PHASING DIAGRAM

Ø2+6   4+8

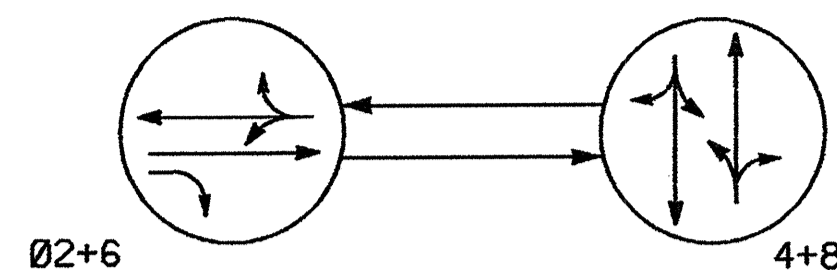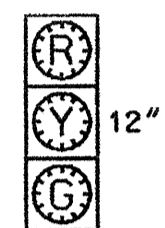### PHASING DIAGRAM DETECTION LEGEND

➞● DETECTED MOVEMENT
➞ UNDETECTED MOVEMENT (OVERLAP)
◂– – UNSIGNALIZED 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.
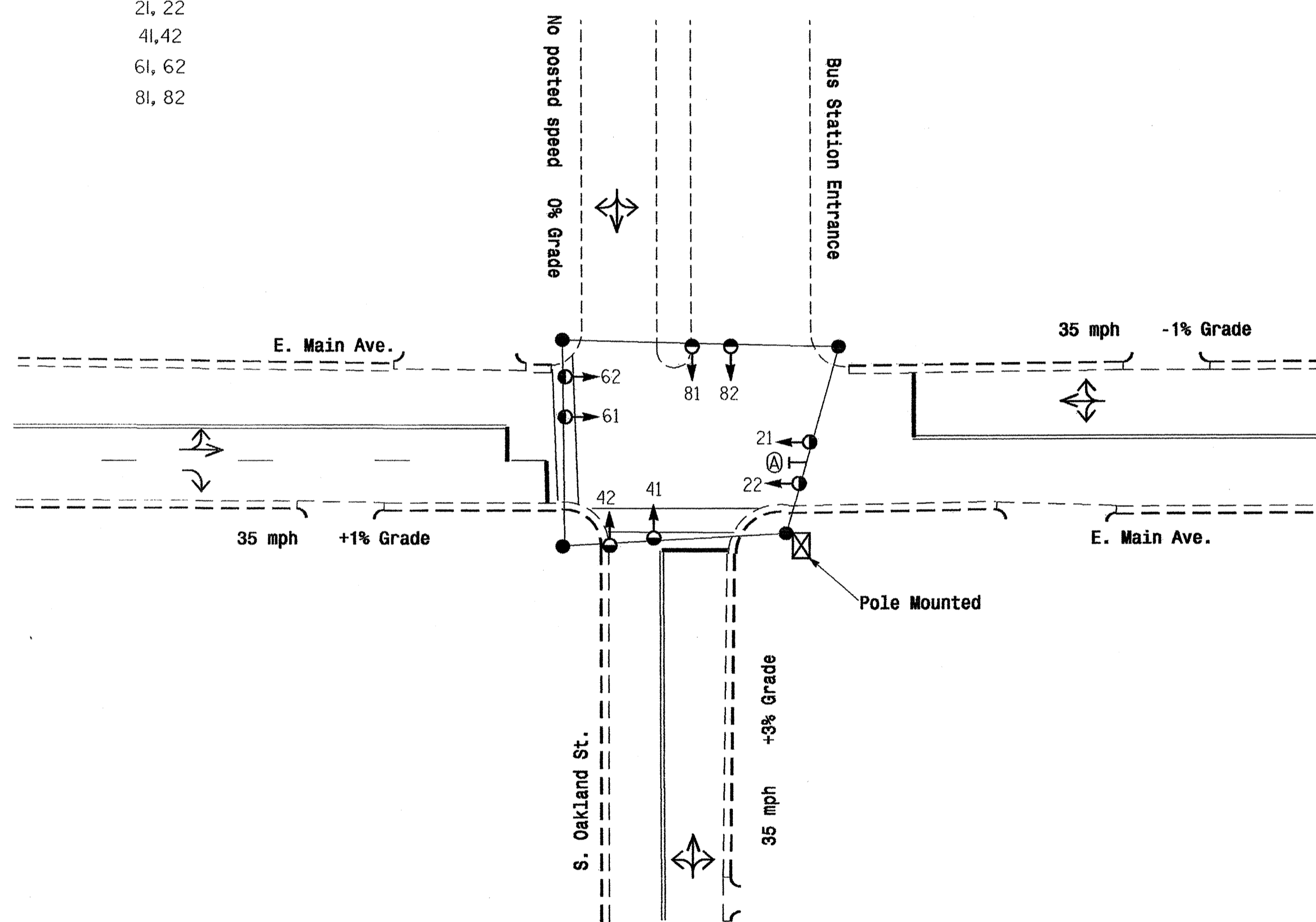
◯ Denotes L.E.D.

⊙R
⊙Y 12"
⊙G

21, 22
41, 42
61, 62
81, 82

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. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Pavement markings are existing.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
7. City system data: Controller Asset #5004.

E. Main Ave.

35 mph   -1% Grade

62
81 82
61

21
Ⓐ
22

42 41

35 mph +1% Grade

E. Main Ave.

No posted speed   0% Grade

Bus Station Entrance

S. Oakland St.

35 mph +3% Grade

Pole Mounted

Signal Upgrade

2070L TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	0.0	0.0	0.0	0.0
Max Green 1 *	45	25	45	25
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	2.4	1.4	2.4	1.4
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	–	–	–	–
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	●➞
◑➞	Modified Signal Head	N/A
⊣	Sign	⊣
	Pedestrian Signal Head With Push Button & Sign	
○—⌐	Signal Pole with Guy	
○—J	Signal Pole with Sidewalk Guy	
⬭	Inductive Loop Detector	(⌁⌁⌁)
⊠	Controller & Cabinet	⧓
□	Pull Box	■
–·–·–	2-in Underground Conduit	–·–·–
▲—	Right of Way with Marker	—△—
—➞	Directional Arrow	—➞
➞	Pavement Marking Arrow	➞
N/A	Through Arrow "ONLY" Sign (R3-5A)	Ⓐ

E. Main Ave.
at
S. Oakland Street
/ Bus Station Ent.

Division 12   Gaston County   Gastonia

PLAN DATE:	February 2005	REVIEWED BY:	
PREPARED BY:	C. Pierce	REVIEWED BY:	D. Y. Ishak

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
2002
D. Y. MULINIX

SIGNATURE   DATE

City-06

SCALE
0   30
1" = 30'

N