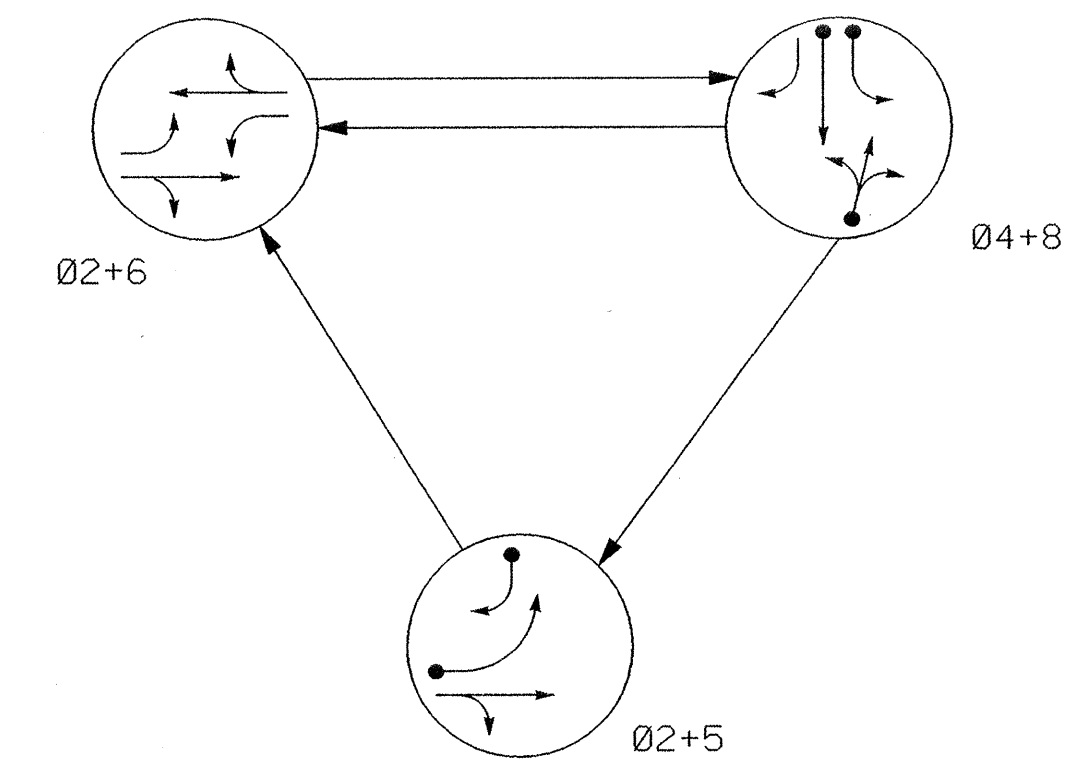


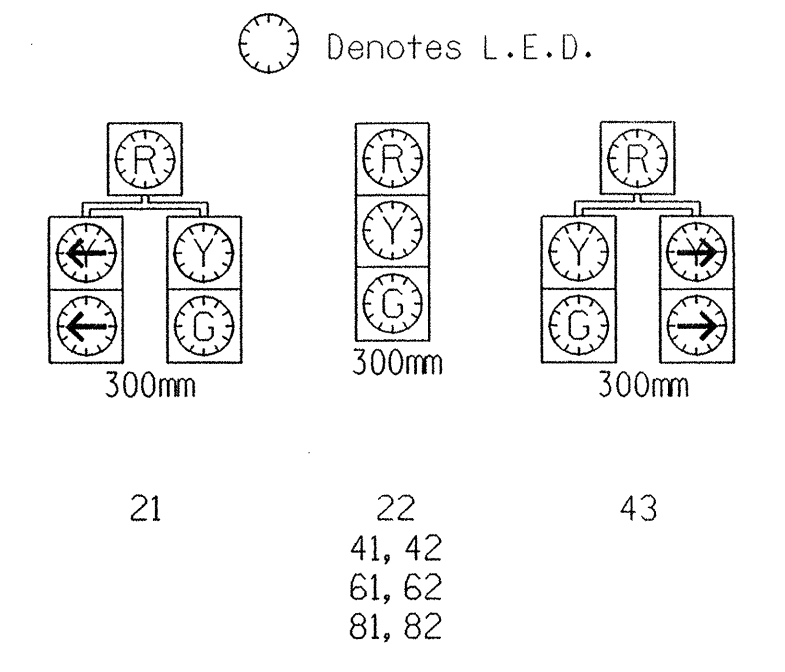
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
 ● DETECTED MOVEMENT
 ◄ UNDETECTED MOVEMENT (OVERLAP)
 - - - UNSIGNALIZED MOVEMENT
 ◄ - - - PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE				
	02+5	02+6	04+8	FLASH	
21	G	R	Y		
22	G	R	Y		
41	R	R	G	R	
42	R	R	G	R	
43	R	R	G	R	
61,62	R	G	R	Y	
81,82	R	R	G	R	

SIGNAL FACE I.D.



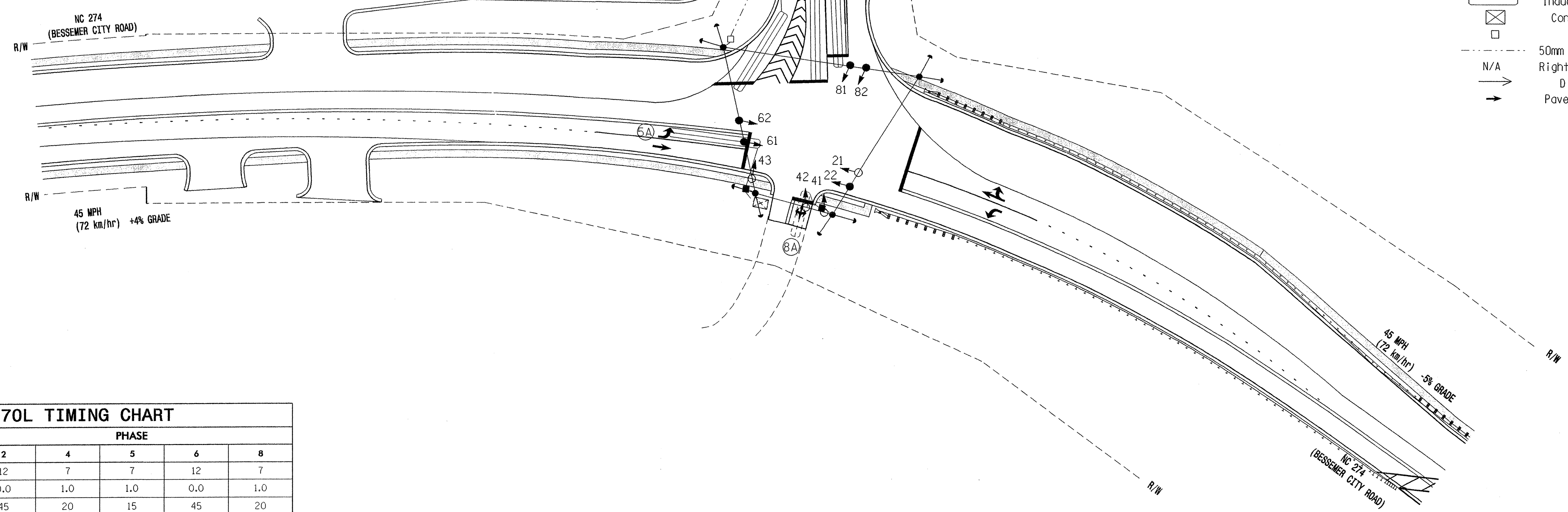
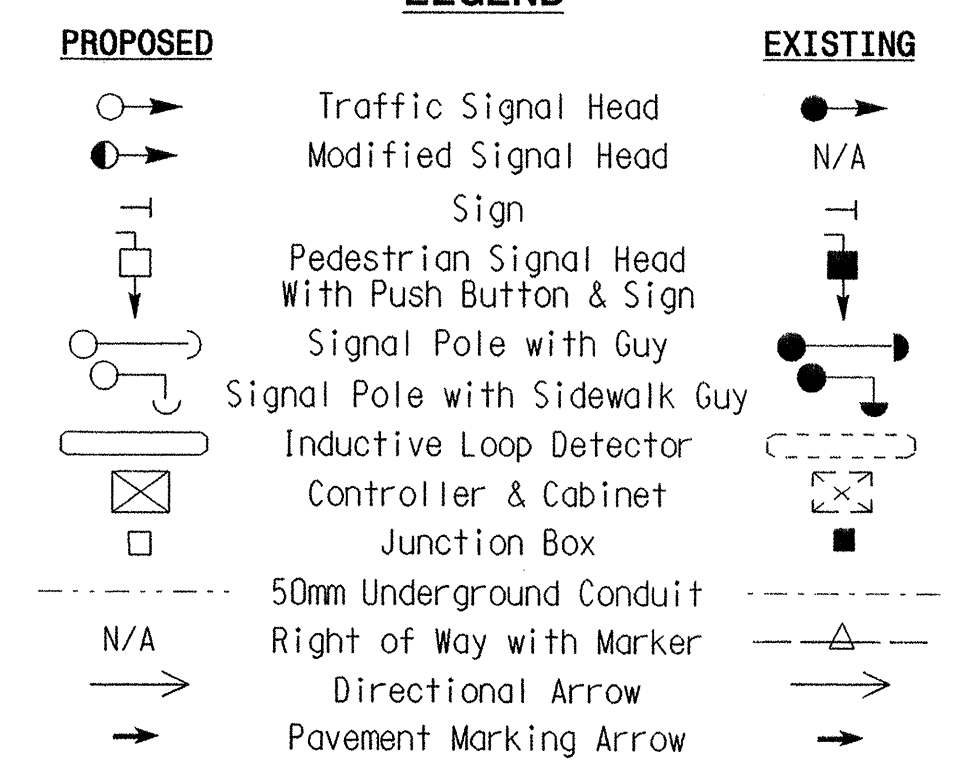
PLAN QUANTITIES	
Pay Item	Meters
Signal Cable	60
Messenger Cable	0
Loop Lead-in Cable	190

3 PHASE SEMI-ACTUATED ISOLATED

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- Omit Phase 5 during Phase 6 on.
- Program controller to clear from phase 2+6 to phase 5 by progressing through phase 4+8 (see Electrical Details).
- Set all detector units to presence mode.
- Reposition existing signal heads numbered #61 and 62.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.

LEGEND



2070L TIMING CHART

FEATURE	PHASE				
	2	4	5	6	8
Min Green 1 *	12	7	7	12	7
Extension 1 *	0.0	1.0	1.0	0.0	1.0
Max Green 1 *	45	20	15	45	20
Yellow Clearance	5.0	4.0	4.0	5.0	4.0
Red Clearance	2.0	2.5	2.0	2.0	2.5
Walk 1 *	-	-	-	-	-
Don't Walk 1	-	-	-	-	-
Seconds Per Actuation *	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Recall Mode	MAX RECALL	-	-	MAX RECALL	-
Vehicle Call Memory	YELLOW	-	-	YELLOW	-
Dual Entry	-	ON	-	-	ON
Simultaneous Gap	ON	ON	ON	ON	ON

2070L LOOP & DETECTOR INSTALLATION

INDUCTIVE LOOPS				DETECTOR PROGRAMMING							
LOOP	SIZE (m)	TURNS	DISTANCE FROM STOPBAR (m)	PHASE	CALLING	EXTENSION	FULL TIME DELAY SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD	
4A	1.8 x 18	2-4-2	+2	Y	4	Y	Y	-	-	3	Y
4B	1.8 x 18	2-4-2	0	Y	4	Y	Y	-	-	-	Y
5A	1.8 x 18	2-4-2	+2	Y	5	Y	Y	-	-	15	Y
5B	1.8 x 18	2-4-2	+1	Y	5	Y	Y	-	-	15	Y
8A	1.8 x 9	2-4-2	+1	-	8	Y	Y	-	-	10	-

Prepared in the Office of:
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 TRANSPORTATION CONSULTANTS
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 Raleigh, North Carolina 27609

SIGNAL UPGRADE - TEMPORARY DESIGN 2

N.C. 274 (BESSEMER CITY ROAD) AT SR 1351 (ISLEY DRIVE)

DIVISION 12 GASTON COUNTY GASTONIA

PLAN DATE: OCT. 30, 2003 REVIEWED BY: R. DUBNICKA, P.E.

PREPARED BY: RGL REVIEWED BY:

REVISIONS: _____ INIT. DATE

SCALE: 1:500

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 027742 ROBERT I. DUBNICKA

SIG. INVENTORY NO. 12-023472

09-AUG-2004 12:28 Y:\tr\off\ch2\08\sig14.dgn P:\one\sig-24.dgn

* 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.