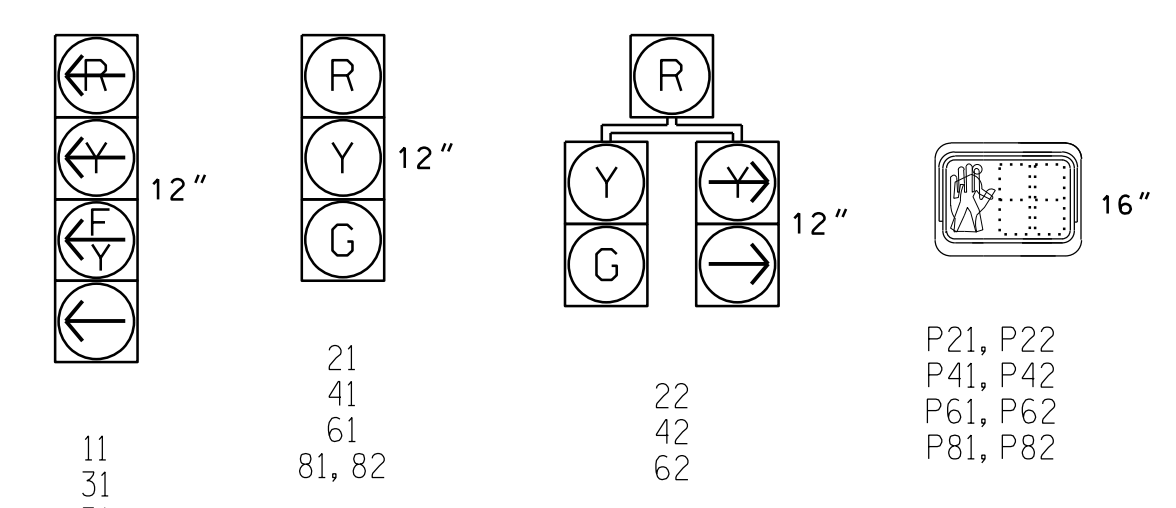


SIGNAL FACE	PHASE							
	01+5	02+5	03+7	04+7	01+6	02+6	03+8	04+8
11	←	←	←	←	←	←	←	←
21	R	R	G	G	R	R	R	Y
22	R	R	G	G	R	R	R	Y
31	←	←	←	←	←	←	←	←
41	R	R	R	R	R	G	G	R
42	R	R	R	R	R	G	G	R
51	←	←	←	←	←	←	←	←
61	R	G	R	G	R	R	R	Y
62	R	G	R	G	R	R	R	Y
71	←	←	←	←	←	←	←	←
81, 82	R	R	R	R	G	R	G	R
P21, P22	DW	DW	W	DW	DW	DW	DRK	
P41, P42	DW	DW	DW	DW	DW	W	DRK	
P61, P62	DW	W	DW	W	DW	DW	DRK	
P81, P82	DW	DW	DW	DW	W	DW	DRK	

SIGNAL FACE I.D.  
All Heads L.E.D.



MAXTIME DETECTOR INSTALLATION CHART										
LOOP	DETECTOR				PROGRAMMING					
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND INITIAL	ADDED CALL	NEW CARD
1A	6X40	0	*	*	1	15	-	X	X	*
2A	6X6	200	*	*	2	-	-	X	X	*
3A	6X40	0	*	*	3	15	-	X	X	*
4A	6X40	0	*	*	4	-	-	X	X	*
5A	6X40	0	*	*	5	15	-	X	X	*
5B	6X40	0	*	*	5	15	-	X	X	*
6A	6X6	200	*	*	6	-	-	X	X	*
7A	6X40	0	*	*	7	15	-	X	X	*
8A	6X40	0	*	*	8	-	-	X	X	*

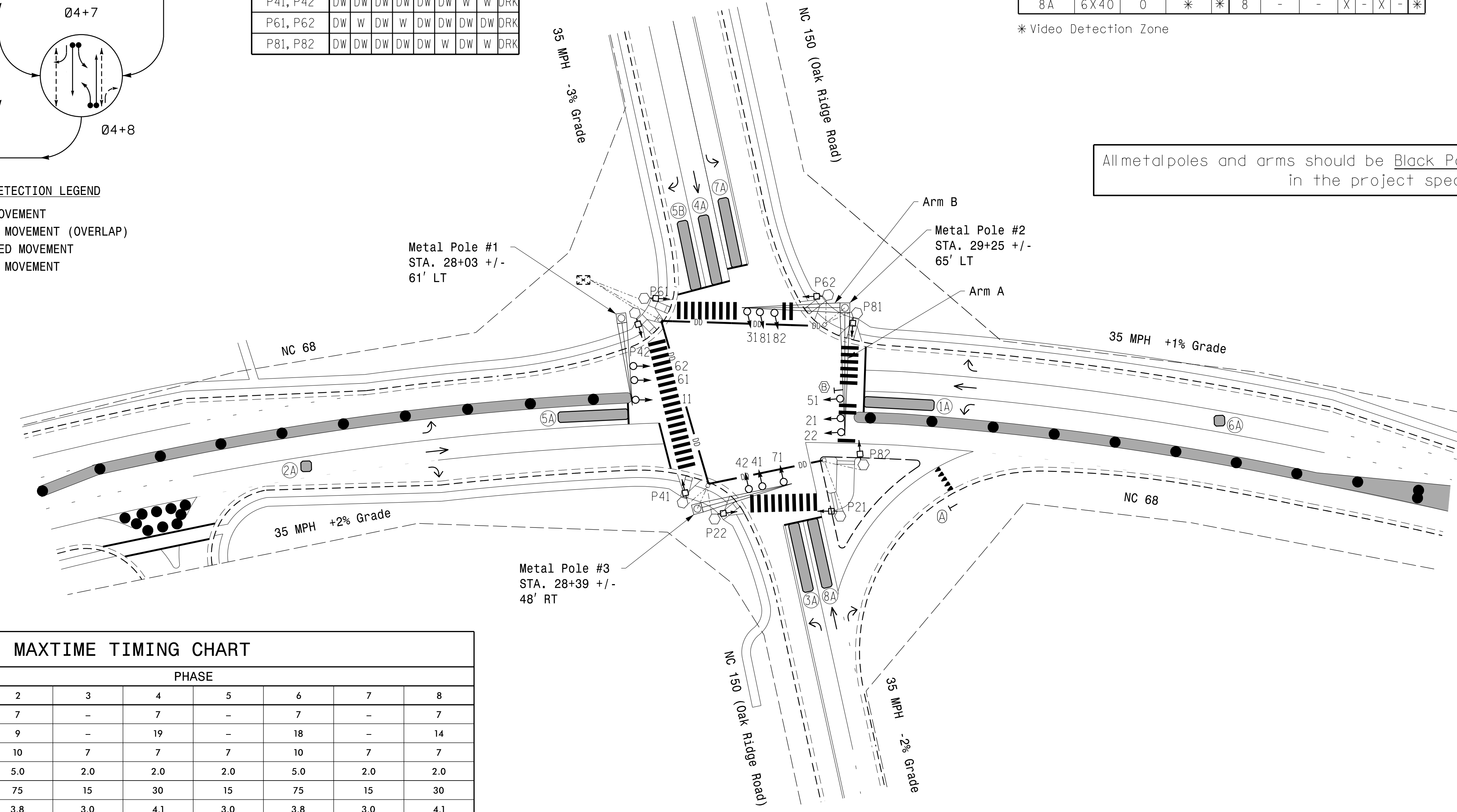
\* Video Detection Zone

8 Phase Fully Actuated (Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- 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 and/or phase 7 may be lagged.
- 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.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

All metal poles and arms should be Black Powder Coated in color as specified in the project special provisions.



FEATURE	MAXTIME TIMING CHART							
	1	2	3	4	5	6	7	8
Walk *	-	7	-	7	-	7	-	7
Ped Clear *	-	9	-	19	-	18	-	14
Min Green	7	10	7	7	7	10	7	7
Passage *	2.0	5.0	2.0	2.0	2.0	5.0	2.0	2.0
Max I *	15	75	15	30	15	75	15	30
Yellow Change	3.0	3.8	3.0	4.1	3.0	3.8	3.0	4.1
Red Clear	3.1	2.6	3.3	2.5	3.3	2.6	3.4	2.5
Added Initial *	-	2.5	-	-	-	2.5	-	-
Maximum Initial *	-	24	-	-	-	24	-	-
Time Before Reduction *	-	15	-	-	-	15	-	-
Time To Reduce *	-	30	-	-	-	30	-	-
Minimum Gap	-	3.0	-	-	-	3.0	-	-
Advance Walk	-	-	-	-	-	-	-	-
Non Lock Detector	X	-	X	X	X	-	X	X
Vehicle Recall	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Dual Entry	-	-	-	X	-	-	-	X

\* 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.

LEGEND	
PROPOSED	EXISTING
	Traffic Signal Head
	Modified Signal Head
	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
	Directional Drill
	Type II Signal Pedestal
	Curb Ramp
	Construction Zone Drum
	Video Detection Zone
	Construction Zone
	"YIELD" Sign (R1-2)
	"U-TURN YIELD TO RIGHT TURN" Sign (R10-16)

Signal Upgrade  
(Temporary Design 5 - TMP Phase 2, Step 7)

 Infrastructure Consulting Services, Inc. <b>RKA</b> RAMEY KEMP ASSOCIATES 5808 Farrington Place Raleigh, North Carolina 27609 Phone: 919-872-8115	NC 68 at NC 150 (Oak Ridge Road)		SEAL  SEAL 051573 ENGINEER TIMOTHY S. POPELKA
	Prepared for:  Guilford County 750 N. Greenfield Pkwy, Garner, NC 27529	Division 7 PLAN DATE: April 2023 PREPARED BY: JA Wentt	
SCALE 0 40 1" = 40'	REVISIONS INIT. DATE	SIGNATURE DATE: 04/05/2023	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SIG. INVENTORY NO. 07-0883T5