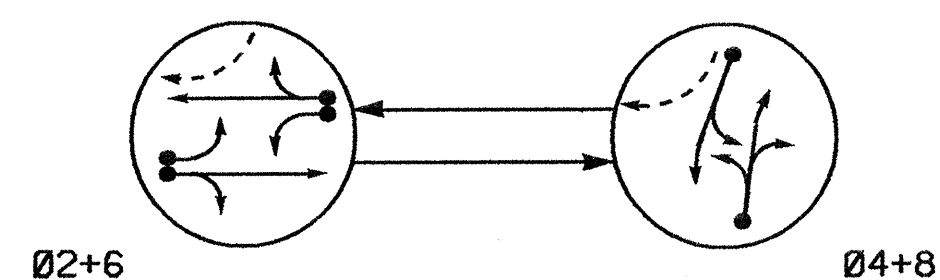


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

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

LOOP	INDUCTIVE LOOPS				DETECTOR PROGRAMMING							
	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	4	20	Y	2	Y	Y	-	-	-	-	Y
2B	1.8X1.8	2-4-2	0	Y	2	Y	Y	-	-	-	-	Y
4A	1.8X1.8	2-4-2	0	Y	4	Y	Y	-	-	-	3	Y
6A	1.8X1.8	4	20	Y	6	Y	Y	-	-	-	-	Y
6B	1.8X1.8	2-4-2	0	Y	6	Y	Y	-	-	-	-	Y
8A	1.8X1.8	2-4-2	0	Y	8	Y	Y	-	-	-	10	Y

2 Phase Fully Actuated (Isolated)

NOTES

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

PLAN QUANTITIES

Pay Item	Meters
Signal Cable	180
Messenger Cable	0
Lead-in Cable	290

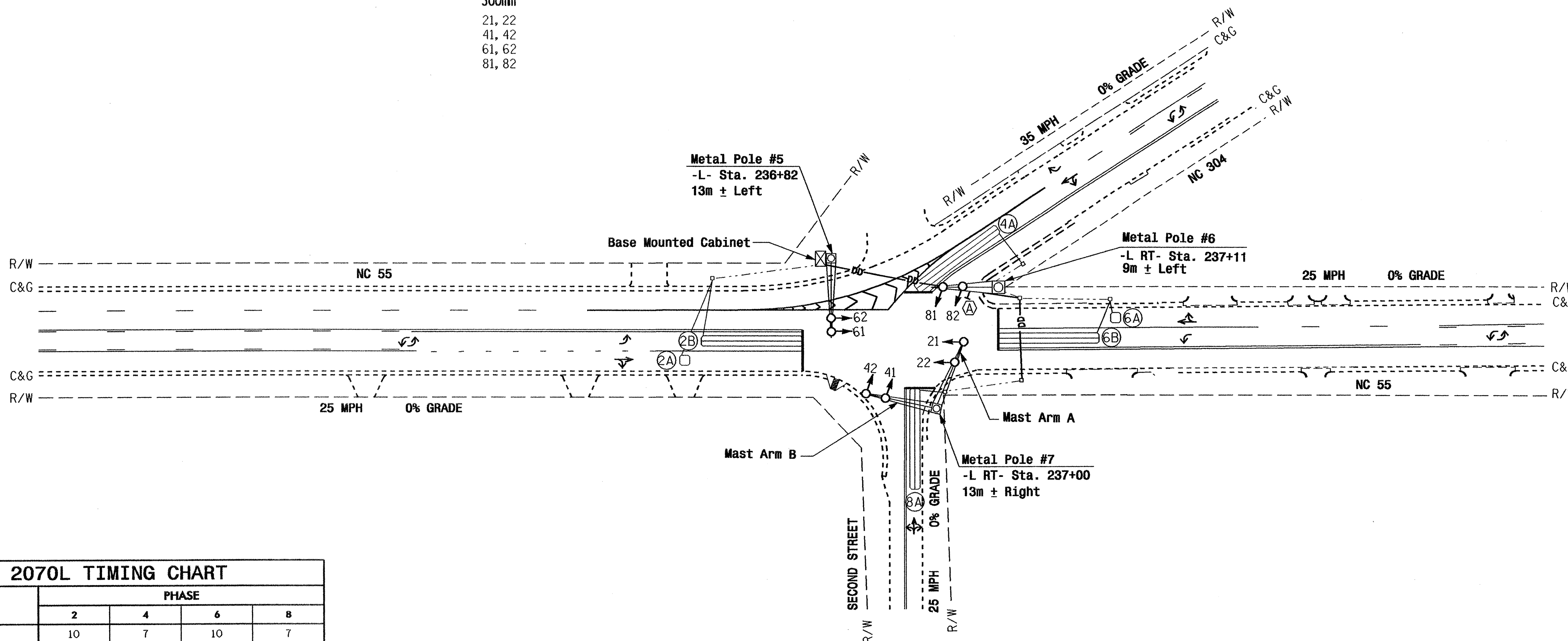
LEGEND

- | PROPOSED   | EXISTING |
|--|----------|
| ○ Traffic Signal Head                            | ● N/A    |
| ○ Modified Signal Head                           | N/A      |
| ⊥ Sign   | ⊥ N/A    |
| ⊥ Pedestrian Signal Head With Push Button & Sign | ⊥ N/A    |
| ⊥ Signal Pole with Guy                           | ⊥ N/A    |
| ⊥ Signal Pole with Sidewalk Guy                  | ⊥ N/A    |
| ⊥ Inductive Loop Detector                        | ⊥ N/A    |
| ⊥ Controller & Cabinet                           | ⊥ N/A    |
| ⊥ Junction Box                                   | ⊥ N/A    |
| ⊥ 50mm Underground Conduit                       | ⊥ N/A    |
| N/A Right of Way with Marker                     | ⊥ N/A    |
| → Directional Arrow                              | → N/A    |
| → Pavement Marking Arrow                         | → N/A    |
| ⊥ Metal Pole with Mastarm                        | ⊥ N/A    |
| - DD - Directional Drill (50 mm Conduit)         | N/A      |
| ⊥ Wheelchair Ramp                                | N/A      |
| ⊥ "NO TURN ON RED" Sign (R10-11)                 | ⊥ N/A    |

2070L TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1*	10	7	10	7
Extension 1*	3.0	1.0	3.0	1.0
Max Green 1*	45	20	45	20
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	2.0	1.5	2.0	1.5
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

\* 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.



New Installation

	<p>NC 55 at NC 304 and Second Street</p>									
	<p>Division 02 Pamlico County in Bayboro</p> <p>PLAN DATE: July 2004</p> <p>PREPARED BY: C.E. Pierce</p>	<p>REVIEWED BY:</p> <p>REVIEWED BY:</p>								
<p>122 N. McDowell St., Raleigh, NC 27603</p> <p>SCALE: 1:500</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	INIT.	DATE					<p>SEAL</p> <p>DATE: 8/19/04</p> <p>SIGNATURE: Timothy J. Williams</p> <p>SIG. INVENTORY NO. 02-0819</p>
NO.	DATE	INIT.	DATE							