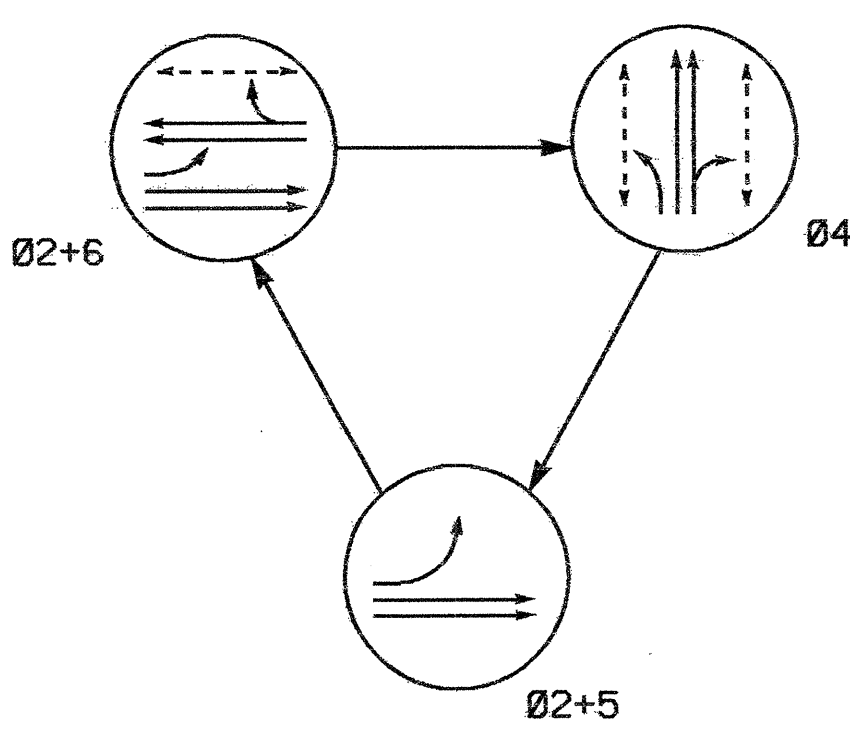


**3 Phase  
Pre-Timed  
(Gastonia City System)**

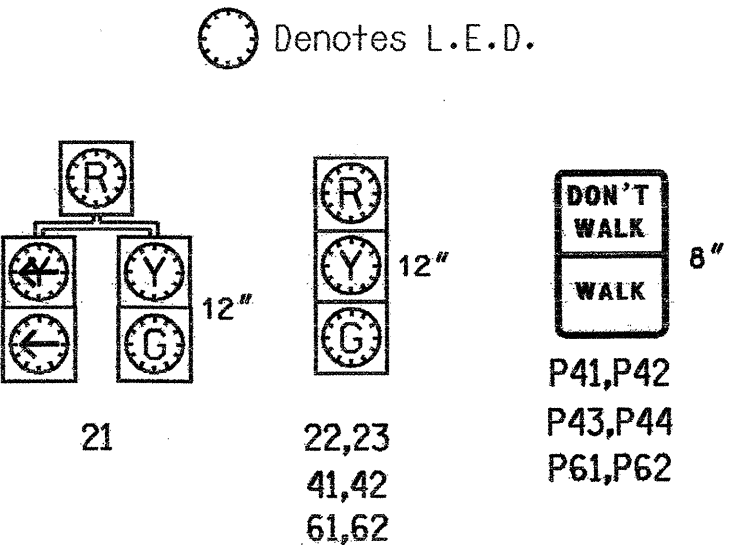
**PHASING DIAGRAM**



**TABLE OF OPERATION**

SIGNAL FACE	PHASE			
	Ø 2+5	Ø 2+6	Ø 4	Ø 2+5 Ø 4
21	G	R	Y	
22,23	G	G	R	Y
41,42	R	R	G	R
61,62	R	G	R	Y
P41,P42	DW	DW	W	DRK
P43,P44	DW	DW	W	DRK
P61,P62	DW	W	DW	DRK

**SIGNAL FACE I.D.**



**PHASING DIAGRAM DETECTION LEGEND**

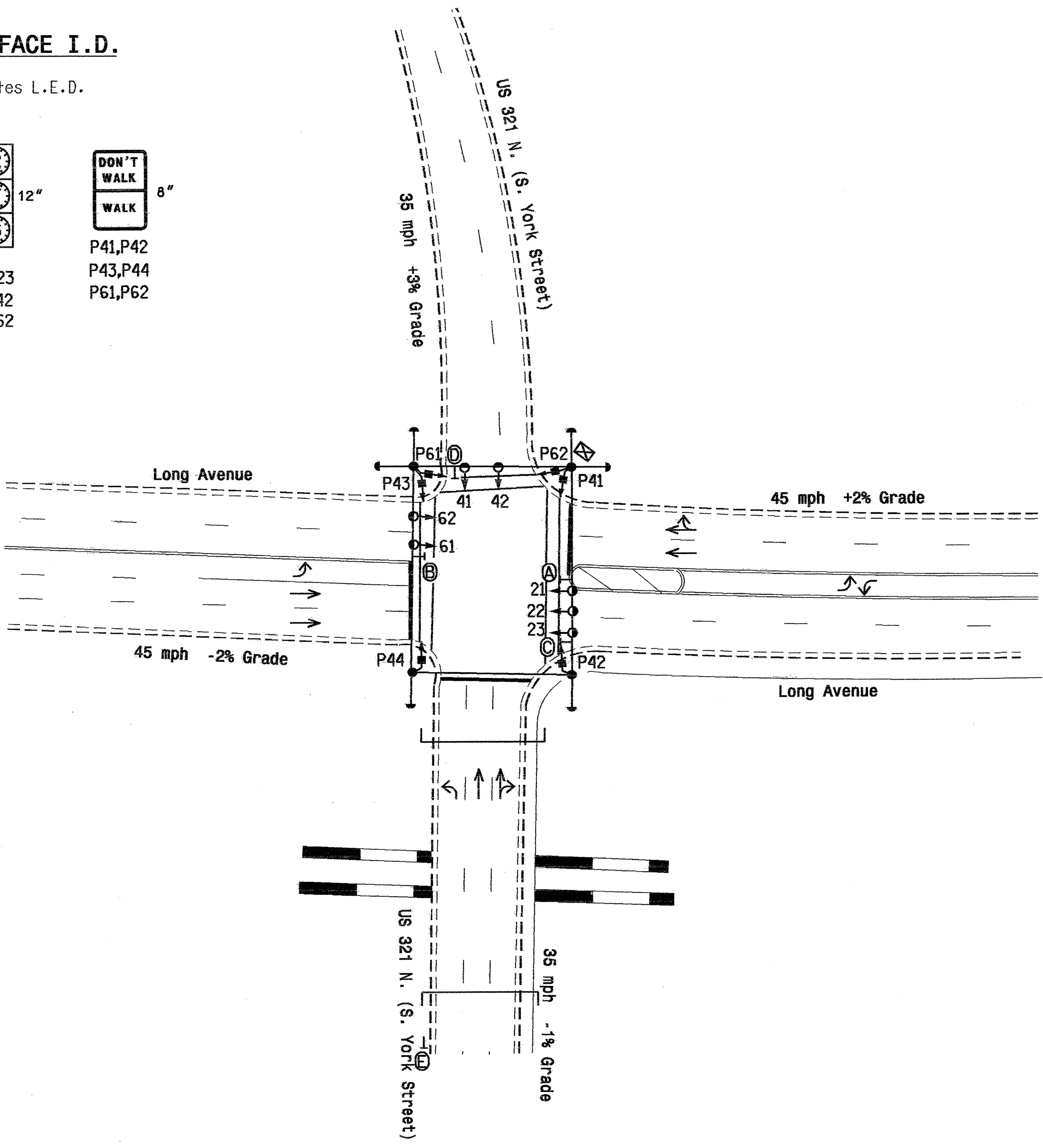
	DETECTED MOVEMENT
	UNDETECTED MOVEMENT (OVERLAP)
	UNSIGNALIZED MOVEMENT
	PEDESTRIAN MOVEMENT

- 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.
  - Set all detector units to presence mode.
  - Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
  - Pavement markings are existing.
  - 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 #0925.

**2070L TIMING CHART**

FEATURE	PHASE			
	2	4	5	6
Min Green 1*	12	7	7	12
Extension 1*	0.0	0.0	0.0	0.0
Max Green 1*	45	30	15	45
Yellow Clearance	4.7	4.0	4.0	4.7
Red Clearance	1.1	1.9	1.7	1.1
Walk 1*	-	4	-	4
Don't Walk 1	-	15	-	7
Seconds Per Actuation*	-	-	-	-
Max Variable Initial*	-	-	-	-
Time Before Reduction*	-	-	-	-
Time To Reduce*	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX RECALL	MAX/PED RECALL	MAX 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
N/A	

**Signal Upgrade**

Prepared in the Office of:  
**US 321 N. (S. York Street)  
at  
Long Ave.**

Division 12 Gaston County Gastonia  
PLANNED BY: January 2005 REVIEWED BY: D.I. Ishak  
PREPARED BY: Luhr REVIEWED BY:  
REVISIONS: INIT. DATE  
SCALE: 1" = 40'

Signature: [Signature] Date: 28 JANUARY 05  
SIC. INVENTORY NO. 12-0925

12-MAY-2005 09:27  
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p001.dgn