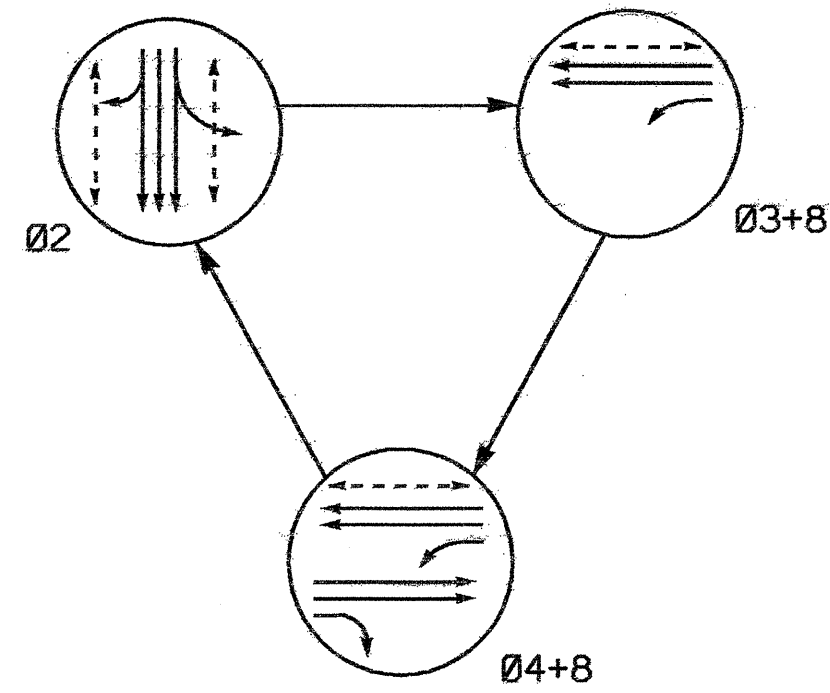


PHASING DIAGRAM



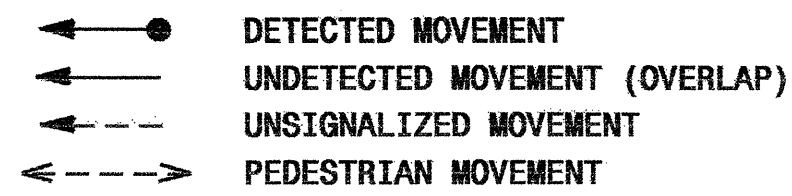
SIGNAL FACE	PHASE			
	Ø 2	Ø 3+8	Ø 4+8	FLASH H
21,22	G	R	R	Y
41,42	R	R	G	R
81	R	G	G	R
82,83	R	G	G	R
P21,P22	W	DW	DW	DRK
P23,P24	W	DW	DW	DRK
P81,P82	DW	W	W	DRK

**3 Phase
Pre-timed
Gastonia City System**

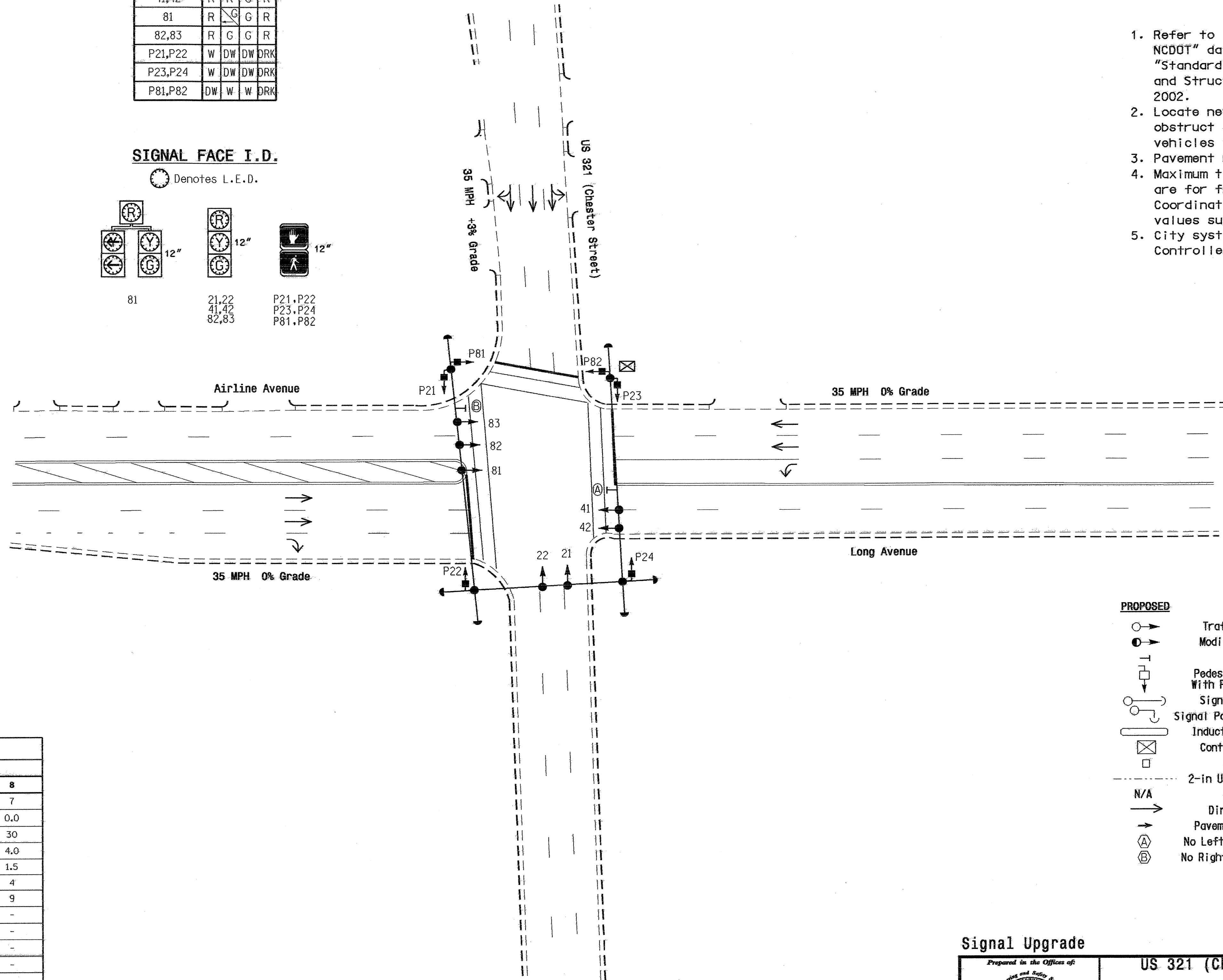
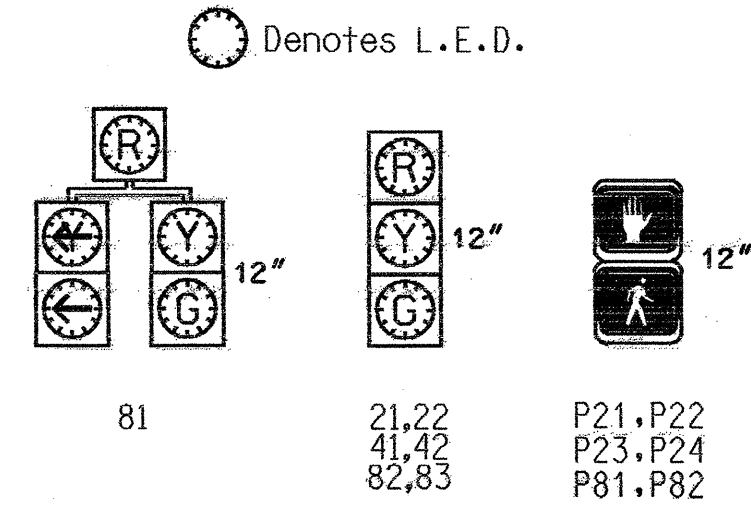
NOTES

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. Pavement markings are existing.
4. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
5. City system data: Controller Asset #0203.

PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE I.D.



2070L TIMING CHART

FEATURE	PHASE			
	2	3	4	8
Min Green 1 *	10	7	7	7
Extension 1 *	0.0	0.0	0.0	0.0
Max Green 1 *	60	15	30	30
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	1.9	1.5	1.5	1.5
Walk 1 *	4	-	-	4
Don't Walk 1	17	-	-	9
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX/PED RECALL	MAX 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.

PROPOSED	LEGEND	EXISTING
	Traffic Signal Head	
	Modified Signal Head	
	Sign	
	Pedestrian Signal Head	
	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	
	No Left Turn Sign (R3-2L)	
	No Right Turn Sign (R3-2R)	

Signal Upgrade

122 N. McDowell St., Raleigh, NC 27603

**US 321 (Chester Street)
at
Long Avenue/Airline Avenue**

Division 12 Gaston County Gastonia

PLAN DATE: January 2005 REVIEWED BY: D.V. Ishak

PREPARED BY: Z.M. Little REVIEWED BY:

SEAL

SIGNATURE DATE

SIG. INVENTORY NO. 12-0203

SCALE 0 30
1"=30'

REVISIONS	INIT.	DATE