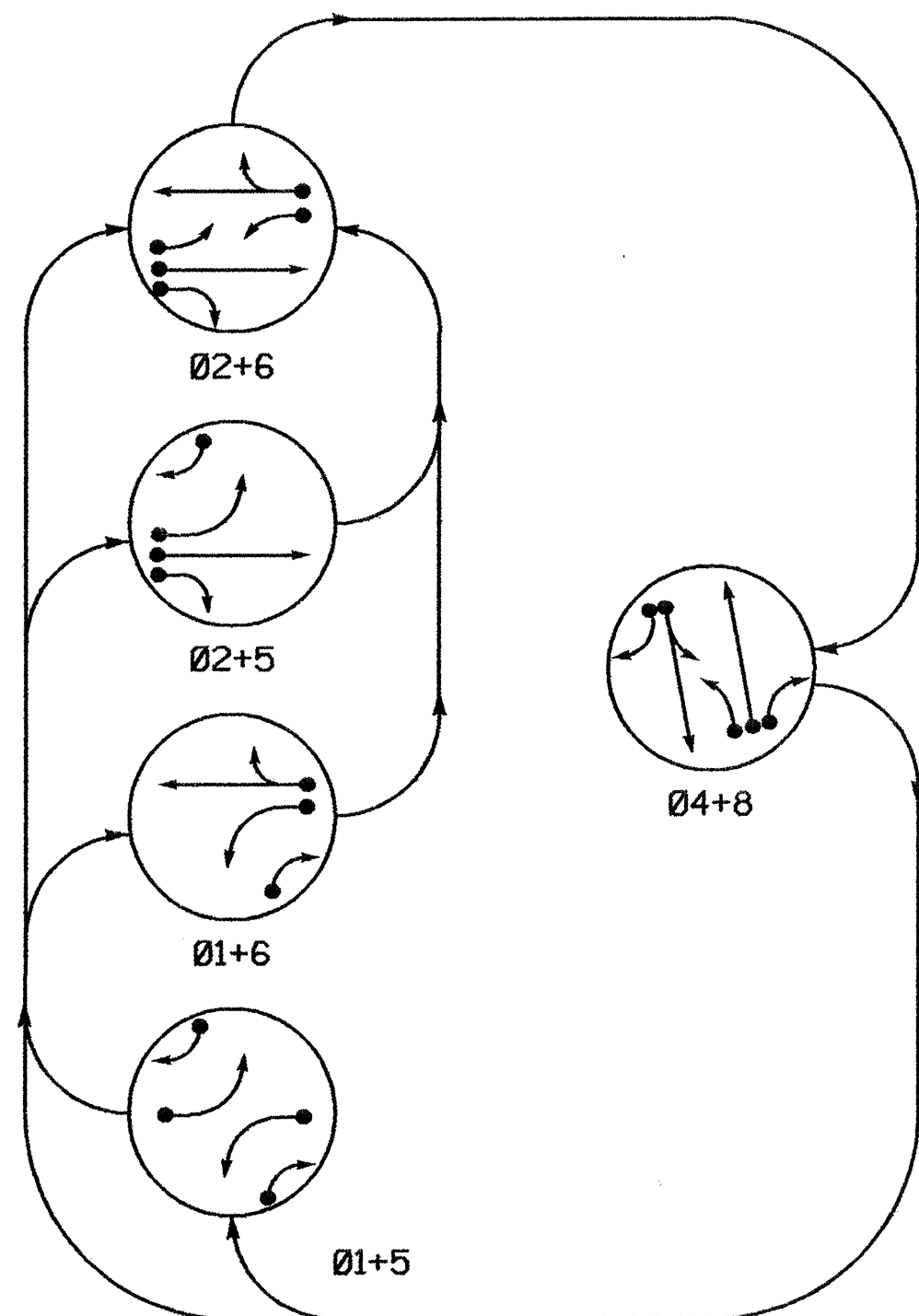
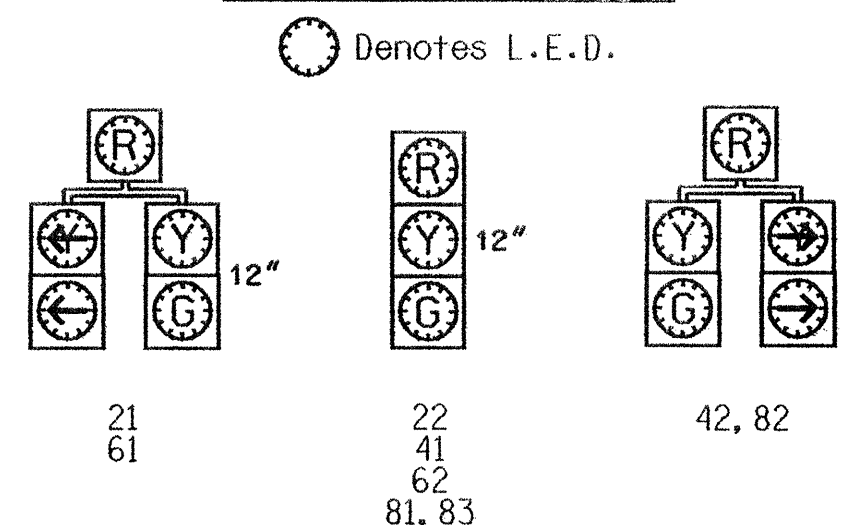


PHASING DIAGRAM



SIGNAL FACE	PHASE					
	Ø1+5	Ø1+6	Ø2+5	Ø2+6	Ø4+8	PEDESTRIAN
21	R	R	G	G	R	Y
22	R	R	G	G	R	Y
41	R	R	R	R	G	R
42	R	R	R	R	G	R
61	R	G	R	G	R	Y
62	R	G	R	G	R	Y
81, 83	R	R	R	R	G	R
82	R	R	R	R	G	R

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	6X60	2-4-2	0	Y	1	Y	Y	-	-	-	20	-
2A	6X6	6	420	Y	2	Y	Y	-	-	2.3	-	-
2B	6X6	5	110	Y	2	Y	Y	-	-	-	-	-
4A	6X60	2-4-2	0	Y	4	Y	Y	-	-	-	3	-
4B	6X60	2-4-2	0	Y	4	Y	Y	-	-	-	15	Y
5A	6X60	2-4-2	0	Y	5	Y	Y	-	-	-	20	-
6A	6X6	6	420	Y	6	Y	Y	-	-	2.3	-	-
6B	6X6	5	110	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	-	-	-	-	Y
8C	6X60	2-4-2	0	Y	8	Y	Y	-	-	-	15	Y

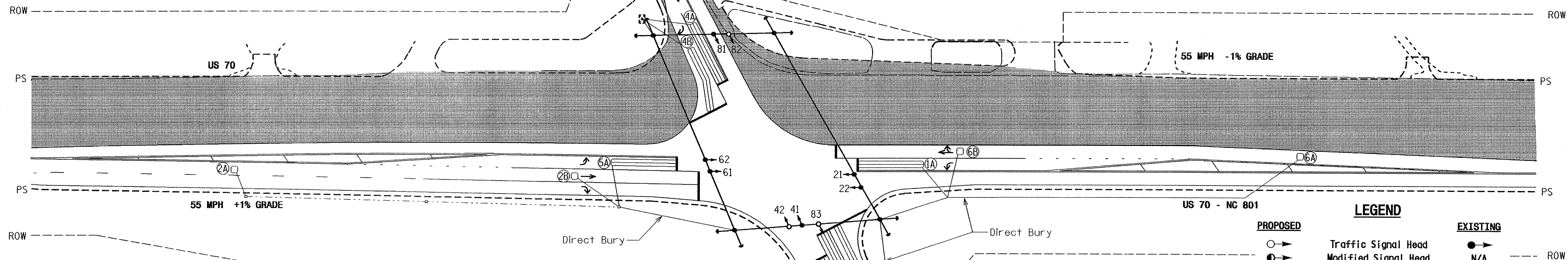
5 Phase Fully Actuated Isolated

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. Reposition existing signal heads numbered 21, 22, 61, and 62.
4. Omit phase 1 during phase 2 on.
5. Omit phase 5 during phase 6 on.
6. Program controller to clear from phase 2+6 to phase 1 and/or 5 by progressing through phase 4+8 (see Electrical Details).
7. Set all detector units to presence mode.

PHASING DIAGRAM DETECTION LEGEND

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



FEATURE	PHASE					
	1	2	4	5	6	8
Min Green 1*	7	14	7	7	14	7
Extension 1*	1.0	2.0	1.0	1.0	2.0	1.0
Max Green 1*	20	60	20	20	60	20
Yellow Clearance	4.0	5.2	5.2	4.0	5.2	5.2
Red Clearance	2.0	1.5	2.0	2.0	1.5	2.0
Walk 1*	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation*	-	-	-	-	-	-
Max Variable Initial*	-	-	-	-	-	-
Time Before Reduction*	-	-	-	-	-	-
Time To Reduce*	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-
Dual Entry	-	-	ON	-	-	ON
Simultaneous Gap	ON	ON	ON	ON	ON	ON

PLAN QUANTITIES	
Pay Item	Feet
Signal Cable	330
Messenger Cable	0
Lead-in Cable	2740

LEGEND

	PROPOSED Traffic Signal Head		EXISTING Traffic Signal Head
	PROPOSED Modified Signal Head		EXISTING Modified Signal Head
	PROPOSED Pedestrian Signal Head		EXISTING Pedestrian Signal Head
	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
	PROPOSED Right of Way		EXISTING Right of Way
	PROPOSED Directional Arrow		EXISTING Directional Arrow
	PROPOSED Pavement Marking Arrow		EXISTING Pavement Marking Arrow
	PROPOSED Construction Zone		EXISTING Construction Zone

Signal Upgrade TCP Phase II

Prepared in the Office of:

US 70 & NC 801 at NC 801 & SR 1958

Division 9 Rowan County S. of Barber
 PLAN DATE: July 2004 REVIEWED BY: JP Galloway
 PREPARED BY: TS Brown REVIEWED BY:

REVISIONS: _____ INIT. DATE

SCALE: 1"=50'

Signature: *Timothy J. Williams* 7/20/04
 SEAL: 24393
 SIO. INVENTORY NO. 09-0708 T2

07 JUL 2004 14:52
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* 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.