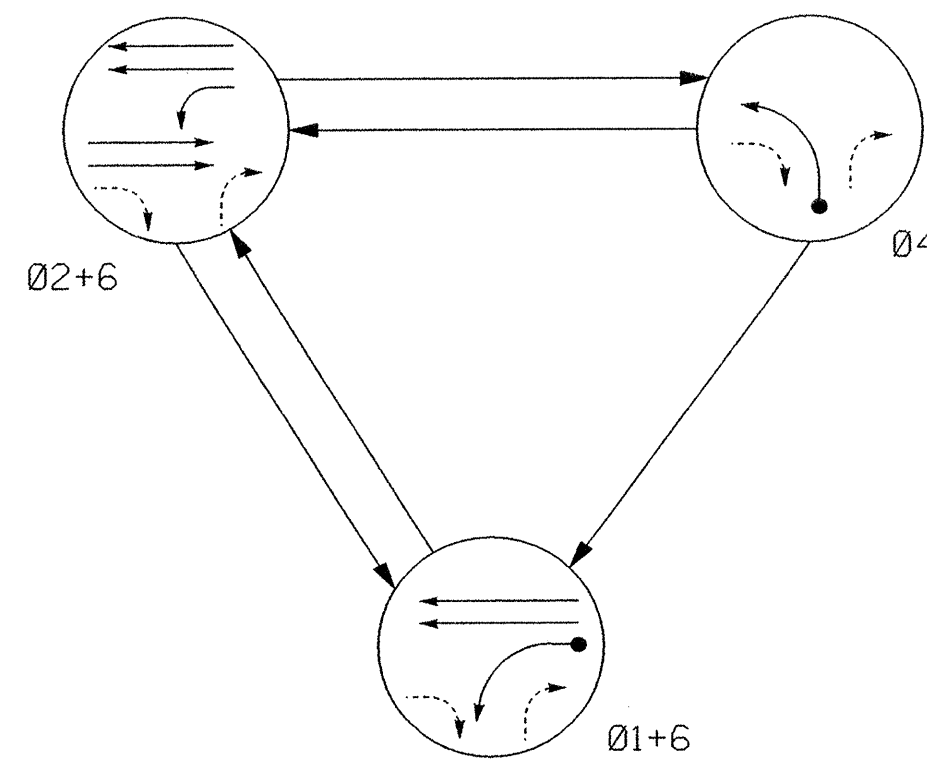


PHASING DIAGRAM

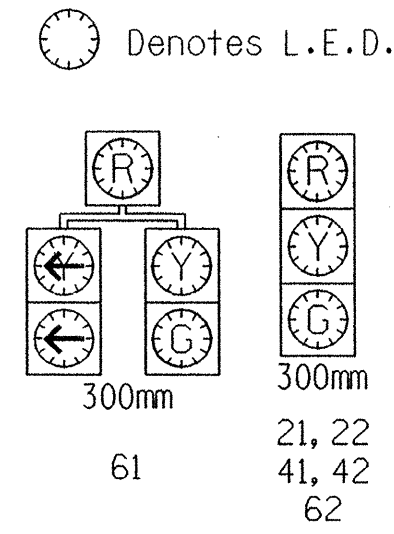


PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- ◄ UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ⇄ PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE			
	01+6	02+6	04	FLUSH
21,22	R	G	R	Y
41,42	R	R	G	R
61	G	G	R	Y
62	G	G	R	Y

SIGNAL FACE I.D.

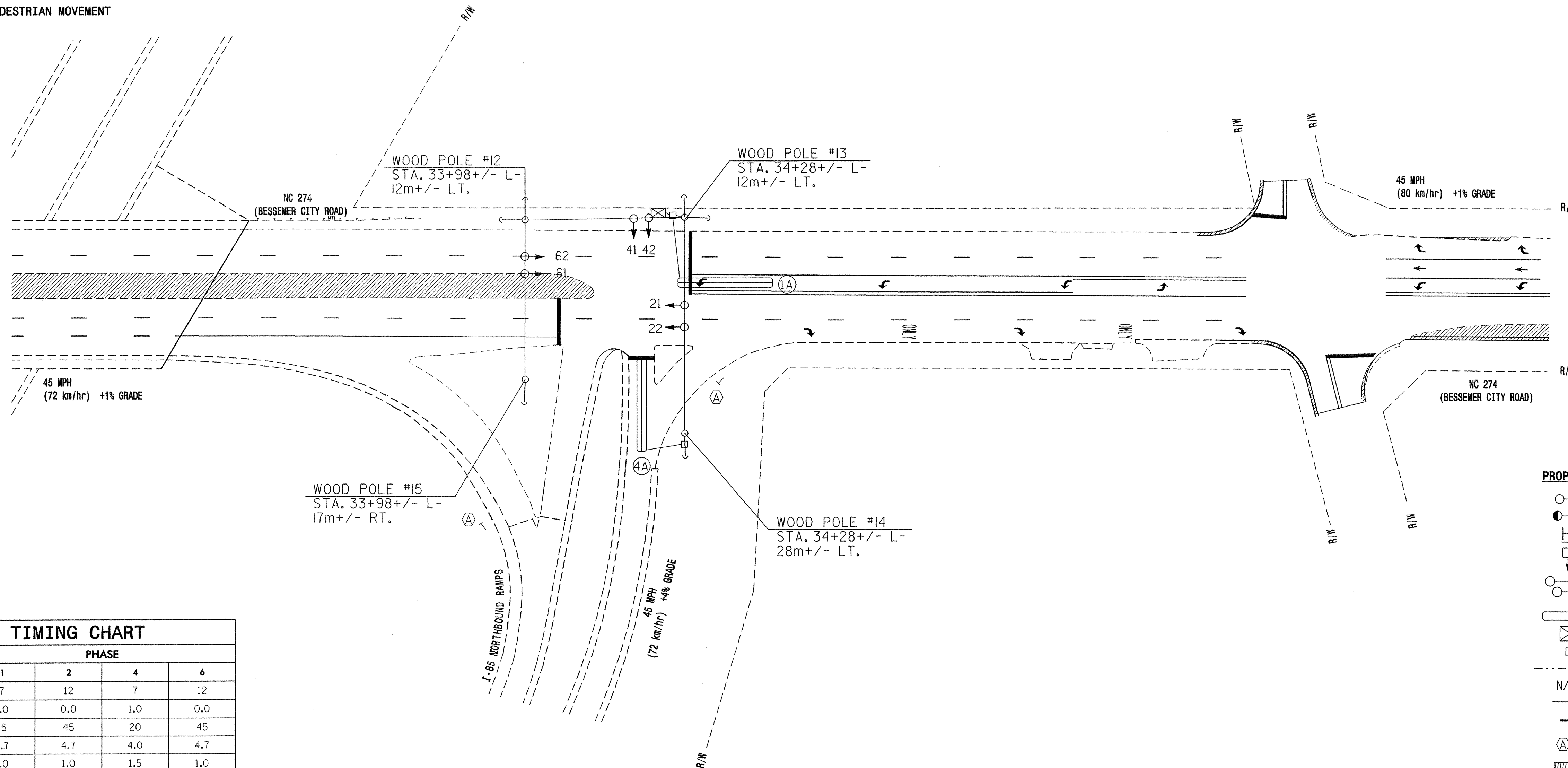


Pay Item	Meters
Signal Cable	140
Messenger Cable	105
Loop Lead-in Cable	80

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.
- Set all detector units to presence mode.
- Do not program for late night flashing operation unless otherwise directed by the engineer.



FEATURE	PHASE			
	1	2	4	6
Min Green 1*	7	12	7	12
Extension 1*	1.0	0.0	1.0	0.0
Max Green 1*	15	45	20	45
Yellow Clearance	4.7	4.7	4.0	4.7
Red Clearance	1.0	1.0	1.5	1.0
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	ON

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	1.8 X 18	2-4-2	+2	Y	1	Y	Y	-	-	-	15	Y
4A	1.8 X 18	2-4-2	0	Y	4	Y	Y	-	-	-	10	Y

PROPOSED		EXISTING	
○	Traffic Signal Head	●	N/A
◐	Modified Signal Head	◐	N/A
⊥	Sign	⊥	N/A
⊥	Pedestrian Signal Head With Push Button & Sign	⊥	N/A
⊥	Signal Pole with Guy	⊥	N/A
⊥	Signal Pole with Sidewalk Guy	⊥	N/A
⊠	Inductive Loop Detector	⊠	N/A
⊠	Controller & Cabinet	⊠	N/A
⊠	Junction Box	⊠	N/A
⊠	50mm Underground Conduit	⊠	N/A
N/A	Right of Way with Marker	⊠	N/A
→	Directional Arrow	→	N/A
→	Pavement Marking Arrow	→	N/A
⊙	"YIELD" Sign (R1-2)	⊙	N/A
▨	Construction Zone	▨	N/A

SIGNAL UPGRADE - TEMPORARY DESIGN 1

Prepared in the Office of:
THE LPA GROUP
 TRANSPORTATION CONSULTANTS
 THE LPA GROUP of North Carolina, p.a.
 4904 PROFESSIONAL COURT, SUITE 201
 Raleigh, North Carolina 27609

	N.C. 274 (BESSEMER CITY ROAD) AT I-85 NORTHBOUND RAMP & LOOP		
	DIVISION 12 GASTON COUNTY	GASTONIA	
PLAN DATE: OCT. 30, 2003	PREPARED BY: RGL	REVIEWED BY: R. DUBNICKA, P.E.	DATE:
SCALE: 1:500	REVISIONS:	INIT.:	DATE:
SIG. INVENTORY NO. 12-0928T1			DATE:

* 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.