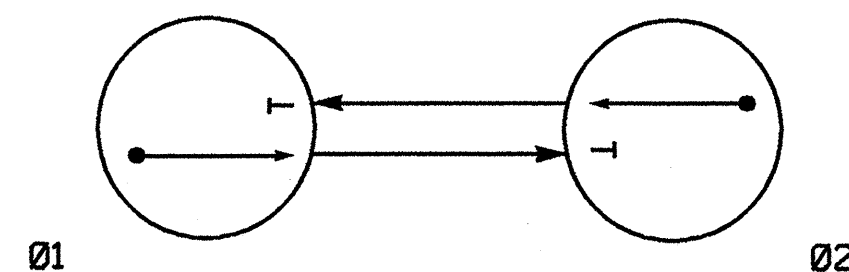


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

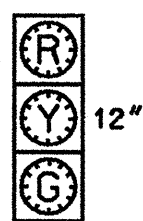
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

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

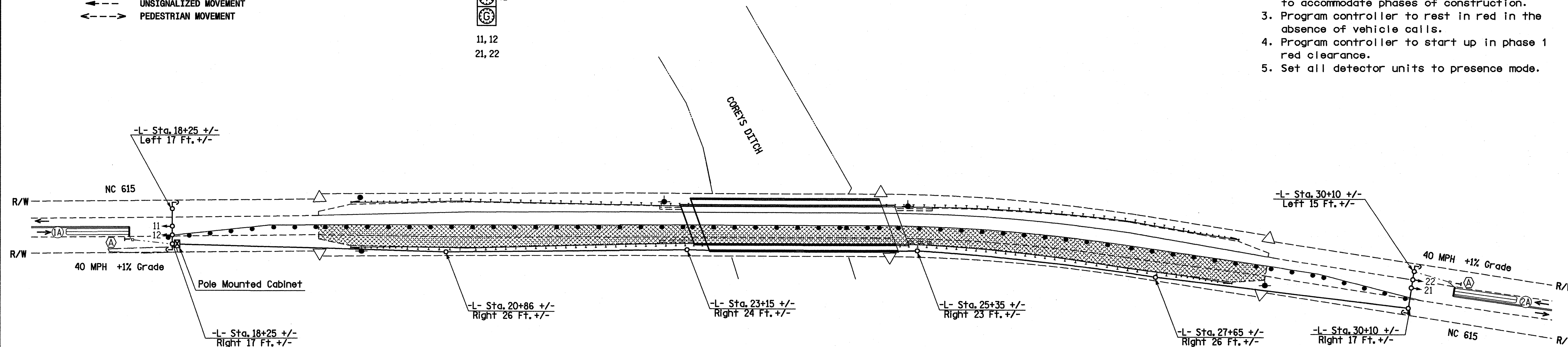
2070L LOOP & DETECTOR INSTALLATION

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING								
	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	PHASE	CALLING	EXTENSION	PULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	6x60	2-4-2	0	Y	1	Y	Y	-	-	-	-	Y
2A	6x60	2-4-2	0	Y	2	Y	Y	-	-	-	-	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.
- Temporary designs 1 and 2 may be switched to accommodate phases of construction.
- Program controller to rest in red in the absence of vehicle calls.
- Program controller to start up in phase 1 red clearance.
- 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	1300
Messenger Cable	1250
Lead-in Cable	1320

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

LEGEND

- | PROPOSED | EXISTING |
|--|-------------------------------------|
| ○ Traffic Signal Head | ● Traffic Signal Head |
| ○ Modified Signal Head | N/A |
| □ Sign | □ Sign |
| □ Pedestrian Signal Head With Push Button & Sign | □ Pedestrian Signal Head |
| □ Signal Pole with Guy | □ Signal Pole with Guy |
| □ Signal Pole with Sidewalk Guy | □ Signal Pole with Sidewalk Guy |
| □ Inductive Loop Detector | □ Inductive Loop Detector |
| □ Controller & Cabinet Junction Box | □ Controller & Cabinet Junction Box |
| □ 2-in Underground Conduit | □ 2-in Underground Conduit |
| N/A Right of Way with Marker | △ Right of Way with Marker |
| → Directional Arrow | → Directional Arrow |
| → Pavement Marking Arrow | → Pavement Marking Arrow |
| N/A Guardrail | — Guardrail |
| Construction Zone | Construction Zone |
| Construction Zone Drums | Construction Zone Drums |
| Ⓐ "Stop Here On Red" Sign (R10-6) | Ⓐ "Stop Here On Red" Sign (R10-6) |

Temporary Design 1 Construction Phase I

	<p>Bridge Number 7 on NC 615 Over Corey's Ditch</p>	
	<p>Division 1 Currituck County McKay Island</p>	<p>PLANNED BY: R. J. Zienba</p>
<p>222 N. McDowell St., Raleigh, NC 27603</p>	<p>PREPARED BY: C. E. Carter</p>	<p>REVIEWED BY: R. J. Zienba</p>
<p>SCALE: 1"=50'</p>	<p>REVISIONS</p>	<p>INIT. DATE</p>
<p>DATE: 1/21/03</p>	<p>SIGNATURE: [Signature]</p>	<p>DATE: 1/21/03</p>
<p>SIG. INVENTORY NO. 01-0721T1</p>		