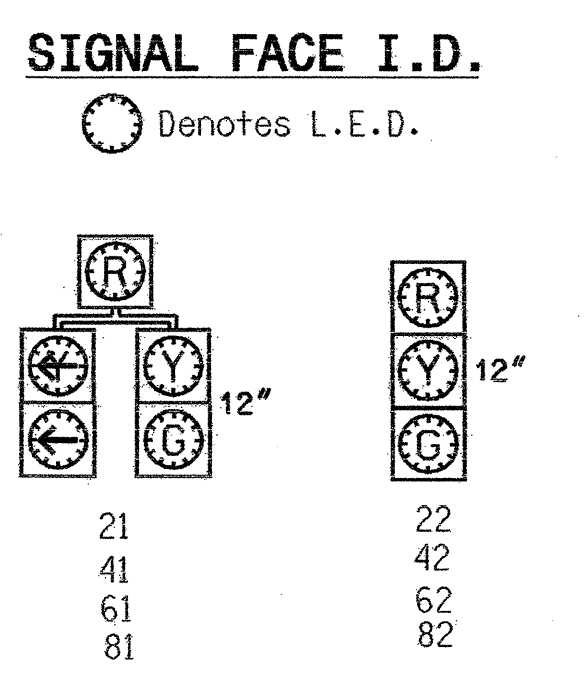


TABLE OF OPERATION

SIGNAL FACE	PHASE								F HEAD
	Ø1+5	Ø1+6	Ø2+5	Ø2+6	Ø3+7	Ø3+8	Ø4+7	Ø4+8	
21	R	R	G	G	R	R	R	R	Y
22	R	R	G	G	R	R	R	R	Y
41	R	R	R	R	R	R	G	G	R
42	R	R	R	R	R	R	G	G	R
61	R	G	R	G	R	R	R	R	Y
62	R	G	R	G	R	R	R	R	Y
81	R	R	R	R	R	R	G	R	G
82	R	R	R	R	R	R	G	R	G



2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	DETECTOR PROGRAMMING						NEW CAB
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	
1A	6X60	EXISTING	EXISTING	-	6	Y	Y	-	-	3	Y
1A	6X60	EXISTING	EXISTING	-	1	Y	Y	-	-	15	Y
2A	6X6	EXISTING	EXISTING	-	2	Y	Y	-	1.8	-	Y
2B	6X6	EXISTING	EXISTING	-	2	Y	Y	-	1.8	-	Y
2C	6X6	EXISTING	EXISTING	-	2	Y	Y	-	-	-	Y
2D	6X6	EXISTING	EXISTING	-	2	Y	Y	-	-	-	Y
3A	6X60	EXISTING	EXISTING	-	8	Y	Y	-	-	-	Y
3A	6X60	EXISTING	EXISTING	-	3	Y	Y	-	-	15	Y
4A	6X60	EXISTING	EXISTING	-	4	Y	Y	-	-	-	Y
4B	6X60	EXISTING	EXISTING	-	4	Y	Y	-	-	10	Y
5A	6X60	EXISTING	EXISTING	-	2	Y	Y	Y	-	3	Y
5A	6X60	EXISTING	EXISTING	-	5	Y	Y	-	-	15	Y
6A	6X6	EXISTING	EXISTING	-	6	Y	Y	-	1.8	-	Y
6B	6X6	EXISTING	EXISTING	-	6	Y	Y	-	1.8	-	Y
6C	6X6	EXISTING	EXISTING	-	6	Y	Y	-	-	-	Y
6D	6X6	EXISTING	EXISTING	-	6	Y	Y	-	-	-	Y
7A	6X60	EXISTING	EXISTING	-	4	Y	Y	-	-	-	Y
7A	6X60	EXISTING	EXISTING	-	7	Y	Y	-	-	15	Y
8A	6X60	EXISTING	EXISTING	-	8	Y	Y	-	-	-	Y
8B	6X60	EXISTING	EXISTING	-	8	Y	Y	-	-	10	Y

8 Phase Fully Actuated (Gastonia City System)

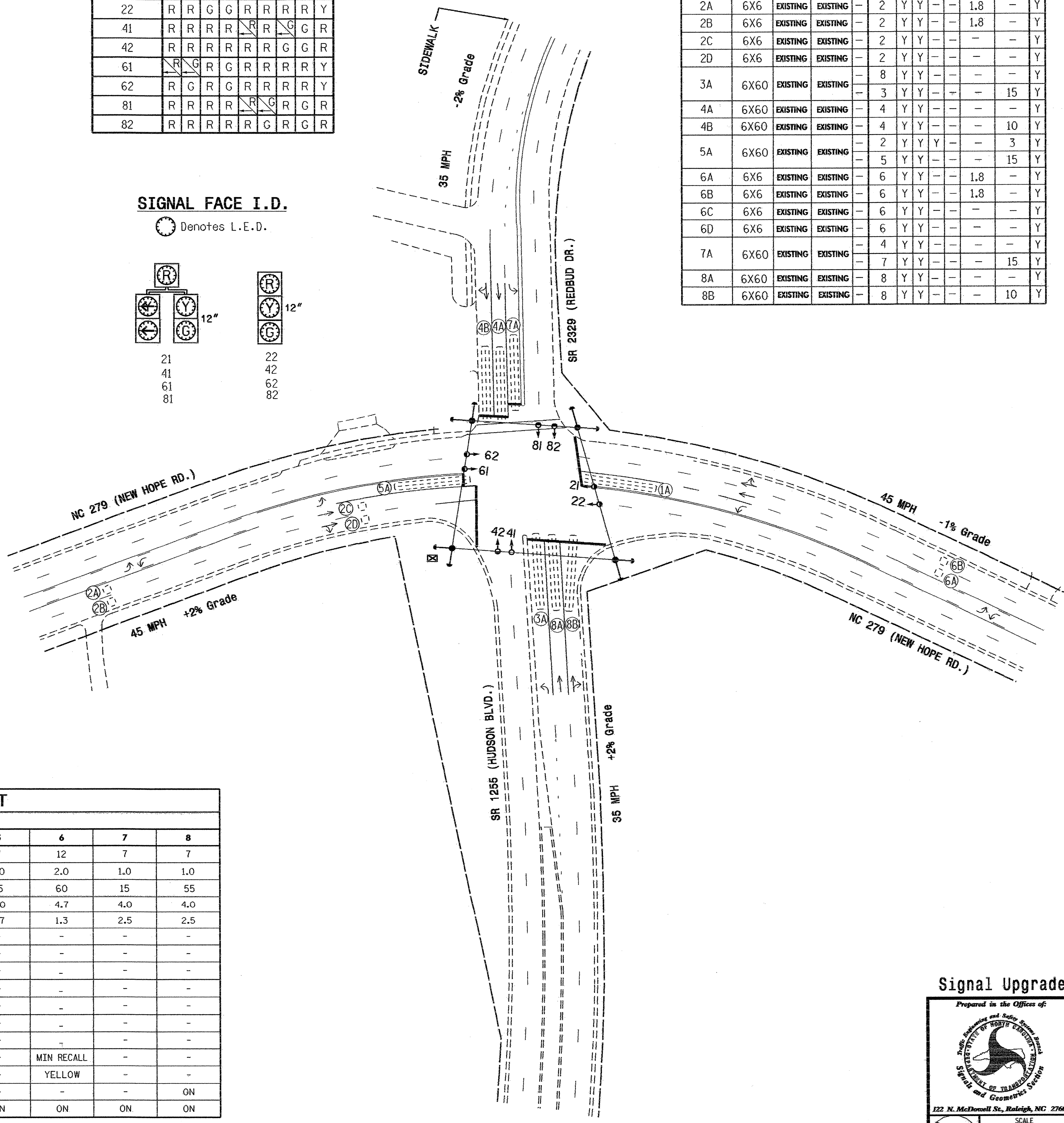
NOTES

- 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.
- Omit phase 1 during phase 2 on.
- Omit phase 5 during phase 6 on.
- Omit phase 3 during phase 4 on.
- Omit phase 7 during phase 8 on.
- Program controller to clear from phase 2+6 to phase 1 and /or 5 by progressing through phase 4+8 (see Electrical Details).
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- City system data: Controller Asset 0326.

2070L TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1*	7	12	7	7	7	12	7	7
Extension 1*	1.0	2.0	1.0	1.0	1.0	2.0	1.0	1.0
Max Green 1*	15	90	15	55	15	60	15	55
Yellow Clearance	4.0	4.7	4.0	4.0	4.0	4.7	4.0	4.0
Red Clearance	1.7	1.3	2.0	2.5	1.7	1.3	2.5	2.5
Walk 1*	-	-	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-	-	-
Seconds Per Actuation*	-	-	-	-	-	-	-	-
Max Variable Initial*	-	-	-	-	-	-	-	-
Time Before Reduction*	-	-	-	-	-	-	-	-
Time To Reduce*	-	-	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-	-	-
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW	-	-
Dual Entry	-	-	-	ON	-	-	-	ON
Simultaneous Gap	ON	ON	ON	ON	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

Signal Upgrade

Prepared in the Office of:

 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 TRANSPORTATION ENGINEER

NC 279 (New Hope Rd.)
at
SR 2329 (Red Bud Dr.) /
SR 1255 (Hudson Blvd.)

Division 12 Gaston County Gastonia

PLAN DATE: September 2004 REVIEWED BY: Z. Little

PREPARED BY: C. Pierce REVIEWED BY:

SEAL

 E. MULLINAX
 ENGINEER
 No. 24007

SCALE: 0 50
 1"=50'

REVISIONS: _____ INIT. DATE _____

SIGNATURE: _____ DATE: _____

SIG. INVENTORY NO. 12-0326