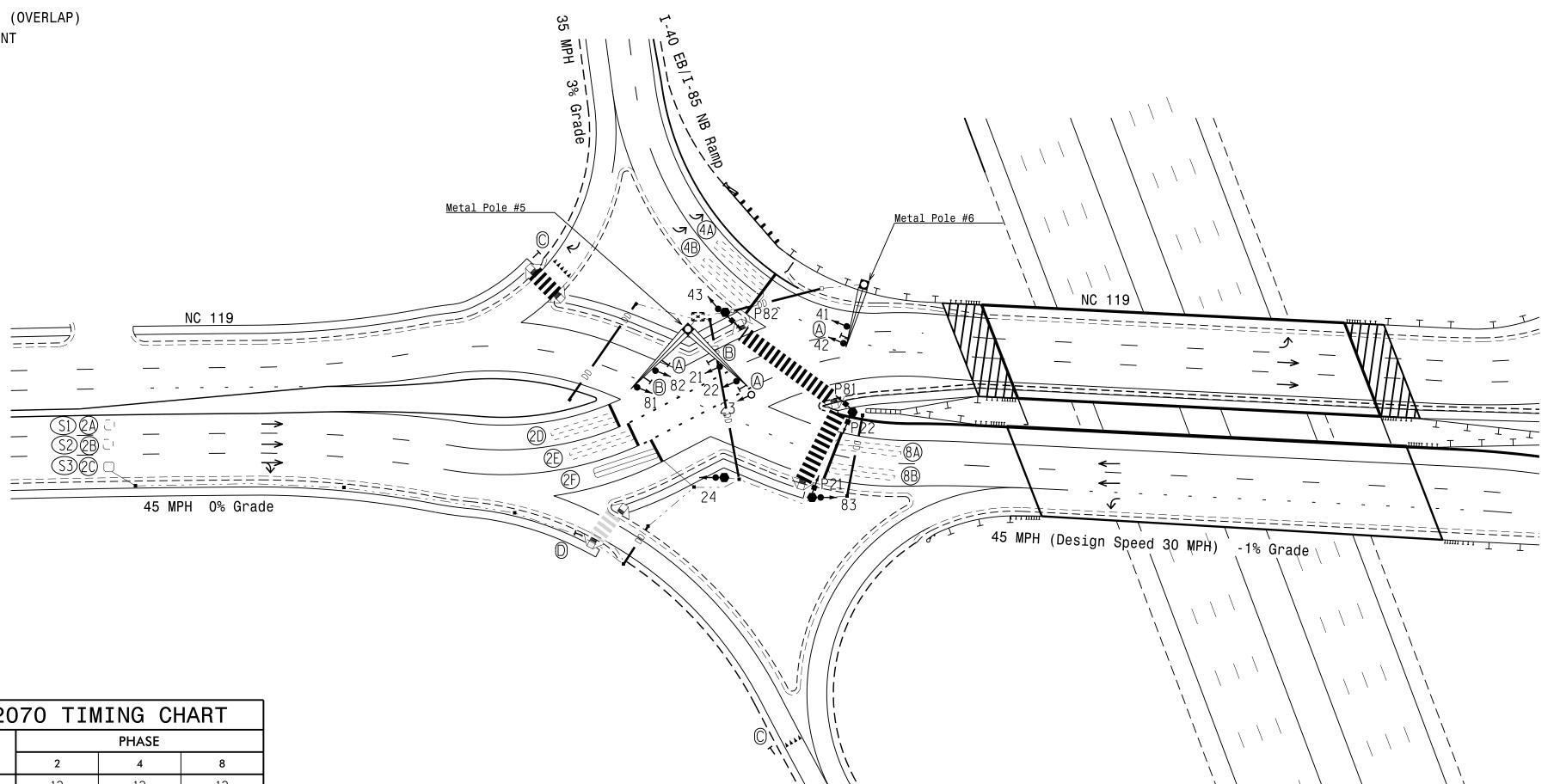
ALL

RED

RED REST

PHASING DIAGRAM

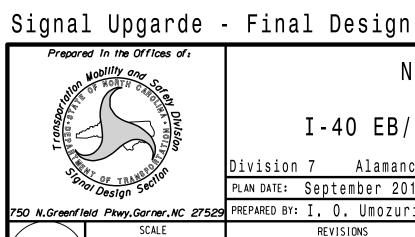
<−−> PEDESTRIAN MOVEMENT



OASIS 2070 TIMING CHART				
	PHASE			
FEATURE	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	3.0	
Walk 1 *	4	-	4	
Don't Walk 1	9	-	15	
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	
Rad Rast	ON	ON	ON	

Extension times for phase 2 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND				
<u>PROPOSE</u>	<u></u>	EXISTING		
\bigcirc	Traffic Signal Head			
O	Modified Signal Head	N/A		
\dashv	Sign	\dashv		
↓	Pedestrian Signal Head With Push Button & Sign	#		
	Signal Pole with Guy			
	Signal Pole with Sidewalk Guy			
	☐ Inductive Loop Detector			
\geq	Controller & Cabinet	ار الح×عا		
	Junction Box			
	2-in Underground Conduit			
N/A	Right of Way			
\longrightarrow	Directional Arrow	\longrightarrow		
N/A	Guardrail	1 1		
N/A	Directional Drill	—— DD ——		
0	Metal Pole with Mastarm			
N/A	Curb Ramp			
\bigcirc	Type II Signal Pedestal			
$\langle A \rangle$	No Right Turn Sign (R3-1)	\triangle		
(A) (B) (C)	No Left Turn Sign (R3-2)	lack		
(C)	"YIELD" Sign (R1-2)	(B) (C)		
	Pedestrian Crossing Sign (W11-			



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

Division 7 Alamance County Mebane PLAN DATE: September 2016 REVIEWED BY: 50 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: I O UMOZUTIKE REVIEWED BY: REVISIONS INIT. DATE

SIGNATURES COMPLETED

DOCUMENT NOT CONSIDERED

FINAL UNLESS ALL