PROJECT REFERENCE NO.	SHEET NO.
U-4736	Sig. 93

PHASING DIAGRAM

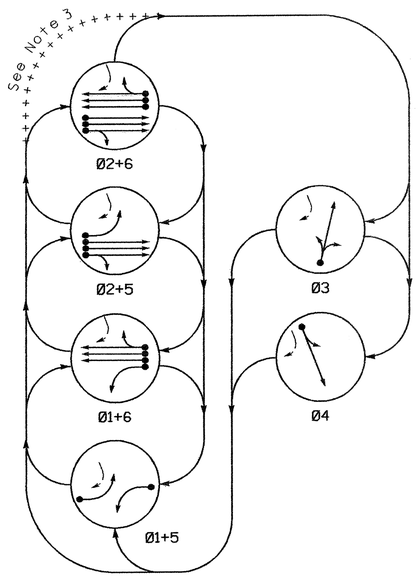


TABLE OF OPERATION

SIGNAL FACE	PHASE 01+5	01+6	02+5	02+6	03	04	FLASH
11	←	←	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~
21,22	R	R	G	G	R	R	Y
31	R	R	R	R	G	R	R
32	R	R	R	R	G	R	R
41	R	R	R	R	G	R	R
42	R	R	R	R	R	G	R
51	←	~~R~~	←	~~R~~	~~R~~	~~R~~	~~R~~
61,62	R	G	R	G	R	R	Y

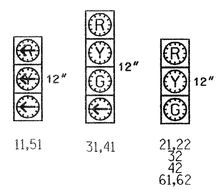
2070L LOOP & DETECTOR INSTALLATION

INDUCTIVE LOOPS					DETECTOR PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	EXISTING	EXISTING	EXISTING	-	1	Y	Y	-	-	-	-	Y
2A, 2B, 2C	EXISTING	EXISTING	EXISTING	-	2	Y	Y	-	-	-	-	Y
3A	EXISTING	EXISTING	EXISTING	-	3	Y	Y	-	-	10	-	Y
4A	EXISTING	EXISTING	EXISTING	-	4	Y	Y	-	-	-	-	Y
5A	EXISTING	EXISTING	EXISTING	-	5	Y	Y	-	-	-	-	Y
6A, 6B, 6C	EXISTING	EXISTING	EXISTING	-	6	Y	Y	-	-	-	-	Y

6 PHASE
Fully Actuated
Gastonia City System

SIGNAL FACE I.D.

Denotes L.E.D.

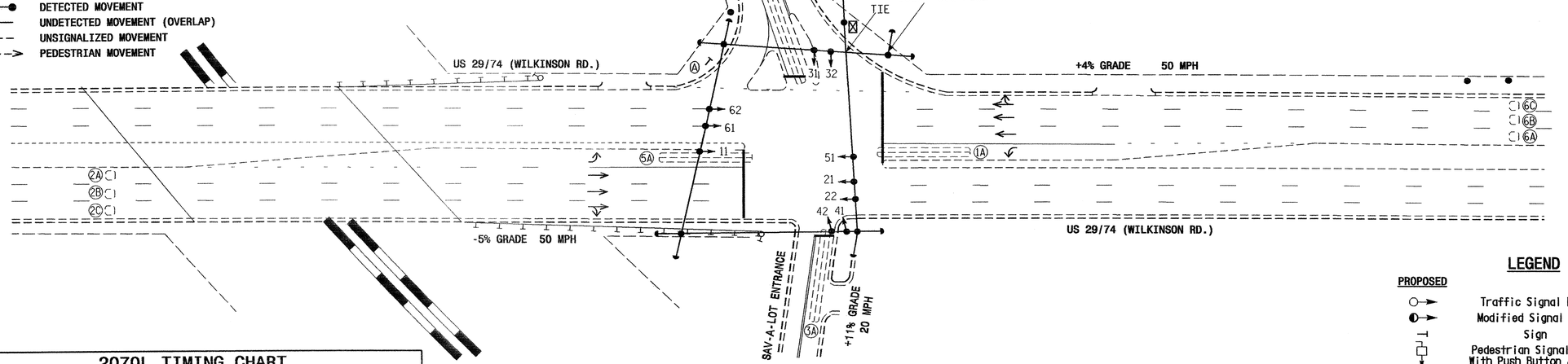


NOTES

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 or phase 5 may be lagged.
4. Set all detector units to presence mode.
5. Pavement markings are existing.
6. City system data: Controller Asset #0080.

PHASING DIAGRAM DETECTION LEGEND

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



LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way with Marker	
	Directional Arrow	
	Pavement Marking Arrow	
	"YIELD" Sign (R1-2)	

2070L TIMING CHART

FEATURE	PHASE 1	2	3	4	5	6
Min Green 1 *	7	14	7	7	7	14
Extension 1 *	1.0	6.0	2.0	1.0	1.0	6.0
Max Green 1 *	20	60	25	25	20	60
Yellow Clearance	4.0	4.7	4.0	4.0	4.0	4.7
Red Clearance	1.7	1.9	3.0	2.4	2.1	1.9
Walk 1 *	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation *	-	1.5	-	-	-	1.5
Max Variable Initial *	-	36	-	-	-	36
Time Before Reduction *	-	15	-	-	-	15
Time To Reduction *	-	30	-	-	-	30
Minimum Gap	-	3.0	-	-	-	3.0
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW
Dual Entry	-	-	-	-	-	-
Simultaneous Gap	ON	ON	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.

SIGNAL UPGRADE:

Prepared in the Offices of:
Traffic Engineering and Safety Systems Branch
Signals and Geometrics Section
122 N. McDowell St., Raleigh, NC 27603

US 29/74 (Wilkinson Blvd.)
at
SR 2213 (Groves St.)/
Randy Marion SAV-A-LOT Entrance

Division 12 Gaston County Gastonia

PLAN DATE:	January 2005	REVIEWED BY:	
PREPARED BY:	NB/TSB	REVIEWED BY:	

REVISIONS	INIT.	DATE

SCALE 0 40 1"=40'

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 022 ENGINEER RICHARD J. MULLINAX
17 FEBRUARY 05

SIGNATURE DATE

SIG. INVENTORY NO. 12-0080

12-MAY-2005 15:35
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