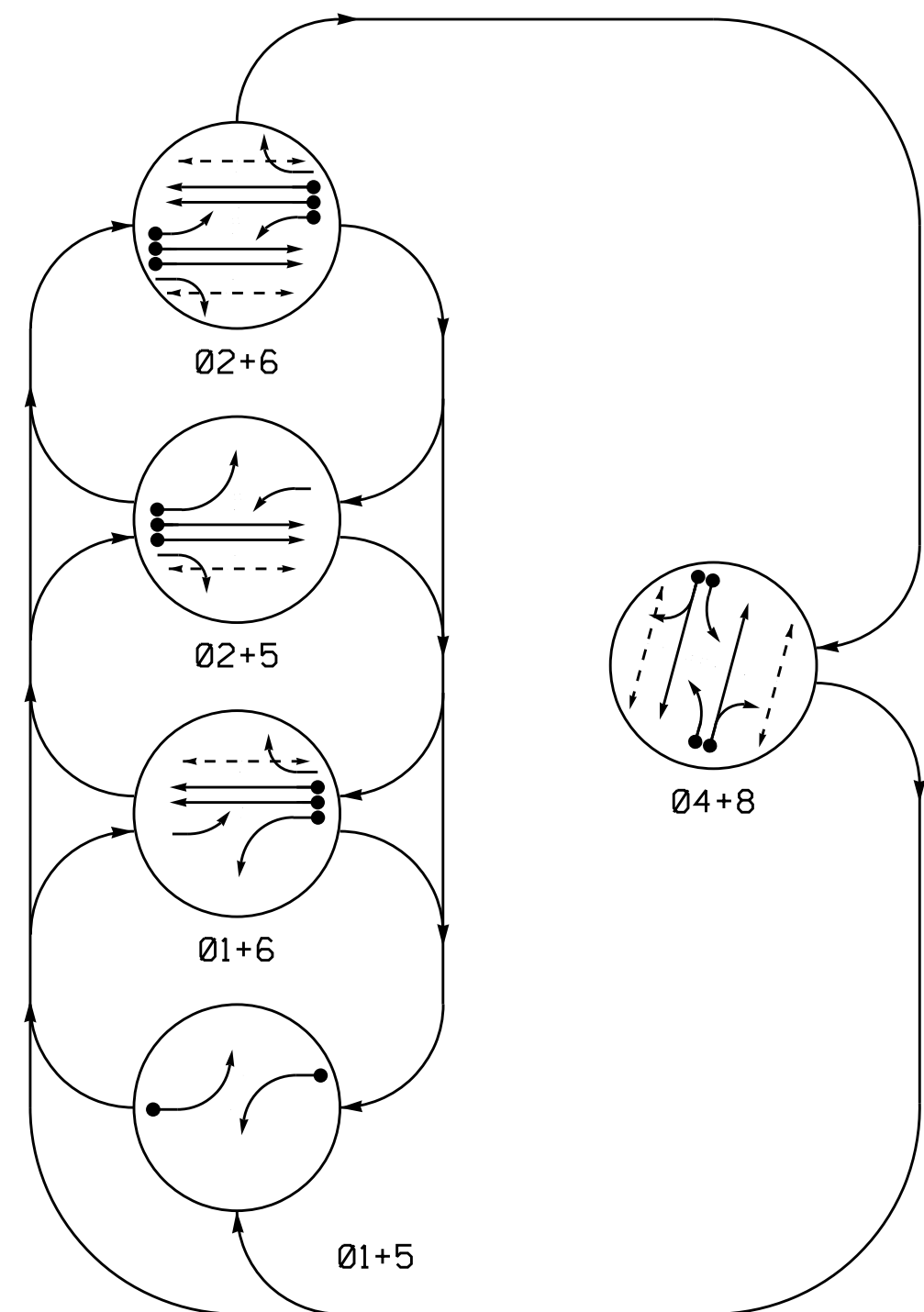


PHASING DIAGRAM

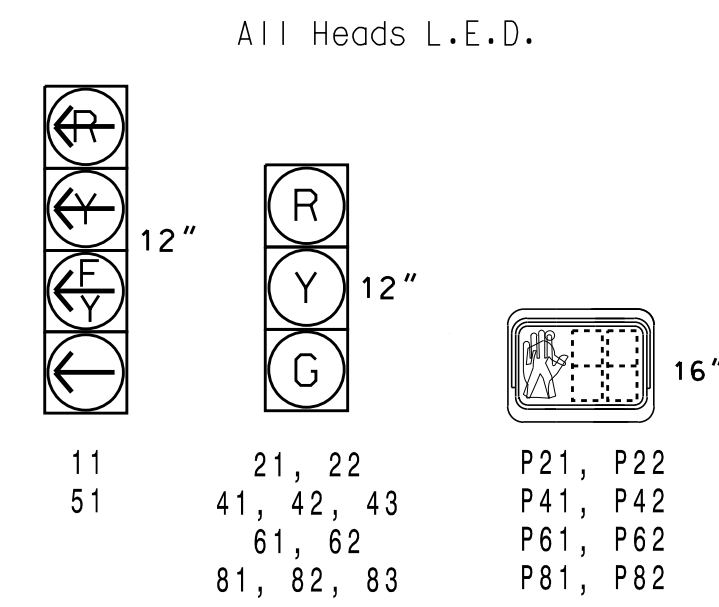


PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	FASH
11	←	←	←	←	←	←
21, 22	R	R	G	G	R	Y
41, 42, 43	R	R	R	R	G	R
51	←	←	←	←	←	←
61, 62	R	G	R	G	R	Y
81, 82, 83	R	R	R	R	G	R
P21, P22	DW	DW	W	W	DW	DRK
P41, P42	DW	DW	DW	DW	W	DRK
P61, P62	DW	W	DW	W	DW	DRK
P81, P82	DW	DW	DW	DW	W	DRK

SIGNAL FACE I.D.

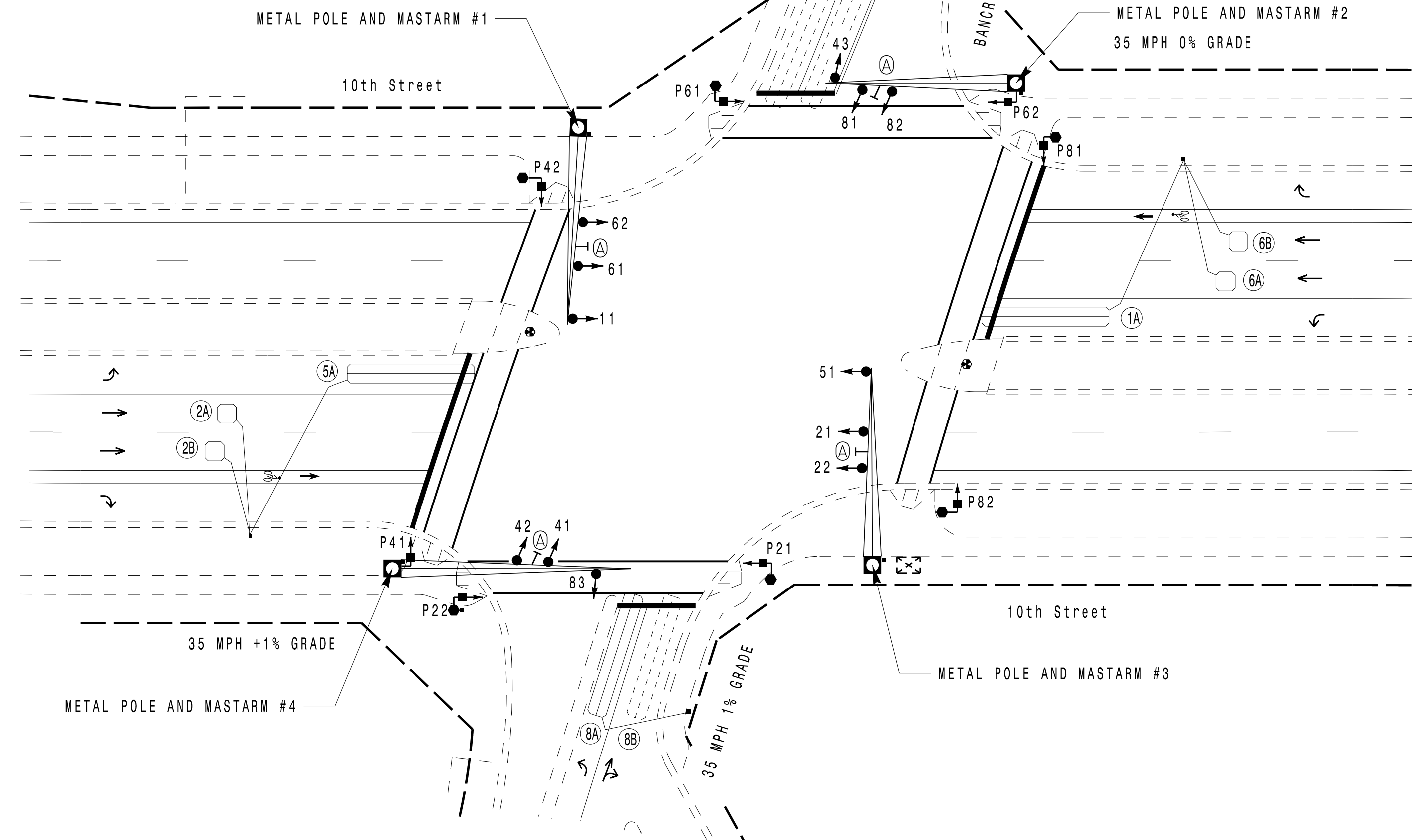


NEMA LOOP & DETECTOR INSTALLATION CHART with TS-2 CABINET											
LOOP NO.	SIZE (ft)	DIST. FROM STOPBAR (ft)	TURNS	NEW EXISTING	NEMA PHASE		TIMING		INHIBIT DELAY DURING GREEN?		
					NEW	EXISTING	FEATURE	TIME			
1A	6X40	+5	2-4-2	X	-	1	-	X	DELAY	15	NO
2A, 2B	6X6	70	4	-	X	2	-	X	-	-	NO
4A	6X40	+5	2-4-2	X	-	4	-	X	DELAY	3	YES
4B	6X40	+5	2-4-2	X	-	4	-	X	DELAY	10	YES
5A	6X40	+5	2-4-2	X	-	5	-	X	DELAY	15	NO
6A, 6B	6X6	70	4	X	-	6	-	X	-	-	NO
8A	6X40	+5	2-4-2	X	-	8	-	X	-	-	NO
8B	6X40	+5	2-4-2	X	-	8	X	-	DELAY	10	YES

5 PHASE FULLY ACTUATED (GREENVILLE SIGNAL SYSTEM)

NOTES

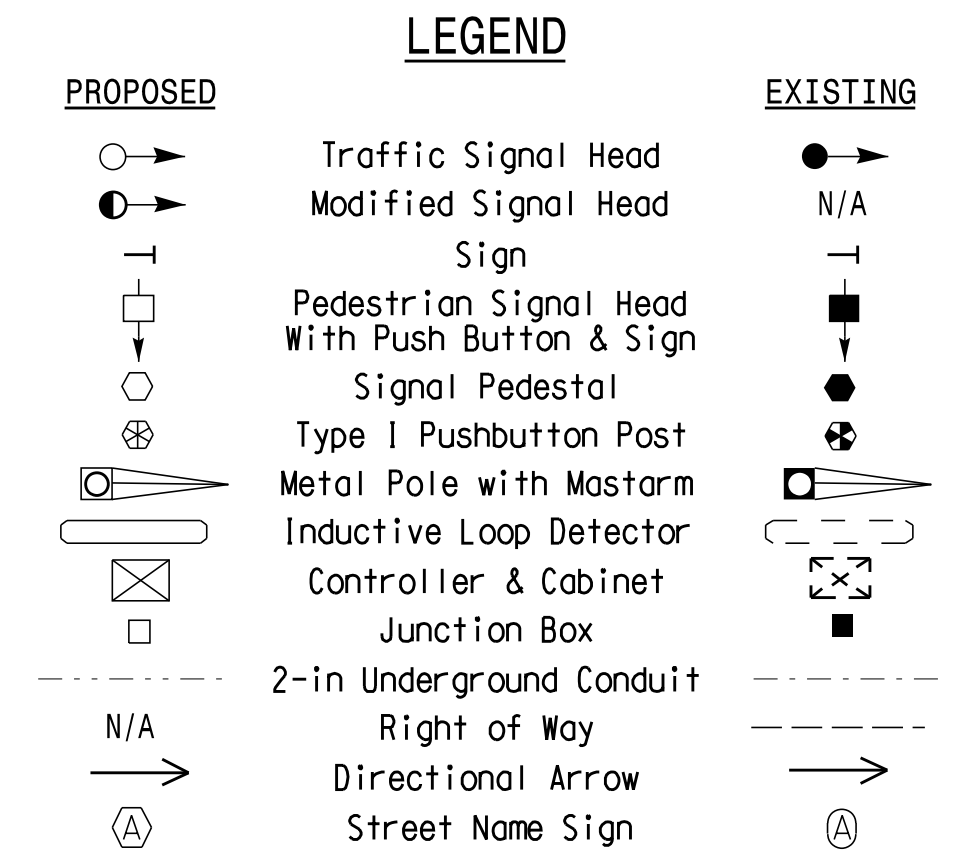
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or 5 may be lagged.
- Program phase 4 and phase 8 for dual entry.
- Reposition existing signal heads 11, 21, 22, 51, 61 and 62.
- Set all detector units to presence mode.
- Pavement markings are existing.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 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



ASC3 NEMA TIMING CHART

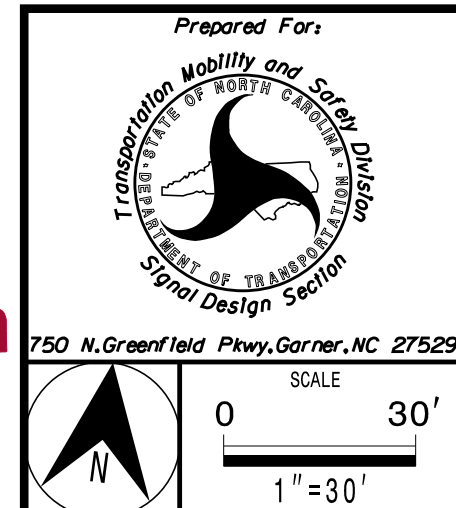
FEATURE	PHASE						
	01	02	04	05	06	08	
MINIMUM GREEN *	7 SEC.	10 SEC.	7 SEC.	7 SEC.	10 SEC.	7 SEC.	
PASSAGE GAP *	2.0 SEC.	3.0 SEC.	2.0 SEC.	2.0 SEC.	3.0 SEC.	2.0 SEC.	
YELLOW CHANGE INT.	3.0 SEC.	3.8 SEC.	3.8 SEC.	3.0 SEC.	3.8 SEC.	3.8 SEC.	
RED CLEARANCE	4.1 SEC.	3.3 SEC.	3.2 SEC.	4.0 SEC.	3.3 SEC.	3.1 SEC.	
MAXIMUM 1*	30 SEC.	60 SEC.	45 SEC.	30 SEC.	60 SEC.	45 SEC.	
RECALL POSITION	NONE	MIN. RECALL	NONE	NONE	MIN. RECALL	NONE	
VEHICLE CALL MEMORY	NONLOCK	LOCK	NONLOCK	NONLOCK	LOCK	NONLOCK	
WALK *	- SEC.	7 SEC.	7 SEC.	- SEC.	7 SEC.	7 SEC.	
FLASHING DON'T WALK	- SEC.	20 SEC.	30 SEC.	- SEC.	20 SEC.	30 SEC.	
VOLUME DENSITY	OFF	OFF	OFF	OFF	OFF	OFF	
ACTUATION B4 ADD *	- VEH.	- VEH.	- VEH.	- VEH.	- VEH.	- VEH.	
SEC. PER ACTUATION *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	
MAX. INITIAL *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	
TIME B4 REDUCTION *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	
TIME TO REDUCE *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	
MINIMUM GAP	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	

* 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.



FINAL DESIGN

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn
NC License #F-0102
P.O. Box 33068
Raleigh, NC 27636
(919) 677-2000



10th STREET AT BANCROFT AVENUE / LINE AVENUE

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE: JUNE 2014 REVIEWED BY: SL PHILLIPS

PREPARED BY: SP PENNINGTON REVIEWED BY:

REVISIONS: INIT. DATE

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER

STACIE L. PHILLIPS

032607

DocuSigned by: Stacie Phillips 9/2/2014

SIGNATURE DATE

SIG. INVENTORY NO. 02-0892

8/29/2014 10:56:29 AM susan.pennington K:\RAL_Roadway\01036175 (U-3315)\Traffic\Signal\Signal\44 - Signal Design\2-G-091 Bancroft\2.B 020892-1\0829.dgn