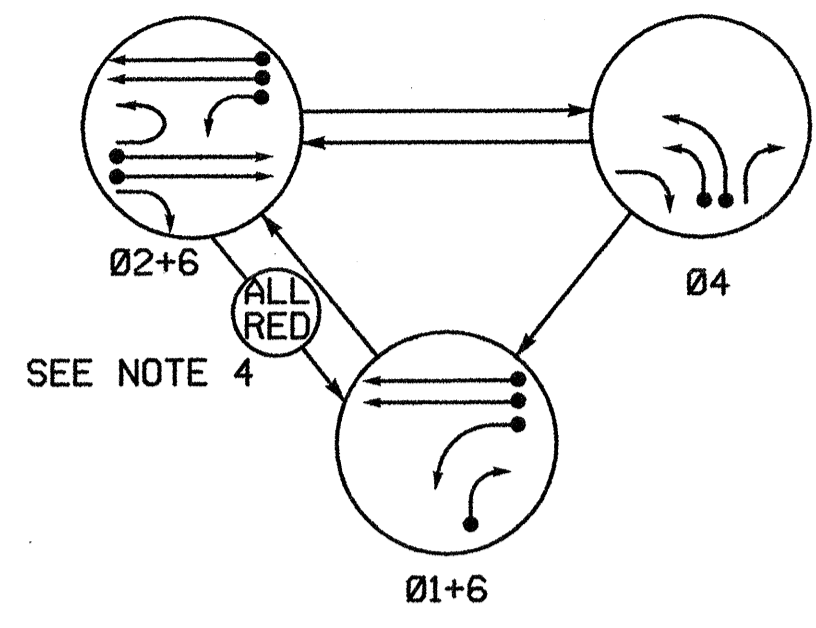


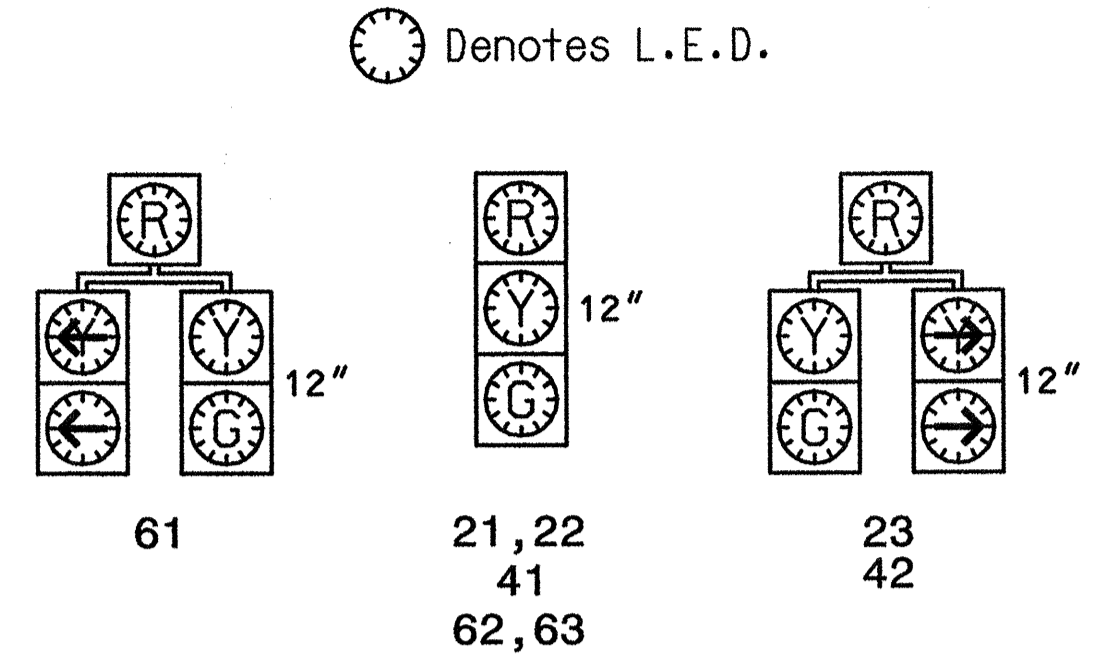
PHASING DIAGRAM



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
23	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.

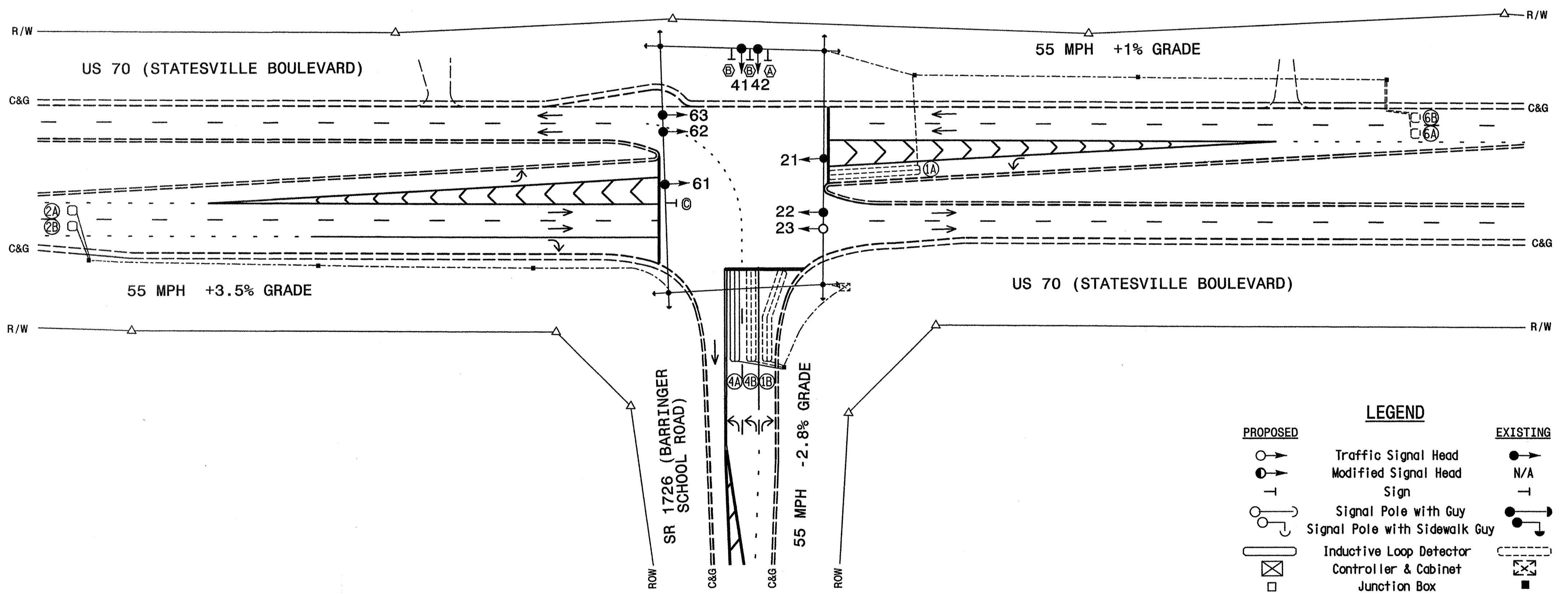


3 PHASE FULLY ACTUATED (Isolated)

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	910



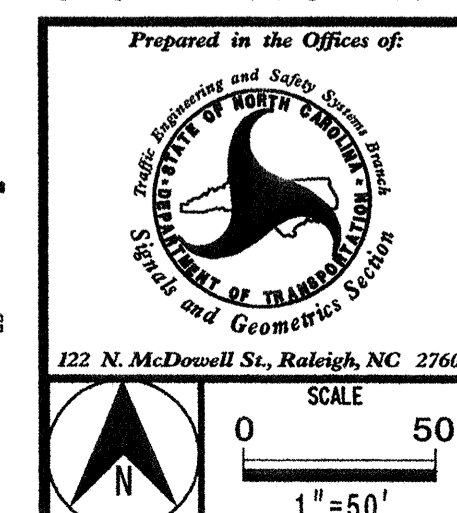
FEATURE	PHASE			
	1	2	4	6
Min Green 1 *	7	14	7	14
Extension 1 *	1.0	6.0	1.0	6.0
Max Green 1 *	20	90	25	90
Yellow Clearance	4.0	5.1	4.0	5.1
Red Clearance	2.5	1.5	3.0	1.5
Red Revert	2.0	2.0	2.0	5.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	1.5	-	1.5
Max Variable Initial *	-	46	-	46
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													
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	6x60	2-4-2	0	-	1	Y	Y	-	-	-	15	-	
1B	6x60	2-4-2	0	-	1	Y	Y	-	-	-	10	-	
2A	6x6	6	420	Y	2	Y	Y	-	-	-	-	Y	
2B	6x6	6	420	Y	2	Y	Y	-	-	-	-	-	
4A	6x60	2-4-2	0	Y	4	Y	Y	-	-	-	3	Y	
4B	6x60	2-4-2	0	-	4	Y	Y	-	-	-	-	-	
6A	6x6	6	420	-	6	Y	Y	-	-	-	-	-	
6B	6x6	6	420	-	6	Y	Y	-	-	-	-	-	

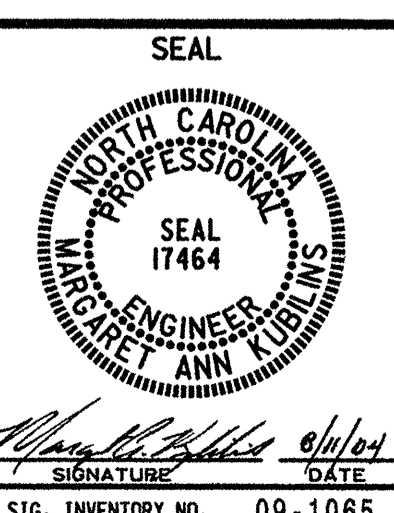
PROPOSED		EXISTING	
○	Traffic Signal Head	●	Traffic Signal Head
○	Modified Signal Head	N/A	Modified Signal Head
-	Signal Pole with Guy	-	Signal Pole with Guy
-	Signal Pole with Sidewalk Guy	-	Signal Pole with Sidewalk Guy
⊗	Inductive Loop Detector	⊗	Inductive Loop Detector
⊠	Controller & Cabinet	⊠	Controller & 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
→	Pavement Marking Arrow	→	Pavement Marking Arrow
Ⓐ	Right Arrow "ONLY" Sign (R3-SR)	Ⓐ	Right Arrow "ONLY" Sign (R3-SR)
Ⓑ	Left Arrow "ONLY" Sign (R3-SL)	Ⓑ	Left Arrow "ONLY" Sign (R3-SL)
Ⓒ	"U-TURN YIELD TO RIGHT TURN" Sign (R10-16)	Ⓒ	"U-TURN YIELD TO RIGHT TURN" Sign (R10-16)

SIGNAL INSTALLATION - FINAL

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



US 70 (Statesville Boulevard)
 at
 SR 1726
 (Barringer School Road)
 DIVISION 9
 ROWAN CO. W. OF SALISBURY
 PLAN DATE: JULY 2004
 PREPARED BY: CED
 REVIEWED BY: MAK



* 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.