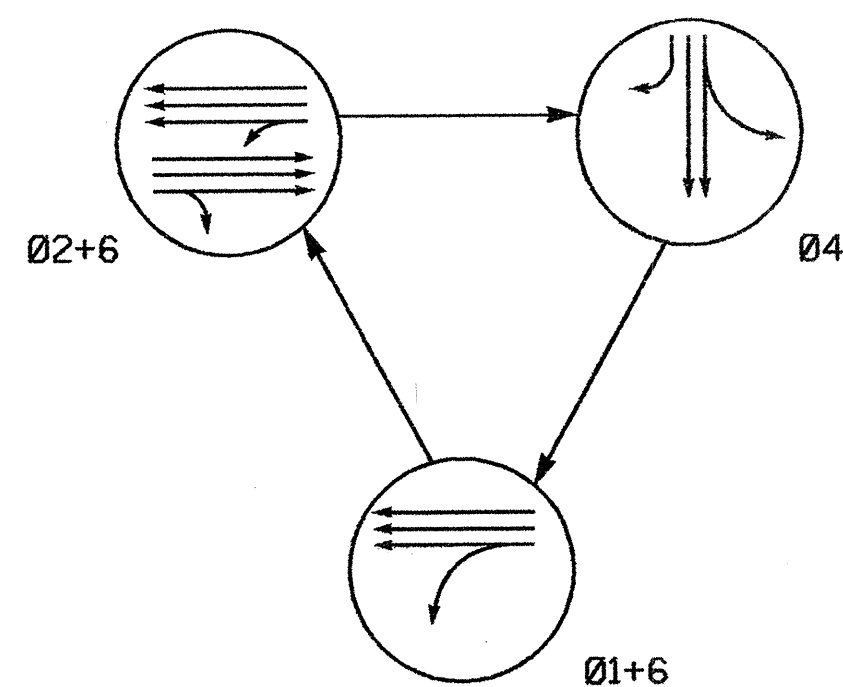


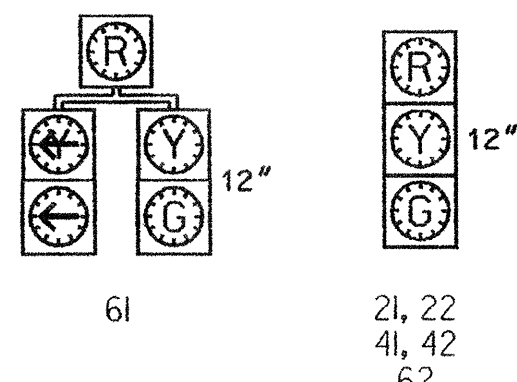
PHASING DIAGRAM



SIGNAL FACE	PHASE			
	Ø 1 + 6	Ø 2 + 6	Ø 4	FLASH
21, 22	R	G	R	Y
41, 42	R	R	G	R
61	G	G	R	Y
62	G	G	R	Y

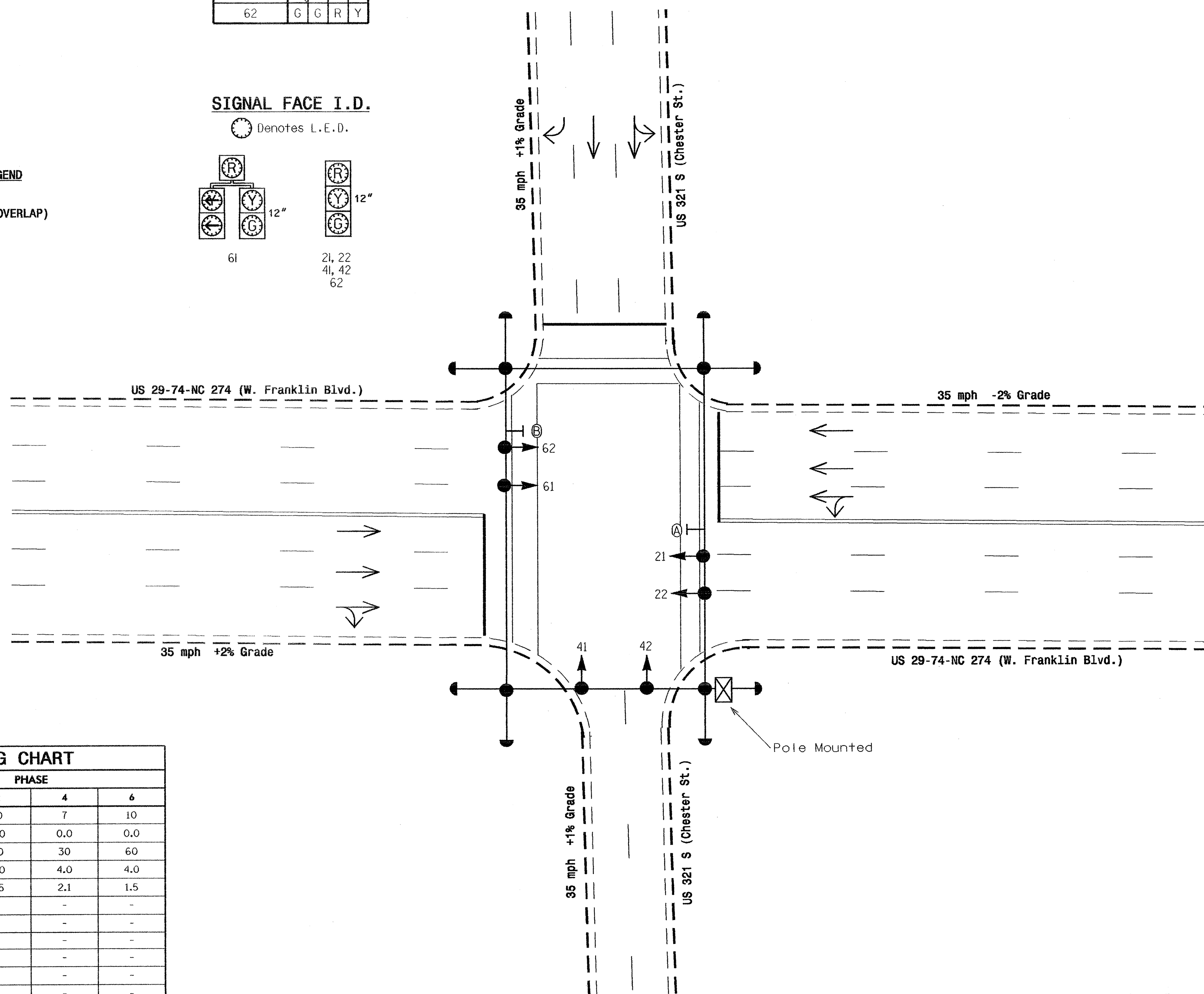
SIGNAL FACE I.D.

⊙ Denotes L.E.D.



PHASING DIAGRAM DETECTION LEGEND

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



3 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.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- Set all detector units to presence mode.
- City system data: Controller asset #0038

FEATURE	PHASE			
	1	2	4	6
Min Green 1 *	7	10	7	10
Extension 1 *	0.0	0.0	0.0	0.0
Max Green 1 *	15	60	30	60
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	1.3	1.5	2.1	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	MAX 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.

PROPOSED	EXISTING
○ → Traffic Signal Head	● → Traffic Signal Head
● → Modified Signal Head	N/A
⊥ Sign	⊥ Sign
⊥ Pedestrian Signal Head With Push Button & Sign	⊥ Pedestrian Signal Head
○ → 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
⊙ No Left Turn Sign (R3-2)	⊙ No Left Turn Sign (R3-2)
⊙ No Right Turn Sign (R3-1)	⊙ No Right Turn Sign (R3-1)

Signal Upgrade

	<p>US 29-74-NC 274 (W. Franklin Boulevard) at US 321 S (Chester Street)</p>		<p>SEAL</p>
	<p>Division 12 Gaston County Gastonia</p> <p>PLAN DATE: January 2005 REVIEWED BY: D. S. HAK</p> <p>PREPARED BY: WS/TSB REVIEWED BY:</p>	<p>SCALE: 1" = 20'</p> <p>REVISIONS: _____</p> <p>INIT. DATE</p>	
<p>SIGNATURE: _____ DATE: _____</p>			<p>SIG. INVENTORY NO. 12-0038</p>