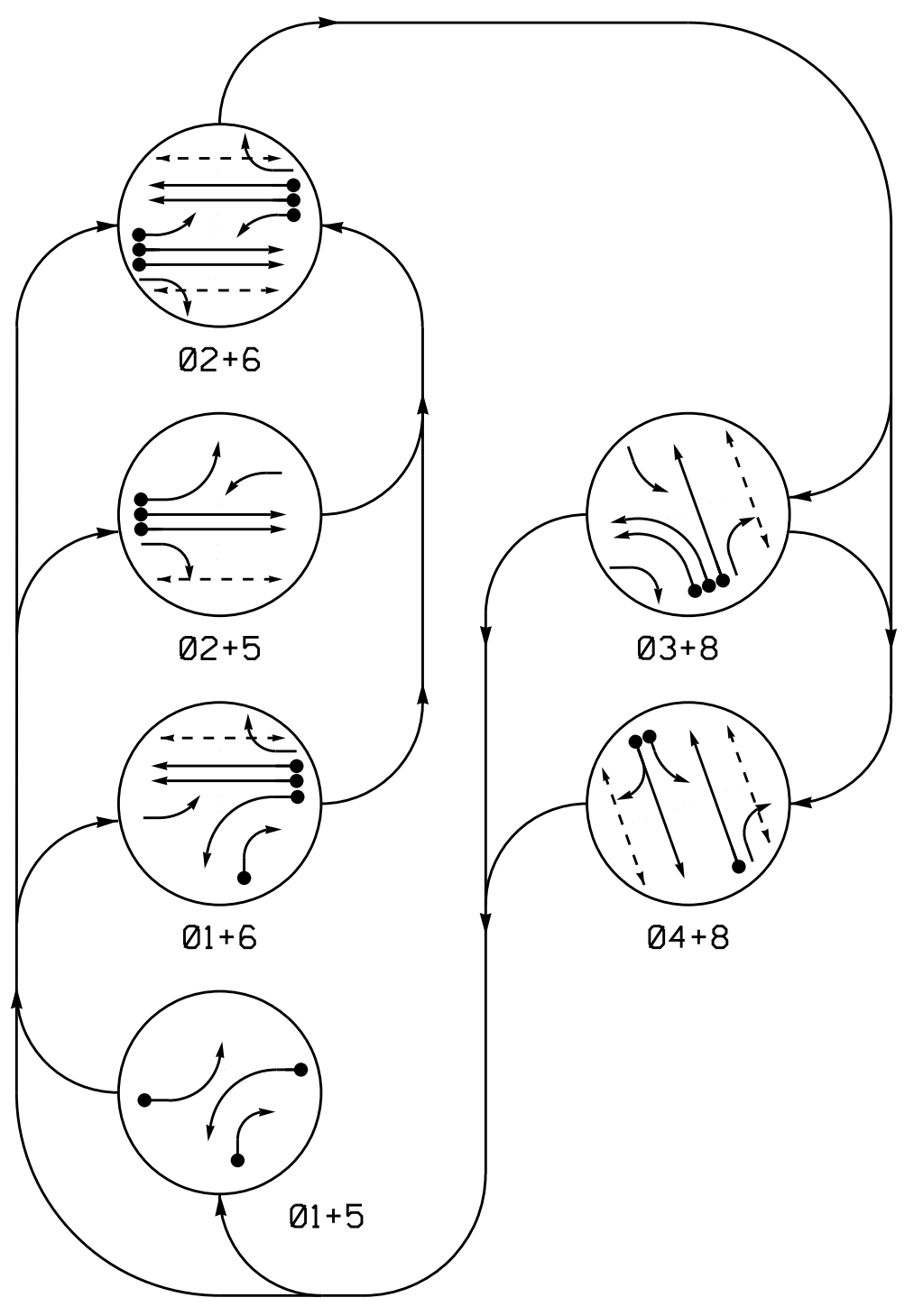


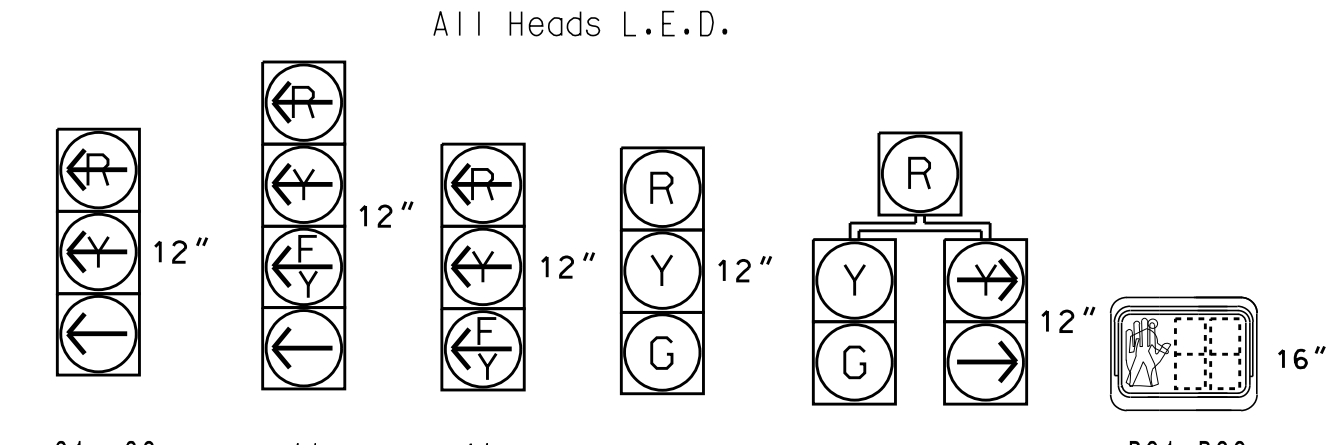
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
 ● DETECTED MOVEMENT
 ○ UNDETECTED MOVEMENT (OVERLAP)
 - - - UNSIGNALIZED MOVEMENT
 <--> PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+8	04+8	F	T
11	-	-	F	F	R	R	Y	Y
21, 23	R	R	G	G	R	R	Y	Y
22	R	R	G	G	R	R	Y	Y
31, 32	R	R	R	R	F	F	R	R
41	R	R	R	R	F	F	R	R
42, 43, 44	R	R	R	R	G	G	R	R
51	-	F	-	F	R	R	Y	Y
61, 62, 63	R	G	R	G	R	R	Y	Y
81, 82	R	R	R	R	G	G	R	R
83	R	R	R	R	G	G	R	R
P21, P22	DW	DW	W	W	DW	DW	DRK	DRK
P41, P42	DW	DW	DW	DW	DW	W	DRK	DRK
P61, P62	DW	W	DW	W	DW	DW	DRK	DRK
P81, P82	DW	DW	DW	DW	W	W	DRK	DRK

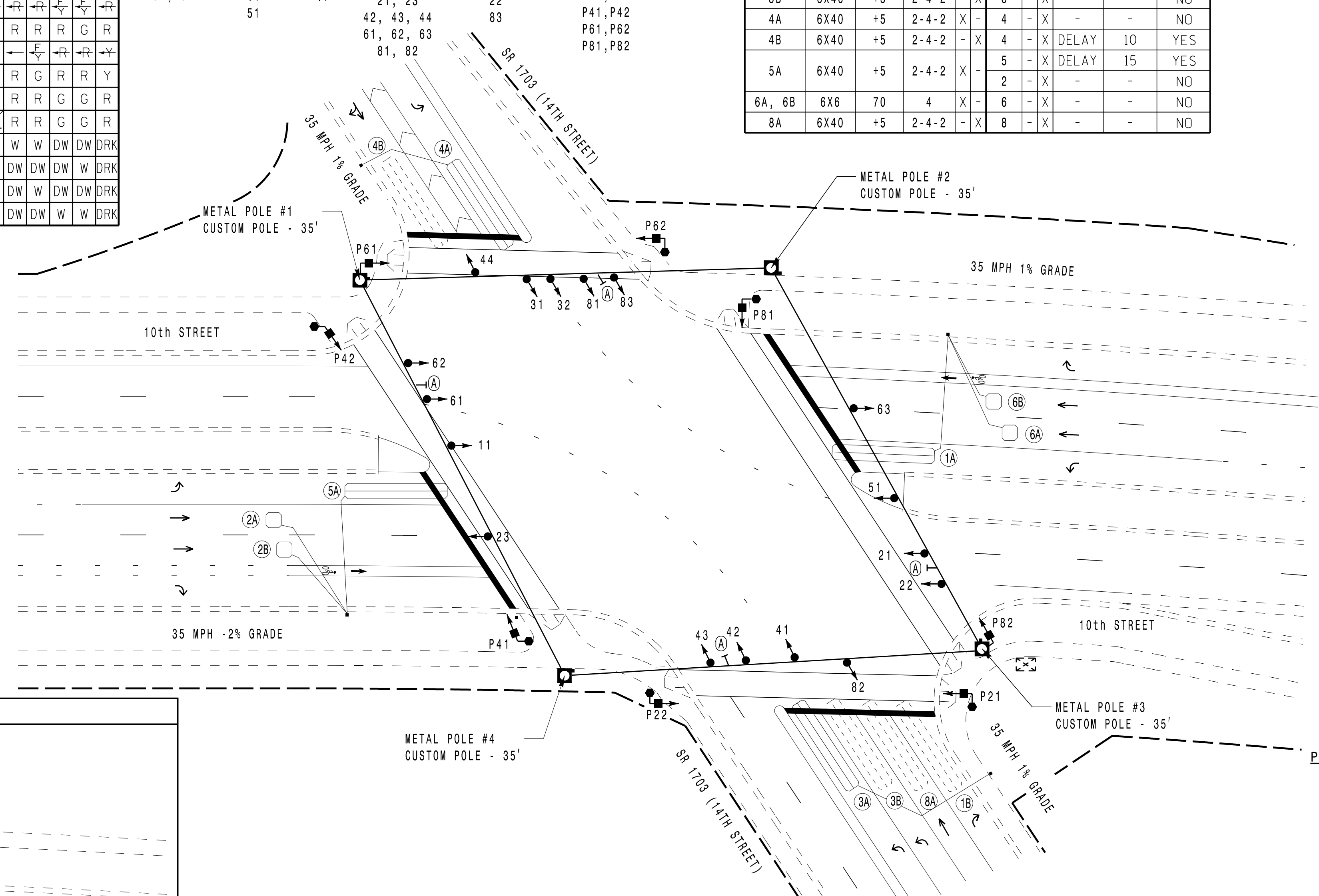
SIGNAL FACE I.D.



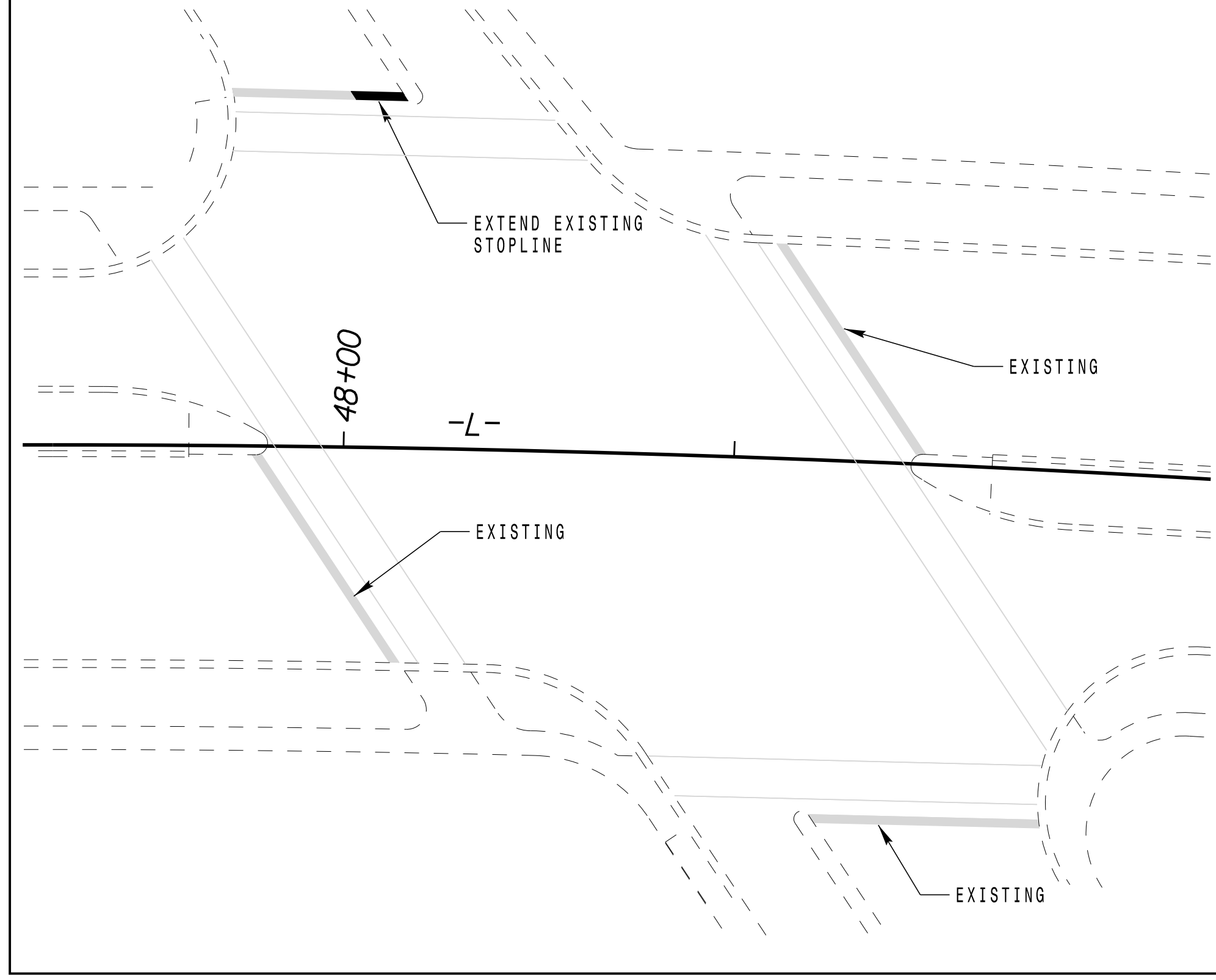
NEMA LOOP & DETECTOR INSTALLATION CHART with TS-2 CABINET											
LOOP NO.	SIZE (ft)	DIST. FROM STOPBAR (ft)	TURNS	NEW	EXISTING	NEMA PHASE		TIMING		INHIBIT DELAY DURING GREEN?	
						NEW	EXISTING	FEATURE	TIME		
1A	6X40	+5	2-4-2	X	-	1	-	X	DELAY	15	YES
1B	6X40	+5	2-4-2	-	X	6	-	X	DELAY	15	YES
2A, 2B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

6 PHASE FULLY ACTUATED (GREENVILLE SIGNAL SYSTEM) NOTES

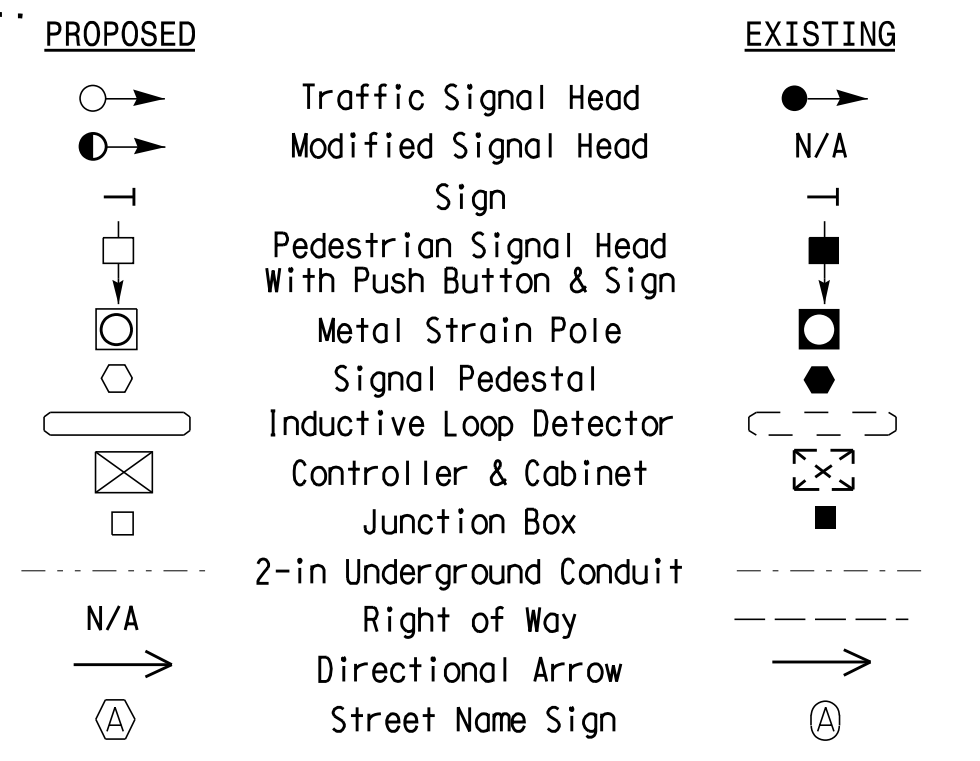
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Phase 3 may be lagged.
- Reposition existing signal heads 11, 21, 22, 23, 31, 32, 41, 42, 43, 44, 51, 61, 62, 63, 81, 82 and 83.
- Set all detector units to presence mode.
- 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: 90



STOP LINE LOCATION DAIGRAM



FEATURE	PHASE							
	01	02	03	04	05	06	08	
MINIMUM GREEN *	7 SEC.	10 SEC.	7 SEC.	7 SEC.	7 SEC.	10 SEC.	7 SEC.	
PASSAGE GAP *	2.0 SEC.	3.0 SEC.	2.0 SEC.	2.0 SEC.	2.0 SEC.	3.0 SEC.	2.0 SEC.	
YELLOW CHANGE INT.	3.0 SEC.	4.0 SEC.	3.0 SEC.	3.8 SEC.	3.0 SEC.	4.0 SEC.	3.8 SEC.	
RED CLEARANCE	3.3 SEC.	3.1 SEC.	5.1 SEC.	4.3 SEC.	3.3 SEC.	3.1 SEC.	4.3 SEC.	
MAXIMUM I *	30 SEC.	70 SEC.	20 SEC.	45 SEC.	30 SEC.	70 SEC.	45 SEC.	
RECALL POSITION	NONE	MIN. RECALL	NONE	NONE	NONE	MIN. RECALL	NONE	
VEHICLE CALL MEMORY	NONLOCK	LOCK	NONLOCK	NONLOCK	NONLOCK	LOCK	NONLOCK	
WALK *	- SEC.	7 SEC.	- SEC.	7 SEC.	- SEC.	7 SEC.	7 SEC.	
FLASHING DON'T WALK	- SEC.	25 SEC.	- SEC.	34 SEC.	- SEC.	22 SEC.	41 SEC.	
VOLUME DENSITY	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
ACTUATION B4 ADD *	- VEH.	- VEH.	- VEH.	- VEH.	- VEH.	- VEH.	- VEH.	
SEC. PER ACTUATION *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	
MAX. INITIAL *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	
TIME B4 REDUCTION *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	
TIME TO REDUCE *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	
MINIMUM GAP	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	



FINAL DESIGN

750 N. Greenfield Pkwy, Garner, NC 27529

10th STREET AT SR 1703 (14TH STREET)

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE: JUNE 2014 REVIEWED BY: SL PHILLIPS

PREPARED BY: SP PENNINGTON REVIEWED BY:

SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
STACIE L. PHILLIPS
032607

SCALE: 1" = 30'

INIT. DATE

SIGNATURE DATE

DocuSigned by: Stacie Phillips 9/2/2014
SIG. INVENTORY NO. 02-0893

8/29/2014 10:56:45 AM susan.pennington K:\RAL_Roadway\01096175 (U-3315)\Traffic Signals\SR - Signal Design\03-14th\3.8 020893 - 40829a.dgn

* 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.