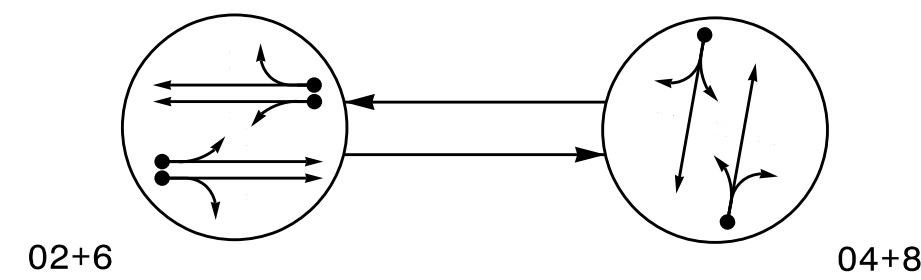


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

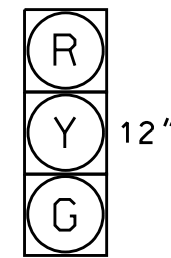
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04+8	FLASH
21, 22	G	R	Y
41, 42, 43	R	G	R
61, 62	G	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



21, 22
41, 42, 43
61, 62
81, 82

NEMA LOOP & DETECTOR INSTALLATION CHART with TS-2 CABINET

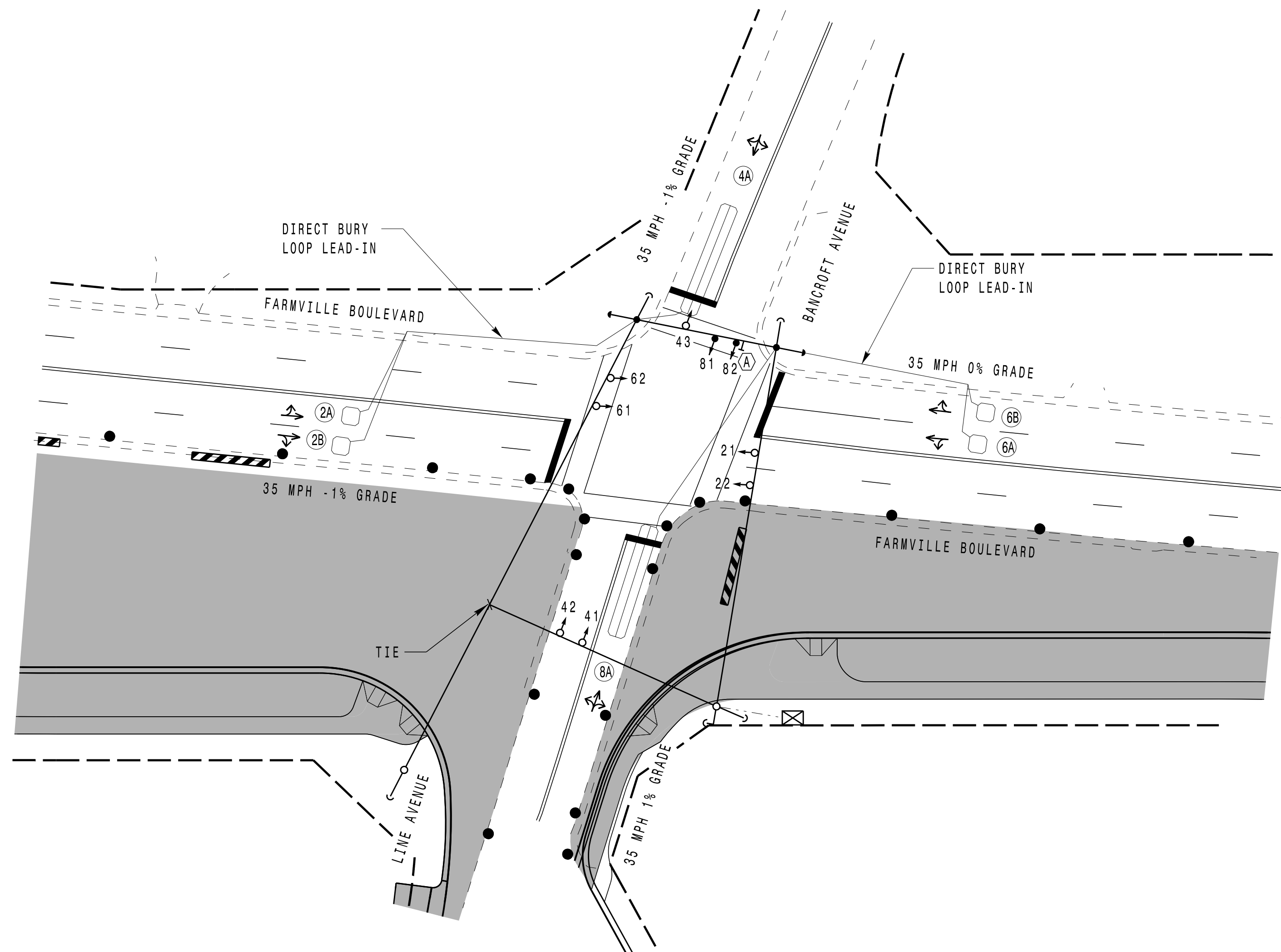
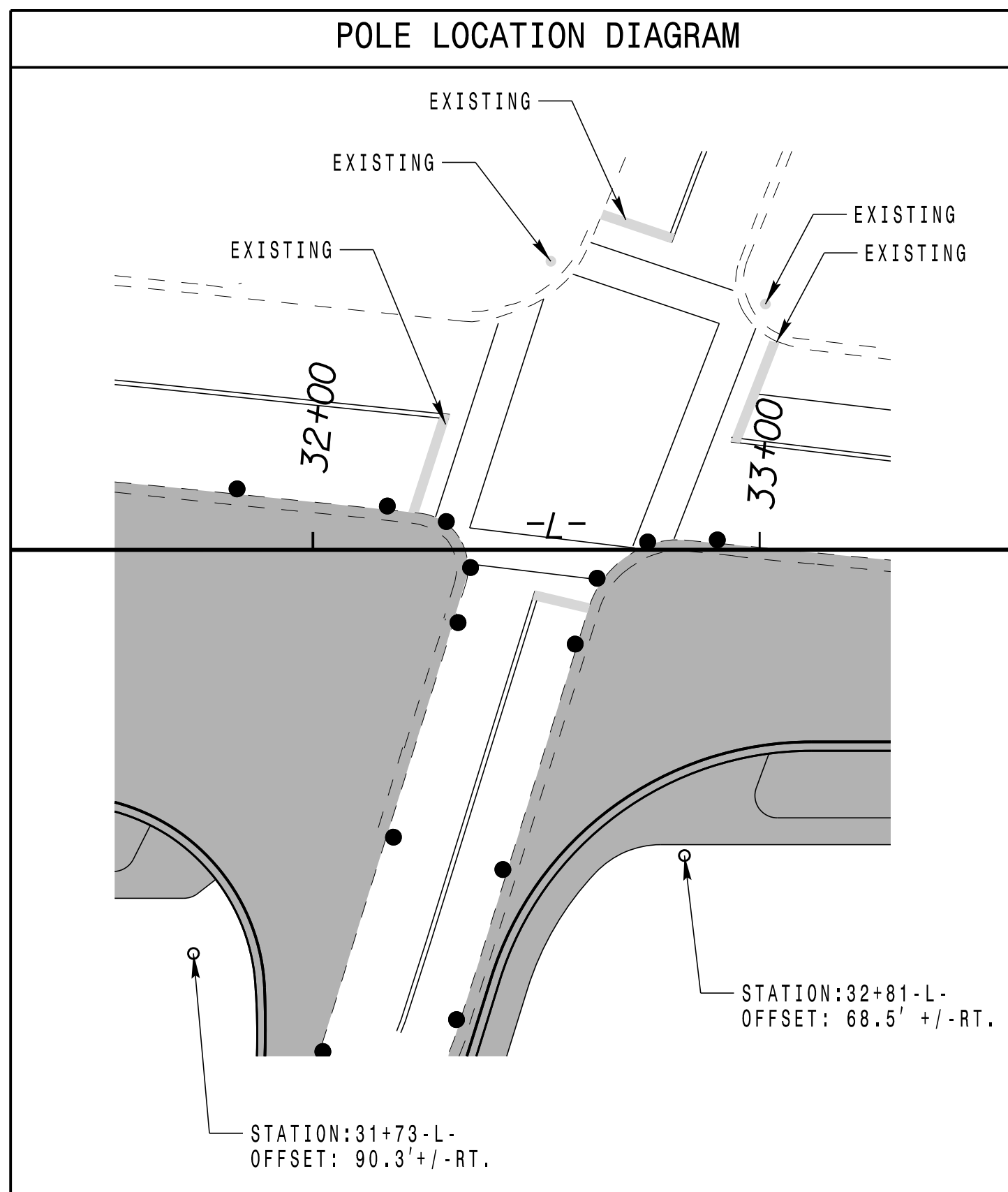
LOOP NO.	SIZE (ft)	DIST. FROM STOPBAR (ft)	TURNS	INDUCTIVE LOOPS		DETECTOR UNITS				
				NEW	EXISTING	NEMA PHASE	NEW	EXISTING	TIMING	INHIBIT DELAY DURING GREEN?
2A, 2B	6X6	70	4	X	-	2	X	-	-	NO
4A	6X40	+5	2-4-2	X	-	4	X	-	DELAY 3	YES
6A, 6B	6X6	70	4	X	-	6	X	-	-	NO
8A	6X40	+5	2-4-2	X	-	8	X	-	DELAY 3	YES

2 PHASE FULLY ACTUATED (GREENVILLE SIGNAL SYSTEM)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Program phase 4 and phase 8 for dual entry.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 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.
- Intersection Zone Number: 4
System Address Number: 91

POLE LOCATION DIAGRAM



LEGEND

- | | | | |
|-----|--|-----|---|
| ○ | TRAFFIC SIGNAL HEAD | ● | EXISTING TRAFFIC SIGNAL HEAD |
| ○ | MODIFIED SIGNAL HEAD | N/A | |
| ○ | SIGN | + | |
| ○ | PEDESTRIAN SIGNAL HEAD WITH PUSH BUTTON & SIGN | + | |
| ○ | SIGNAL POLE WITH GUY | ○ | EXISTING SIGNAL POLE WITH GUY |
| ○ | SIGNAL POLE WITH SIDEWALK GUY | ○ | EXISTING SIGNAL POLE WITH SIDEWALK GUY |
| ○ | INDUCTIVE LOOP DETECTOR | ○ | EXISTING INDUCTIVE LOOP DETECTOR |
| ○ | CONTROLLER & CABINET | ○ | EXISTING CONTROLLER & CABINET |
| ○ | JUNCTION BOX | ○ | EXISTING JUNCTION BOX |
| ○ | 2-IN UNDERGROUND CONDUIT | ○ | EXISTING 2-IN UNDERGROUND CONDUIT |
| N/A | RIGHT OF WAY | --- | |
| → | DIRECTIONAL ARROW | → | EXISTING DIRECTIONAL ARROW |
| ■ | CONSTRUCTION ZONE | ■ | EXISTING CONSTRUCTION ZONE |
| ○ | CONSTRUCTION ZONE DRUMS | ○ | EXISTING CONSTRUCTION ZONE DRUMS |
| ○ | "NO TURN ON RED" SIGN (R10-11) | ○ | EXISTING "NO TURN ON RED" SIGN (R10-11) |

ASC3 TIMING CHART NEMA CONTROLLER

PHASE	02	04	06	08
MINIMUM GREEN*	10 SEC.	7 SEC.	10 SEC.	7 SEC.
PASSAGE/GAP*	3.0 SEC.	2.0 SEC.	3.0 SEC.	2.0 SEC.
YELLOW CHANGE INT.	3.9 SEC.	3.9 SEC.	3.8 SEC.	3.8 SEC.
RED CLEARANCE	1.4 SEC.	1.5 SEC.	1.3 SEC.	1.5 SEC.
MAX. 1"	35 SEC.	25 SEC.	35 SEC.	25 SEC.
RECALL POSITION	MIN. RECALL	NONE	MIN. RECALL	NONE
VEH. CALL MEMORY	NONLOCK	NONLOCK	NONLOCK	NONLOCK
WALK*	- SEC.	- SEC.	- SEC.	- SEC.
FLASHING DON'T WALK	- SEC.	- SEC.	- SEC.	- SEC.
VOLUME DENSITY	OFF	OFF	OFF	OFF
ACTUATION B4 ADD	- VEH.	- VEH.	- VEH.	- VEH.
SEC. PER ACTUATION*	- SEC.	- SEC.	- SEC.	- SEC.
MAX. INITIAL*	- SEC.	- SEC.	- SEC.	- SEC.
TIME B4 REDUCTION*	- SEC.	- SEC.	- SEC.	- SEC.
TIME TO REDUCE*	- SEC.	- SEC.	- SEC.	- SEC.
MINIMUM GAP	- SEC.	- SEC.	- SEC.	- SEC.

* These values may be field adjusted. Do not adjust Passage /Gap times for phases 2, 4, 6, and 8 lower than what is shown. Min Green for all phases should not be lower than 4 seconds.

TEMPORARY DESIGN 1 - TMP PHASE 1

Prepared For:

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FARMVILLE BOULEVARD
AT
BANCROFT AVENUE /
LINE AVENUE

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE: JUNE 2014 REVIEWED BY: SL PHILLIPS

PREPARED BY: SP PENNINGTON REVIEWED BY:

SEAL

 Stacie Phillips
 9/2/2014
 SIGNATURE DATE