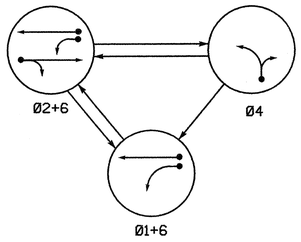
PROJECT REFERENCE NO.	SHEET NO.
R-2911D	SIG 12

3 PHASE
FULLY ACTUATED
(Isolated)

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

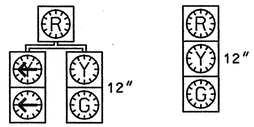
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE Ø1+6	PHASE Ø2+6	PHASE Ø4	FLASH
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.

Denotes L.E.D.



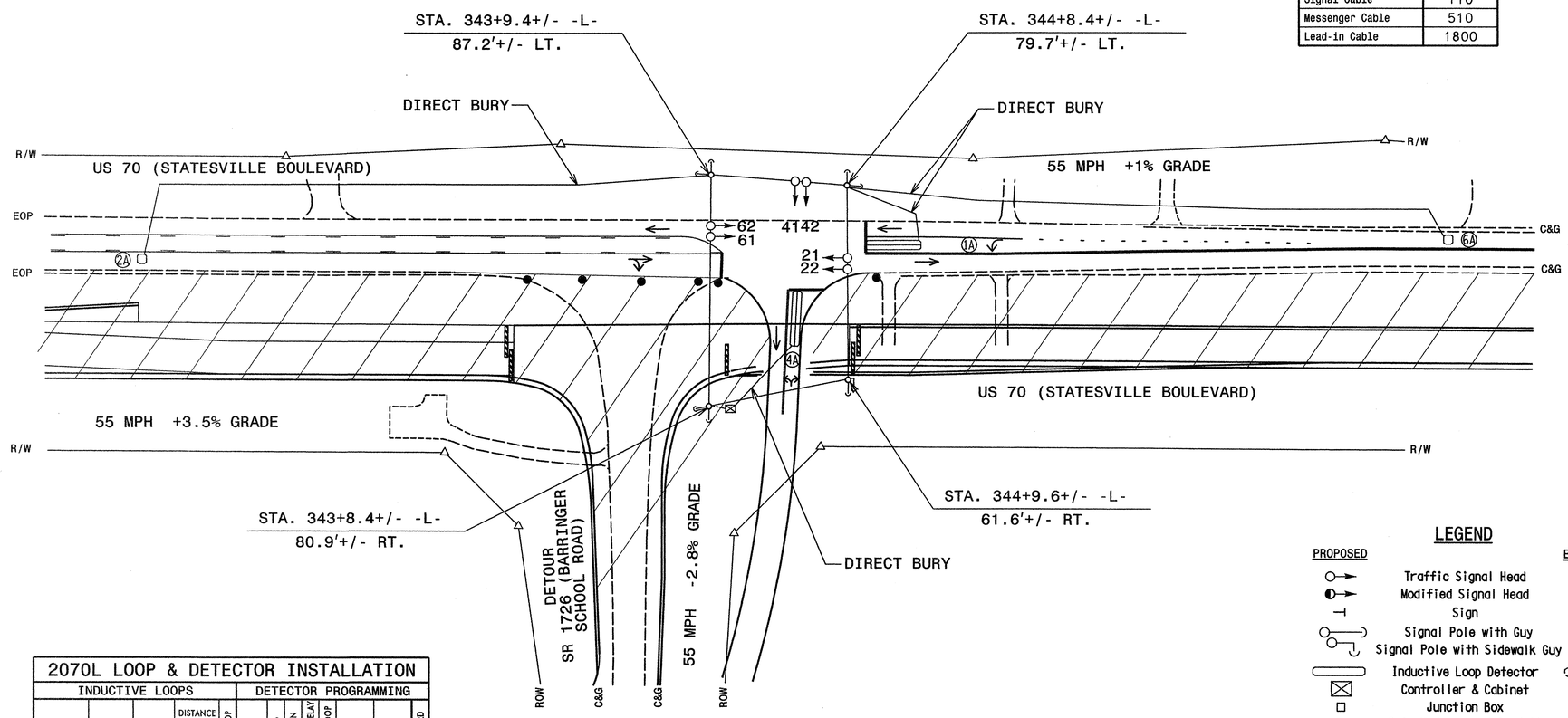
61

21,22
41,42
62

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. Set all detector units to presence mode.

PLAN QUANTITIES	
Pay Item	Feet
Signal Cable	710
Messenger Cable	510
Lead-in Cable	1800



LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	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	
N/A	Construction Zone	

2070L TIMING CHART

FEATURE	PHASE 1	PHASE 2	PHASE 4	PHASE 6
Min Green 1 *	7	14	7	14
Extension 1 *	2.0	6.0	2.0	6.0
Max Green 1 *	20	90	25	90
Yellow Clearance	4.0	5.1	4.0	5.1
Red Clearance	1.5	1.5	1.0	1.5
Walk 1 *	–	–	–	–
Don't Walk 1	–	–	–	–
Seconds Per Actuation *	–	2.5	–	2.5
Max Variable Initial *	–	46	–	46
Time Before Reduction *	–	15	–	15
Time To Reduction *	–	45	–	45
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.

2070L LOOP & DETECTOR INSTALLATION

INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	6X40	2-4-2	0	Y	1	Y	Y	-	-	–	15	Y
					6	Y	Y	Y	–	–	3	Y
2A	6X6	6	420	Y	2	Y	Y	–	–	–	–	Y
4A	6X40	2-4-2	0	Y	4	Y	Y	–	–	–	3	Y
6A	6X6	6	420	Y	6	Y	Y	–	–	–	–	Y

TEMPORARY SIGNAL INSTALLATION - PHASE I

PLAN PREPARED IN THE OFFICE OF:
Kubilins
TRANSPORTATION GROUP, INC.
201 PRODUCTION DR.
2ND FLOOR
YORKTOWN, VA 23693
PH: (757) 594-1419 FAX: (757) 594-9010

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

SCALE
0 50
1"=50'

US 70 (Statesville Boulevard)
at
Detour SR 1728
(Barringer School Road)

DIVISION 9 ROWAN CO. W. OF SALISBURY

PLAN DATE:	OCTOBER 2003	REVIEWED BY:	MAK
PREPARED BY:	CED	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 17464 ENGINEER MARGARET ANN KUBILINS

SIGNATURE DATE 6/1/04

SIG. INVENTORY NO. 09-1065T1