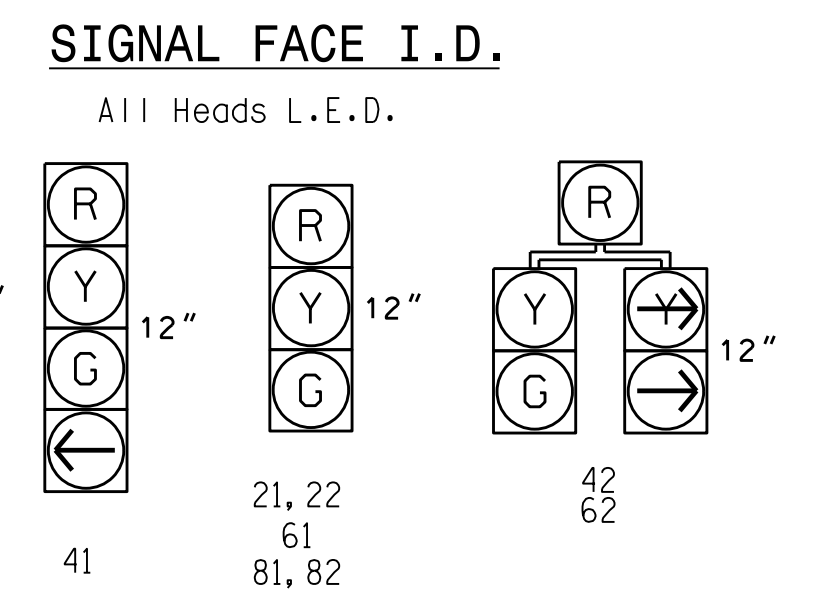


PHASING DIAGRAM DETECTION LEGEND

- ⬄ ● DETECTED MOVEMENT
- ⬄ — UNDETECTED MOVEMENT (OVERLAP)
- ⬄ --- UNSIGNALIZED MOVEMENT
- ⬄ ⬆ PEDESTRIAN MOVEMENT

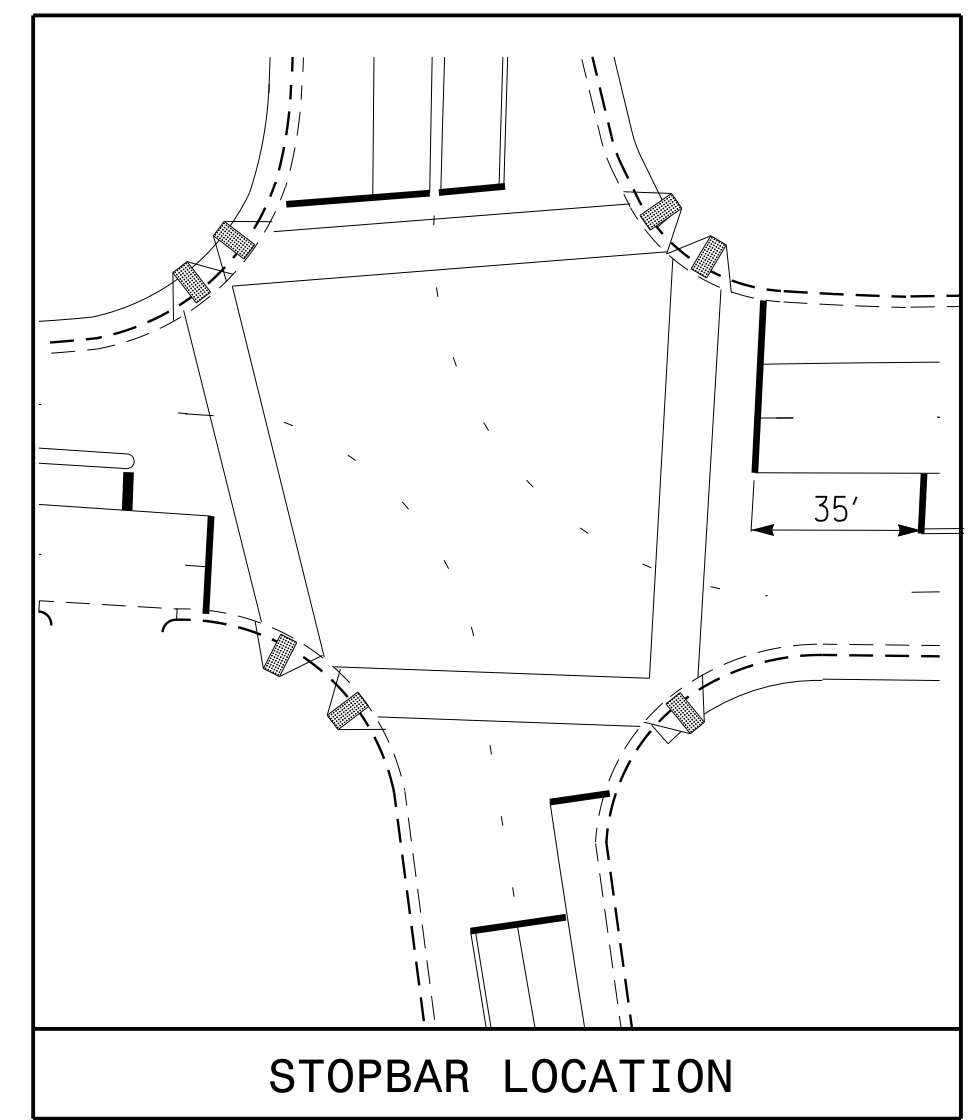
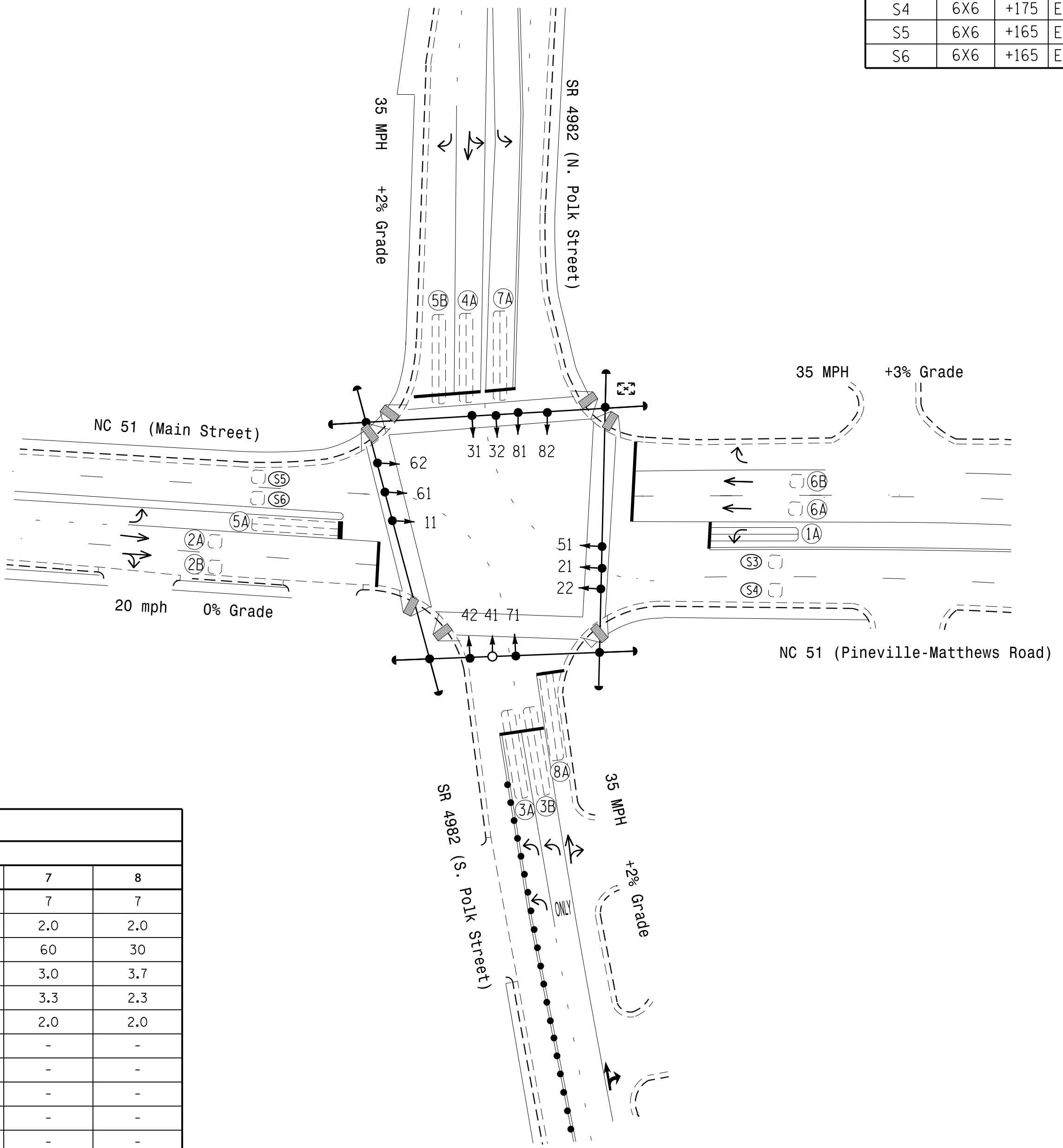


SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+8	04+7	01+6	01+5
11	-	-	R	R	R	R	R	R
21, 22	R	R	G	G	R	R	-	Y
31, 32	R	R	R	R	-	-	-	R
41	R	R	R	R	R	R	C	R
42	R	R	R	R	R	R	G	R
51	-	-	-	-	-	-	-	-
61	R	G	R	G	R	R	Y	-
62	R	G	R	G	R	R	Y	-
71	R	R	R	R	-	-	-	R
81,82	R	R	R	R	G	R	R	-

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	3	-	-
2A	6X6	70	EXIST	-	2	Y	Y	-	-	-	-	-
2B	6X6	70	EXIST	-	2	Y	Y	-	-	-	-	-
3A	6X40	+10	2-4-2	-	3	Y	Y	-	-	3	-	-
3B	6X40	+10	2-4-2	-	3	Y	Y	-	-	-	-	-
4A	6X40	+5	2-4-2	-	4	Y	Y	-	-	-	-	-
5A	6X40	+5	2-4-2	-	5	Y	Y	-	-	3	-	-
5B	6X40	+5	2-4-2	-	5	Y	Y	-	-	15	-	-
6A	6X6	70	EXIST	-	6	Y	Y	-	-	-	-	-
6B	6X6	70	EXIST	-	6	Y	Y	-	-	-	-	-
7A	6X40	+5	2-4-2	-	7	Y	Y	-	-	3	-	-
8A	6X40	+5	2-4-2	-	8	Y	Y	-	-	10	-	-
S3	6X6	+175	EXIST	-	-	-	-	-	-	-	Y	-
S4	6X6	+175	EXIST	-	-	-	-	-	-	-	Y	-
S5	6X6	+165	EXIST	-	-	-	-	-	-	-	Y	-
S6	6X6	+165	EXIST	-	-	-	-	-	-	-	Y	-

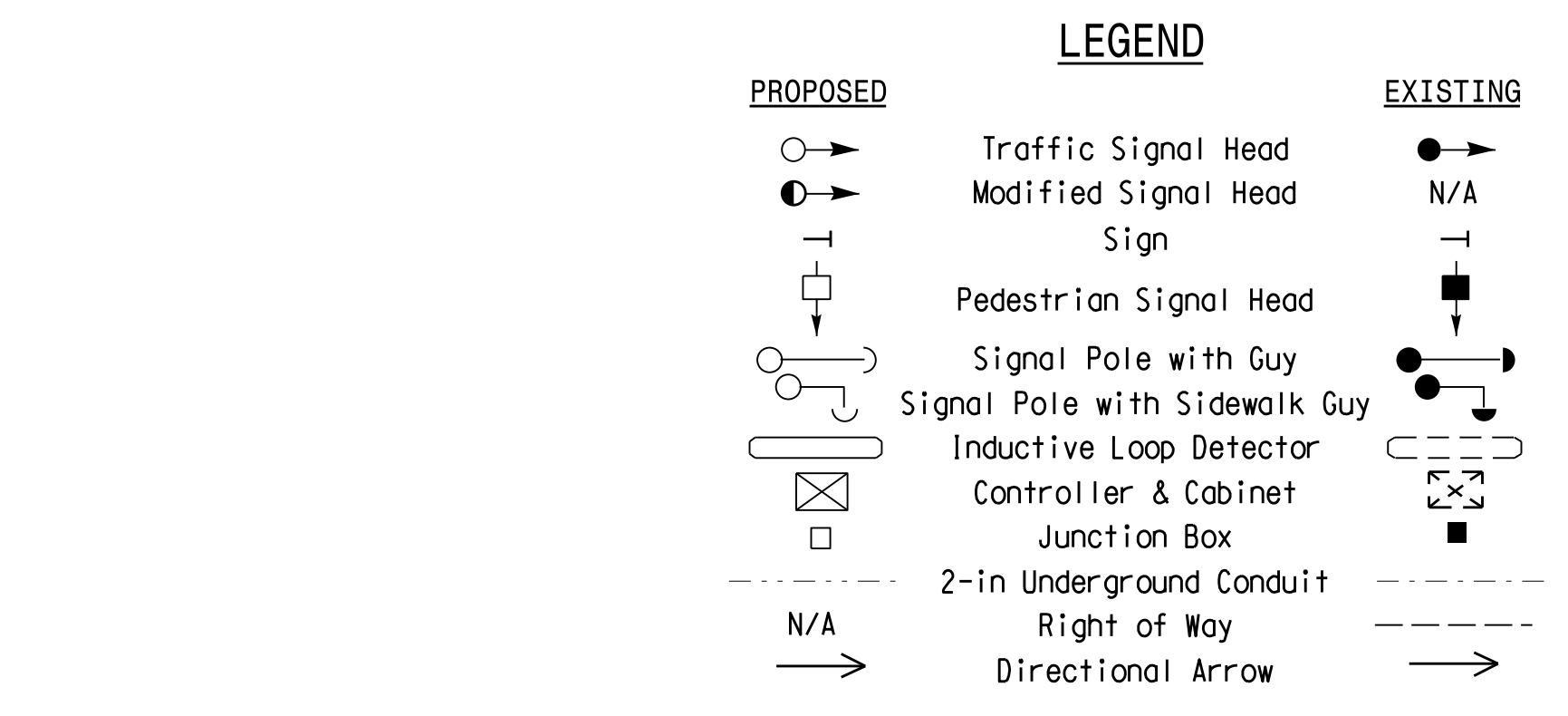
6 Phase
Fully Actuated
W/Emergency Preemption
NC 51 (Pineville) CLS

- 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.
 - Set all detector units to presence mode.
 - Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
 - Closed loop system data: Controller Asset #0254.
 - Refer to the electrical detail for special ring structure for split side street phasing.



FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	10	7	7	7	10	7	7
Extension 1 *	2.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0
Max Green 1 *	25	90	30	60	15	90	60	30
Yellow Clearance	3.0	3.0	3.0	3.7	3.0	3.7	3.0	3.7
Red Clearance	3.4	3.2	3.6	2.0	3.2	2.0	3.3	2.3
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-	-	-
Seconds Per Actuation *	-	-	-	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-	-	-
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW	-	-
Dual Entry	-	-	-	-	-	-	-	-
Simultaneous Gap	ON	ON	ON	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.



Signal Upgrade - Temporary Design

	NC 51 (Main Street) / NC 51 (Pineville-Matthews Road) at SR 4982 (Polk Street) Pineville		SEAL
	PREPARED BY: C. Pierce DIVISION 10 Mecklenburg County	REVIEWED BY: [Signature] DATE: 4/16/2015	REVISIONS INIT. DATE

16-APP-2015-03-23
APPROVED BY: [Signature]
DATE: 4/16/2015