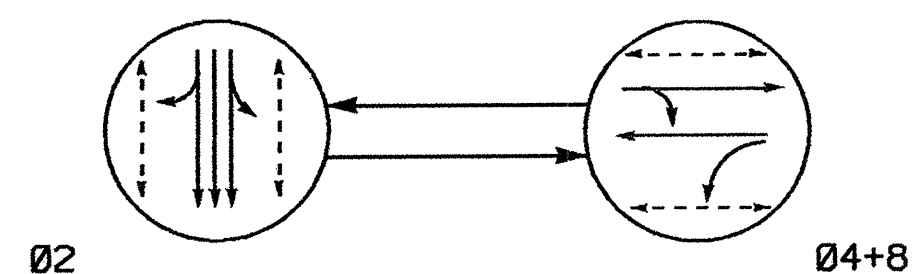


PHASING DIAGRAM

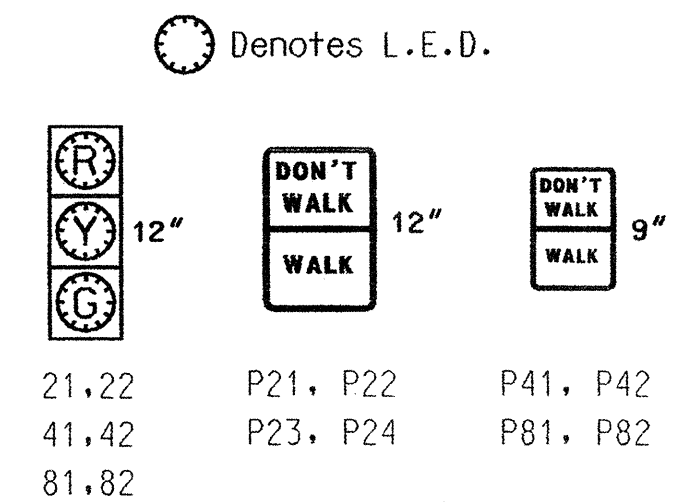


PHASING DIAGRAM DETECTION LEGEND
 ● ← DETECTED MOVEMENT
 ○ ← UNDETECTED MOVEMENT (OVERLAP)
 - - ← UNSIGNALIZED MOVEMENT
 - - - - ← PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø2	Ø4+8	F L S D H
21, 22	G	R	Y
41, 42	R	G	R
81, 82	R	G	R
P21, P22	W	DW	DRK
P23, P24	W	DW	DRK
P41, P42	DW	W	DRK
P81, P82	DW	W	DRK

SIGNAL FACE I.D.

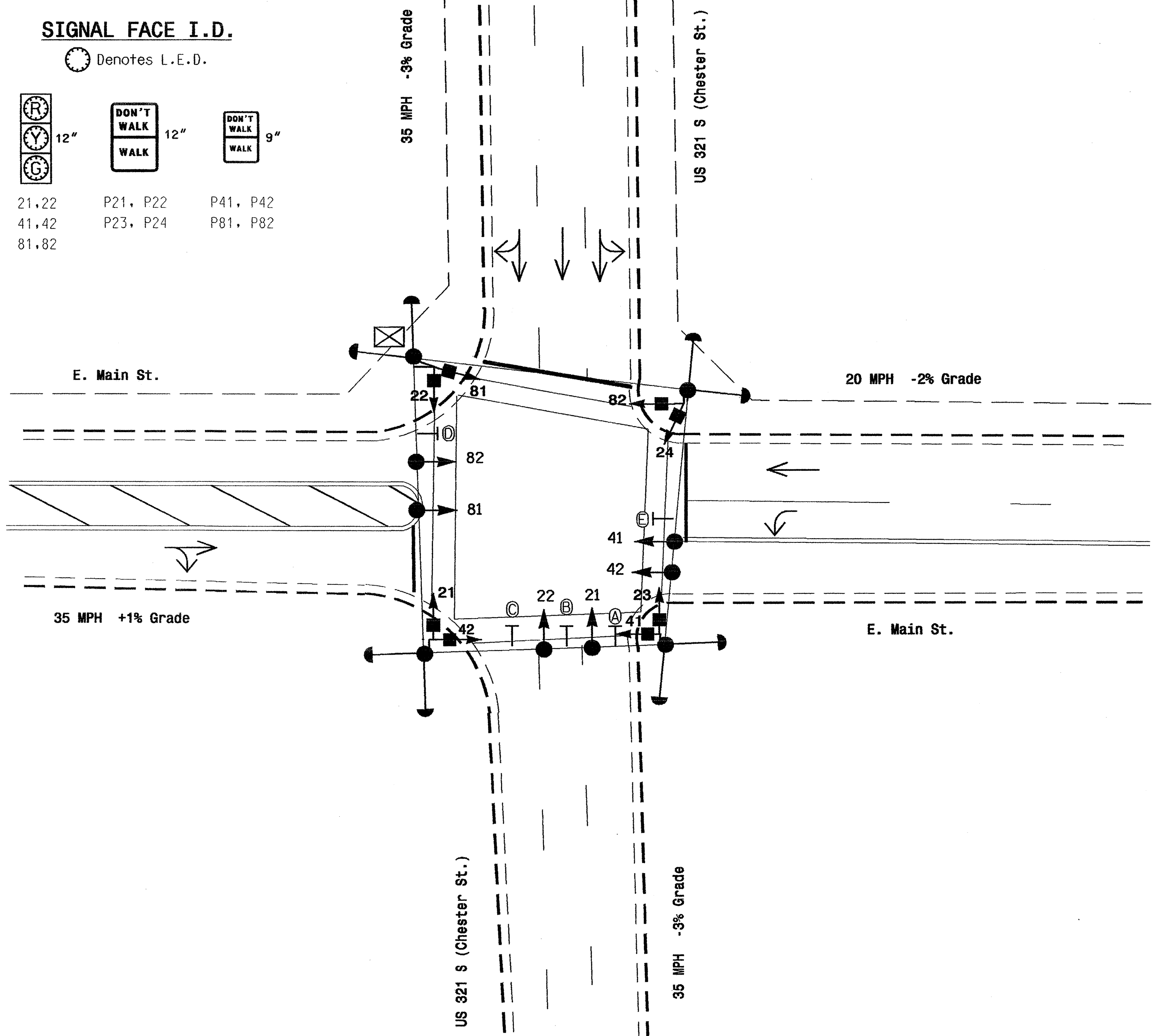


21, 22 P21, P22 P41, P42
 41, 42 P23, P24 P81, P82
 81, 82

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. City loop system data: Controller Asset #0924.



2070L TIMING CHART

FEATURE	PHASE		
	2	4	8
Min Green 1 *	10	7	7
Extension 1 *	0	0	0
Max Green 1 *	45	30	30
Yellow Clearance	4.0	4.0	4.0
Red Clearance	1.6	1.4	1.4
Walk 1 *	4.0	4.0	4.0
Don't Walk 1	8	8	9
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
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	● → N/A
○ → Modified Signal Head 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
Ⓐ Combined Through and Left Arrow Sign (R3-6L)	Ⓐ
Ⓑ Through Arrow "ONLY" Sign (R3-5A)	Ⓑ
Ⓒ Combined Through and Right Arrow Sign (R3-6R)	Ⓒ
Ⓓ No Right Turn Sign (R3-1)	Ⓓ
Ⓔ No Left Turn Sign (R3-2)	Ⓔ

Signal Upgrade

Prepared in the Office of:

 US 321 (S. Chester St.)
 at
 E. Main St.
 Gastonia
 Division 12 Gaston County
 PLAN DATE: February 2005 REVIEWED BY: D.Y. Ishak
 PREPARED BY: K. Maldonado REVIEWED BY:
 REVISIONS: INIT. DATE
 SCALE: 1"=20'
 SIGNATURE: DATE
 SIG. INVENTORY NO. 12-0924

09-JUN-2005 10:56
 w:\p001\185-jun11\morkgroups\1.prc\project\2005\12-0924\sig.95.dgn
 CAPTURED