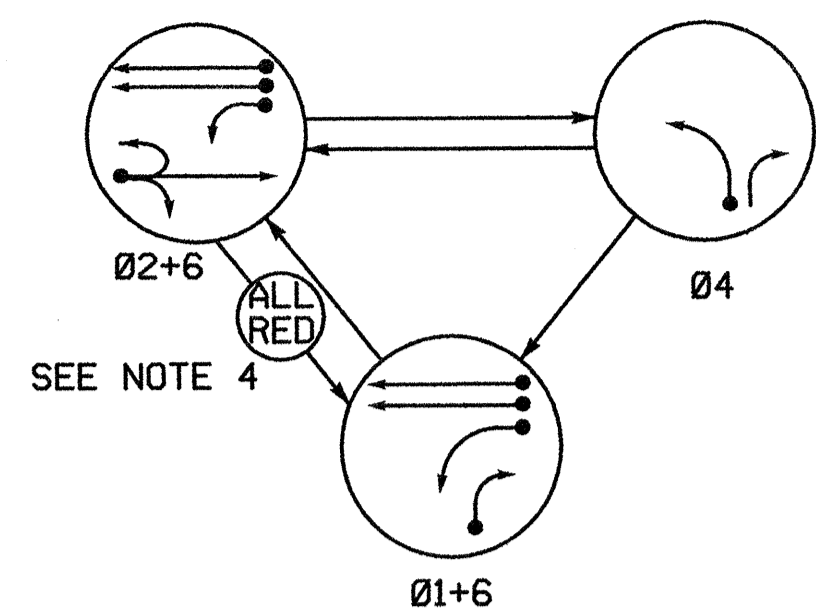


PHASING DIAGRAM

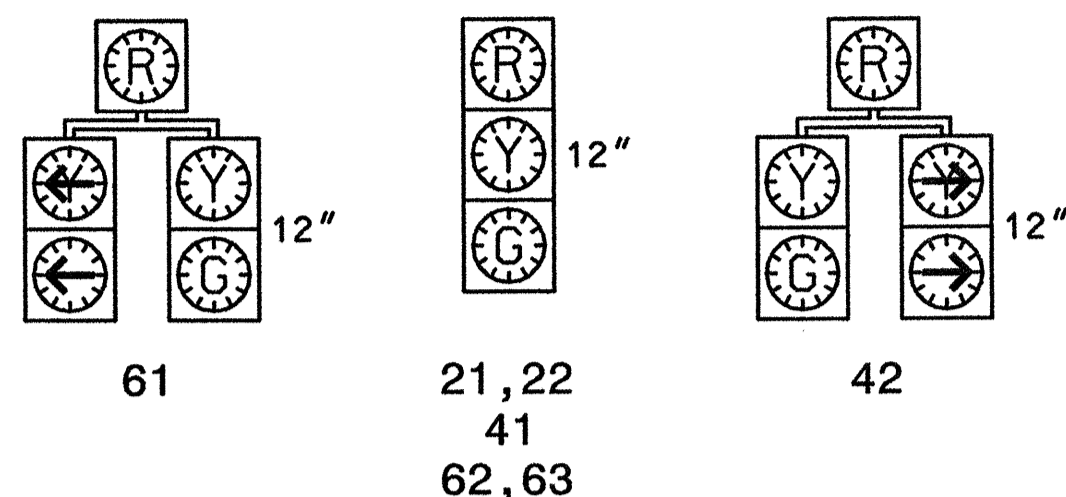


PHASING DIAGRAM DETECTION LEGEND  
 ● DETECTED MOVEMENT  
 ○ UNDETECTED MOVEMENT (OVERLAP)  
 - UNSIGNALIZED MOVEMENT  
 - PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE			
	Ø 1 + 6	Ø 2 + 6	Ø 4	FLASH
21, 22	R	G	R	Y
41	R	R	G	R
42	R	R	G	R
61	G	G	R	Y
62, 63	G	G	R	Y

SIGNAL FACE I.D.

⊙ Denotes L.E.D.

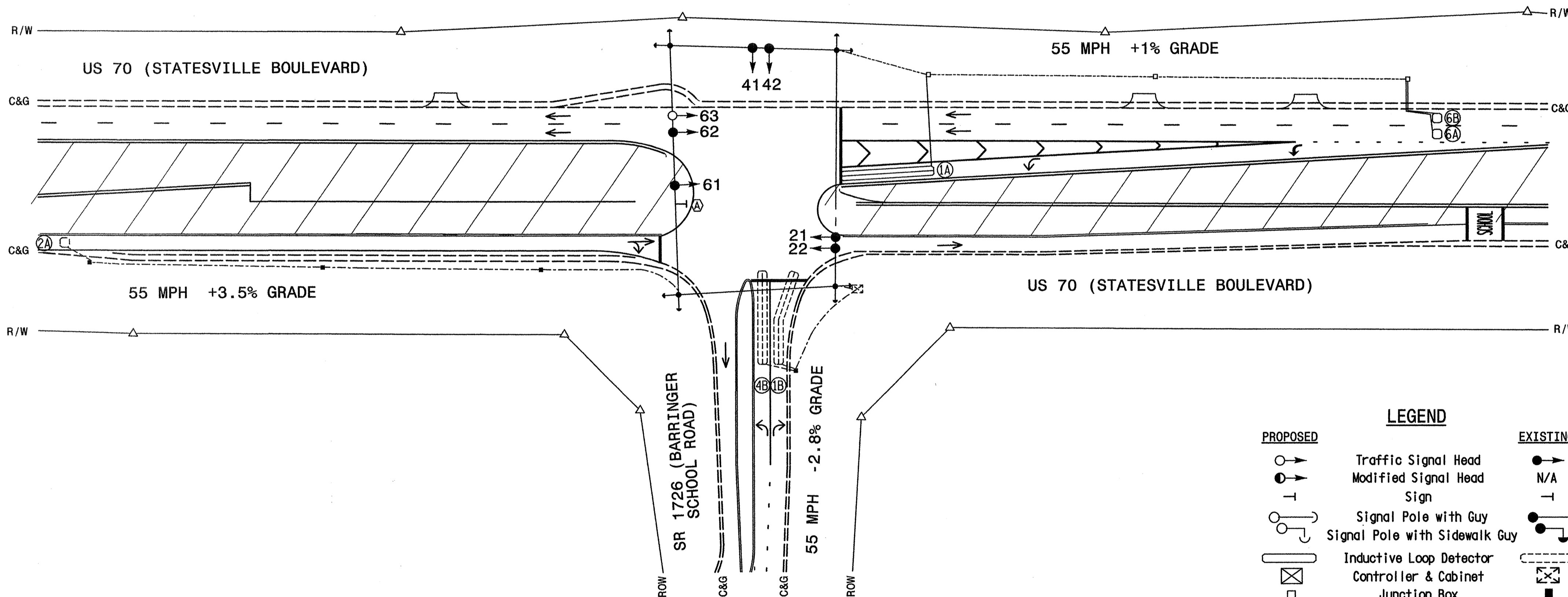


3 PHASE FULLY ACTUATED (Isolated)

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.
- Enable backup protect for phase 6 to allow the controller to clear from phase 2+6 to phase 1 by progressing through all red.

PLAN QUANTITIES	
Pay Item	Feet
Signal Cable	20
Messenger Cable	0
Lead-in Cable	950



LEGEND

- |     |   |     |   |
|-----|---|-----|---|
| ○   | PROPOSED Traffic Signal Head                        | ●   | EXISTING Traffic Signal Head                        |
| ⊙   | PROPOSED Modified Signal Head                       | N/A | EXISTING Modified Signal Head                       |
| -   | PROPOSED Sign                                       | -   | EXISTING Sign                                       |
| ○-  | PROPOSED Signal Pole with Guy                       | ●-  | EXISTING Signal Pole with Guy                       |
| ○-  | PROPOSED Signal Pole with Sidewalk Guy              | ●-  | EXISTING Signal Pole with Sidewalk Guy              |
| ⊠   | PROPOSED Inductive Loop Detector                    | ⊠   | EXISTING Inductive Loop Detector                    |
| ⊠   | PROPOSED Controller & Cabinet                       | ⊠   | EXISTING Controller & Cabinet                       |
| ⊠   | PROPOSED Junction Box                               | ⊠   | EXISTING Junction Box                               |
| -   | PROPOSED 2-in Underground Conduit                   | -   | EXISTING 2-in Underground Conduit                   |
| N/A | PROPOSED Right of Way with Marker                   | △   | EXISTING Right of Way with Marker                   |
| →   | PROPOSED Directional Arrow                          | →   | EXISTING Directional Arrow                          |
| →   | PROPOSED Pavement Marking Arrow                     | →   | EXISTING Pavement Marking Arrow                     |
| ⊙   | PROPOSED "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) | ⊙   | EXISTING "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) |

2070L TIMING CHART

FEATURE	PHASE			
	1	2	4	6
Min Green 1 *	7	14	7	14
Extension 1 *	1.0	6.0	1.0	6.0
Max Green 1 *	20	90	25	90
Yellow Clearance	4.0	5.1	4.0	5.1
Red Clearance	2.5	1.5	3.0	1.5
Red Revert	2.0	2.0	2.0	5.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	2.5	-	1.5
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

2070L LOOP & DETECTOR INSTALLATION

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING							
	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	6X60	2-4-2	0	Y	1	Y	Y	-	-	15	-
1B	6X60	2-4-2	0	-	1	Y	Y	-	-	10	-
2A	6X6	6	420	-	2	Y	Y	-	-	-	-
4B	6X60	2-4-2	0	-	4	Y	Y	-	-	-	-
6A	6X6	6	420	Y	6	Y	Y	-	-	-	Y
6B	6X6	6	420	Y	6	Y	Y	-	-	-	-

\* 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 INSTALLATION - PHASE III

TRANSPORTATION GROUP, INC.  
 201 PRODUCTION DR.  
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 YORKTOWN, VA 23693  
 PH: (757) 594-1489 FAX: (757) 594-9010

Prepared in the Offices of:  
  
 122 N. McDowell St., Raleigh, NC 27603

US 70 (Statesville Boulevard)  
 at  
 SR 1728  
 (Barringer School Road)  
 DIVISION 9 ROWAN CO. W. OF SALISBURY  
 PLAN DATE: JULY 2004 REVIEWED BY: MAK  
 PREPARED BY: CED REVIEWED BY:

SEAL  
  
 ANN KUBILINS  
 ENGINEER  
 10/4/04  
 SIGNATURE DATE  
 SIG. INVENTORY NO. 09-106573

SCALE 0 50  
 1" = 50'