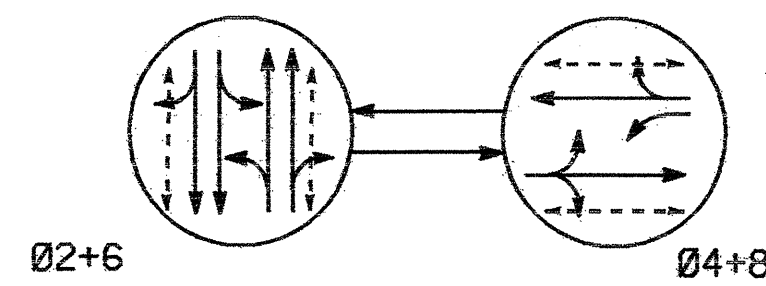


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

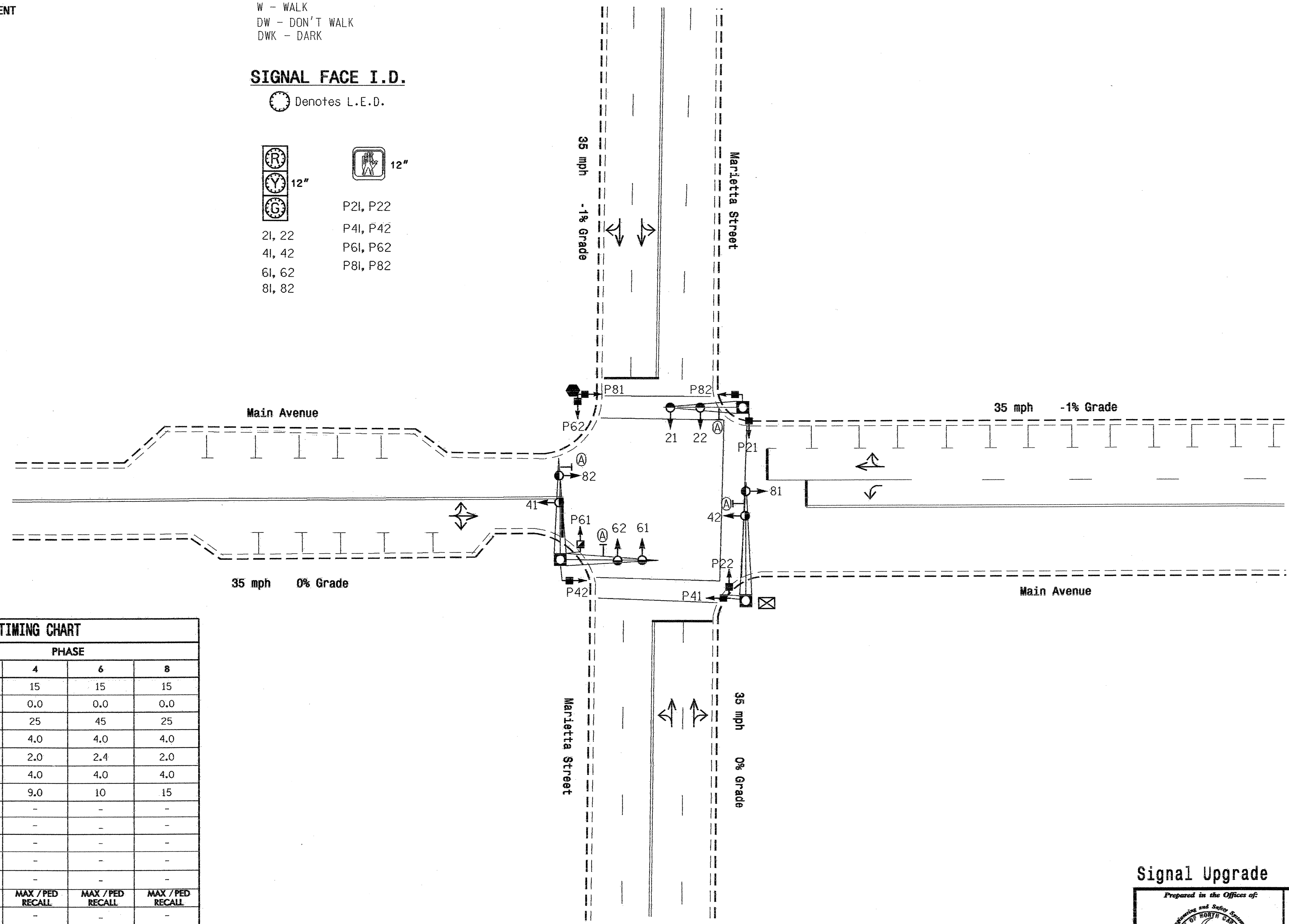
SIGNAL FACE	PHASE		
	Ø2+6	Ø4+8	FLIGHT
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R
P21, P22	W	DW	DWK
P41, P42	DW	W	DWK
P61, P62	W	DW	DWK
P81, P82	DW	W	DWK

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

SIGNAL FACE I.D.

⊙ Denotes L.E.D.

- 12" P21, P22
- 12" P41, P42
- 12" P61, P62
- 12" P81, P82
- 12" P21, P22
- 12" P41, P42
- 12" P61, P62
- 12" 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. Set all detector units to presence mode.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Pavement markings are existing.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
7. City system data: Controller Asset 5003.

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	15	15	15	15
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	2.4	2.0	2.4	2.0
Walk 1 *	4.0	4.0	4.0	4.0
Don't Walk 1	12	9.0	10	15
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
	N/A

Signal Upgrade

	Main Ave. at Marietta St.		
	Division 12	Gastonia	
Prepared in the Office of: Traffic Engineering and Safety Services Department of Transportation City of Gastonia 122 N. McDowell St., Raleigh, NC 27603	PLAN DATE: January 2005 PREPARED BY: C. Pierce	REVIEWED BY: D. Y. Ishak DATE:	SIGNATURE: _____ DATE: _____ SIG. INVENTORY NO. City-10