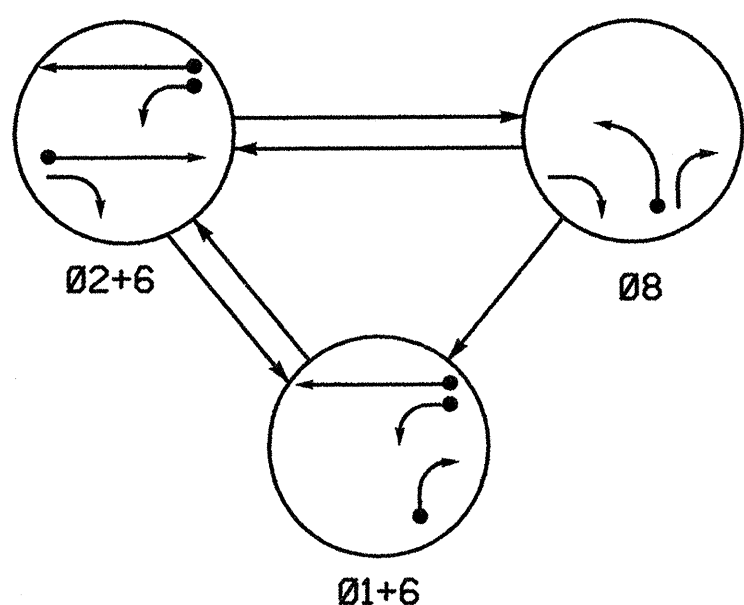


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.

⊙ Denotes L.E.D.

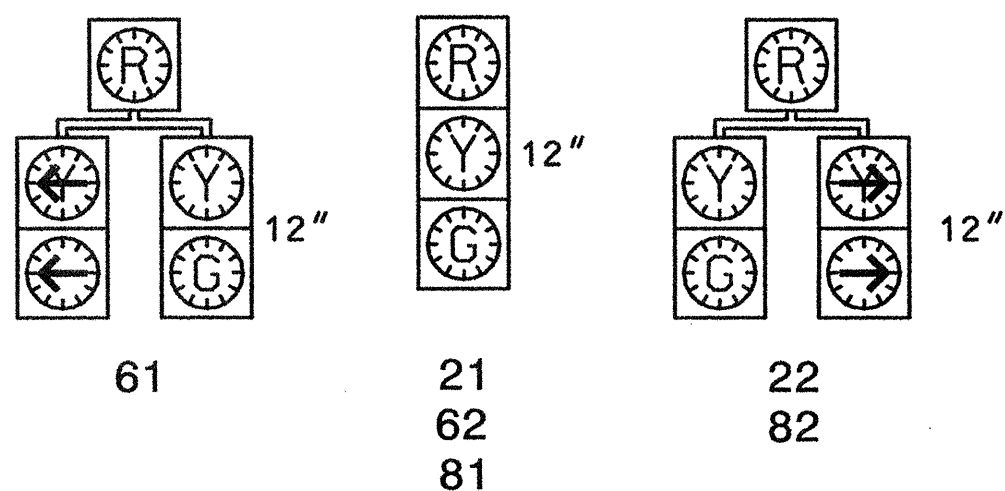


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	1 + 6	2 + 6	8	FLASH
21	R	G	R	Y
22	R	G	R	Y
61	G	G	R	Y
62	G	G	R	Y
81	R	R	G	R
82	R	R	G	R

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
1B	6X40	2-4-2	0	Y	6	Y	Y	-	-	-	3	Y
2A	6X6	6	420	Y	2	Y	Y	-	-	-	-	Y
6A	6X6	6	420	Y	6	Y	Y	-	-	-	-	Y
8A	6X40	2-4-2	0	Y	8	Y	Y	-	-	-	3	Y

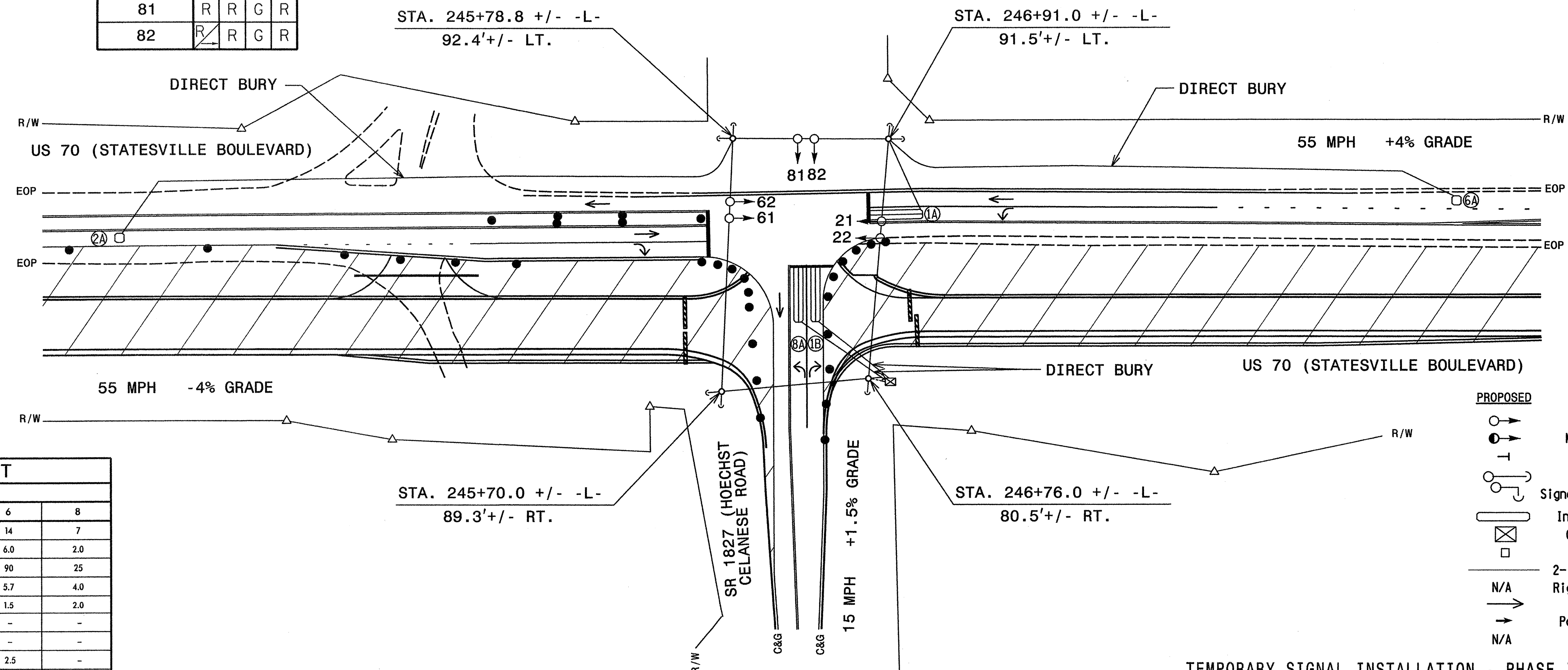
3 PHASE FULLY ACTUATED (Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- Do not program signal for late night flashing operation unless otherwise directed by the engineer.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.

PLAN QUANTITIES

Pay Item	Feet
Signal Cable	760
Messenger Cable	580
Lead-in Cable	1660



FEATURE	PHASE			
	1	2	6	8
Min Green 1 *	7	14	14	7
Extension 1 *	2.0	6.0	6.0	2.0
Max Green 1 *	20	90	90	25
Yellow Clearance	4.0	5.7	5.7	4.0
Red Clearance	1.0	1.5	1.5	2.0
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.

PROPOSED	EXISTING
●	●
○	N/A
+	+
○	○
○	○
⊗	⊗
⊠	⊠
⊠	⊠
N/A	→
→	→
→	→
N/A	///

PLAN PREPARED IN THE OFFICE OF:  
*Kubilins*  
TRANSPORTATION GROUP, INC.  
201 PRODUCTION DR.  
2ND FLOOR  
YORKTOWN, VA 23693  
PH: (757) 594-4119 FAX: (757) 594-9010

TEMPORARY SIGNAL INSTALLATION - PHASE I

US 70 (Statesville Boulevard) at NC 801/SR 1827 (Hoechst Celanese Road)

DIVISION 9 ROWAN CO. W. OF SALISBURY

PLAN DATE: JULY 2004 PREPARED BY: CED REVIEWED BY: MAK

122 N. McDowell St., Raleigh, NC 27603

SCALE 1"=50'

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17464

SIGNATURE: [Signature] DATE: 10/24/04

SIG. INVENTORY NO. 09-0374T1