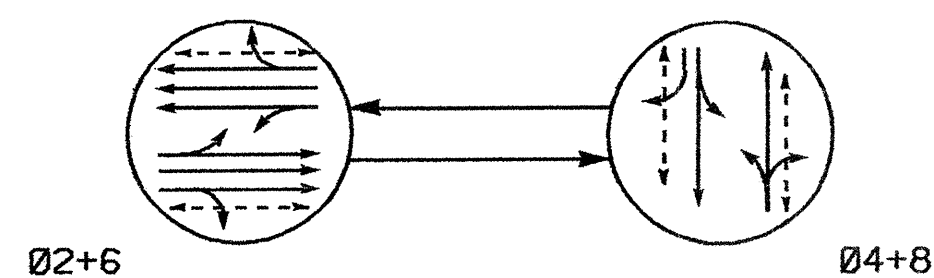


PHASING DIAGRAM



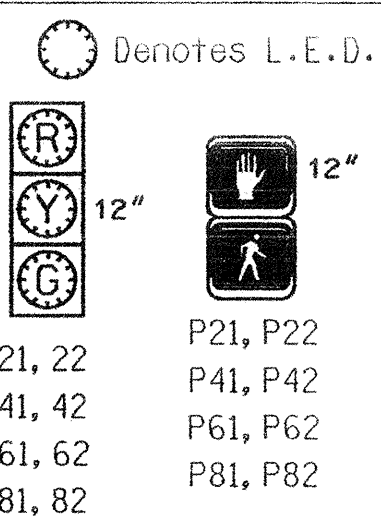
**PHASING DIAGRAM DETECTION LEGEND**

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

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04+8	FLASH
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R
P21, P22	W	DW	DRK
P41, P42	DW	W	DRK
P61, P62	W	DW	DRK
P81, P82	DW	W	DRK

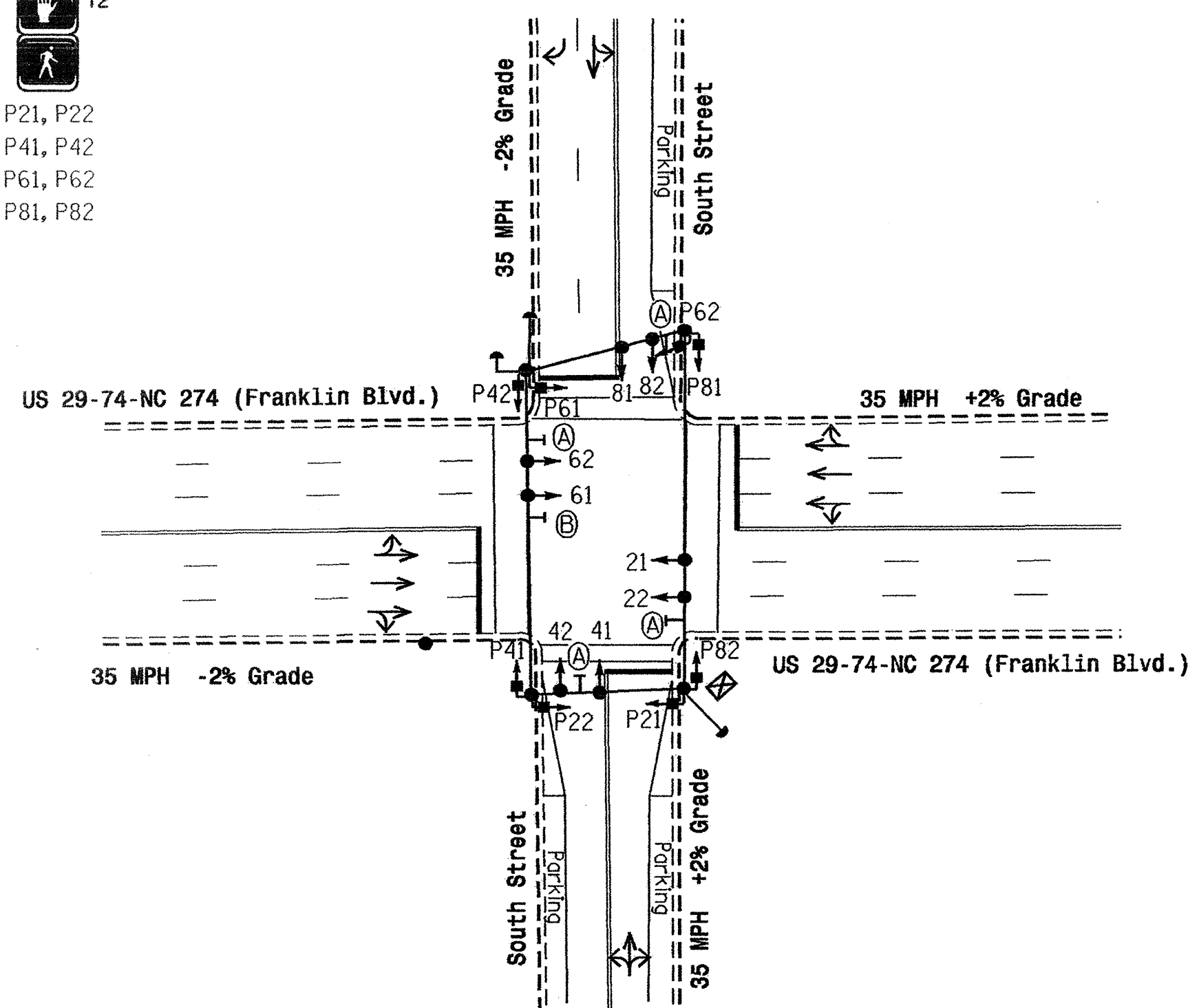
SIGNAL FACE I.D.



2 Phase  
Pre-Timed  
Gastonia City System

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.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- City system data:  
Controller asset #0040



2070L TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	0.0	0.0	0.0	0.0
Max Green 1 *	45	25	45	25
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	1.4	1.7	1.4	1.7
Walk 1 *	4	4	4	4
Don't Walk 1	11	14	11	14
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX RECALLED	RECALL	MAX RECALLED	RECALL
Vehicle Call Memory	-	-	-	-
Dual Entry	-	-	-	-
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.

LEGEND

PROPOSED	EXISTING
○ → Traffic Signal Head	● → Traffic Signal Head
● → Modified Signal Head	N/A
⊥ Sign	⊥ Sign
⊥ Pedestrian Signal Head	⊥ Pedestrian Signal Head
⊥ With Push Button & Sign	⊥ With Push Button & Sign
○ 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	□ Controller & Cabinet
□ Junction Box	□ Junction Box
- - - 2-in Underground Conduit	- - - 2-in Underground Conduit
N/A Right of Way	→ Right of Way
→ Directional Arrow	→ Directional Arrow
→ Pavement Marking Arrow	→ Pavement Marking Arrow
N/A "NO TURN ON RED" Sign (R10-11)	(A) "NO TURN ON RED" Sign (R10-11)
N/A "No Left Turn Sign 4pm-6pm Panel	(B) "No Left Turn Sign 4pm-6pm Panel

Signal Upgrade

	<p>US 29-74-NC 274 (Franklin Boulevard) at South Street Gastonia County</p>		
	<p>Division 12</p> <p>PLAN DATE: April 2004</p> <p>PREPARED BY: AB Hambright</p>	<p>Gastonia</p> <p>REVIEWED BY: D. ISAK</p> <p>REVIEWED BY:</p>	
<p>122 N. McDowell St., Raleigh, NC 27603</p>	<p>SCALE 1"=40'</p>	<p>REVISIONS</p>	<p>SIGNATURE DATE</p>

12-MAY-2005 07:45  
 v:\proj\05-04736\sig\12-0040\2004020050103.dgn  
 +TH:GDB