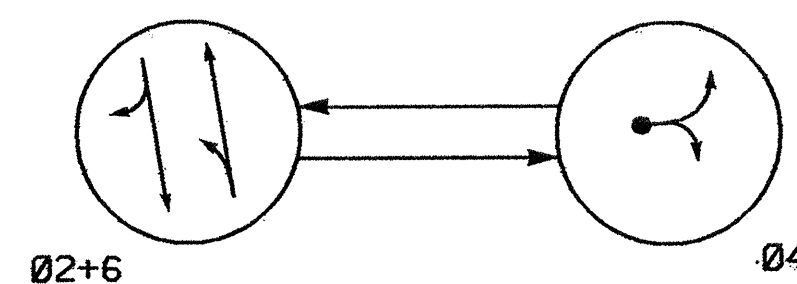


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- ←- - -> UNSIGNALIZED MOVEMENT
- ←- - -> PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø2+6	Ø4	L.E.D.
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y

SIGNAL FACE I.D.

○ Denotes L.E.D.



300mm

21, 22

41, 42

61, 62

2070L LOOP & DETECTOR INSTALLATION

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING							
	SIZE (METERS)	TURNS	DISTANCE FROM STOPBAR (METERS)	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
4A	1.8X18	2-4-2	0	-	4	Y	Y	-	-	10	-

2 Phase Semi-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.

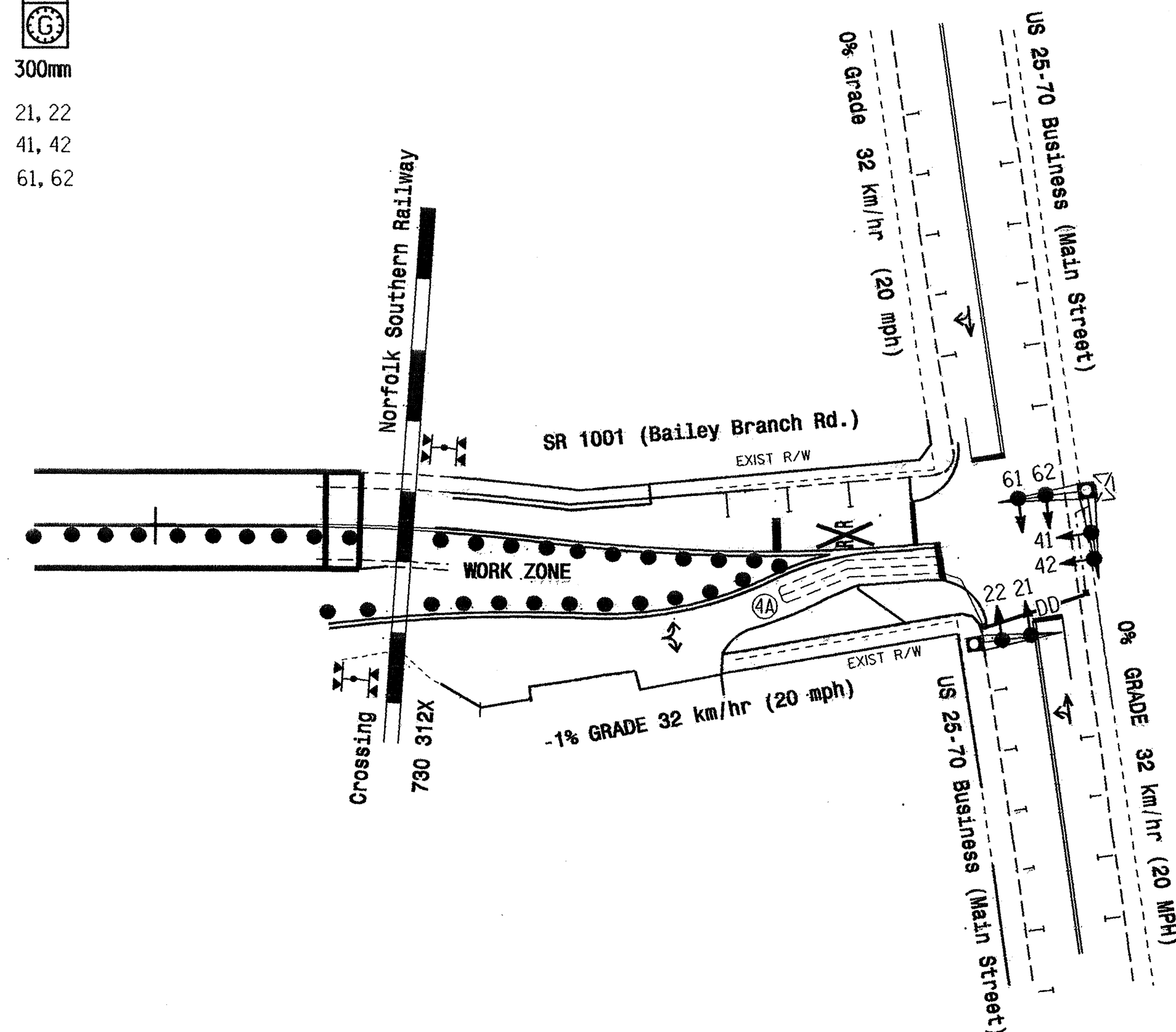
PLAN QUANTITIES

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

2070L TIMING CHART

FEATURE	PHASE		
	2	4	6
Min Green 1 *	10	7	10
Extension 1 *	0.0	1.0	0.0
Max Green 1 *	45	45	45
Yellow Clearance	4.0	4.0	4.0
Red Clearance	1.0	2.0	1.0
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	-	-	-
Max Variable Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Recall Mode	MAX RECALL	-	MAX RECALL
Vehicle Call Memory	-	-	-
Dual Entry	-	-	-
Simultaneous Gap	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.



LEGEND

PROPOSED	EXISTING
	Traffic Signal Head
	Modified Signal Head
	Sign
	Pedestrian Signal Head With Push Button & Sign
	Signal Pole with Guy
	Signal Pole with Sidewalk Guy
	Inductive Loop Detector
	Controller & Cabinet
	Junction Box
	50mm Underground Conduit
	Right of Way with Marker
	Directional Arrow
	Pavement Marking Arrow
	Metal Pole with Mast Arm
	Construction Zone Drums
	Directional Drill (2-50 mm)
	Railroad Flashers

Temporary Design 2 - Construction Phase II

	<p>US 25-70 Business (Main Street) at SR 1001 (Bailey Branch Rd.)</p>		
	<p>Division 13 Madison County Marshall</p>	<p>Division 13 Madison County Marshall</p>	
<p>122 N. McDowell St., Raleigh, NC 27603</p>	<p>PLAN DATE: May 2004</p>	<p>REVIEWED BY: R. J. Ziemba</p>	<p>DATE: 5/24/04</p>
<p>SCALE: 1:500</p>	<p>PREPARED BY: C. E. Pierce</p>	<p>REVIEWED BY:</p>	<p>SIGNATURE: [Signature]</p>
<p>SIG. INVENTORY NO. 13-0313 T2</p>		<p>DATE: 5/24/04</p>	