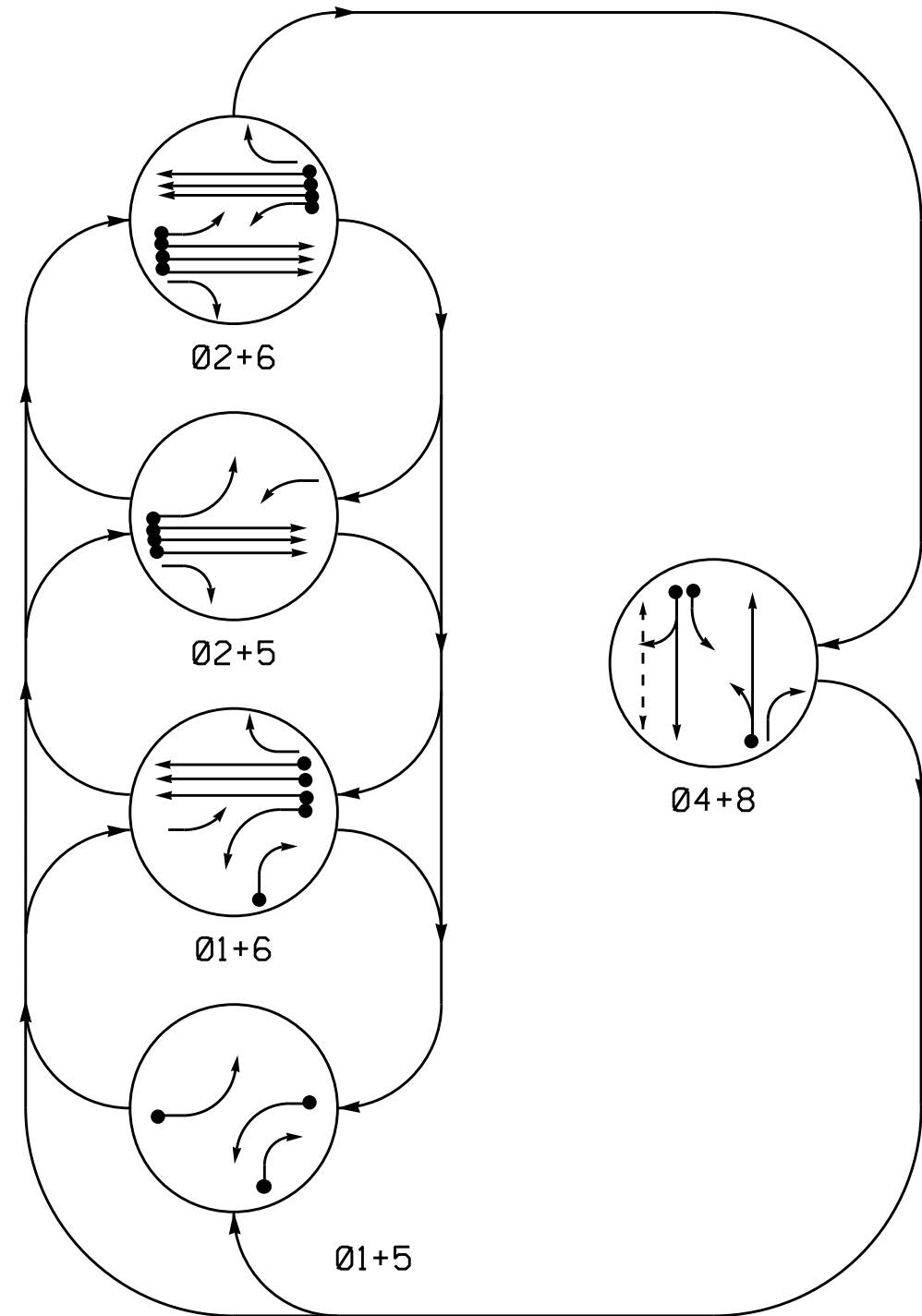
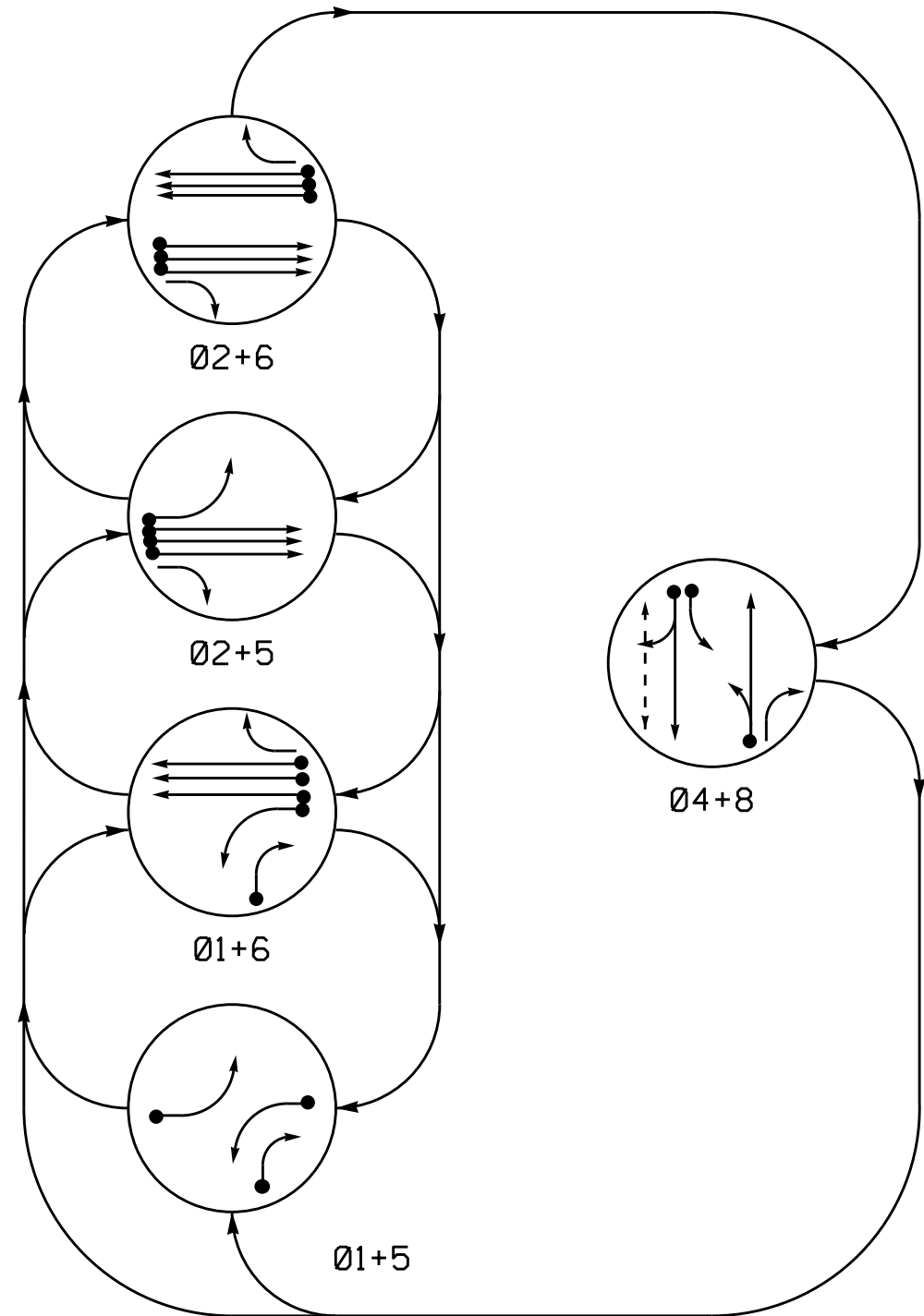


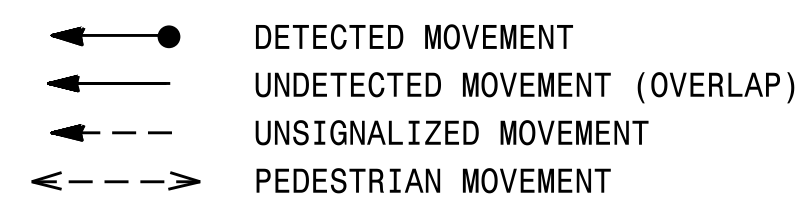
DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND



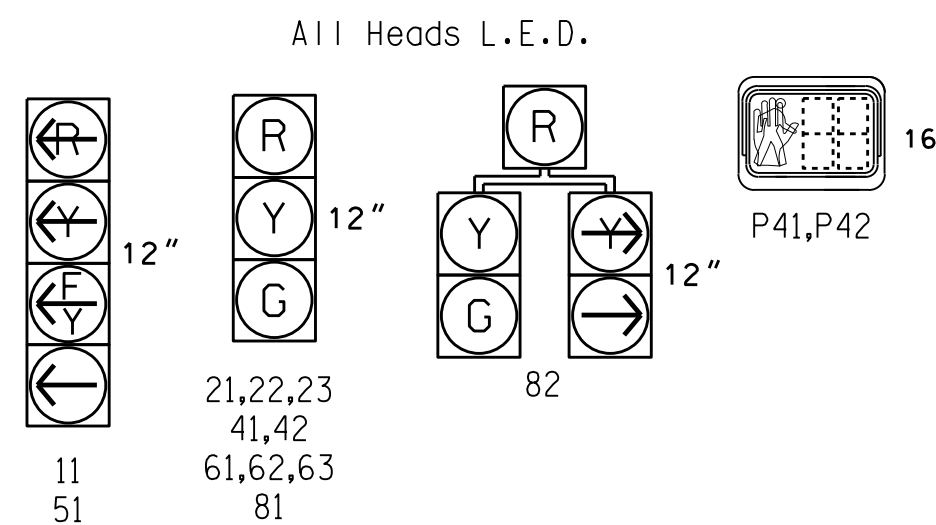
DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	FLASH
11	---	---	---	---	---	---
21, 22, 23	R	R	G	G	R	Y
41, 42	R	R	R	R	G	R
51	---	---	---	---	---	---
61, 62, 63	R	G	R	G	R	Y
81	R	R	R	R	G	R
82	R	R	R	R	G	R
P41, P42	DW	DW	DW	W	DRK	

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	FLASH
11	---	---	---	---	---	---
21, 22, 23	R	R	G	G	R	Y
41, 42	R	R	R	R	G	R
51	---	---	---	---	---	---
61, 62, 63	R	G	R	G	R	Y
81	R	R	R	R	G	R
82	R	R	R	R	G	R
P41, P42	DW	DW	DW	W	DRK	

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

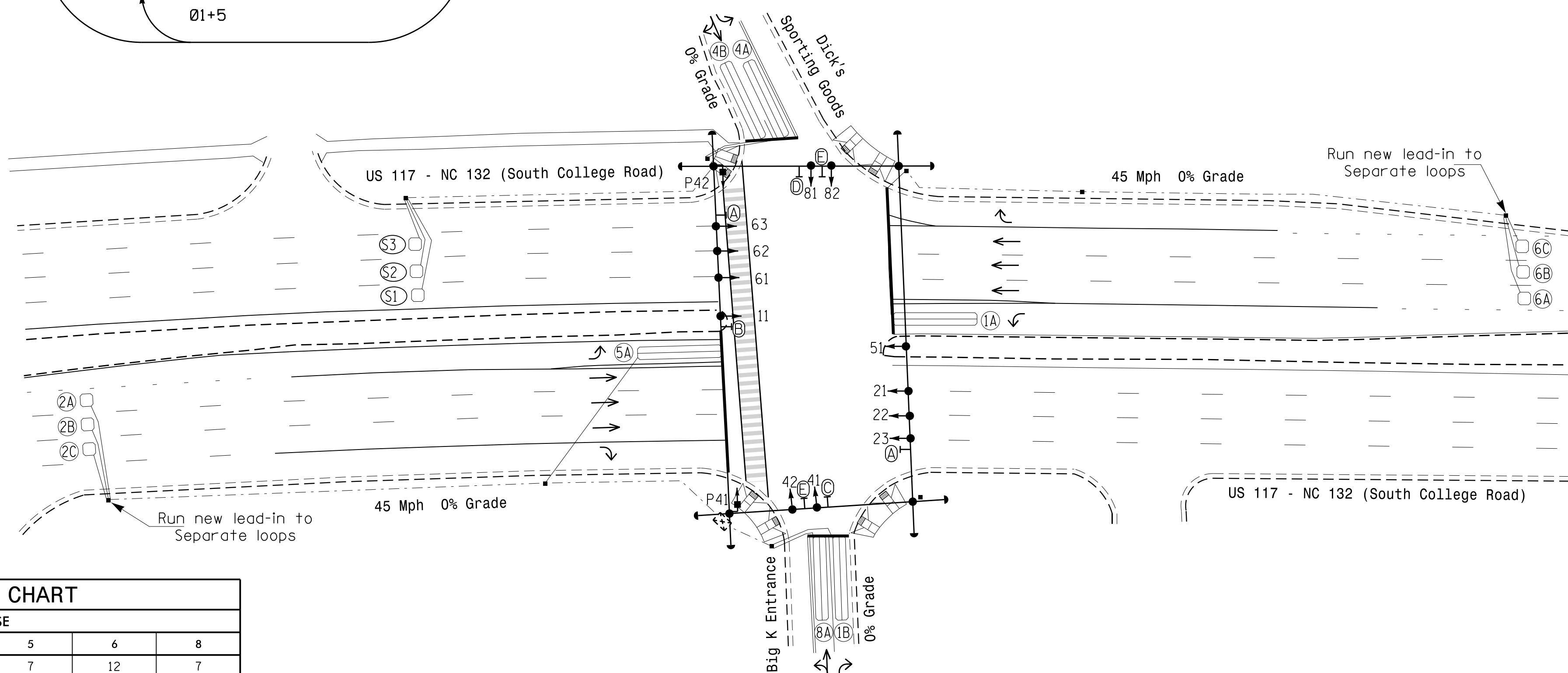
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	FULL TIME DELAY					
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	*10	-	-	-
					*6	Y	Y	Y	-	3	-	-	-
1B	6X40	0	2-4-2	Y	1	Y	Y	-	-	15	-	-	-
2A	6X6	300	4	Y	2	Y	Y	-	-	-	-	-	-
2B	6X6	300	4	Y	2	Y	Y	-	-	-	-	-	-
2C	6X6	300	4	Y	2	Y	Y	-	-	-	-	-	-
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	3	-	-	-
4B	6X40	0	2-4-2	Y	4	Y	Y	-	-	10	-	-	-
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	*10	-	-	-
					*2	Y	Y	Y	-	3	-	-	-
6A	6X6	300	6	Y	6	Y	Y	-	-	-	-	-	-
6B	6X6	300	6	Y	6	Y	Y	-	-	-	-	-	-
6C	6X6	300	6	Y	6	Y	Y	-	-	-	-	-	-
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	3	-	-	-
S1	6X6	+220	5	Y	-	-	-	-	-	-	Y	-	-
S2	6X6	+220	5	Y	-	-	-	-	-	-	Y	-	-
S3	6X6	+220	5	Y	-	-	-	-	-	-	Y	-	-

* Disable Phase 2 or 6 call for loops 1A and 5A during Alternate Phasing Operation.
 ** Disable Delay during Alternate Phasing Operation.

5 Phase Fully Actuated Wilmington 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 logged.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- The Wilmington City Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Signal system data: Controller Asset # 0212.

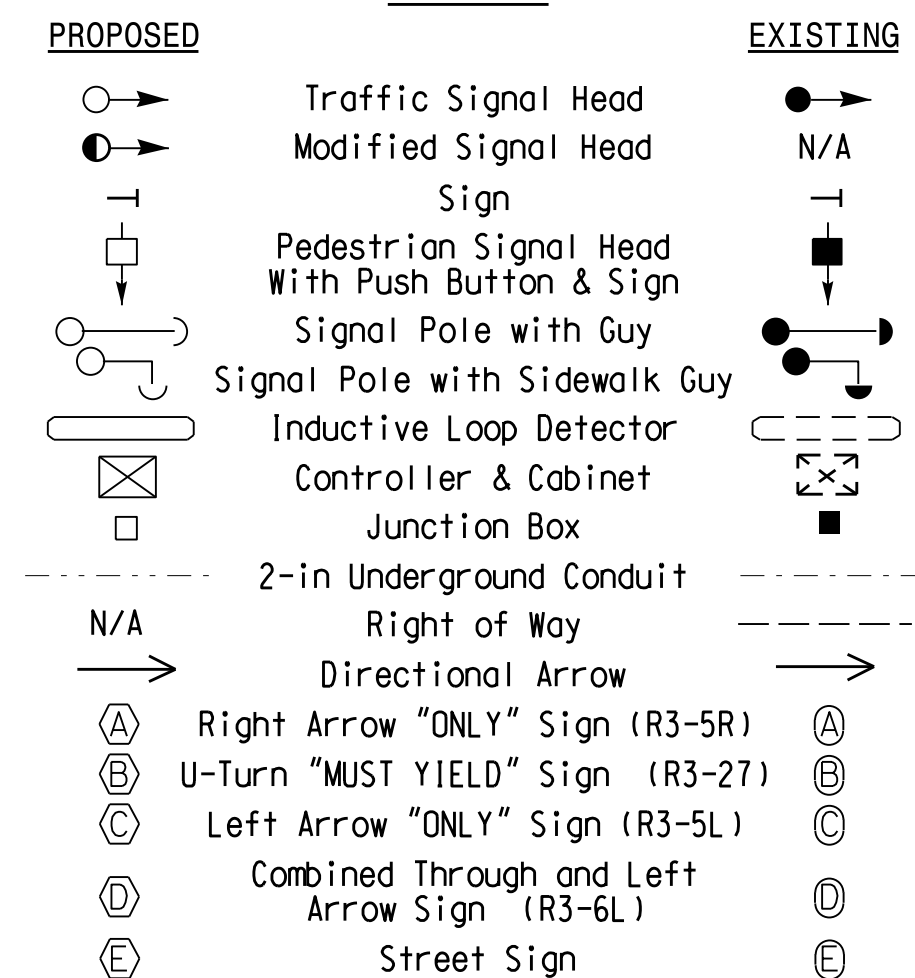


OASIS 2070 TIMING CHART

FEATURE	PHASE					
	1	2	4	5	6	8
Min Green 1 *	7	12	7	7	12	7
Extension 1 *	2.0	6.0	2.0	2.0	6.0	2.0
Max Green 1 *	15	90	20	15	90	20
Yellow Clearance	3.0	4.5	3.2	3.0	4.5	3.2
Red Clearance	3.1	1.7	3.7	3.2	1.7	3.7
Walk 1 *	-	-	7	-	-	-
Don't Walk 1	-	-	40	-	-	-
Seconds Per Actuation *	-	1.2	-	-	1.2	-
Max Variable Initial *	-	34	-	-	34	-
Time Before Reduction *	-	15	-	-	15	-
Time To Reduce *	-	30	-	-	30	-
Minimum Gap	-	3.0	-	-	3.0	-
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-
Dual Entry	-	-	ON	-	-	ON
Simultaneous Gap	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



Signal Upgrade

Prepared in the Offices of:
 TRANSPORTATION MOBILITY AND SAFETY DIVISION
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 Signal Design Section
 750 N. Greenfield Pkwy, Garner, NC 27529

US 117 - NC 132 (S College Rd) at Big K / Dick's Sporting Goods
 Division 3 New Hanover County Wilmington
 PLAN DATE: September 2015 PREPARED BY: Jeff Spence REVIEWED BY: PLA
 REVISIONS: _____ INIT. DATE: _____

SCALE: 0 40
 1" = 40'

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 PAMELA L. ALEXANDER
 023489
 3/30/16
 SIG. INVENTORY NO. 03-0212

04-APR-2016 13:52
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