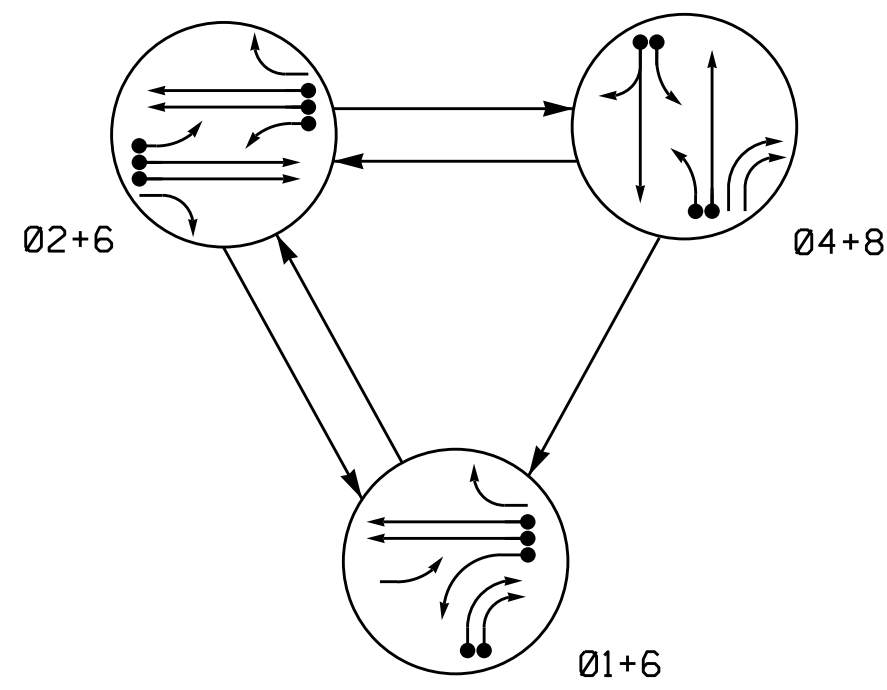


PHASING DIAGRAM

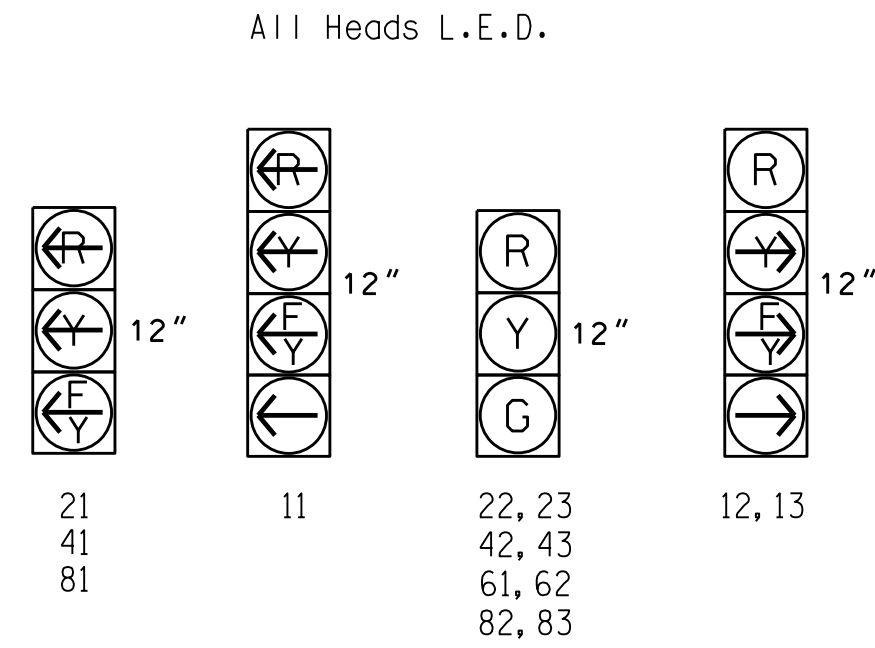


PHASING DIAGRAM DETECTION LEGEND

- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- ←---→ UNSIGNALIZED MOVEMENT
- ←- - -> PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE			
	Ø 1 + 6	Ø 2 + 6	Ø 4 + 8	F L R
11	←	←	←	←
12, 13	←	←	←	←
21	←	←	←	←
22, 23	←	←	←	←
41	←	←	←	←
42, 43	←	←	←	←
61, 62	←	←	←	←
81	←	←	←	←
82, 83	←	←	←	←

SIGNAL FACE I.D.

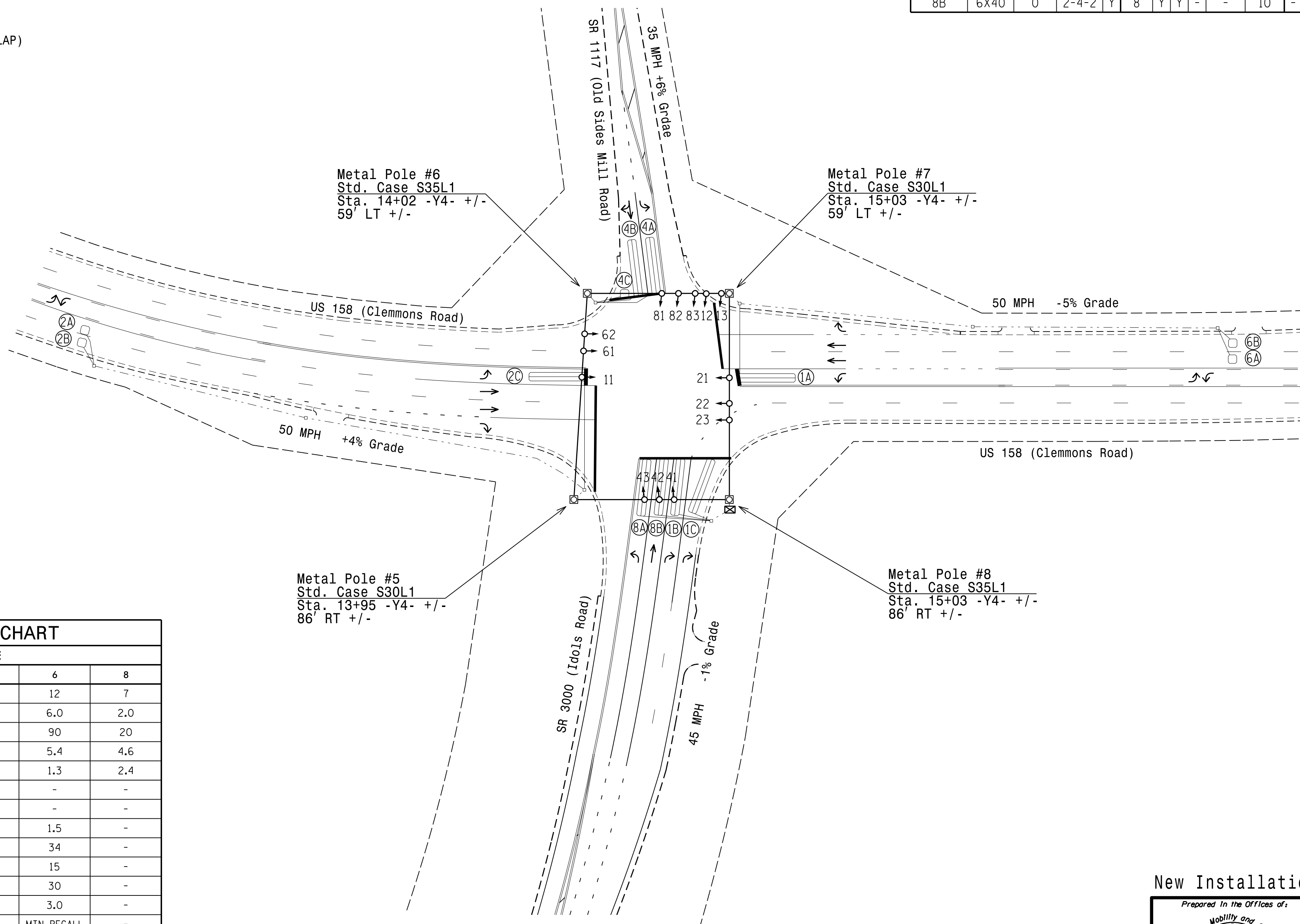


LOOP	INDUCTIVE LOOPS				DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY			STRETCH TIME
1A	6X40	0	2-4-2	Y	1	Y	Y	-	15	-	Y
1B	6X40	0	2-4-2	Y	1	Y	Y	-	15	-	Y
1C	6X40	0	2-4-2	Y	1	Y	Y	-	15	-	Y
2A	6X6	355	5	Y	2	Y	Y	-	-	-	Y
2B	6X6	355	5	Y	2	Y	Y	-	-	-	Y
2C	6X40	0	2-4-2	Y	2	Y	Y	-	3	-	Y
4A	6X40	0	2-4-2	Y	4	Y	Y	-	3	-	Y
4B	6X40	0	2-4-2	Y	4	Y	Y	-	10	-	Y
4C	6X6	0	4	Y	4	Y	Y	-	15	-	Y
6A	6X6	355	5	Y	6	Y	Y	-	-	-	Y
6B	6X6	355	5	Y	6	Y	Y	-	-	-	Y
8A	6X40	0	2-4-2	Y	8	Y	Y	-	3	-	Y
8B	6X40	0	2-4-2	Y	8	Y	Y	-	10	-	Y

3 Phase Fully Actuated (Isolated)

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 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.



FEATURE	PHASE				
	1	2	4	6	8
Min Green 1 *	7	12	7	12	7
Extension 1 *	2.0	6.0	2.0	6.0	2.0
Max Green 1 *	20	90	20	90	20
Yellow Clearance	3.1	5.4	4.6	5.4	4.6
Red Clearance	3.1	1.3	2.4	1.3	2.4
Walk 1 *	-	-	-	-	-
Don't Walk 1	-	-	-	-	-
Seconds Per Actuation *	-	1.5	-	1.5	-
Max Variable Initial *	-	34	-	34	-
Time Before Reduction *	-	15	-	15	-
Time To Reduce *	-	30	-	30	-
Minimum Gap	-	3.0	-	3.0	-
Recall Mode	-	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	-	YELLOW	-	YELLOW	-
Dual Entry	-	-	ON	-	ON
Simultaneous Gap	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.

PROPOSED	LEGEND	EXISTING
○	Traffic Signal Head	●
○	Modified Signal Head	N/A
+	Sign	+
○	Pedestrian Signal Head With Push Button & Sign	○
○	Signal Pole with Guy	○
○	Signal Pole with Sidewalk Guy	○
□	Inductive Loop Detector Controller & Cabinet	□
□	Junction Box	□
- - -	2-in Underground Conduit	- - -
- - -	Right of Way	- - -
→	Directional Arrow	→
○	Metal Strain Pole	○

New Installation

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

US 158 (Clemmons Road) at SR 3000 (Idols Road) and SR 1117 (Old Sides Mill Road)

Division 9 Forsyth County Clemmons

PLAN DATE: October 2015 REVIEWED BY:

PREPARED BY: I. O. Umozurike REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

1/5/2016

SIG. INVENTORY NO. 09-0871

05-1116-2016 13-17
 P2 *ITPR-01.ctb
 RZ:BERTO