

8-Phase Fully Actuated (Isolated)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 or phase 5 may be lagged.
4. Phase 3 or phase 7 may be lagged.
5. Set all detector units to presence mode.

PLAN QUANTITIES

Pay Item	Feet
Signal Cable	1260
Messenger Cable	320
Lead-in Cable	3750

LEGEND

- PROPOSED**
- Traffic Signal Head
 - Modified Signal Head
 - Sign
 - Pedestrian Signal Head With Push Button & Sign
 - Signal Pole with Guy
 - Signal Pole with Sidewalk Guy
 - ⊗ Inductive Loop Detector
 - Controller & Cabinet
 - Junction Box
 - 2-in Underground Conduit
 - Right of Way
 - Directional Arrow
 - Pavement Marking Arrow
- EXISTING**
- N/A
 - N/A
 - N/A
 - N/A
 - N/A
 - N/A
 - N/A
 - N/A
 - N/A
 - N/A

PHASING DIAGRAM

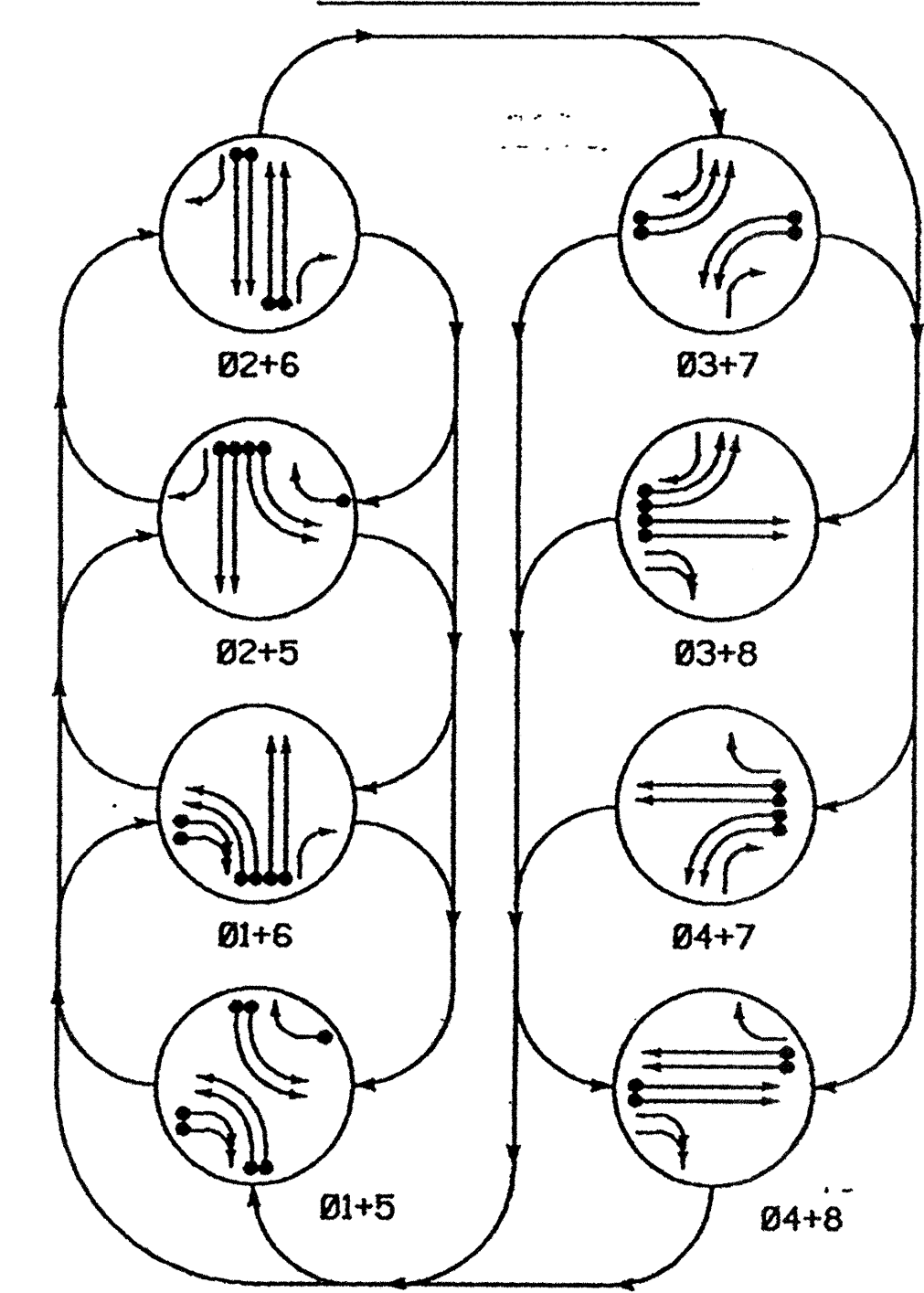
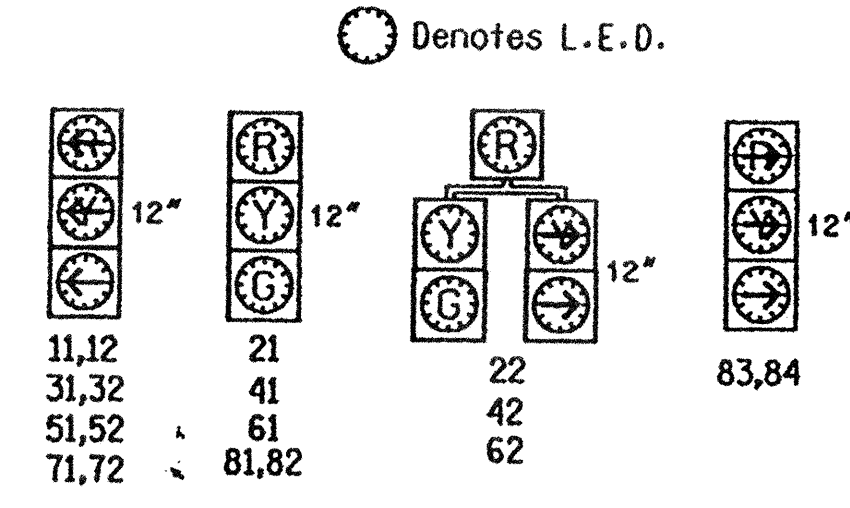


TABLE OF OPERATION

SIGNAL FACE	PHASE							
	01+5	02+6	03+7	04+8	01+6	02+5	03+8	04+7
11,12	—	—	R	R	R	R	R	—
21	R	R	G	G	R	R	R	Y
22	R	R	G	G	R	R	R	Y
31,32	R	R	R	R	—	—	—	—
41	R	R	R	R	R	R	G	G
42	R	R	R	R	R	R	G	G
51,52	R	R	R	R	R	R	R	R
61	R	G	R	G	R	R	R	Y
62	R	G	R	G	R	R	R	Y
71,72	R	R	R	R	—	—	—	—
81,82	R	R	R	R	R	G	R	G
83,84	—	—	—	—	—	—	—	—

SIGNAL FACE I.D.

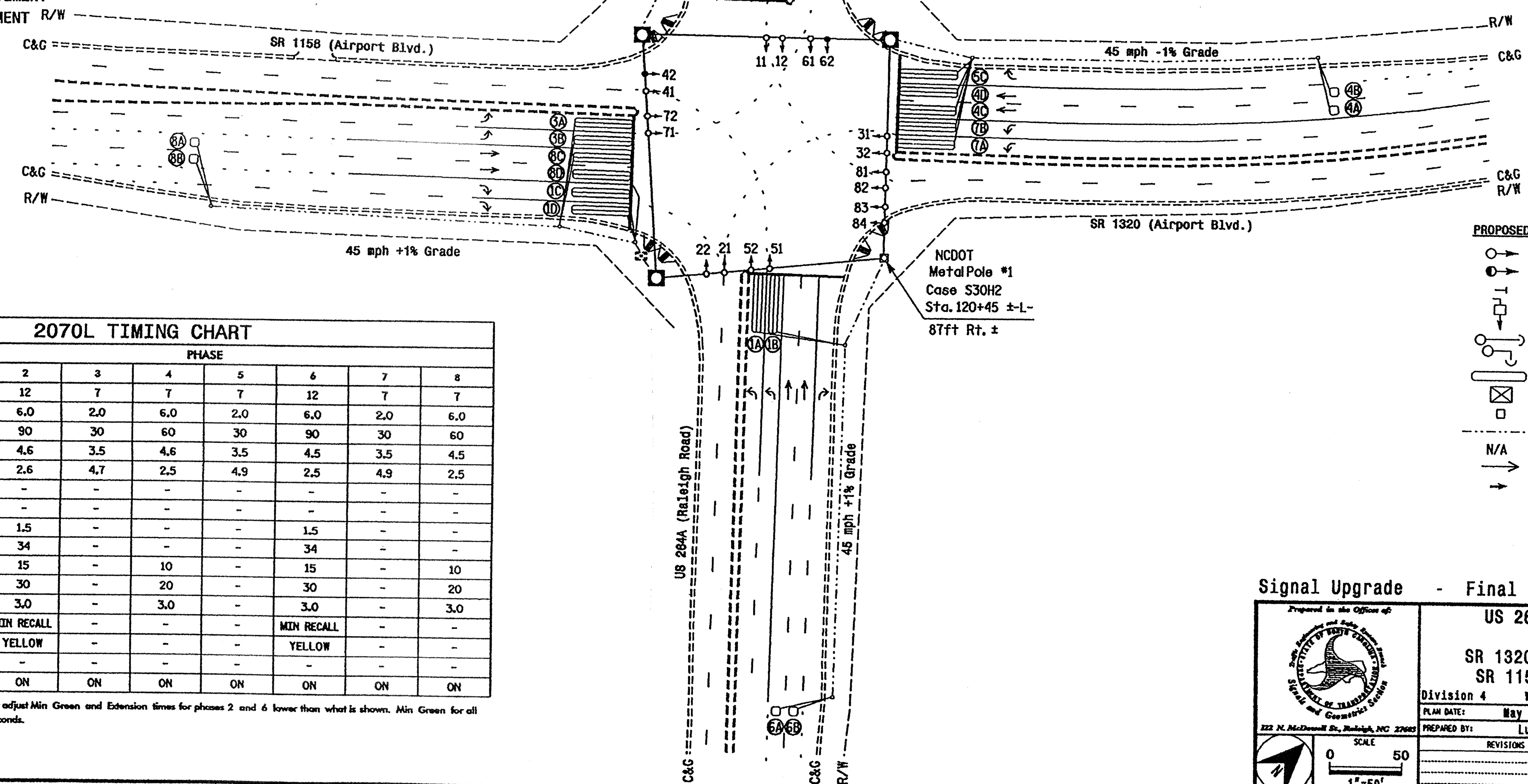


2070 LOOP & DETECTOR INSTALLATION

LOOP	SIZE (FT)	INDUCTIVE LOOPS		NEW LOOP	DETECTOR PROGRAMMING			STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
		DISTANCE FROM STOPBAR (FT)	TURNS		PHASE	CALLING EXTENSION	FULL TIME DELAY				
1A	6X40	0	2-4-2	Y	1	Y	Y	—	—	—	—
1B	6X40	0	2-4-2	Y	1	Y	Y	—	—	—	—
1C	6X40	0	2-4-2	Y	1	Y	Y	—	10	—	—
1D	6X40	0	2-4-2	Y	1	Y	Y	—	15	—	Y
2A	6X6	300	6	Y	2	Y	Y	—	—	—	—
2B	6X6	300	6	Y	2	Y	Y	—	—	—	—
3A	6X40	0	2-4-2	Y	3	Y	Y	—	—	—	—
3B	6X40	0	2-4-2	Y	3	Y	Y	—	—	—	—
4A	6X6	300	6	Y	4	—	Y	—	—	—	—
4B	6X6	300	6	Y	4	—	Y	—	—	—	—
4C	6X40	0	2-4-2	Y	4	Y	Y	2.0	5	—	—
4D	6X40	0	2-4-2	Y	4	Y	Y	2.0	5	—	—
5A	6X40	0	2-4-2	Y	5	Y	Y	—	—	—	—
5B	6X40	0	2-4-2	Y	5	Y	Y	—	—	—	—
5C	6X40	0	2-4-2	Y	5	Y	Y	—	10	—	Y
6A	6X6	300	6	Y	6	Y	Y	—	—	—	—
6B	6X6	300	6	Y	6	Y	Y	—	—	—	—
7A	6X40	0	2-4-2	Y	7	Y	Y	—	—	—	—
7B	6X40	0	2-4-2	Y	7	Y	Y	—	—	—	—
8A	6X6	300	4	Y	8	—	Y	—	—	—	—
8B	6X6	300	4	Y	8	—	Y	—	—	—	—
8C	6X40	0	2-4-2	Y	8	Y	Y	2.0	5	—	—
8D	6X40	0	2-4-2	Y	8	Y	Y	2.0	5	—	—

PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT R/W




2070L TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1*	7	12	7	7	7	12	7	7
Extension 1*	2.0	6.0	2.0	6.0	2.0	6.0	2.0	6.0
Max Green 1*	30	90	30	60	30	90	30	60
Yellow Clearance	3.5	4.6	3.5	4.6	3.5	4.5	3.5	4.5
Red Clearance	5.1	2.6	4.7	2.5	4.9	2.5	4.9	2.5
Walk 1*	—	—	—	—	—	—	—	—
Don't Walk 1	—	—	—	—	—	—	—	—
Seconds Per Actuation*	—	1.5	—	—	—	1.5	—	—
Max Variable Initial*	—	34	—	—	—	34	—	—
Time Before Reduction*	—	15	—	10	—	15	—	10
Time To Reduce*	—	30	—	20	—	30	—	20
Minimum Gap	—	3.0	—	3.0	—	3.0	—	3.0
Recall Mode	—	MIN RECALL	—	—	—	MIN RECALL	—	—
Vehicle Call Memory	—	YELLOW	—	—	—	YELLOW	—	—
Dual Entry	—	—	—	—	—	—	—	—
Simultaneous Gap	ON	ON	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.

Signal Upgrade - Final

Prepared in the Office of

 222 N. McDowell St., Raleigh, NC 27602

US 264A (Raleigh Road) at SR 1320 (Airport Blvd.) / SR 1158 (Airport Blvd.)

Division 4 Wilson County Wilson
 PLAN DATE: May 2005 REVIEWED BY: T.J. Williams
 PREPARED BY: Luff REVIEWED BY:

SEAL

 T.J. Williams 5/27/05

SCALE 0 50 1"=50'

REVISIONS: INIT. DATE

SG. INVENTORY NO. 04-0478

DT-JUN-2005 10:46
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