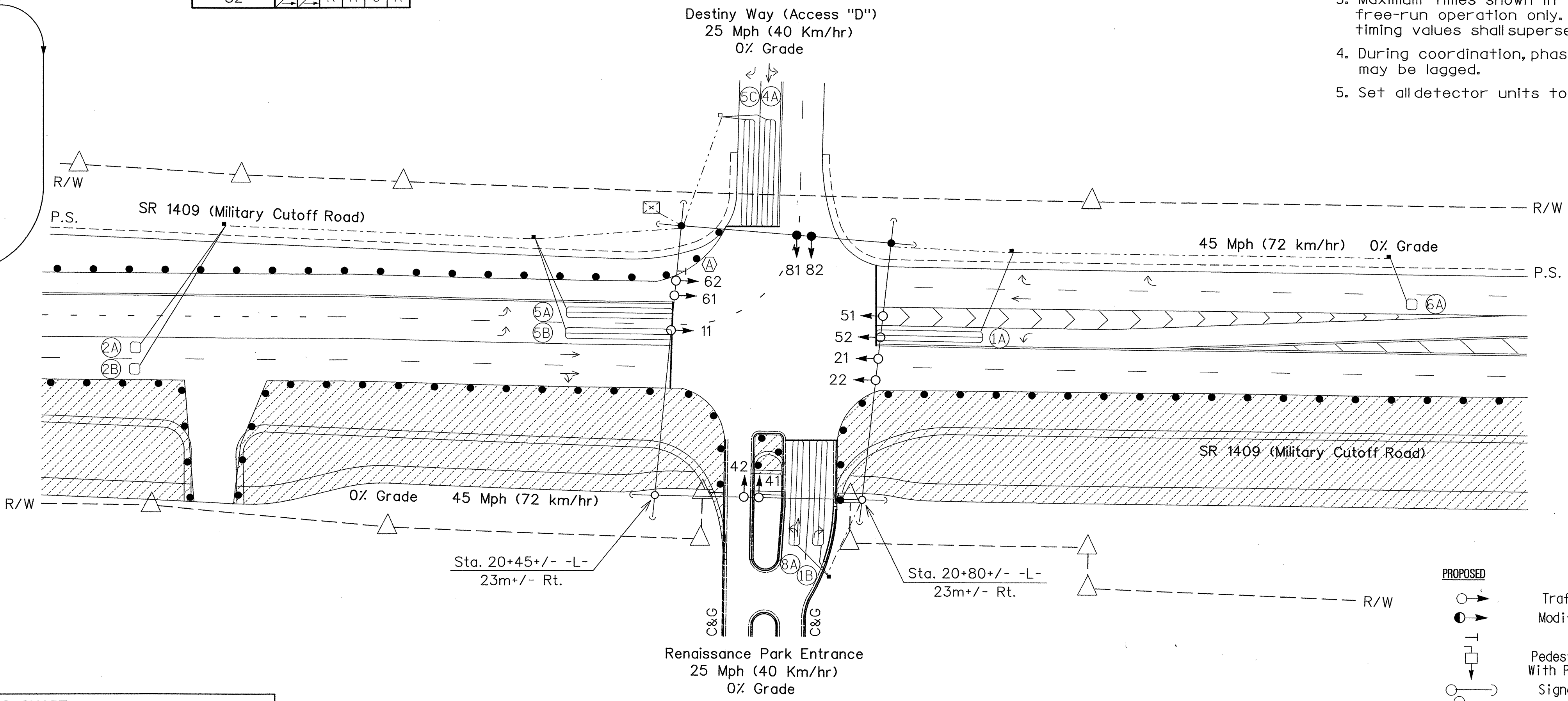
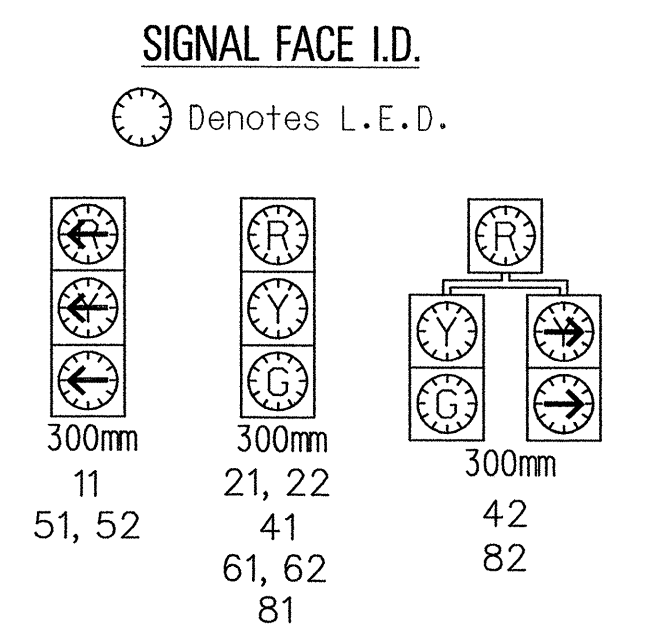


SIGNAL FACE	PHASE				
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 4+8
11	←	←	←	←	←
21, 22	R	R	G	G	R
41	R	R	R	R	G
42	R	R	R	G	R
51, 52	←	←	←	←	←
61, 62	R	G	R	G	R
81	R	R	R	R	G
82	R	R	R	G	R



5 Phase
(Fully Actuated)
(Time - Based Coordination)

NOTES

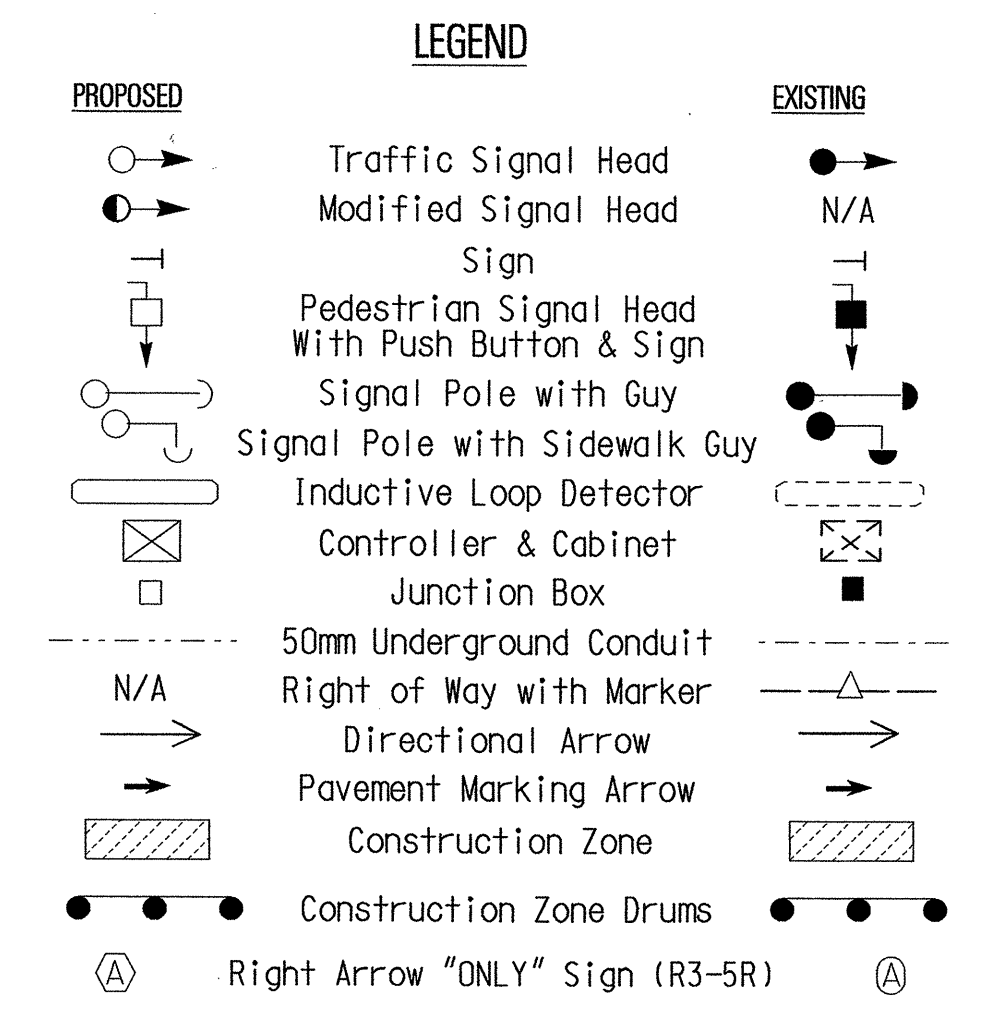
- Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- During coordination, phase 1 and/or phase 5 may be lagged.
- Set all detector units to presence mode.

FEATURE	PHASE						
	1	2	4	5	6	8	
Min Green 1*	7	12	7	7	12	7	
Extension 1*	1.0	6.0	1.0	1.0	6.0	1.0	
Max Green 1*	15	100	25	15	100	25	
Yellow Clearance	4.0	4.7	4.0	4.0	4.7	4.0	
Red Clearance	2.5	1.5	2.5	2.5	1.5	2.5	
Walk 1*	-	-	-	-	-	-	
Don't Walk 1	-	-	-	-	-	-	
Seconds Per Actuation*	-	1.5	-	-	1.5	-	
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.

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING								
	SIZE (M)	TURNS	DISTANCE FROM STOPBAR (M)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	1.8X1.8	2-4-2	0	Y	1	Y	Y	-	-	-	3	-
1B	1.8X1.8	2-4-2	0	Y	1	Y	Y	-	-	-	15	-
2A	1.8X1.8	5	90	Y	2	Y	Y	-	-	-	-	-
2B	1.8X1.8	5	90	Y	2	Y	Y	-	-	-	-	-
4A	1.8X1.8	2-4-2	0	Y	4	Y	Y	-	-	-	3	-
5A	1.8X1.8	2-4-2	0	Y	5	Y	Y	-	-	-	3	-
5B	1.8X1.8	2-4-2	0	Y	5	Y	Y	-	-	-	3	-
Y	1.8X1.8	2-4-2	0	Y	5	Y	Y	-	-	-	15	-
6A	1.8X1.8	5	90	Y	6	Y	Y	-	-	-	-	-
8A	1.8X1.8	2-4-2	0	Y	8	Y	Y	-	-	-	-	-

Pay Item	Meters
Signal Cable	270
Messenger Cable	160
Lead-in Cable	660



SEPI ENGINEERING GROUP
 2300 Rexwoods Drive
 Suite 370
 Raleigh, NC 27607
 Tel: 919-789-9977 Fax: 789-9591

Signal Upgrade Temporary Design 1 Construction Phase I

SR 1409 (Military Cutoff Road)
 at
 Renaissance Park Entrance and Destiny Way
 (Access "D")

Division 3 New Hanover County Wilmington

PLAN DATE: Sept 2003 REVISIONS: _____ INIT. DATE: _____
 PREPARED BY: H. M. Surti REVIEWED BY: L. M. Eddins
 REVIEWED BY: S. S. Asefina

1/7/04

Sig. INVENTORY NO. 03-095211