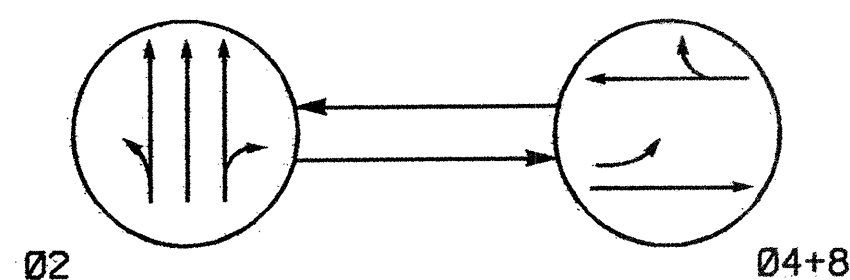


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

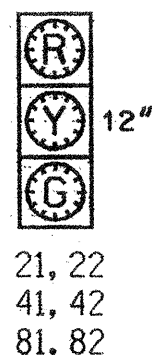
- ← DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ← --- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø2	Ø4+8	F LASH
21, 22	G	R	Y
41, 42	R	G	R
81, 82	R	G	R

SIGNAL FACE I.D.

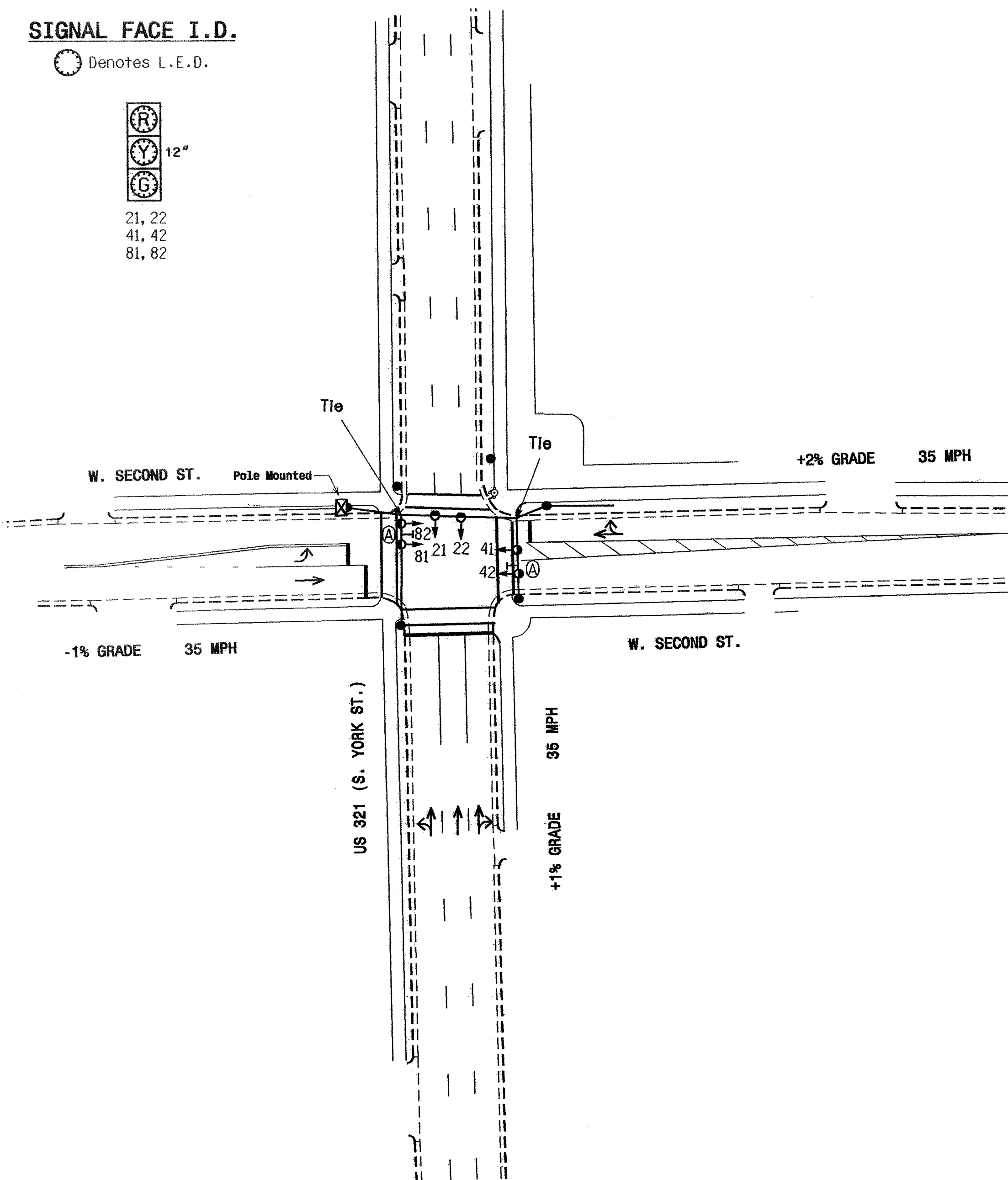
⊙ Denotes L.E.D.



2 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.
- 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 #: 0073.



2070L TIMING CHART

FEATURE	PHASE		
	2	4	8
Min Green 1 *	10	7	10
Extension 1 *	0.0	0.0	0.0
Max Green 1 *	40	20	20
Yellow Clearance	4.0	4.0	4.0
Red Clearance	1.8	1.5	1.5
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	-	-	-
Max Variable Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Recall Mode	MAX RECALL	MAX RECALL	MAX 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                         | ■ → N/A  |
| ⊥ Sign   | ⊥ Sign   |
| ⊥ Pedestrian Signal Head With Push Button & Sign | ⊥ Pedestrian Signal Head With Push Button & Sign |
| ⊥ Signal Pole with Guy                           | ⊥ Signal Pole with Guy                           |
| ⊥ Signal Pole with Sidewalk Guy                  | ⊥ Signal Pole with Sidewalk Guy                  |
| ⊥ Inductive Loop Detector                        | ⊥ Inductive Loop Detector                        |
| ⊥ Controller & Cabinet                           | ⊥ Controller & Cabinet                           |
| ⊥ Junction Box                                   | ⊥ Junction Box                                   |
| ⊥ 2-in Underground Conduit                       | ⊥ 2-in Underground Conduit                       |
| N/A Right of Way                                 | --- Right of Way                                 |
| → Directional Arrow                              | → Directional Arrow                              |
| → Pavement Marking Arrow                         | → Pavement Marking Arrow                         |
| ⊙ "One Way" Sign (RG-1)                          | ⊙ "One Way" Sign (RG-1)                          |

Signal Upgrade

	<b>West Second Street at US 321 (South York Street)</b>		
	Division 12 Gaston County Gastonia PLAN DATE: October 2004 PREPARED BY: L. Blount SCALE: 1"=40' REVISIONS:	REVIEWED BY: Z.W. Little REVIEWED BY: D.Y. Ishak INIT. DATE:	