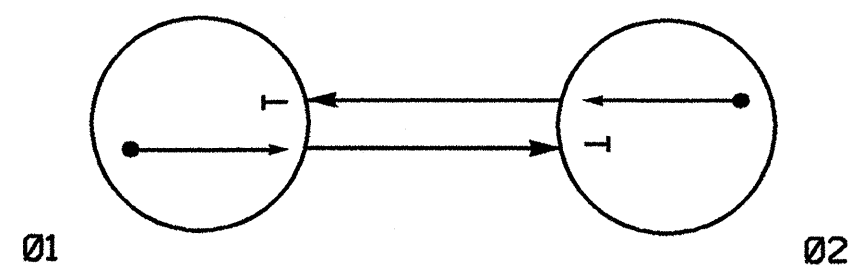


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

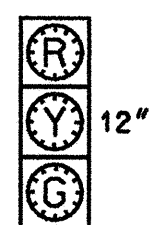
- → DETECTED MOVEMENT
- → UNDETECTED MOVEMENT (OVERLAP)
- - - → UNSIGNALIZED MOVEMENT
- ⚡ → PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø 1	Ø 2	FLASH
11, 12	G	R	R
21, 22	R	G	R

SIGNAL FACE I.D.

⊙ Denotes L.E.D.



11, 12
21, 22

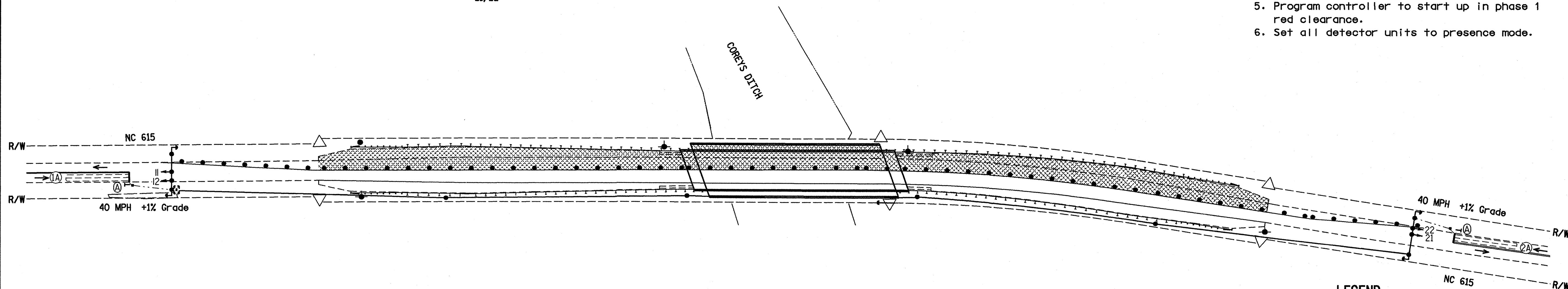
2070L LOOP & DETECTOR INSTALLATION

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING								
	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	-	1	Y	Y	-	-	-	-	-
2A	6x60	2-4-2	0	-	2	Y	Y	-	-	-	-	-

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. Pavement markings are existing.
3. Temporary designs 1 and 2 may be switched to accommodate phases of construction.
4. Program controller to rest in red in the absence of vehicle calls.
5. Program controller to start up in phase 1 red clearance.
6. Set all detector units to presence mode.



2070L TIMING CHART

FEATURE	PHASE	
	1	2
Min Green 1 *	12	12
Extension 1 *	2.0	2.0
Max Green 1 *	30	30
Yellow Clearance	4.0	4.0
Red Clearance	25.0	25.0
Walk 1 *	-	-
Don't Walk 1	-	-
Dynamic Max /Max.3	120	120
Dynamic Max Adjust	15.0	15.0
Seconds Per Actuation *	-	-
Max Variable Initial *	-	-
Time Before Reduction *	-	-
Time To Reduction *	-	-
Minimum Gap	-	-
Recall Mode	-	-
Vehicle Call Memory	-	-
Dual Entry	-	-
Simultaneous Gap	ON	ON

* These values may be field adjusted. Min Green for all phases should not be lower than 4 seconds.

PLAN QUANTITIES

Pay Item	Feet
Signal Cable	0
Messenger Cable	0
Lead-in Cable	0

This signal plan shall supersede the plan signed and sealed on 4/23/02.

LEGEND

- | | |
|-------------------------------------|--|
| PROPOSED | EXISTING |
| ○ → Traffic Signal Head | ● → N/A |
| ● → 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 | → → Guardrail |
| N/A → Construction Zone | ⊙ → Construction Zone Drums |
| ⊙ → "Stop Here On Red" Sign (R10-6) | ⊙ → |

Temporary Design 2 Construction Phase II

122 N. McDowell St., Raleigh, NC 27603

Bridge Number 7 on NC 615 Over Corey's Ditch

Division 1 Currituck County McKay Island

PLAN DATE: January 2003 REVIEWED BY: R. J. Ziembak

PREPARED BY: C. E. Carter REVIEWED BY:

SEAL

ENGINEER
TIMOTHY J. WILLIAMS
24393

SCALE 0 50
1"=50'

REVISIONS

NO.	DATE	DESCRIPTION

INIT. DATE

1/21/03

SIGNATURE DATE

SIG. INVENTORY NO. 01-0721T2