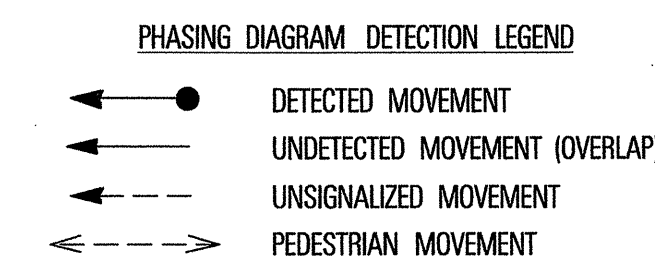
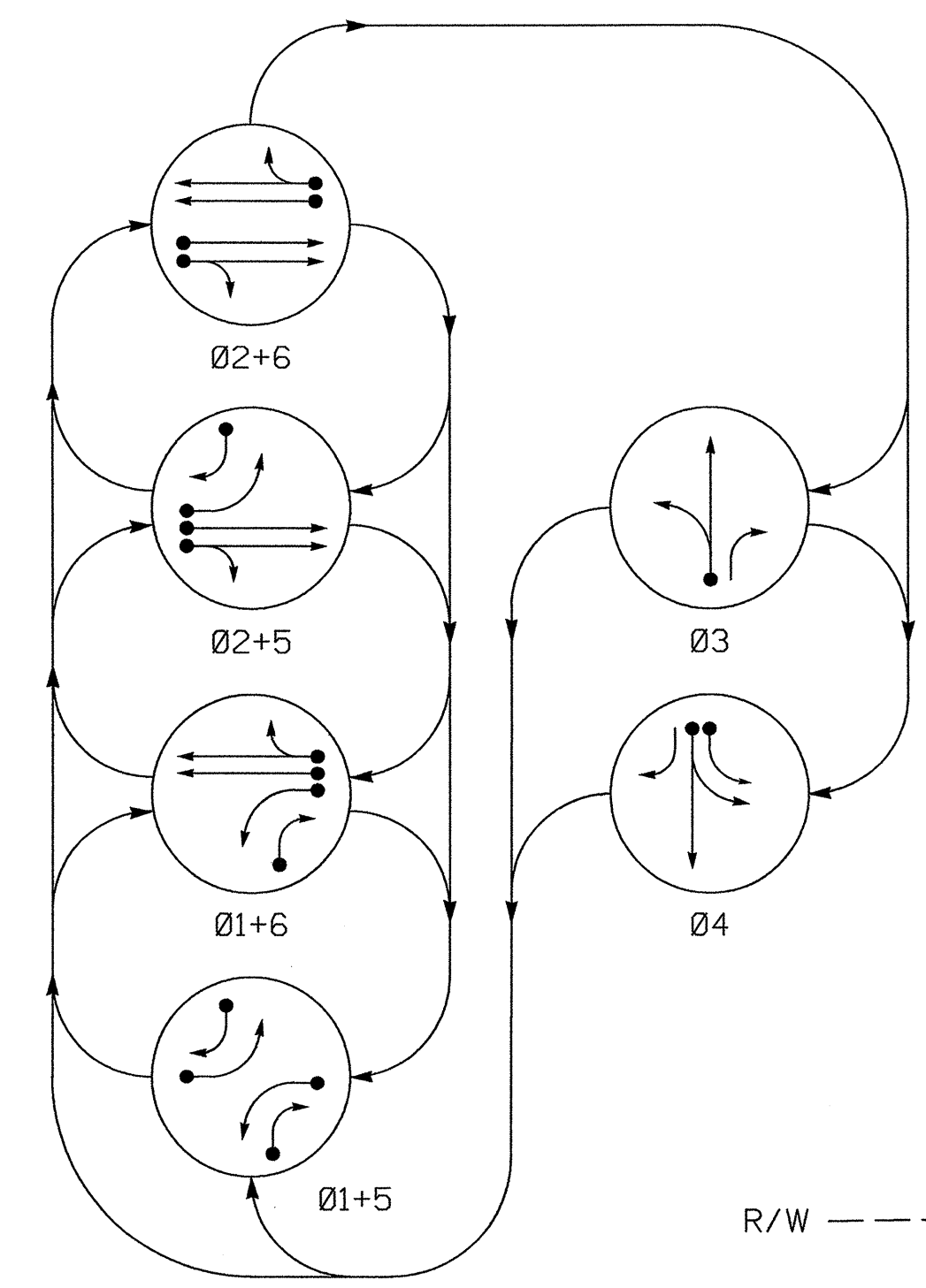
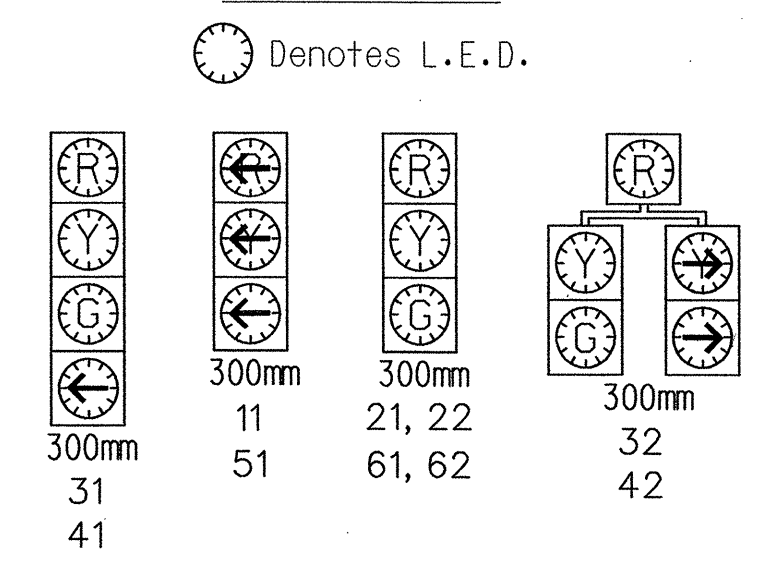


PHASING DIAGRAM



SIGNAL FACE	PHASE					
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 3	Ø 4
11	←	←	←	←	←	←
21, 22	R	R	G	G	R	R
31	R	R	R	G	R	R
32	R	R	R	G	R	R
41	R	R	R	G	R	R
42	R	R	R	G	R	R
51	←	←	←	←	←	←
61, 62	R	G	R	G	R	Y

SIGNAL FACE I.D.

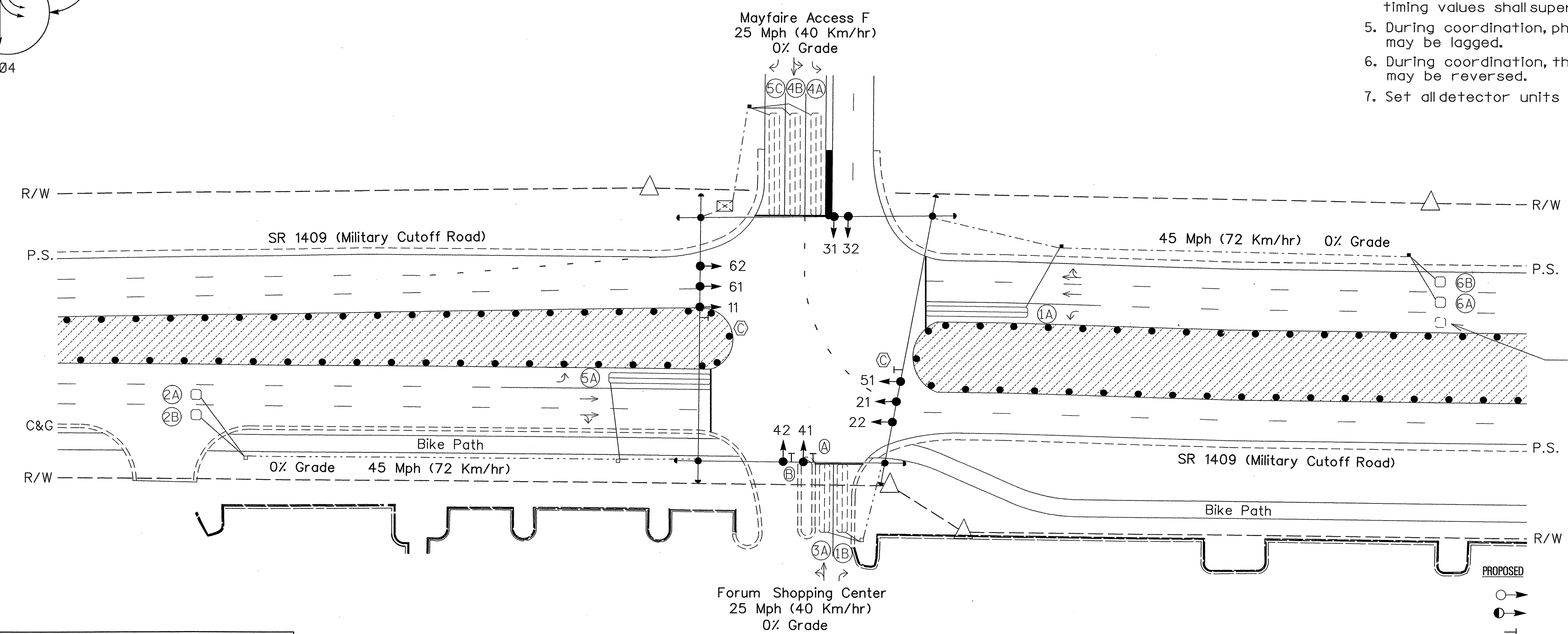


Pay Item	Meters
Signal Cable	0
Messenger Cable	0
Lead-in Cable	870

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

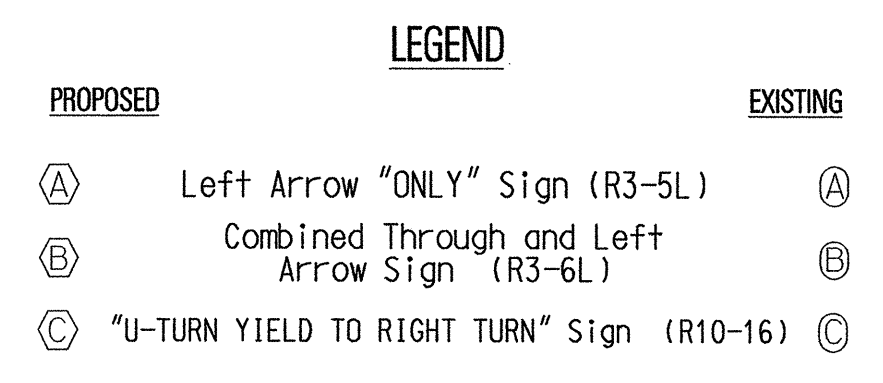
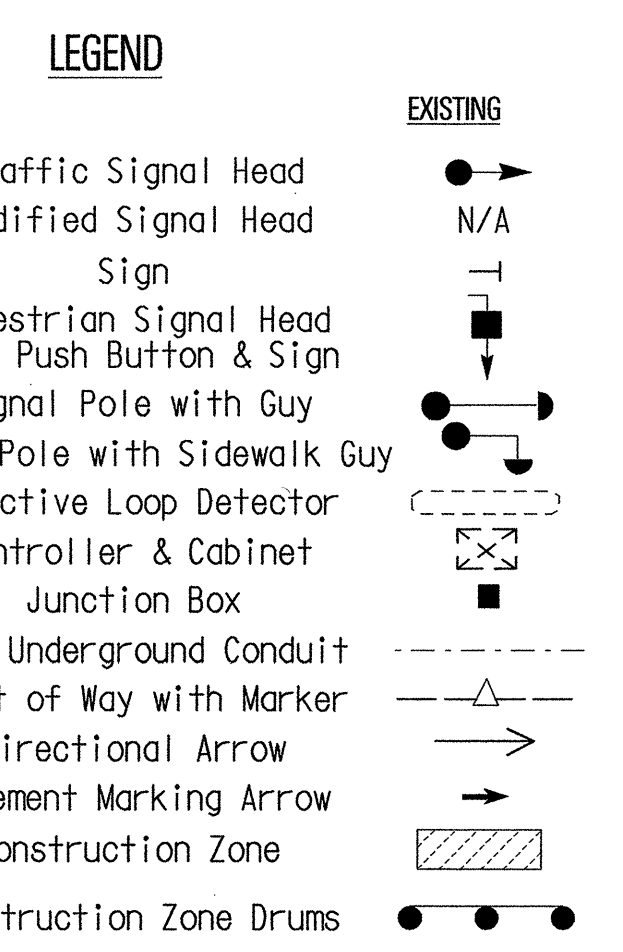
NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Disconnect and abandon existing loop.
3. Reposition existing signalheads numbered 11, 21, 22, 51, 61, and 62.
4. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
5. During coordination, phase 1 and/or phase 5 may be lagged.
6. During coordination, the order of phase 3 and 4 may be reversed.
7. Set all detector units to presence mode.



FEATURE	PHASE					
	1	2	3	4	5	6
Min Green 1 *	7	12	7	7	7	12
Extension 1 *	1.0	6.0	2.0	1.0	1.0	6.0
Max Green 1 *	15	100	20	30	25	100
Yellow Clearance	4.0	4.7	4.0	4.0	4.0	4.7
Red Clearance	3.0	1.5	3.0	3.5	3.0	1.5
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	-	-	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON	ON	ON

LOOP	SIZE (M)	TURNS	DISTANCE FROM STOPBAR (M)	NEW LOOP	PHASE	DETECTOR PROGRAMMING						
						CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	1.8X18	2-4-2	0	Y	1	Y	Y	-	-	-	-	-
1B	1.8X12	2-4-2	0	-	1	Y	Y	-	-	-	15	-
2A	1.8X1.8	5	90	Y	2	Y	Y	-	-	-	-	-
2B	1.8X1.8	5	90	Y	2	Y	Y	-	-	-	-	-
3A	1.8X12	2-4-2	0	-	3	Y	Y	-	-	-	-	-
4A	1.8X18	2-4-2	0	-	4	Y	Y	-	-	-	-	-
4B	1.8X18	2-4-2	0	-	4	Y	Y	-	-	-	-	-
5A	1.8X18	2-4-2	0	Y	5	Y	Y	-	-	-	-	-
5C	1.8X18	2-4-2	0	-	5	Y	Y	-	-	-	15	-
6A	1.8X1.8	5	90	Y	6	Y	Y	-	-	-	-	-
6B	1.8X1.8	5	90	Y	6	Y	Y	-	-	-	-	-



* 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.

SEPI ENGINEERING GROUP

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

Signal Upgrade Temporary Design 2 Construction Phase II

SR 1409 (Military Cutoff Road) at Forum Shopping Center and Mayfair Access F

Division 3 New Hanover County Wilmington

PLAN DATE: Nov. 2003 REVIEWED BY: L. M. Eddins

PREPARED BY: H. M. Surti REVIEWED BY: S. S. Asefina

SCALE 1:500

2004

1/7/04

SIG. INVENTORY NO. 03-089572