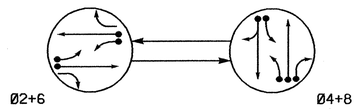
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION			
SIGNAL FACE	PHASE Ø2+6	PHASE Ø4+8	FLASH
21, 22	G	R	Y
41, 42, 43	R	G	R
61, 62	G	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.

Denotes L.E.D.

21, 22
41, 42, 43
61, 62
81, 82

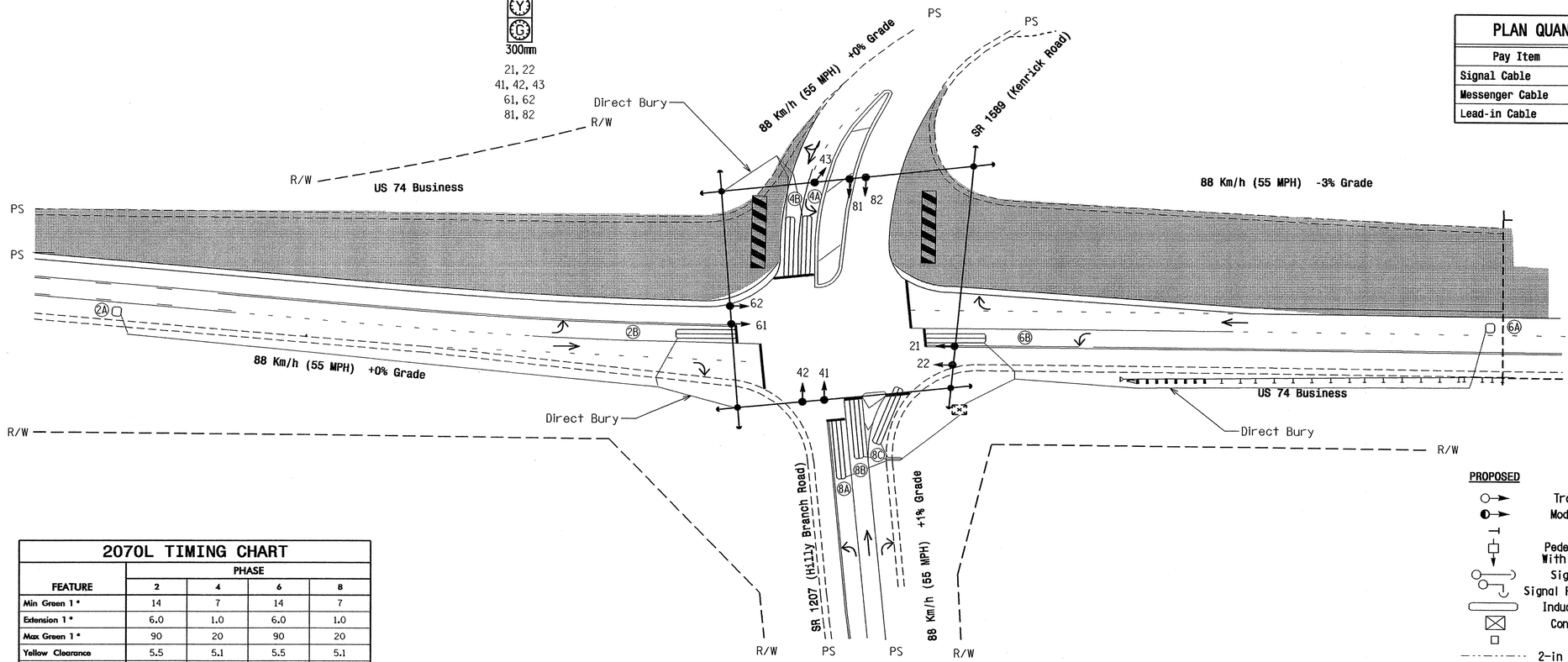
2070L LOOP & DETECTOR INSTALLATION												
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (M)	TURNS	DISTANCE FROM STOPBAR (M)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
2A	1.8X1.8	6	130	X	2	Y	Y	-	-	-	-	-
2B	1.8X12	2-4-2	0	X	2	Y	Y	Y	-	-	3	Y
4A	1.8X12	2-4-2	0	X	4	Y	Y	-	-	-	-	-
4B	1.8X12	2-4-2	0	X	4	Y	Y	-	-	-	10	-
6A	1.8X1.8	6	115	X	6	Y	Y	-	-	-	-	-
6B	1.8X12	2-4-2	0	X	6	Y	Y	Y	-	-	3	Y
8A	1.8X12	2-4-2	0	X	8	Y	Y	-	-	-	3	-
8B	1.8X12	2-4-2	0	X	8	Y	Y	-	-	-	-	-
8C	1.8X12	2-4-2	0	X	8	Y	Y	-	-	-	15	-

2 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. Set all detector units to presence mode.

PLAN QUANTITIES	
Pay Item	Meters
Signal Cable	0
Messenger Cable	0
Lead-in Cable	530



LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	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	
N/A	Right of Way with Marker	
	Directional Arrow	
	Pavement Marking Arrow	
	Construction Zone	

New Installation (Temporary 2 Phase II)
To Be Removed Upon Project Completion

2070L TIMING CHART				
	PHASE			
FEATURE	2	4	6	8
Min Green 1 *	14	7	14	7
Extension 1 *	6.0	1.0	6.0	1.0
Max Green 1 *	90	20	90	20
Yellow Clearance	5.5	5.1	5.5	5.1
Red Clearance	1.5	1.5	1.5	1.5
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	2.5	-	2.5	-
Max Variable Initial *	48	-	43	-
Time Before Reduction *	15	-	15	-
Time To Reduce *	45	-	45	-
Minimum Gap	3.4	-	3.0	-
Recall Mode	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	YELLOW	-	YELLOW	-
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.

Prepared in the Offices of:
Traffic Engineering and Safety Systems Branch
NCDEPARTMENT OF TRANSPORTATION
Signals and Geometrics Section
122 N. McDonald St., Raleigh, NC 27603

SCALE 5 0 10 1:500

US 74 Business
At
SR 1207 (Hilly Branch Road)/
SR 1589 (Kenrick Road)

Division 6 Robeson County Lumberton

PLAN DATE: February 2004 REVIEWED BY:
PREPARED BY: JGalloway REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 24393 ENGINEER TIMOTHY J. WILLIAMS
SIGNATURE 3/9/04 DATE

SIG. INVENTORY NO. 06-1114 T2

08-JUN-2004 14:00
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jgalloway