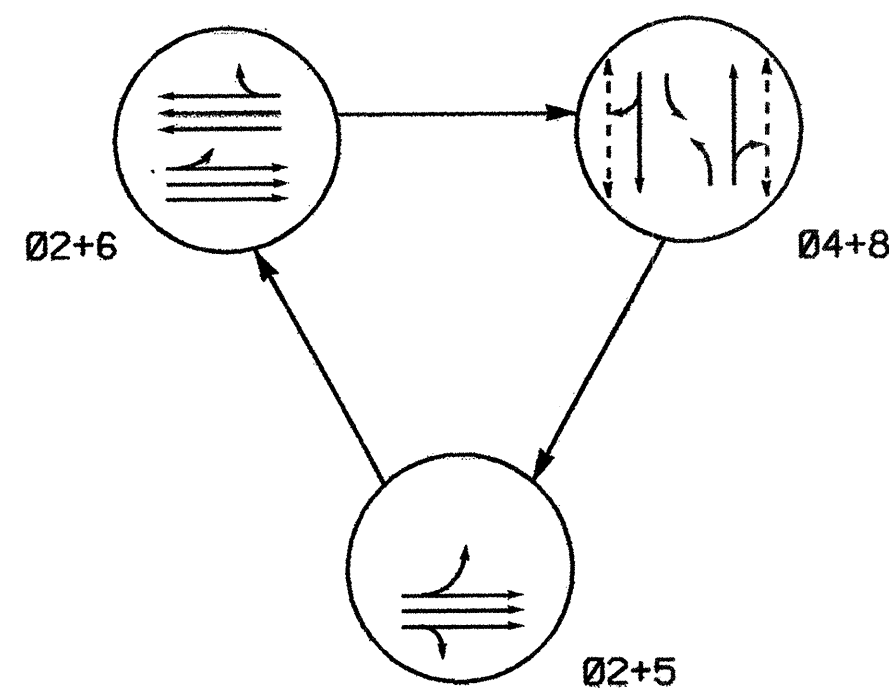


PHASING DIAGRAM



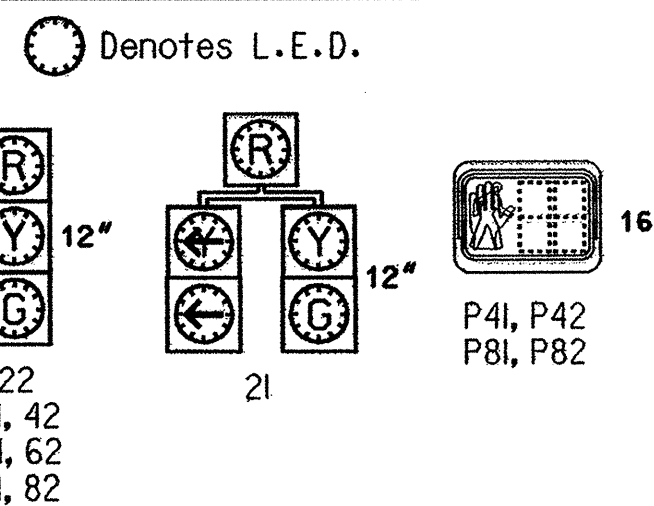
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE				
	Ø2+6	Ø2+5	Ø4+8	FLASH	H
21	G	R	Y		
22	G	G	R	Y	
41, 42	R	R	G	R	
61, 62	R	G	R	Y	
81, 82	R	R	G	R	
P41, P42	DW	DW	W	DRK	
P81, P82	DW	DW	W	DRK	

W - WALK
 DW - DON'T WALK
 DWK - DARK

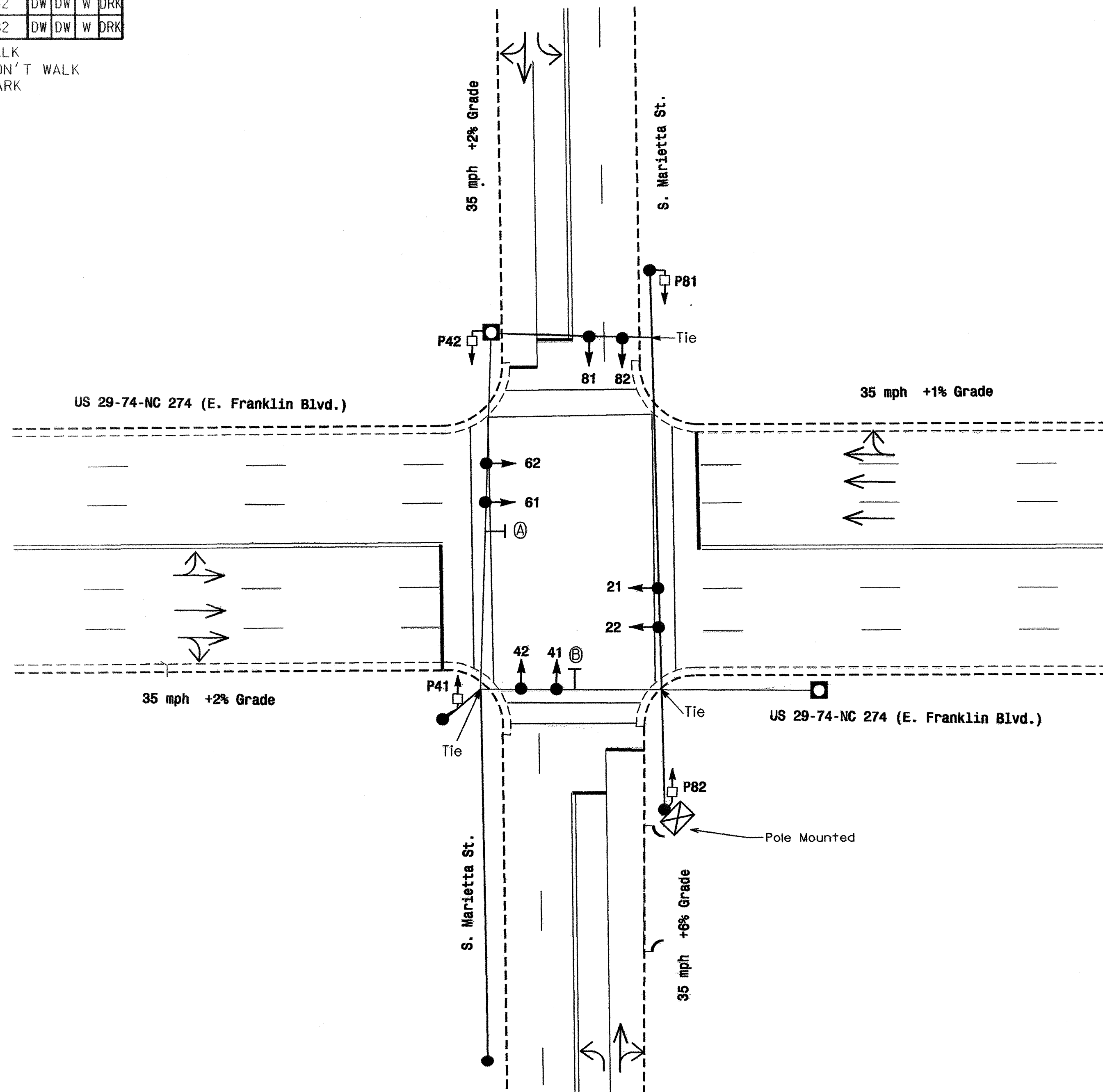
SIGNAL FACE I.D.



3 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.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- City system data:
Controller Asset #: 0041.



LEGEND

- | PROPOSED | EXISTING |
|--|----------|
| ○ → Traffic Signal Head | ● → N/A |
| ○ → Modified Signal Head | ○ → N/A |
| ○ → Sign | ○ → N/A |
| ○ → Pedestrian Signal Head With Push Button & Sign | ○ → N/A |
| ○ → Signal Pole with Guy | ○ → N/A |
| ○ → Signal Pole with Sidewalk Guy | ○ → N/A |
| ○ → Metal Strain Pole | ○ → N/A |
| ○ → Inductive Loop Detector | ○ → N/A |
| ○ → Controller & Cabinet | ○ → N/A |
| ○ → Junction Box | ○ → N/A |
| ○ → 2-in Underground Conduit | ○ → N/A |
| N/A → Right of Way | ○ → N/A |
| → → Directional Arrow | → → N/A |
| → → Pavement Marking Arrow | → → N/A |
| N/A → No Left Turn Sign (R3-2) | ○ → N/A |
| N/A → Left Arrow "ONLY" Sign (R3-5L) | ○ → N/A |

2070L TIMING CHART

FEATURE	PHASE				
	2	4	5	6	8
Min Green 1*	10	7	7	10	7
Extension 1*	0.0	0.0	0.0	0.0	0.0
Max Green 1*	45	25	15	45	25
Yellow Clearance	4.0	4.0	4.0	4.0	4.0
Red Clearance	1.0	1.7	1.2	1.0	1.7
Walk 1*	-	4	-	-	4
Don't Walk 1	-	17	-	-	17
Seconds Per Actuation*	-	-	-	-	-
Max Variable Initial*	-	-	-	-	-
Time Before Reduction*	-	-	-	-	-
Time To Reduce*	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Recall Mode	MAX RECALL	MAX/PED RECALL	MAX RECALL	MAX RECALL	MAX/PED RECALL
Vehicle Call Memory	-	-	-	-	-
Dual Entry	-	-	-	-	-
Simultaneous Gap	ON	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.

Signal Upgrade

	US 29-74-NC 274 (E. Franklin Boulevard) at S. Marietta Street Gastonia		
	Division 12 Gaston County Gastonia	PLAN DATE: Apr. 04 PREPARED BY: Sterling	
122 N. McDowell St., Raleigh, NC 27603	SCALE: 1"=20' 	REVISIONS:	INIT. DATE:
Prepared in the Office of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STATE AND GEOMETRIC DIVISION		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER D.Y. ISHAK 3 JANUARY 05	
SIGNATURE:		DATE:	
SIG. INVENTORY NO. 12-0041		DATE:	

12-MAY-2005 14:07
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