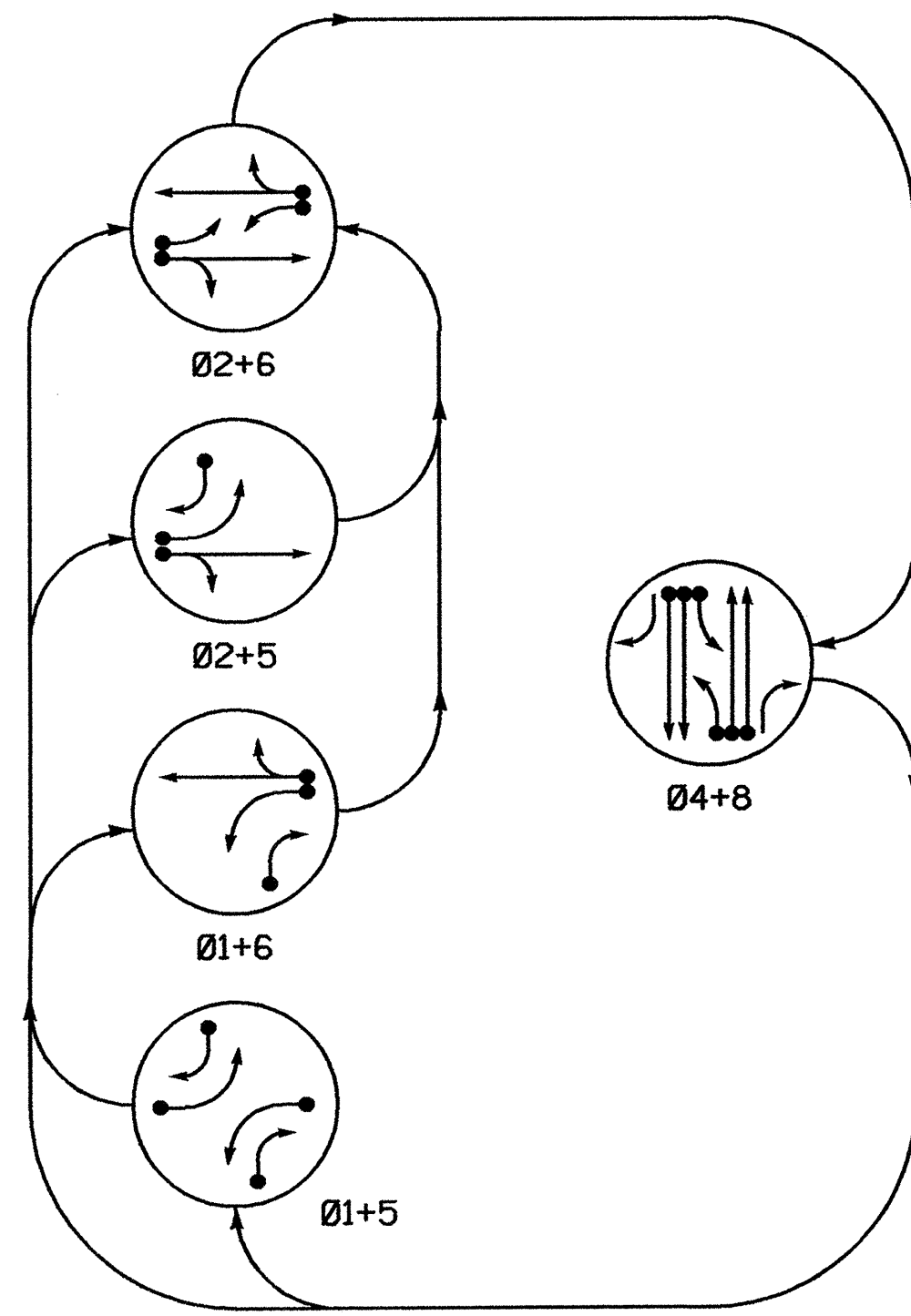


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- ← ● → DETECTED MOVEMENT
- ← — → UNDETECTED MOVEMENT (OVERLAP)
- ← - - - → UNSIGNALIZED MOVEMENT
- ← — — — → PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE				
	Ø1+5	Ø1+6	Ø2+5	Ø2+6	F
21	R	R	G	G	Y
22, 23	R	R	G	G	Y
41, 42	R	R	R	G	R
43	R	R	R	G	R
61	R	G	R	G	Y
62, 63	R	G	R	G	Y
81, 82, 84	R	R	R	G	R
83	R	R	R	G	R

PLAN QUANTITIES

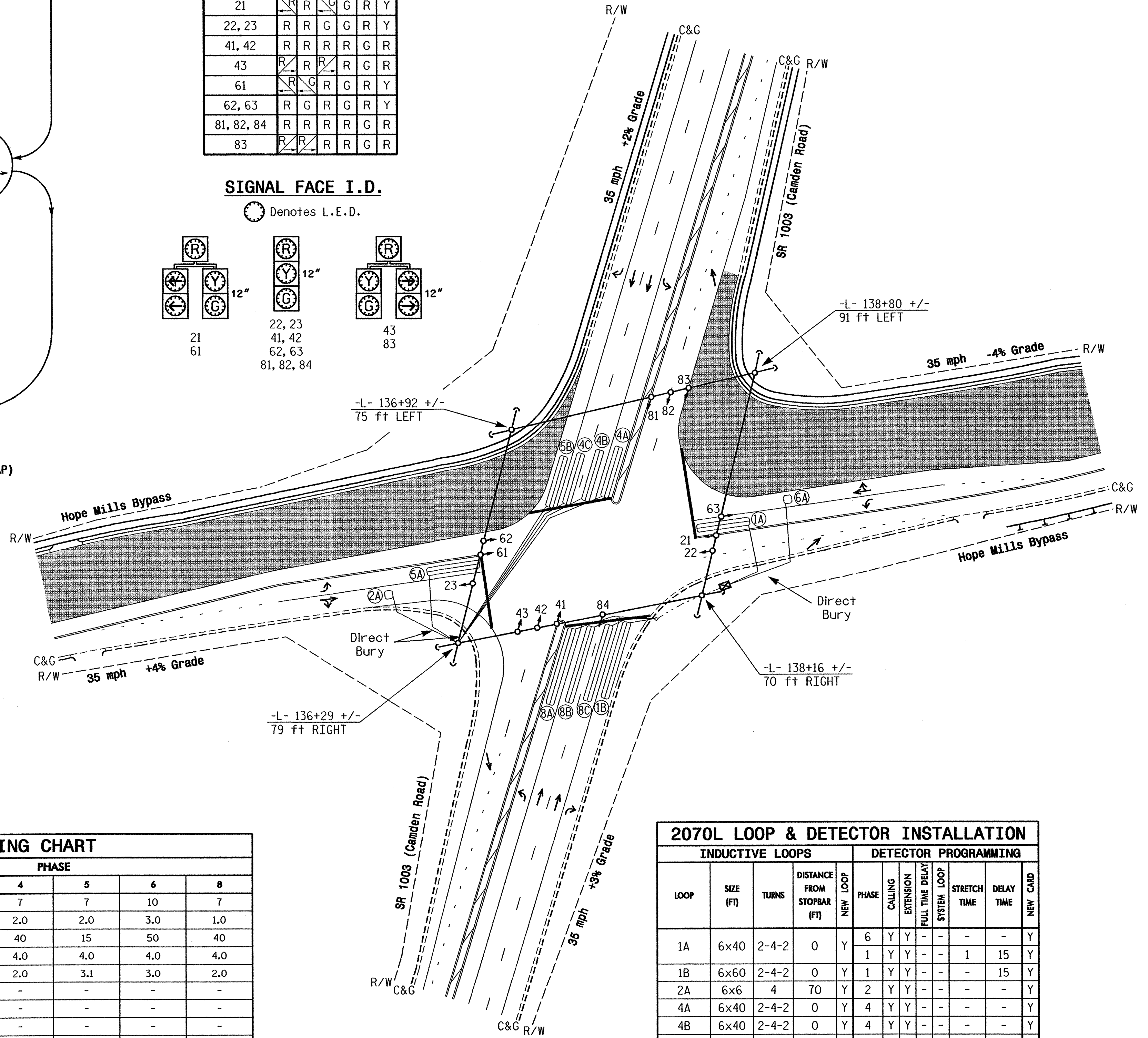
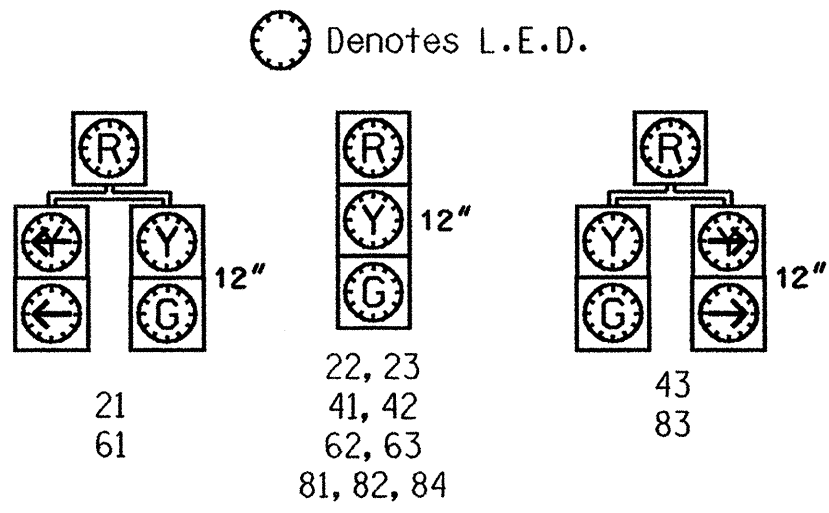
Pay Item	Feet
Signal Cable	1540
Messenger Cable	760
Lead-in Cable	1130

5 Phase Fully Actuated (Isolated)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Omit phase 1 during phase 2 on.
3. Omit phase 5 during phase 6 on.
4. Program controller to clear from phase 2+6 to phase 1 and/or phase 5 by progressing through phase 4+8 (see Electrical Details).
5. Set all detector units to presence mode.

SIGNAL FACE I.D.



2070L TIMING CHART

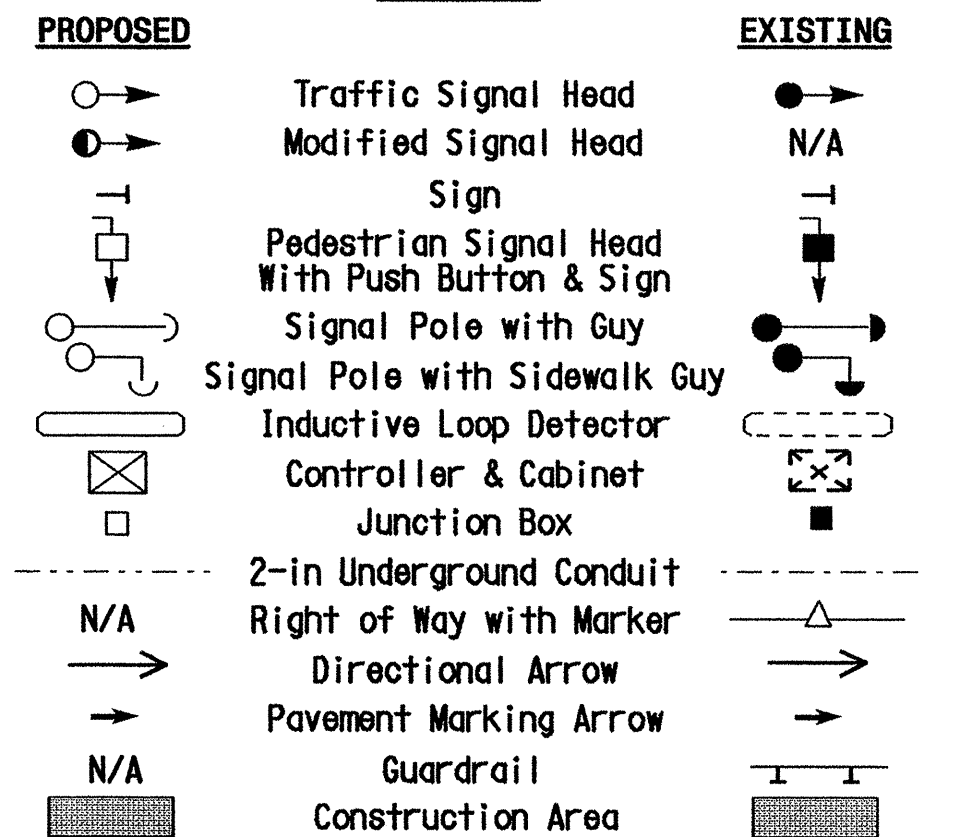
FEATURE	PHASE						
	1	2	4	5	6	8	
Min Green 1*	7	10	7	7	10	7	
Extension 1*	1.0	3.0	2.0	2.0	3.0	1.0	
Max Green 1*	15	50	40	15	50	40	
Yellow Clearance	4.0	4.0	4.0	4.0	4.0	4.0	
Red Clearance	3.7	3.0	2.0	3.1	3.0	2.0	
Walk 1*	-	-	-	-	-	-	
Don't Walk 1	-	-	-	-	-	-	
Seconds Per Actuation*	-	-	-	-	-	-	
Max Variable Initial*	-	-	-	-	-	-	
Time Before Reduction*	-	-	-	-	-	-	
Time To Reduce*	-	-	-	-	-	-	
Minimum Gap	-	-	-	-	-	-	
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-	
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-	
Dual Entry	-	-	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.

2070L LOOP & DETECTOR INSTALLATION

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING								
	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	6x40	2-4-2	0	Y	6	Y	Y	-	-	1	15	Y
1B	6x60	2-4-2	0	Y	1	Y	Y	-	-	-	15	Y
2A	6x6	4	70	Y	2	Y	Y	-	-	-	-	Y
4A	6x40	2-4-2	0	Y	4	Y	Y	-	-	-	-	Y
4B	6x40	2-4-2	0	Y	4	Y	Y	-	-	-	-	Y
4C	6x40	2-4-2	0	Y	4	Y	Y	-	-	-	-	Y
5A	6x40	2-4-2	0	Y	2	Y	Y	-	-	-	-	Y
5B	6x40	2-4-2	0	Y	5	Y	Y	-	-	-	15	Y
6A	6x6	4	70	Y	6	Y	Y	-	-	-	-	Y
8A	6x60	2-4-2	0	Y	8	Y	Y	-	-	-	-	Y
8B	6x60	2-4-2	0	Y	8	Y	Y	-	-	-	-	Y
8C	6x60	2-4-2	0	Y	8	Y	Y	-	-	-	-	Y

LEGEND



New Installation: Phase III Temporary Design

Prepared in the Office of:

 Department of Transportation
 Statewide Construction Management

Hope Mills Bypass at SR 1003 (Camden Road)

Division 6 Cumberland County Hope Mills
 PLAN DATE: September 2003 REVIEWED BY: L.A. Elliott
 PREPARED BY: P.J. Porter REVIEWED BY: STF/JPG

122 N. McDowell St., Raleigh, NC 27603

SCALE: 0 50
 1"=50'

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 24393
 Timothy J. Williams
 DATE: 10/22/03
 SIG. INVENTORY NO. 06-1255T