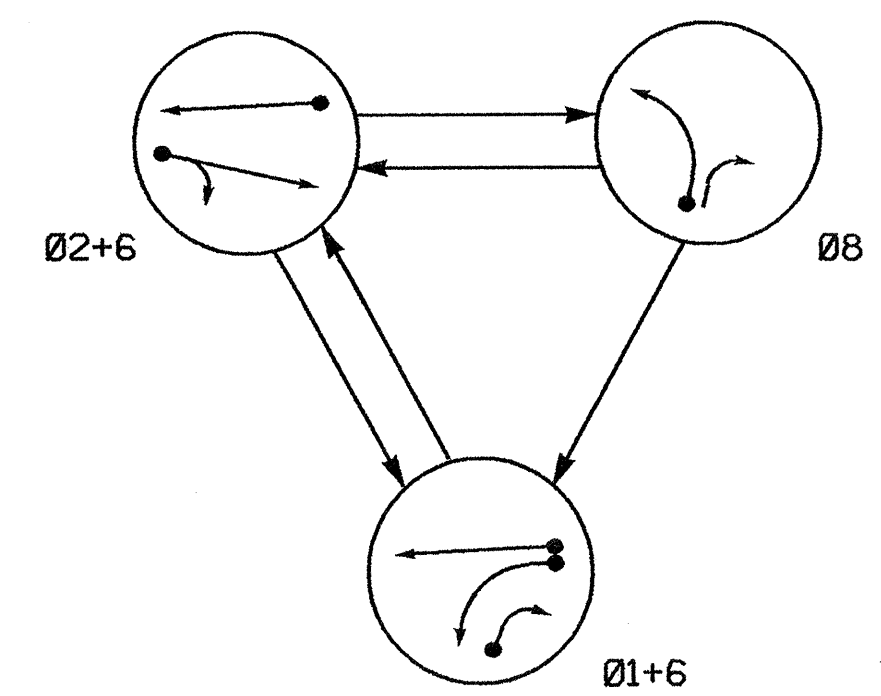


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	Ø 1 + 6	Ø 2 + 6	Ø 8	PEDESTRIAN
12	R	R	R	R
21, 22	R	G	R	Y
61, 62	G	G	R	Y
81, 84	R	R	G	R
82	R	R	G	R

2070L LOOP & DETECTOR INSTALLATION

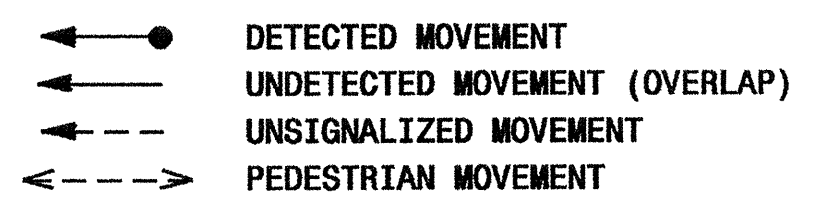
LOOP	SIZE (M)	TURNS	DISTANCE FROM STOPBAR (M)	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1B	1.8X18	2-4-2	0	Y	1	Y	Y	-	-	-	-	Y
1C	1.8X18	2-4-2	0	Y	1	Y	Y	-	-	15	-	Y
2A	1.8X1.8	6	130	Y	2	Y	Y	-	-	-	-	Y
6B	1.8X1.8	6	130	Y	6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

3 Phase Fully Actuated (Isolated)

NOTES

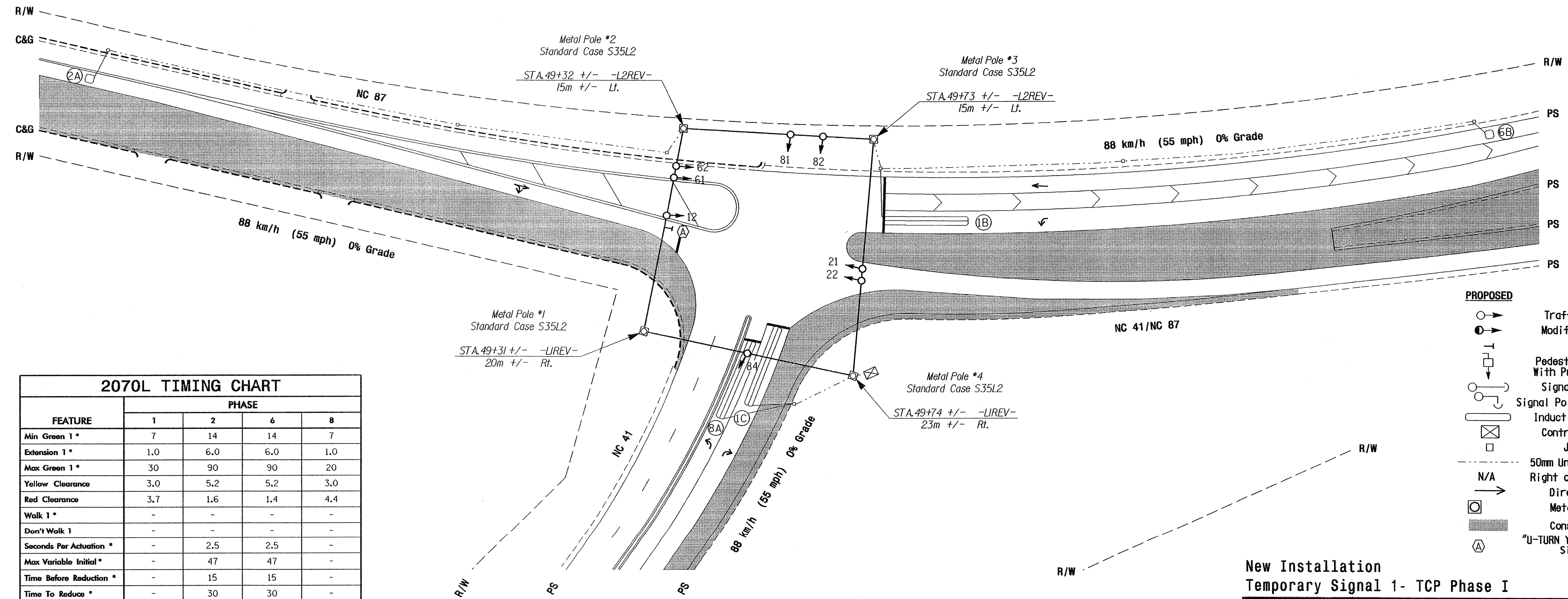
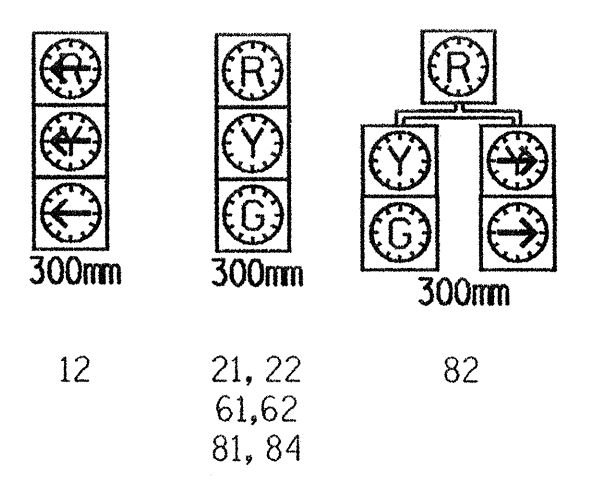
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 may be lagged.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.

PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE I.D.

Denotes L.E.D.



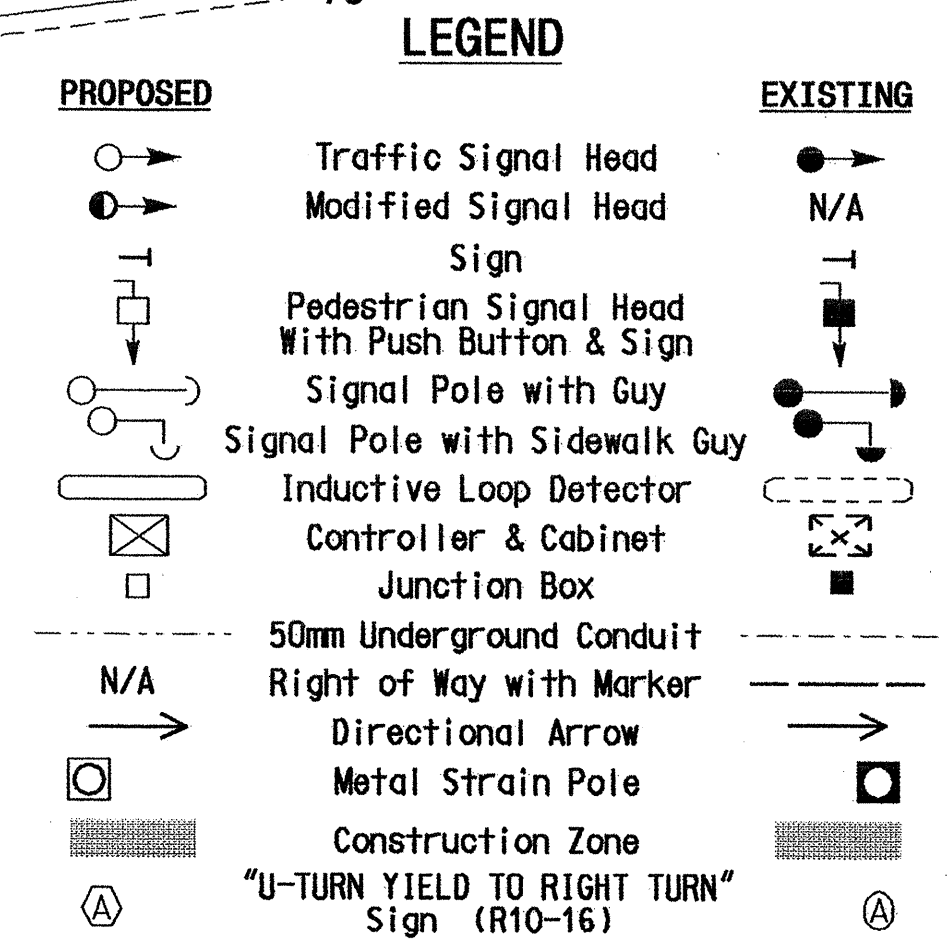
2070L TIMING CHART

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	3.0	5.2	5.2	3.0
Red Clearance	3.7	1.6	1.4	4.4
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	2.5	2.5	-
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	350
Messenger Cable	185
Lead-in Cable	555



New Installation Temporary Signal 1- TCP Phase I

Prepared in the Office of: **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 M Duffy REVIEWED BY:

222 N. McDowell St., Raleigh, NC 27603

SCALE: 1:500

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 24393

SIGNATURE: [Signature] DATE: 9/2/04

SIG. INVENTORY NO. 06-1121 T1