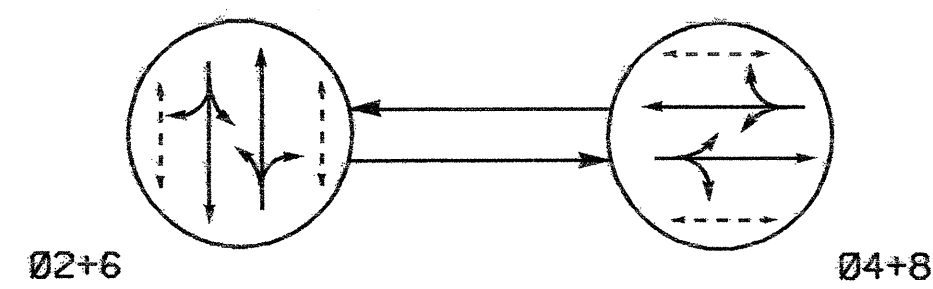


PHASING DIAGRAM



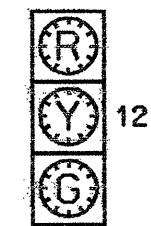
PHASING DIAGRAM DETECTION LEGEND
 ● DETECTED MOVEMENT
 ○ UNDETECTED MOVEMENT (OVERLAP)
 - - - UNSIGNALIZED MOVEMENT
 - - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø2+6	Ø4+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.

○ Denotes L.E.D.



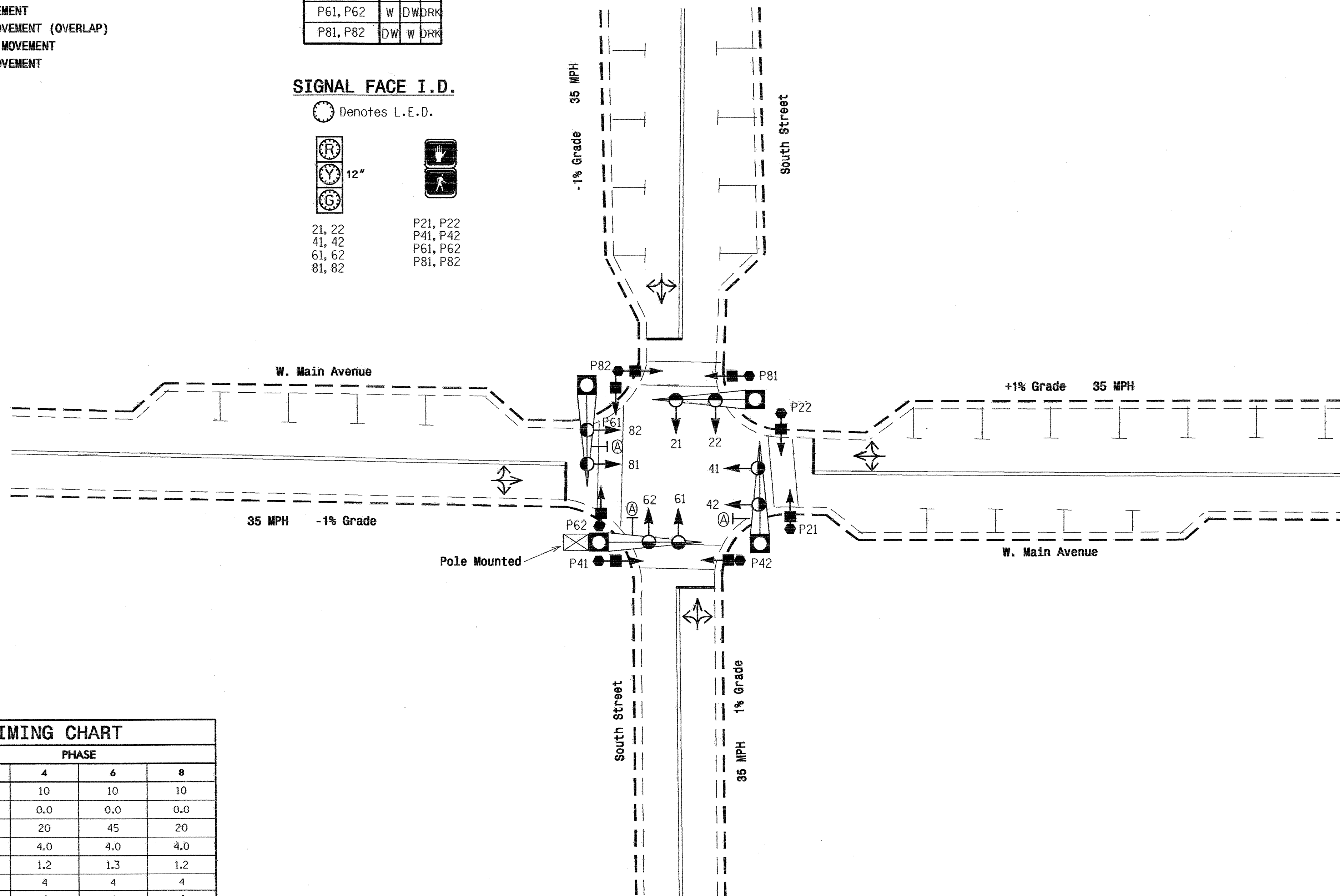
21, 22
41, 42
61, 62
81, 82

P21, P22
P41, P42
P61, P62
P81, P82

**2 Phase
Pre-Timed
(Gastonia City System)**

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. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
4. Pavement markings are existing.
5. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
6. City system data:
Controller Asset #: 5002.



2070L TIMING CHART


FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	10	10	10	10
Extension 1 *	0.0	0.0	0.0	0.0
Max Green 1 *	45	20	45	20
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	1.3	1.2	1.3	1.2
Walk 1 *	4	4	4	4
Don't Walk 1	5	4	4	4
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX/PED RECALL	MAX/PED RECALL	MAX/PED RECALL	MAX/PED 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	● → 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
○ → Inductive Loop Detector	○ → N/A
○ → Controller & Cabinet	○ → N/A
○ → Junction Box	○ → N/A
○ → 2-in Underground Conduit	○ → N/A
○ → Right of Way	○ → N/A
○ → Directional Arrow	○ → N/A
○ → Pavement Marking Arrow	○ → N/A
○ → Pedestrian Signal Pedestal	○ → N/A
○ → "NO TURN ON RED" Sign (R10-11)	○ → N/A
○ → Metal Pole with Mastarm	○ → N/A

Signal Upgrade

Prepared in the Office of:

 122 N. McDowell St., Raleigh, NC 27603

South Street at W. Main Avenue

Division 12 Gaston County Gastonia
 PLAN DATE: January 2005 REVIEWED BY: D.Y. Ishak
 PREPARED BY: L. Blount REVIEWED BY: [Signature]
 REVISIONS: _____ INIT. DATE: _____

SCALE: 1" = 20'

21 January 05

SIG. INVENTORY NO. City-11

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