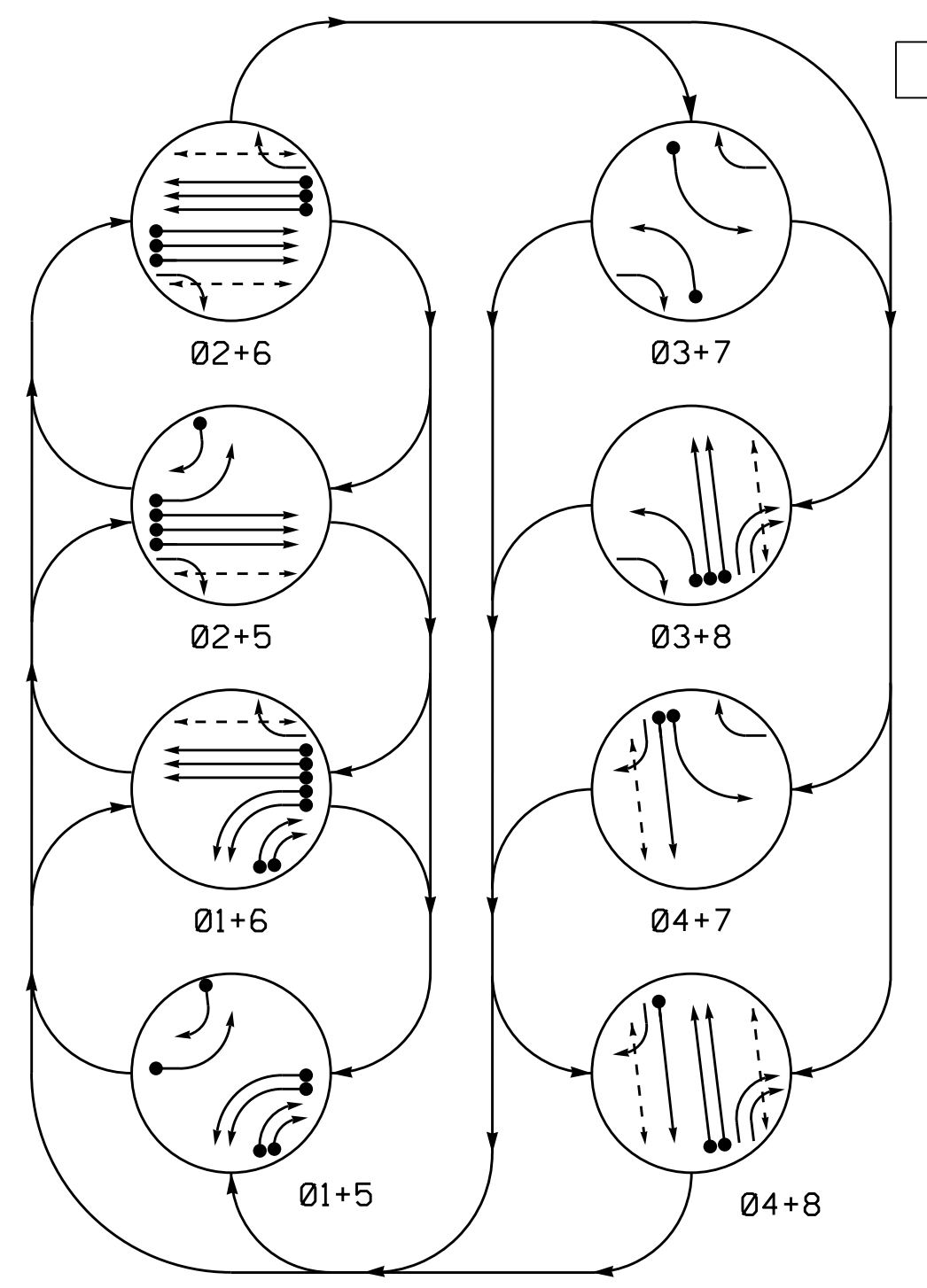


PHASING DIAGRAM



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

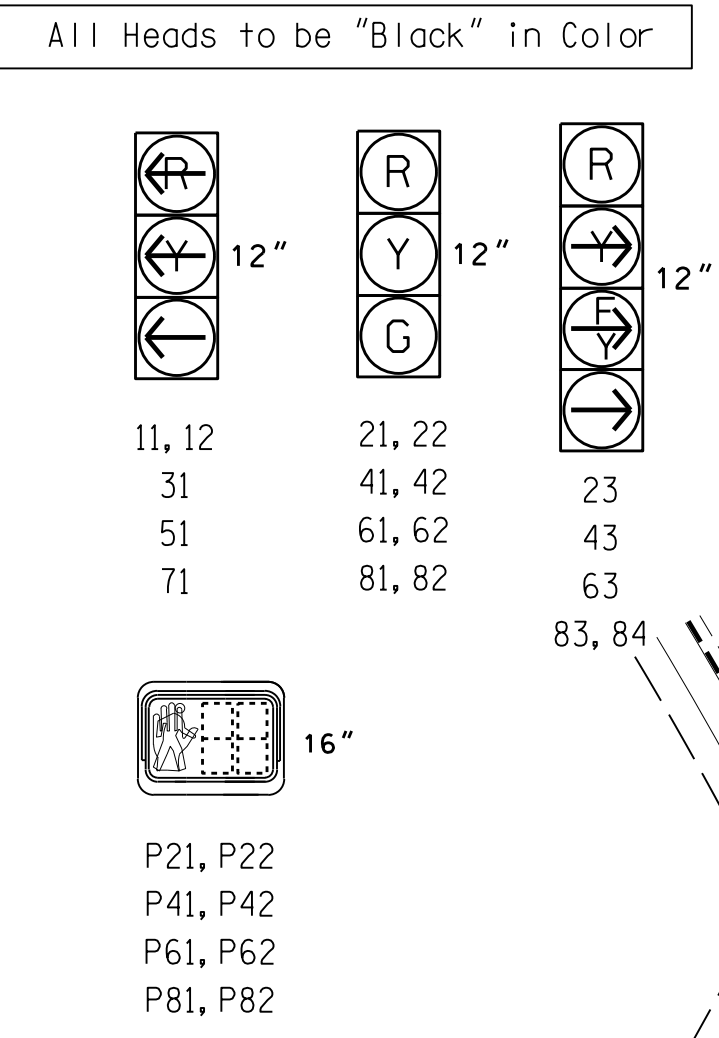


TABLE OF OPERATION

SIGNAL FACE	PHASE							
	Ø 1 + 5	Ø 1 + 6	Ø 2 + 5	Ø 2 + 6	Ø 3 + 7	Ø 3 + 8	Ø 4 + 7	Ø 4 + 8
11,12	---	---	---	---	---	---	---	---
21,22	R	R	G	G	R	R	R	Y
23	R	R	F	F	---	---	---	---
31	---	---	---	---	---	---	---	---
41,42	R	R	R	R	R	R	G	G
43	---	---	---	---	---	---	F	F
51	---	---	---	---	---	---	---	---
61,62	R	G	R	G	R	R	R	Y
63	R	F	F	F	---	---	---	---
71	---	---	---	---	---	---	---	---
81,82	R	R	R	R	G	R	G	R
83,84	---	---	---	---	F	F	F	---
P21,P22	DW	DW	W	W	DW	DW	DW	DRK
P41,P42	DW	DW	DW	DW	DW	W	W	DRK
P61,P62	DW	W	DW	W	DW	DW	DW	DRK
P81,P82	DW	DW	DW	DW	W	DW	W	DRK

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

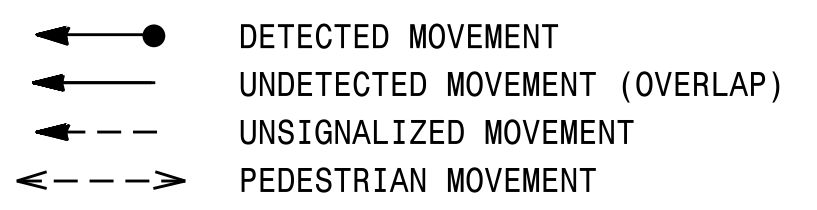
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING								
				NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	-	-	Y
1B	6X40	0	2-4-2	Y	1	Y	Y	-	-	-	-	Y
1C	6X40	0	2-4-2	-	1	Y	Y	-	-	-	15	-
1D	6X40	0	2-4-2	-	1	Y	Y	-	-	-	15	-
2A,2B	6X6	70	5	Y	2	Y	Y	-	-	-	-	-
2C	6X6	70	5	-	2	Y	Y	-	-	-	-	Y
3A	6X40	0	2-4-2	-	3	Y	Y	-	-	-	-	-
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	-	-	-
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	-	-	-
5B	6X40	0	2-4-2	-	5	Y	Y	-	-	-	15	-
6A,6B	6X6	70	3	Y	6	Y	Y	-	-	-	-	-
6C	6X6	70	3	-	6	Y	Y	-	-	-	-	Y
7A	6X40	0	2-4-2	-	7	Y	Y	-	-	-	-	-
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	-	-	-
8B	6X40	0	2-4-2	-	8	Y	Y	-	-	-	-	-

8 Phase Fully Actuated Fayetteville Signal System

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.
- Phase 1 and/or phase 5 may be lagged.
- Phase 3 and/or phase 7 may be lagged.
- Reposition existing signal heads numbered 11,21,22, 51,61 and 62.
- Set all detector units to presence mode.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

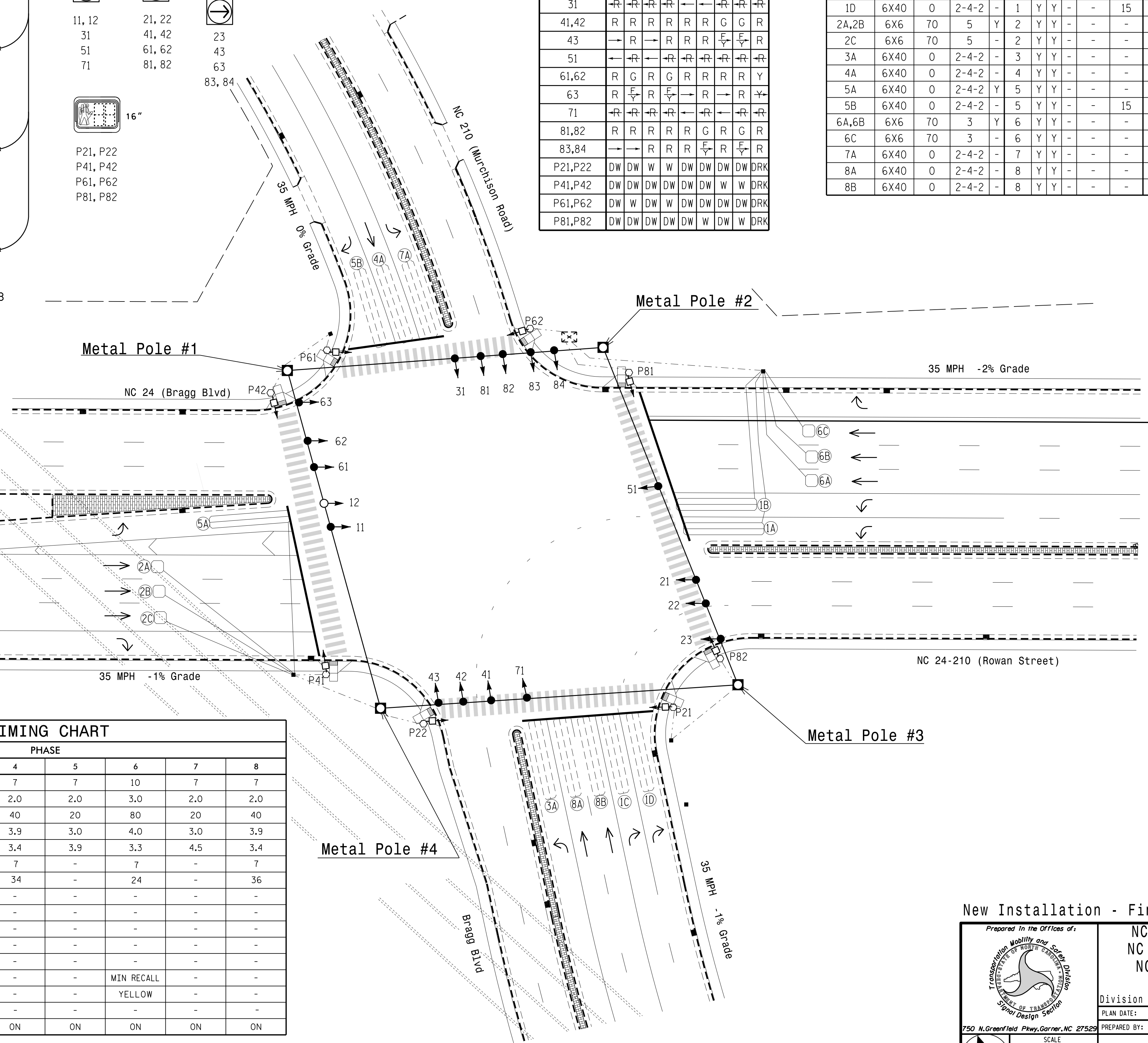
PHASING DIAGRAM DETECTION LEGEND



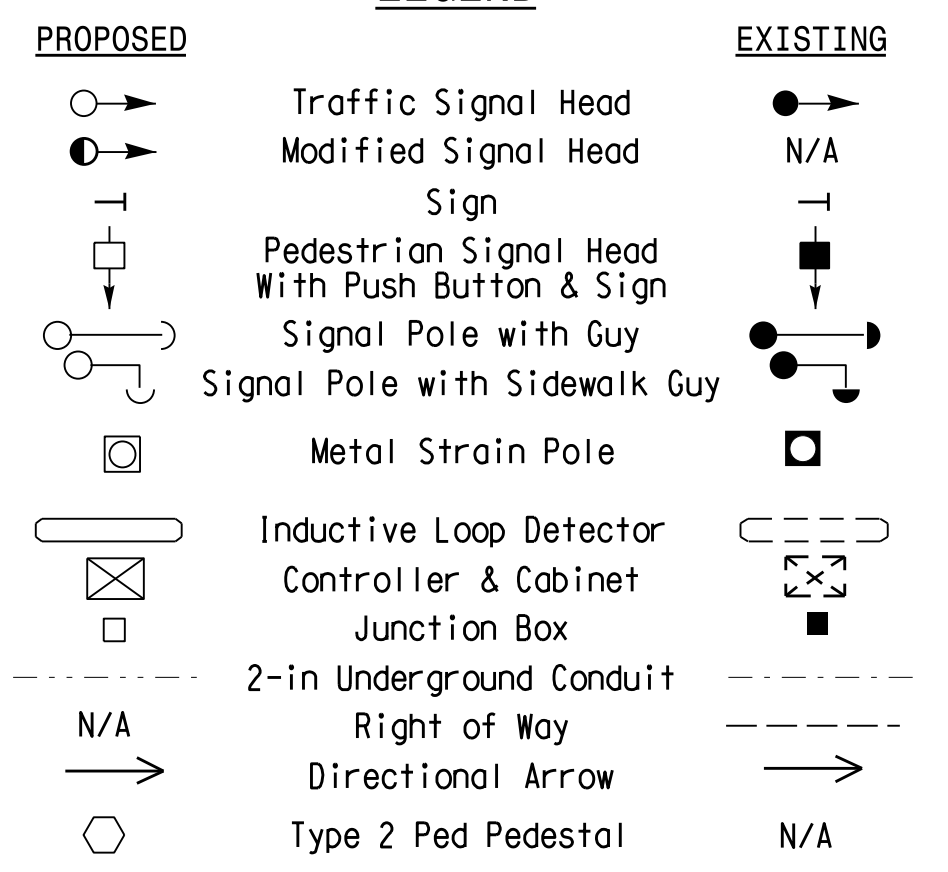
OASIS 2070 TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	10	7	7	7	10	7	7
Extension 1 *	2.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0
Max Green 1 *	20	80	20	40	20	80	20	40
Yellow Clearance	3.0	4.0	3.0	3.9	3.0	4.0	3.0	3.9
Red Clearance	4.0	3.3	4.4	3.4	3.9	3.3	4.5	3.4
Walk 1 *	-	7	-	7	-	7	-	7
Don't Walk 1	-	29	-	34	-	24	-	36
Seconds Per Actuation *	-	-	-	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-	-	-
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW	-	-
Dual Entry	-	-	-	-	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON	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 be lower than 4 seconds.



LEGEND



New Installation - Final

750 N. Greenfield Pkwy, Garner, NC 27529

NC 24-210 (Rowan Street) / NC 24 (Bragg Boulevard) At NC 210 (Murchison Road) / Bragg Boulevard

Division 6 Cumberland County Fayetteville

PLAN DATE: June 2015 PREPARED BY: emm/jpg REVIEWED BY: JPG, PE

REVISIONS: _____ INIT. DATE

SEAL

PROFESIONAL ENGINEER

SEAL 029904

JASON P. GALLOWAY

8/28/15

SIGNATURE DATE

SIG. INVENTORY NO. 06-1336

10-FEB-2016 09:20
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