





TABLE OF OPERATION			N	
	PHASE			
SIGNAL FACE	Ø2+6	Ø4+8	EV PRE 2	டப்வக
21, 22	G	R	R	Υ
41, 42	R	G	R	R
61, 62	G	R	R	Υ
81	R	G	G	R
82	R	G	G	R

SIGNAL FACE I.D.

O Denotes L.E.D.

Wood Pole

Wood Pole

-Y- STA. 11+78 <u>+</u> 19m Right

± 18m Right

FUNCTION	PRE 2
Interval 1 — Dwell Green	255
Interval 1 — Dwell Yellow	0 . 0*
Interval 1 — Dwell Red	0 . 0*
Interval 5 – Exit Green	1
Interval 5 - Yellow	0.0*
Interval 5 — Red	0 . 0*
Delay Time	**
Min Green Before Pre	7
Ped Clear Before Pre	0
Yellow Clear Before Pre	0.0*
Red Clear Before Pre	0.0*
Dwell Min Time	* *
Enable Backup Protection	Y
Ped Clear Through Yellow	NA

* Time defaults to time used for phase during normal operation.

Wood Pole

-Y- STA. 11+44

± 14m Left

22

* * See note 6.

2070 EV PREEMPTION

781	M11 ()1	OMOVO	DOIL

56 KM/HR 35 MPH

NC 55

Wood Pole

-Y- STA. 11+83 ± 15m Left

	OL LO		-	Έ(r			-	-	-		
INDUCTIVE ZONE 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
4A	1.8X18	*	0	Υ	4	Υ	Υ			*********	10	Υ
8A	1.8X18	*	0	Y	8	Υ	Υ		_		10	Υ

* Microwave Detection

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.

2 Phase W/Fire Preemption

Semi-Actuated

(Isolated)

NOTES

- 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.
- 5. Locate emergency vehicle preemption switch in the fire station.
- 6. The Division Traffic Engineer will determine the Delay before Preempt and Preempt Dwell Min Green time for the emergency vehicle preemption timing.
- 7. Incorporate Microwave presence detector for vehicle detection.

PLAN QUANTITIES			
Pay Item	Meters		
Signal Cable	215		
Messenger Cable	175		
Lead-in Cable	90		

	LEGEND	
PROPOSED	Addition to the special and the state of the special and the s	EXISTING
○ ➤	Traffic Signal Head	• ->
0-	Modified Signal Head	N/A
-	Sign	
\Box	Pedestrian Signal Head With Push Button & Sign	
	Signal Pole with Guy	
S	ignal Pole with Sidewalk Guy	
	Inductive Loop Detector	(
04	Out of Pavement Detector	
	Microwave Detection Zone	
\boxtimes	Controller & Cabinet	K_X K_X
	Junction Box	
reference or of Machine de de Sandayay de de	50mm Underground Conduit	Management and Belleville on Statements and
N/A	Right of Way with Marker	
	Directional Arrow	>
-	Pavement Marking Arrow	
	Construction Zone	
		The second secon

Signal Upgrade	
Prepared in the Offices of:	
described and a series	
SERVE OF THE PARTY	
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35	
Gomenics Seing	P
Geometr's	PI
IZ2 N. McDowell St., Raleigh, NC 2769.	3 PI
SCALE	L
	1 B

. R/W

Phase 1	Temporary Design
NC .	55
at NC 3	106
on 02 Pamlico Cou	nty in Grantsboro
July 2004 RE	VIEWED BY:

	3110	H CA
tsboro		SEAL 2439
		ENGINE
DATE	7	11.17
	[mois	.Wuk

<u>PHASING</u>	DIAGHAM	DETECTION	<u>LEGEND</u>

- INDETECTED MOVEMENT (OVEDLAD)
- **<--->**

	UNDETECTED MOVEMENT (OVERLAP)
	UNSIGNALIZED MOVEMENT
•	PEDESTRIAN MOVEMENT

300mm

21, 22 41, 42 61, 62 82

R/W _______ NC 55 -Y- STA. 11+38

	2070L	TIMIN	IG CHAR	T				
	PHASE							
FEATURE	2	4	6	8				
Min Green 1 *	10	7	10	7				
Extension 1 *	0.0	1.0	0.0	1.0				
Max Green 1 *	35	20	35	20				
Yellow Clearance	4.0	4.0	4.0	4.0				
Red Clearance	2.0	2.5	2.0	2.5				
Walk 1 *		***	***					
Don't Walk 1	**-	***	-					
Seconds Per Actuation *	tue .	and the second s						
Max Variable Initial *	••	a.u	NA.	~~				
Time Before Reduction *		***		-				
Time To Reduce *	AND		wite	***				
Minimum Gap		**************************************		***				
Recall Mode	MAX RECALL	***	MAX RECALL	***				
Vehicle Call Memory	YELLOW	****	YELLOW	***				
Dual Entry	445	ON	- magi	ON				

Division 02 Pamlico County
PLAN DATE: July 2004 REVIEWED BY:
PREPARED BY: C.E. Pierce REVIEWED BY:

SIG. INVENTORY NO. 02-0312 T