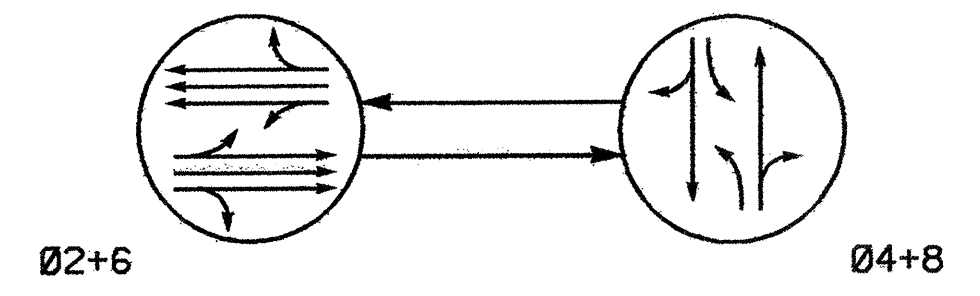


PHASING DIAGRAM



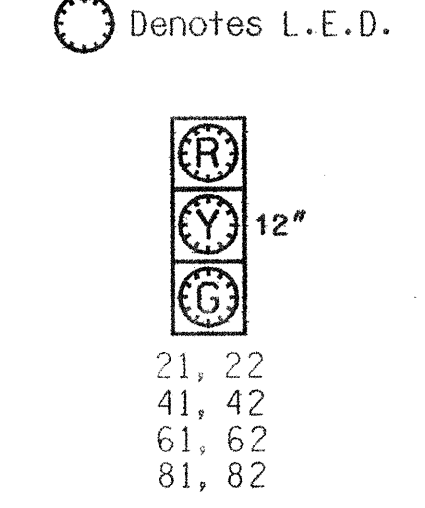
PHASING DIAGRAM DETECTION LEGEND

- ←● DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- ← UN SIGNALIZED MOVEMENT
- ←--- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø2+6	Ø4+8	FLASH
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R

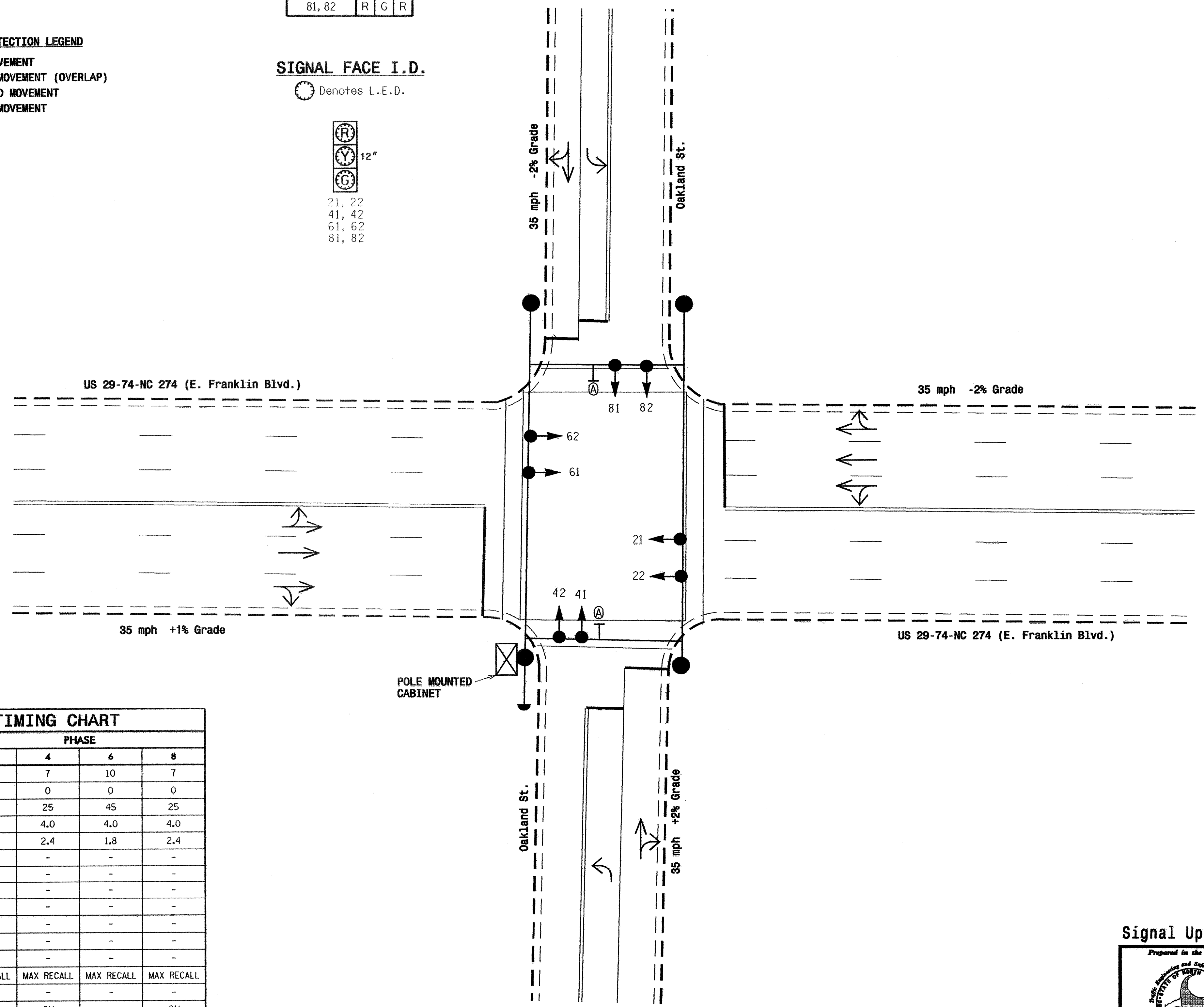
SIGNAL FACE I.D.



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. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
3. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
4. Pavement markings are existing.
5. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
6. Set all detector units to presence mode.
7. Closed city system data: Controller asset #0042



2070L TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1*	10	7	10	7
Extension 1*	0	0	0	0
Max Green 1*	45	25	45	25
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	1.8	2.4	1.8	2.4
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	-	ON	-	ON
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
○ → Traffic Signal Head	● → N/A
● → Modified Signal Head Sign	-
⊥ Pedestrian Signal Head With Push Button & Sign	⊥
○ Signal Pole with Guy	●
○ Signal Pole with Sidewalk Guy	●
⊠ Inductive Loop Detector Controller & Cabinet	⊠
□ Junction Box	■
- - - 2-in Underground Conduit	- - -
- - - Right of Way	- - -
→ Directional Arrow	→
→ Pavement Marking Arrow	→
Ⓐ Left Arrow "ONLY" Sign (R3-5L)	Ⓐ

Signal Upgrade

122 N. McDowell St., Raleigh, NC 27603

US 29-74-NC 274 (E. Franklin Boulevard) at Oakland Street

Division 12 Gaston County Gastonia

PLAN DATE: January 2005

PREPARED BY: K. Maldonado

SEAL

7 FEBRUARY 05

REVISIONS	INIT.	DATE

SIGNATURE: _____ DATE: _____
SIG. INVENTORY NO. 12-0042

12-MAY-2005 14:08 ...