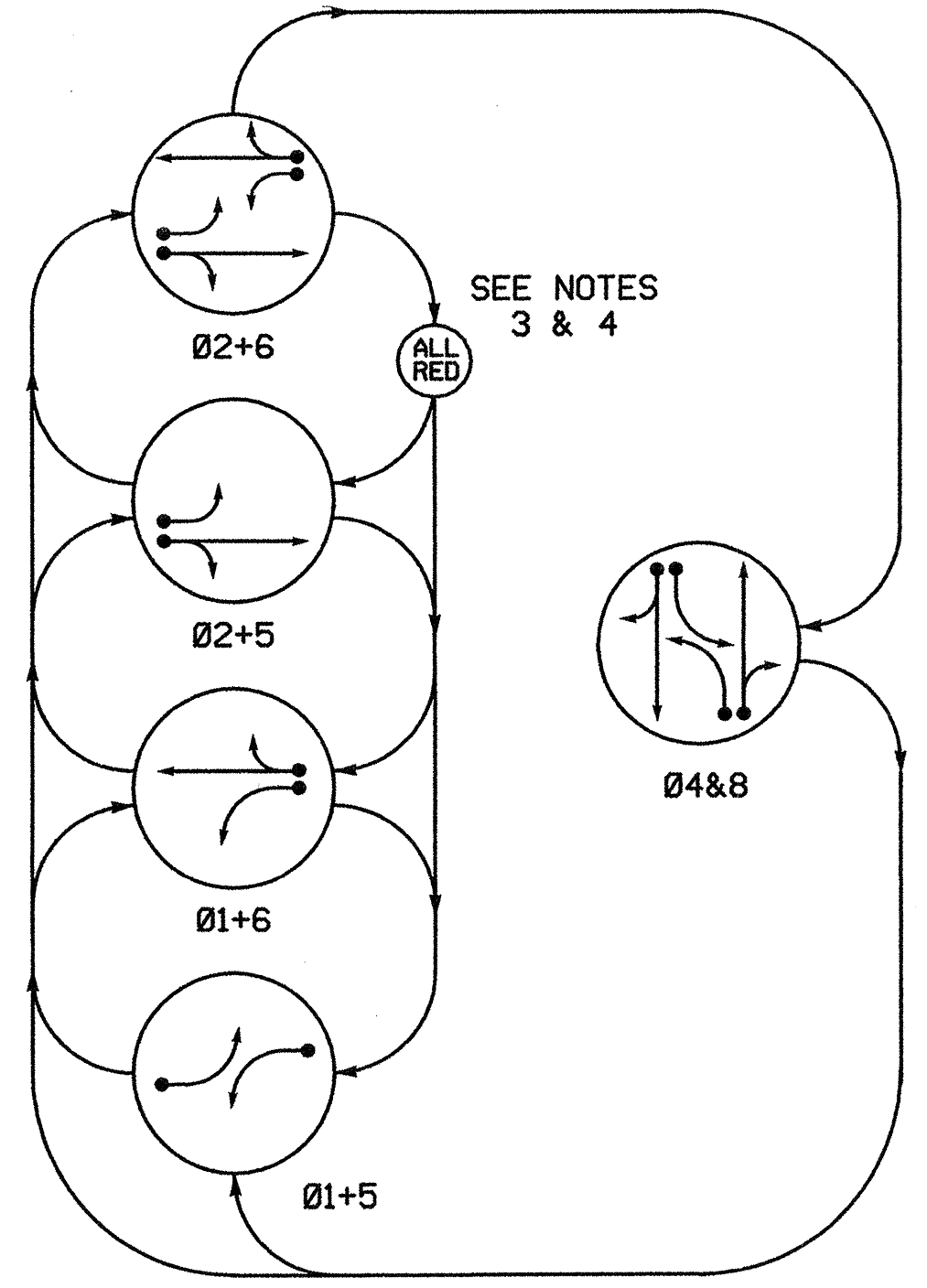
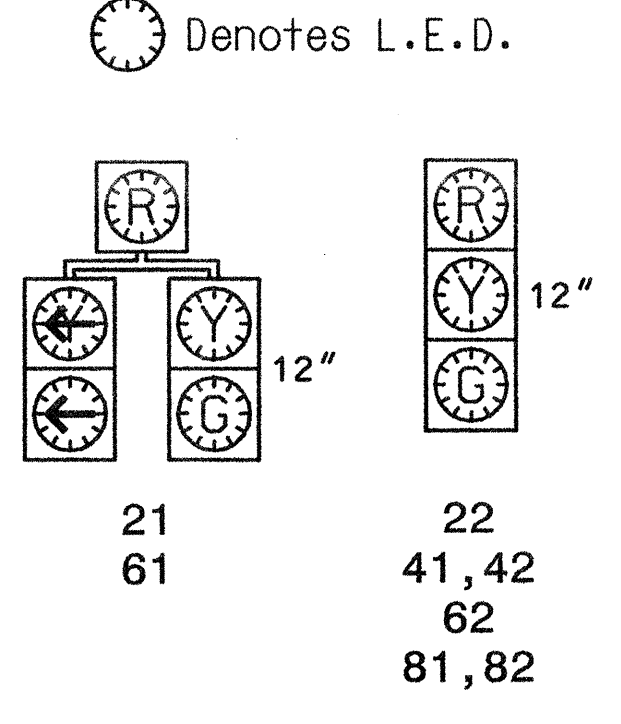


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND  
 ← DETECTED MOVEMENT  
 ← UNDETECTED MOVEMENT (OVERLAP)  
 ← UNSIGNALIZED MOVEMENT  
 ← PEDESTRIAN MOVEMENT

SIGNAL FACE I.D.



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	-
2A	6X6	6	420	Y	2	Y	Y	-	-	-	3	-
4A	6X40	2-4-2	0	Y	4	Y	Y	-	-	-	3	Y
4B	6X40	2-4-2	0	Y	4	Y	Y	-	-	-	10	Y
5A	6X40	2-4-2	0	Y	2	Y	Y	-	-	-	3	Y
6A	6X6	6	420	Y	6	Y	Y	-	-	-	-	-
8A	6X60	2-4-2	0	Y	8	Y	Y	-	-	-	3	-
8B	6X60	2-4-2	0	Y	8	Y	Y	-	-	-	10	-

TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	FLASH
21	R	R	G	G	R	Y
22	R	R	G	G	R	Y
41, 42	R	R	R	R	G	R
61	R	G	R	G	R	Y
62	R	G	R	G	R	Y
81, 82	R	R	R	R	G	R

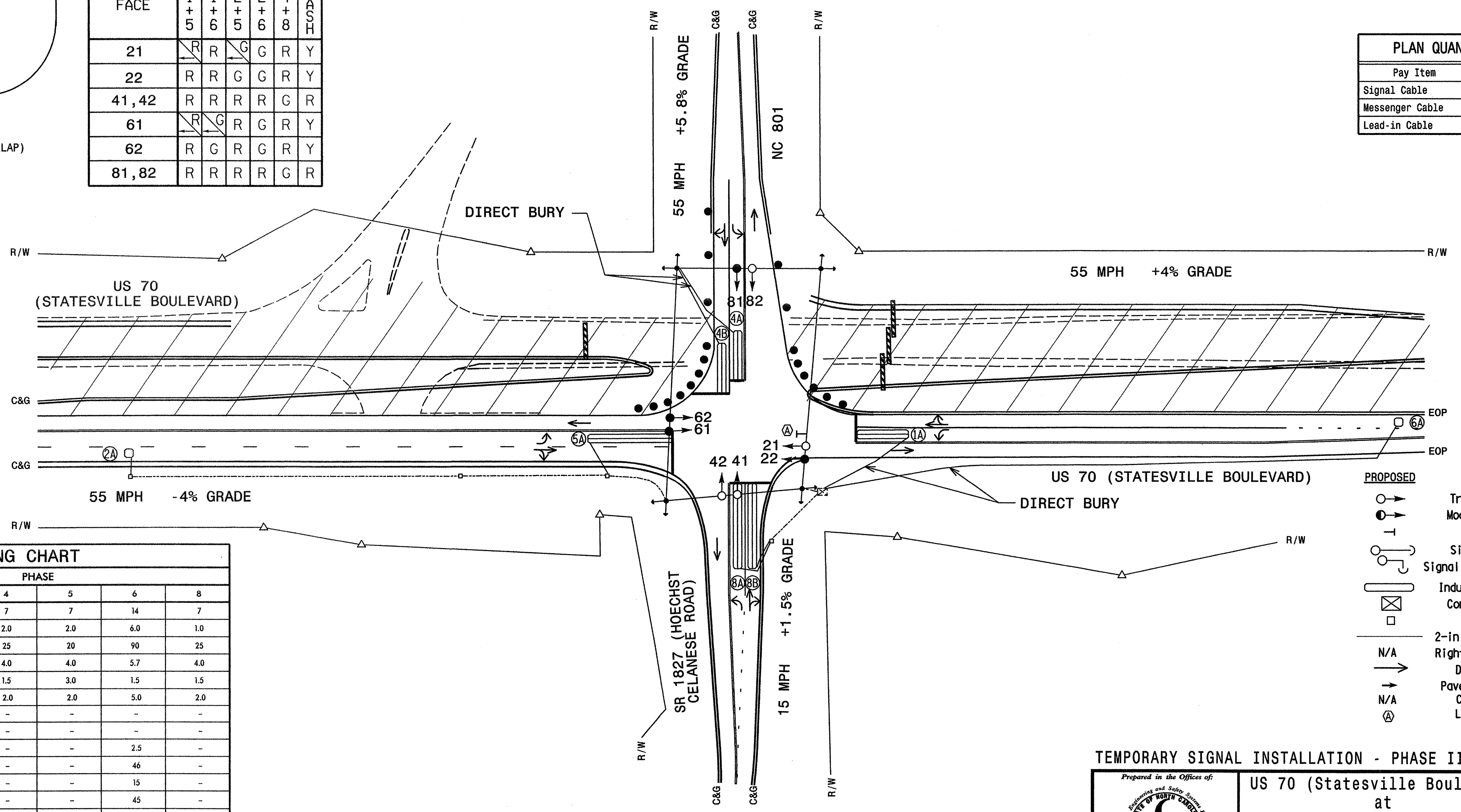
5 PHASE FULLY ACTUATED (Isolated)

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.
- Enable backup protect for phase 2 to allow the controller to clear from phase 2+6 to phase 5 by progressing through all red.
- Enable backup protect for phase 6 to allow the controller to clear from phase 2+6 to phase 1 by progressing through all red.
- Set all detector units to presence mode.

PLAN QUANTITIES

Pay Item	Feet
Signal Cable	120
Messenger Cable	0
Lead-in Cable	1320



LEGEND

- | PROPOSED                          | EXISTING                          |
|-----------------------------------|-----------------------------------|
| ○ → Traffic Signal Head           | ● → Traffic Signal Head           |
| ○ → Modified Signal Head          | N/A                               |
| —   Sign                          | —   Sign                          |
| ○ → Signal Pole with Guy          | ● → Signal Pole with Guy          |
| ○ → Signal Pole with Sidewalk Guy | ● → Signal Pole with Sidewalk Guy |
| ⊠ Inductive Loop Detector         | ⊠ Inductive Loop Detector         |
| ⊠ Controller & Cabinet            | ⊠ Controller & Cabinet            |
| ⊠ Junction Box                    | ⊠ Junction Box                    |
| — 2-in Underground Conduit        | — 2-in Underground Conduit        |
| N/A Right of Way with Marker      | △ Right of Way with Marker        |
| → Directional Arrow               | → Directional Arrow               |
| N/A Pavement Marking Arrow        | → Pavement Marking Arrow          |
| N/A Construction Zone             | /// Construction Zone             |
| ⊙ Left Arrow "ONLY" Sign (R3-5L)  | ⊙ Left Arrow "ONLY" Sign (R3-5L)  |

2070L TIMING CHART

FEATURE	PHASE					
	1	2	4	5	6	8
Min Green 1*	7	14	7	7	14	7
Extension 1*	2.0	6.0	2.0	2.0	6.0	1.0
Max Green 1*	20	90	25	20	90	25
Yellow Clearance	4.0	5.7	4.0	4.0	5.7	4.0
Red Clearance	3.0	1.5	1.5	3.0	1.5	1.5
Red Revert	2.0	5.0	2.0	2.0	5.0	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	-	-	ON	-	-	ON
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.

TEMPORARY SIGNAL INSTALLATION - PHASE II & III

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

US 70 (Statesville Boulevard)  
 at  
 NC 801/SR 1827  
 (Hoechst Celanese Road)  
 DIVISION 9 ROWAN CO. W. OF SALISBURY  
 PLAN DATE: JULY 2004 REVIEWED BY: MAK  
 PREPARED BY: CED REVIEWED BY:  
 REVISIONS INIT. DATE

SIG. INVENTORY NO. 09-0374T2