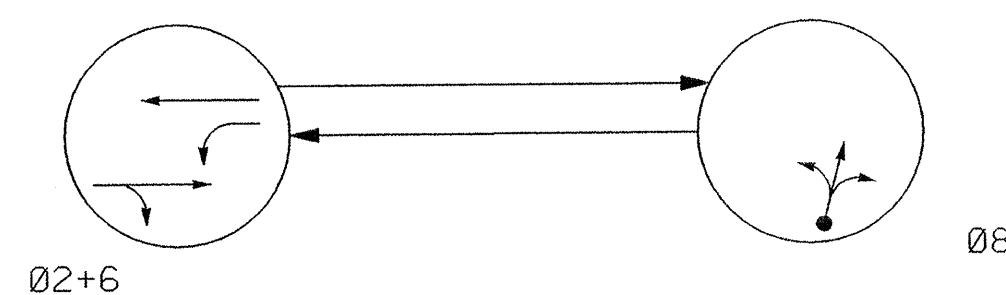


PHASING DIAGRAM



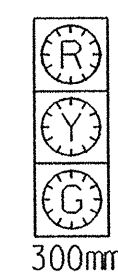
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE		
	Ø 2+6	Ø 4+8	FLASH H
21	G	R	Y
22	G	R	Y
61	G	R	Y
62	G	R	Y
81	R	G	R
82	R	G	R

SIGNAL FACE I.D.

Denotes L.E.D.



21, 22  
61, 62  
81, 82

PLAN QUANTITIES	
Pay Item	Meters
Signal Cable	175
Messenger Cable	120
Loop Lead-in Cable	50

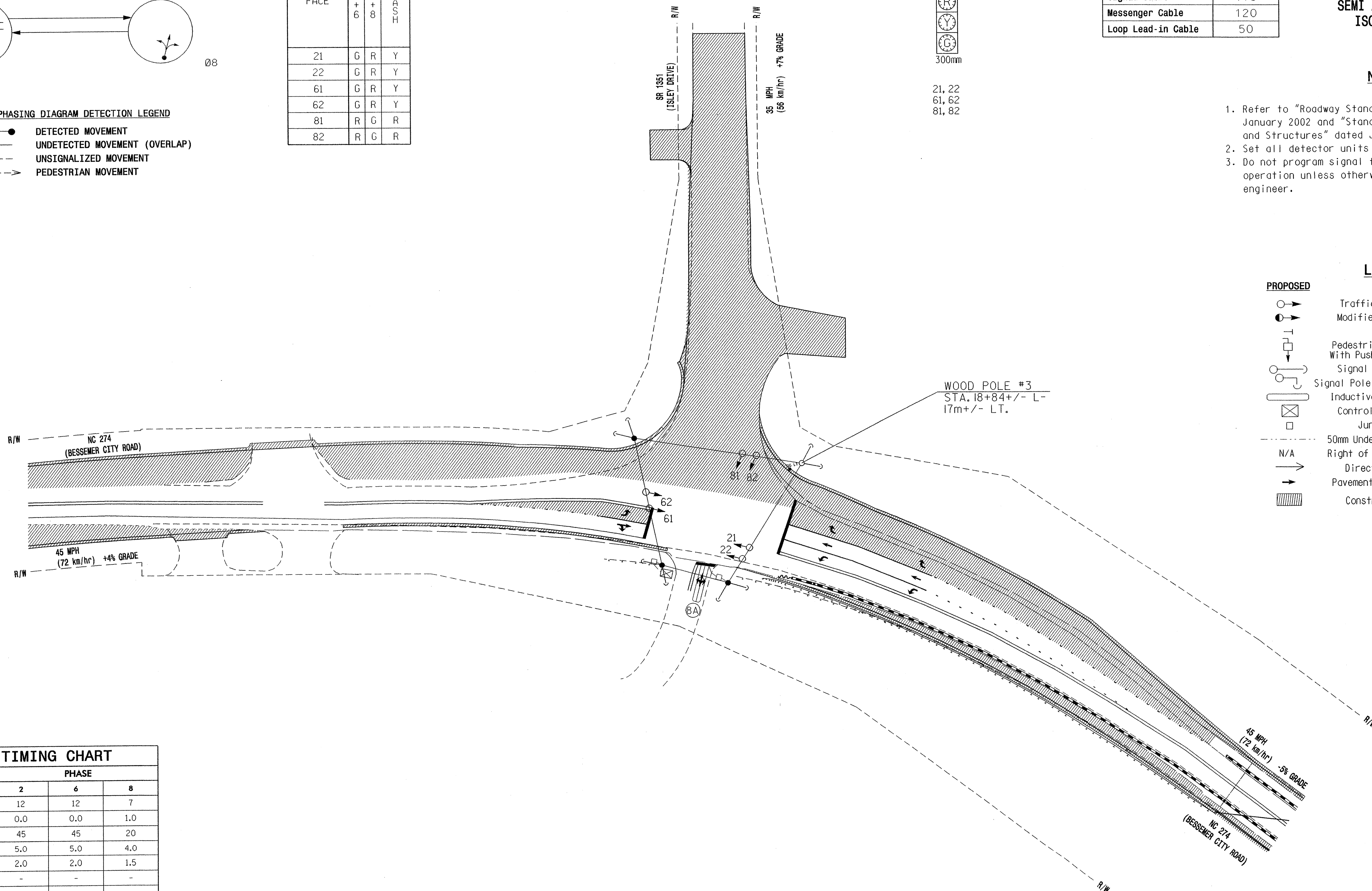
2 PHASE SEMI ACTUATED ISOLATED

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- Set all detector units to presence mode.
- Do not program signal for late night flashing operation unless otherwise directed by the engineer.

LEGEND

PROPOSED	EXISTING
	N/A
	N/A
N/A	



2070L TIMING CHART

FEATURE	PHASE		
	2	6	8
Min Green 1 *	12	12	7
Extension 1 *	0.0	0.0	1.0
Max Green 1 *	45	45	20
Yellow Clearance	5.0	5.0	4.0
Red Clearance	2.0	2.0	1.5
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	-	-	-
Simultaneous Gap	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

INDUCTIVE LOOPS			DETECTOR PROGRAMMING									
LOOP	SIZE (m)	TURNS	DISTANCE FROM STOPBAR (m)	NEW LOOP	PHASE	CALLING	EXTENSION	PULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
8A	1.8 X 9	2-4-2	0	Y	8	Y	Y	-	-	-	10	Y

Prepared in the Office of:

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TRANSPORTATION CONSULTANTS

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SIGNAL UPGRADE - TEMPORARY DESIGN 1

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:

SCALE 1:500

REVISIONS

INIT. DATE

SEAL

ROBERT J. DUBNICKA  
ENGINEER

SIG. INVENTORY NO. 12-023411