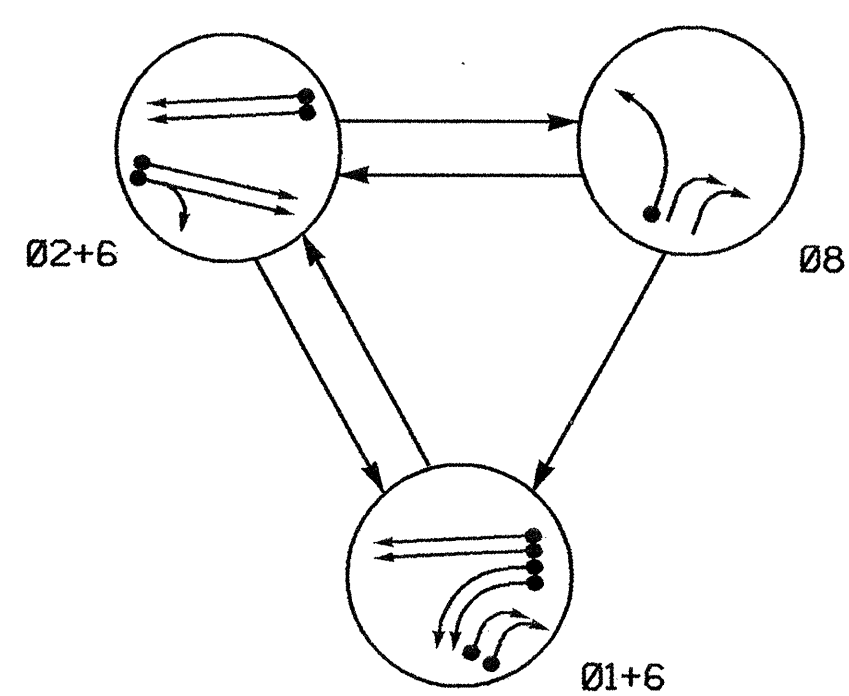


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	01+6	02+6	08	FLASH
11, 12	R	R	R	R
21, 22	R	G	R	Y
61, 62	G	G	R	Y
81	R	R	R	R
82, 83	R	R	R	R
84	R	R	G	R

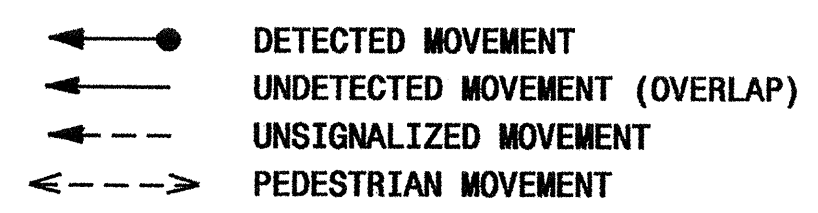
2070L LOOP & DETECTOR INSTALLATION												
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (M)	TURNS	DISTANCE FROM STOPBAR (M)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	1.8X18	2-4-2	0	Y	1	Y	Y	-	-	-	-	Y
1B	1.8X18	2-4-2	0	-	1	Y	Y	-	-	-	-	-
1C	1.8X18	2-4-2	0	-	1	Y	Y	-	-	-	15	-
1D	1.8X18	2-4-2	0	Y	1	Y	Y	-	-	-	15	Y
2A	1.8X1.8	6	130	Y	2	Y	Y	-	-	-	-	-
2B	1.8X1.8	6	130	Y	2	Y	Y	-	-	-	-	Y
6A	1.8X1.8	6	130	Y	6	Y	Y	-	-	-	-	Y
6B	1.8X1.8	6	130	-	6	Y	Y	-	-	-	-	-
8A	1.8X18	2-4-2	0	-	8	Y	Y	-	-	-	-	-

3 Phase Fully Actuated (Isolated)

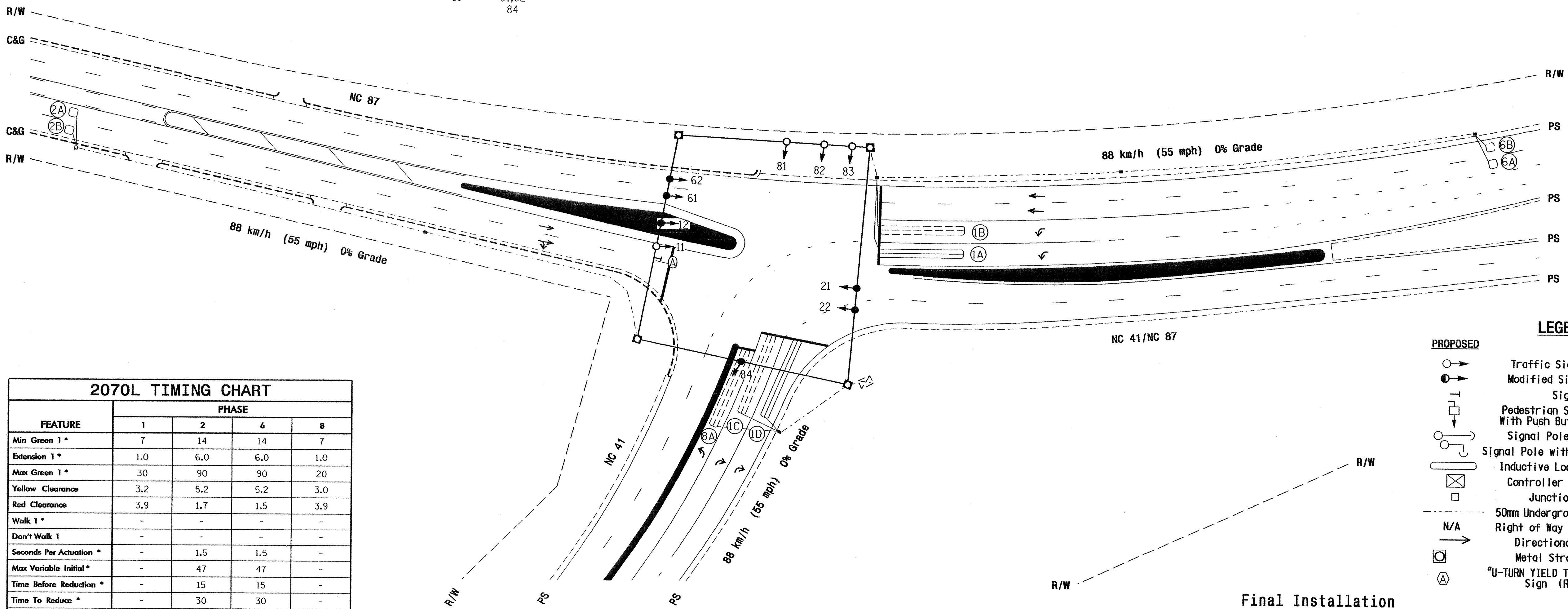
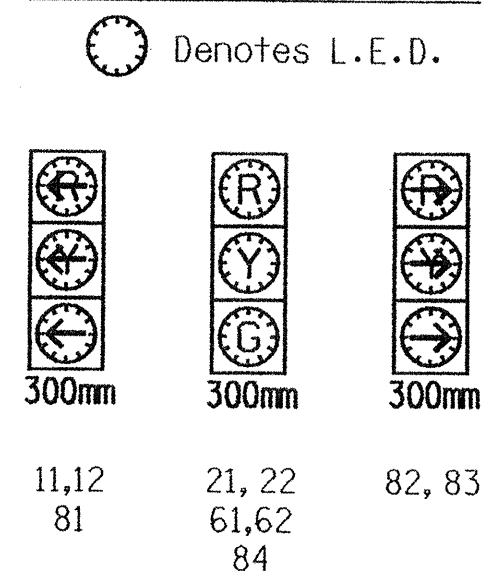
NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 may be lagged.
4. Reposition existing signal heads 21, 22, 61, 62 and sign A.
5. Set all detector units to presence mode.

PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE I.D.



2070L TIMING CHART

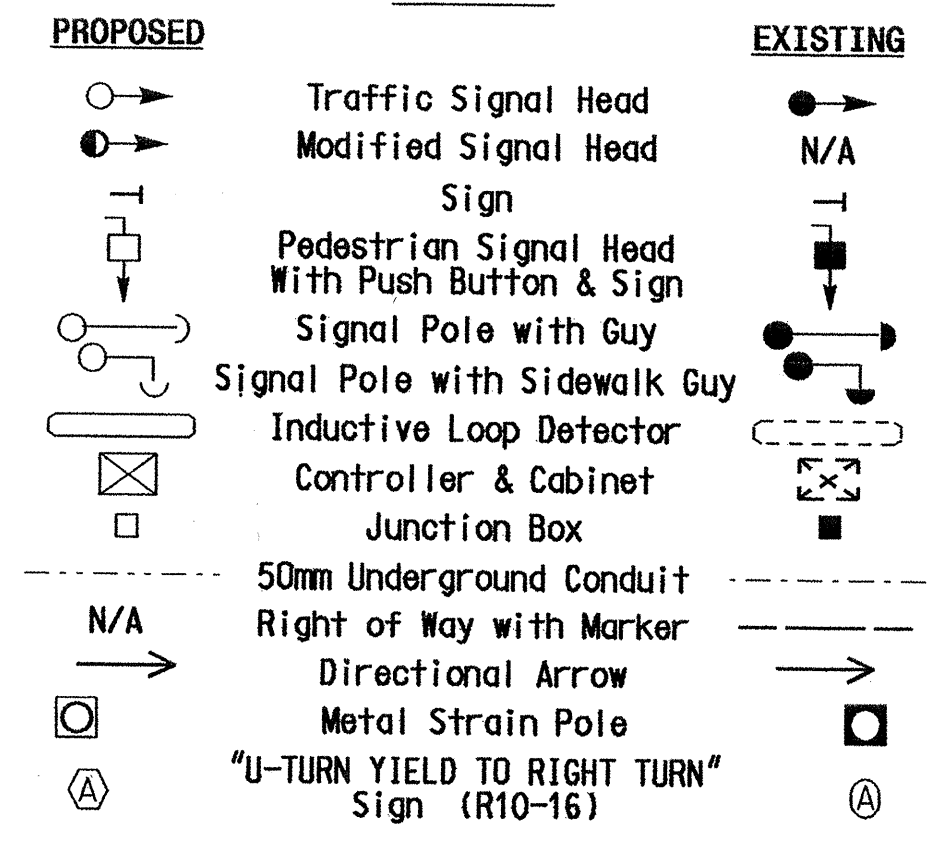
FEATURE	PHASE			
	1	2	6	8
Min Green 1 *	7	14	14	7
Extension 1 *	1.0	6.0	6.0	1.0
Max Green 1 *	30	90	90	20
Yellow Clearance	3.2	5.2	5.2	3.0
Red Clearance	3.9	1.7	1.5	3.9
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	1.5	1.5	-
Max Variable Initial *	-	47	47	-
Time Before Reduction *	-	15	15	-
Time To Reduce *	-	30	30	-
Minimum Gap	-	3.4	3.4	-
Recall Mode	-	MIN RECALL	MIN RECALL	-
Vehicle Call Memory	-	YELLOW	YELLOW	-
Dual Entry	-	-	-	-
Simultaneous Gap	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.

PLAN QUANTITIES

Pay Item	Meters
Signal Cable	245
Messenger Cable	0
Lead-in Cable	0

LEGEND



Final Installation

Prepared in the Office of:
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 Signal and Geometric Section
 122 N. McDowell St., Raleigh, NC 27603

NC 87/ (NC 41/NC 87) at NC 41

Division 6 Bladen County Dublin
 PLAN DATE: August 2004 REVIEWED BY: C J Collins
 PREPARED BY: R W Duffy REVIEWED BY:

SCALE: 1:500

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 24393
 SIGNATURE: [Signature] DATE: 9/2/04
 SIG. INVENTORY NO. 06-1121