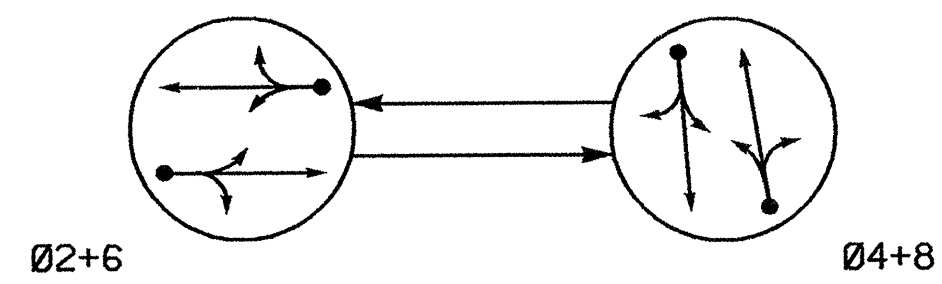


PHASING DIAGRAM



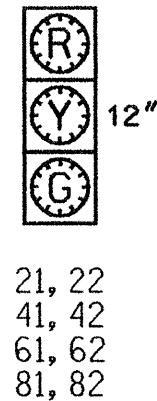
PHASING DIAGRAM DETECTION LEGEND

- ←●→ DETECTED MOVEMENT
- ←→ UNDETECTED MOVEMENT (OVERLAP)
- - - UNSIGNALIZED MOVEMENT
- ←- - - -> PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE		
	Ø2+6	Ø4+8	F LASH
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.

⊙ Denotes L.E.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
4A	6x6	5	420	Y	4	-	Y	-	-	4.0	-	Y
4B	6x60	2-4-2	0	Y	4	Y	Y	-	-	-	5	Y
8A	6x6	5	420	Y	8	-	Y	-	-	4.0	-	Y
8B	6x60	2-4-2	0	Y	8	Y	Y	-	-	-	5	Y
8C	6x15	4	0	Y	8	Y	Y	-	-	-	10	Y

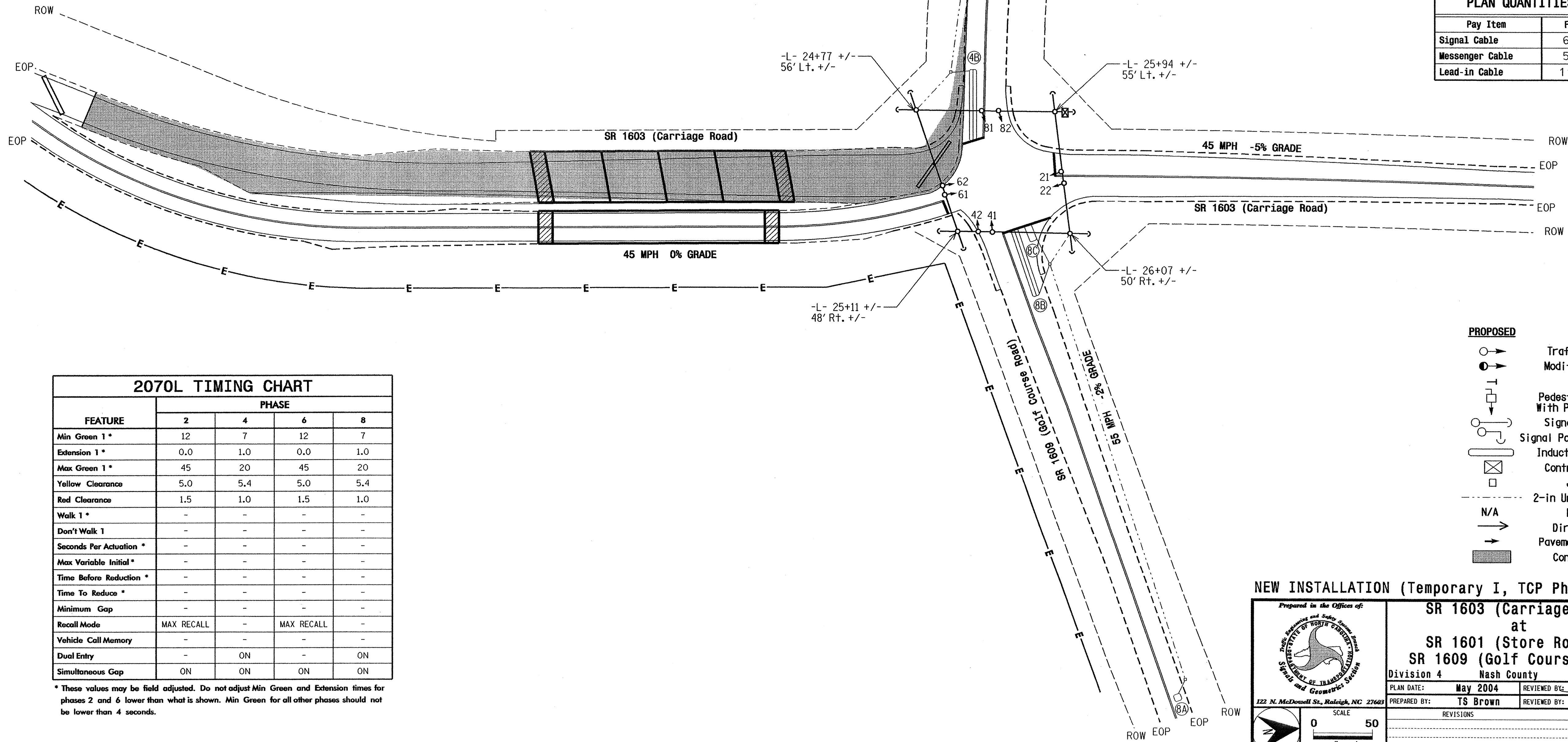
**2 Phase
Semi-Actuated
Isolated**

NOTES

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

PLAN QUANTITIES

Pay Item	Feet
Signal Cable	670
Messenger Cable	510
Lead-in Cable	1190



FEATURE	2070L TIMING CHART			
	PHASE			
	2	4	6	8
Min Green 1*	12	7	12	7
Extension 1*	0.0	1.0	0.0	1.0
Max Green 1*	45	20	45	20
Yellow Clearance	5.0	5.4	5.0	5.4
Red Clearance	1.5	1.0	1.5	1.0
Walk 1*	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation*	-	-	-	-
Max Variable Initial*	-	-	-	-
Time Before Reduction*	-	-	-	-
Time To Reduce*	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX RECALL	-	MAX RECALL	-
Vehicle Call Memory	-	-	-	-
Dual Entry	-	ON	-	ON
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.

LEGEND	
PROPOSED	EXISTING
⊙	●
⊙→	N/A
T	T
⊙	⊙
⊙	⊙
⊙	⊙
⊙	⊙
⊙	⊙
⊙	⊙
N/A	→
→	→
→	→
→	N/A

NEW INSTALLATION (Temporary I, TCP Phase II)

	SR 1603 (Carriage Road) at SR 1601 (Store Road) & SR 1609 (Golf Course Road)		
	Division 4 Nash County Red Oak		
PREPARED BY: TS Brown	REVIEWED BY: [Signature]	PLAN DATE: May 2004	REVIEWED DATE: [Signature]
REVISIONS:	INIT.:	DATE:	SIGNATURE: [Signature] DATE: 5/24/04
SCALE: 1" = 50'			SIG. INVENTORY NO. 04-1030 T

20-MAY-2004 14:40
 W:\proj\04-1030\04-1030\04-1030\04-1030.dgn
 JSC:lwj