

PHASING DIAGRAM

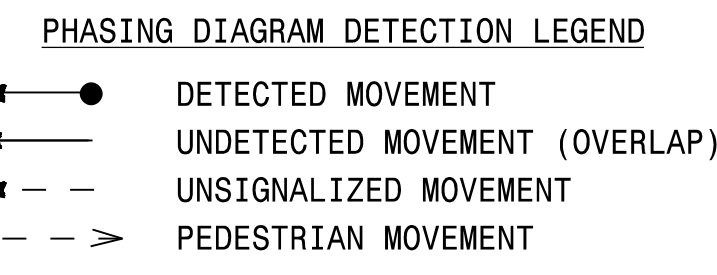
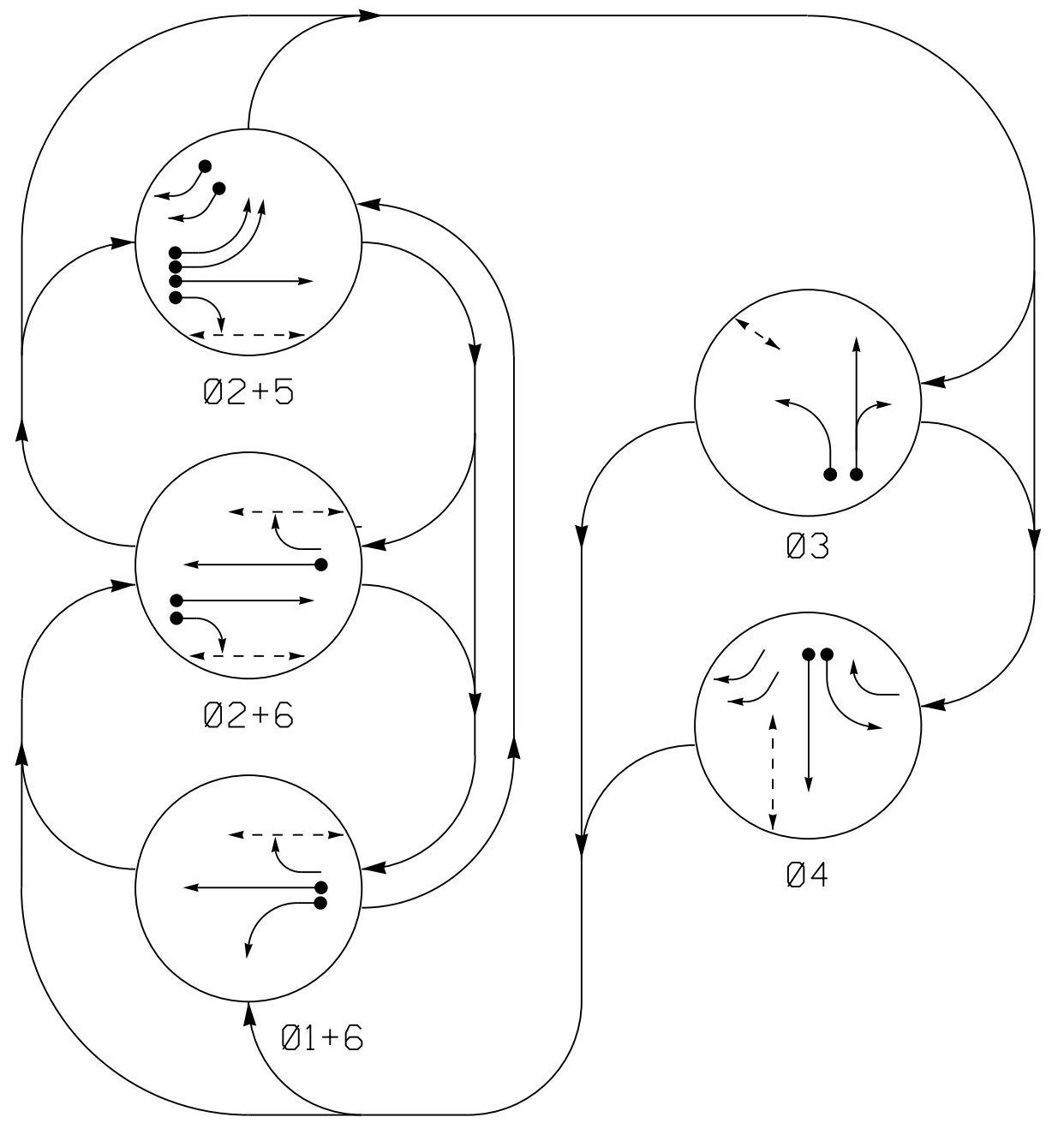
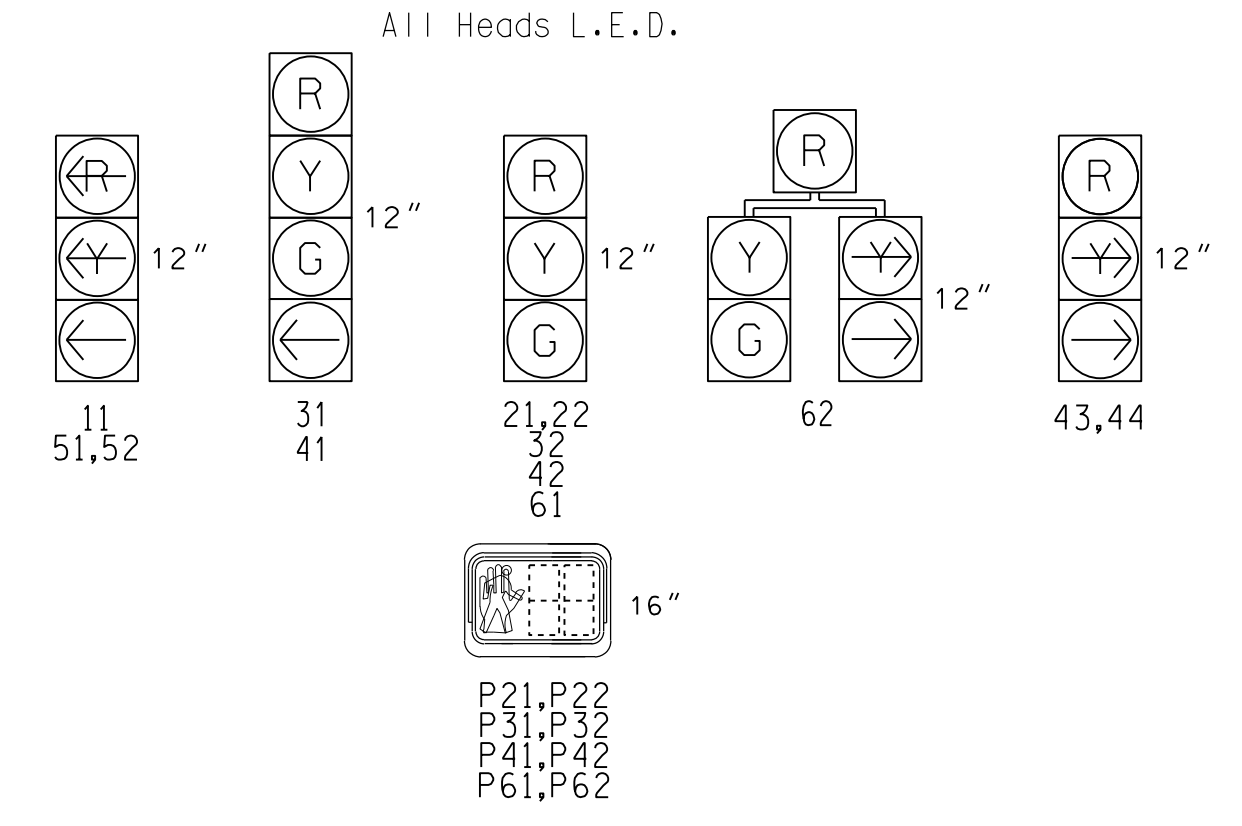


TABLE OF OPERATION

SIGNAL FACE	PHASE					FLASH
	01+6	02+6	03	04		
11	←	←	←	←	←	Y
21,22	R	G	R	R	R	Y
31	R	R	R	R	R	
32	R	R	R	G	R	
41	R	R	R	R	G	
42	R	R	R	R	G	
43,44	R	R	→	→	R	
51,52	←	←	←	←	←	
61	G	G	R	R	R	Y
62	G	G	R	R	R	Y
P21,P22	DW	W	W	DW	DRK	
P31,P32	DW	DW	DW	W	DRK	
P41,P42	DW	DW	DW	W	DRK	
P61,P62	W	W	DW	DW	DRK	

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	STRETCH TIME		
1A	6X40	0	*	*	1	Y	Y	-	-	-
2A/S1	6X6	300	EXIST	-	2	Y	Y	-	-	Y
2B/S2	6X6	300	EXIST	-	2	Y	Y	-	-	Y
3A	6X40	0	*	*	3	Y	Y	-	-	-
3B	6X40	0	*	*	3	Y	Y	-	-	10
3C	6X40	0	*	*	3	Y	Y	-	-	10
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	-
4B	6X40	0	2-4-2	-	4	Y	Y	-	-	-
5A	6X40	0	2-4-2	-	5	Y	Y	-	-	-
5B	6X40	0	2-4-2	-	5	Y	Y	-	-	-
5C	6X40	0	2-4-2	-	5	Y	Y	-	-	-
5D	6X40	0	2-4-2	-	5	Y	Y	-	-	-
6A	6X6	300	*	*	6	Y	Y	-	-	-
6B	6X40	0	*	*	6	Y	Y	2.0	5	-

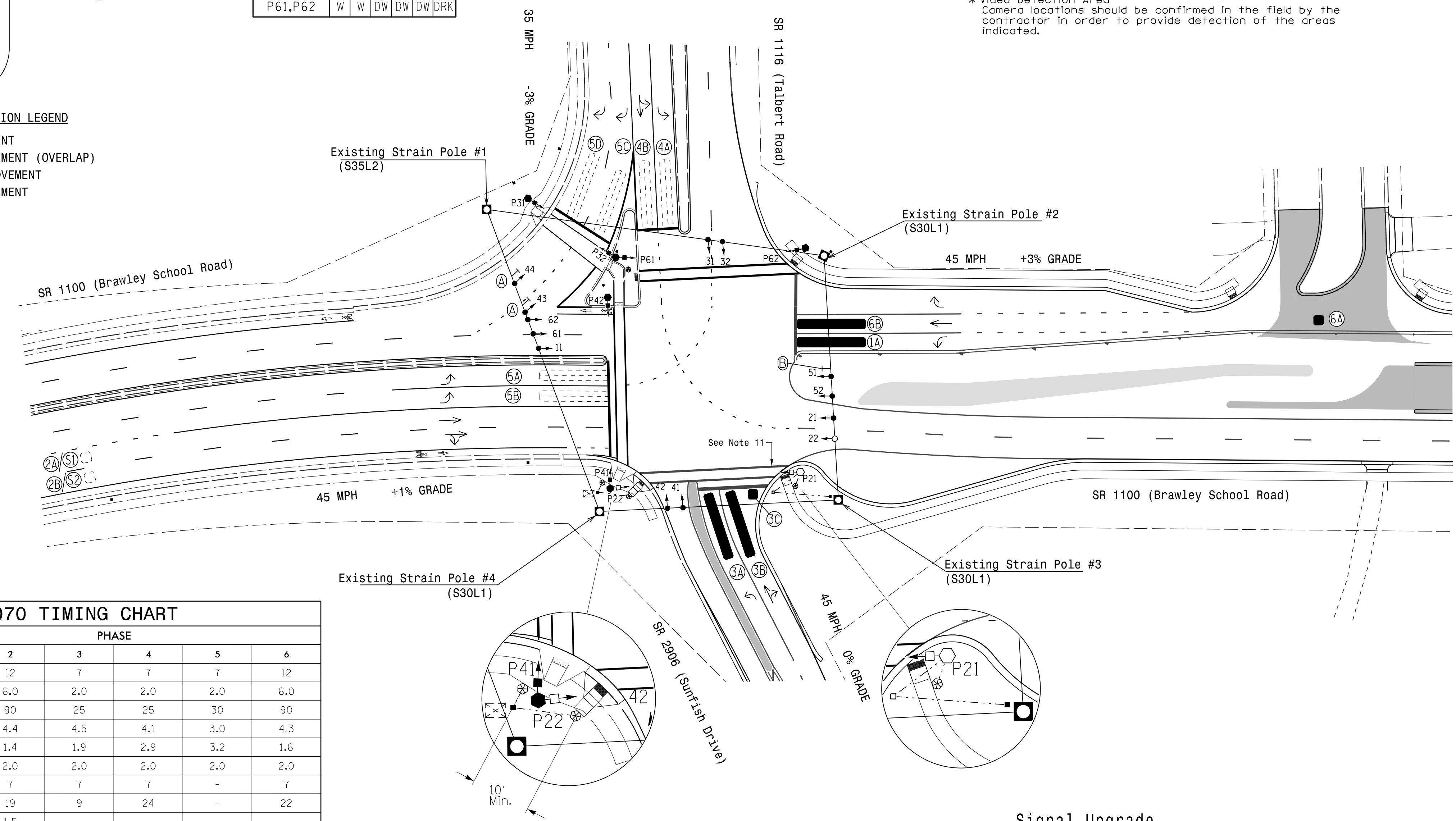
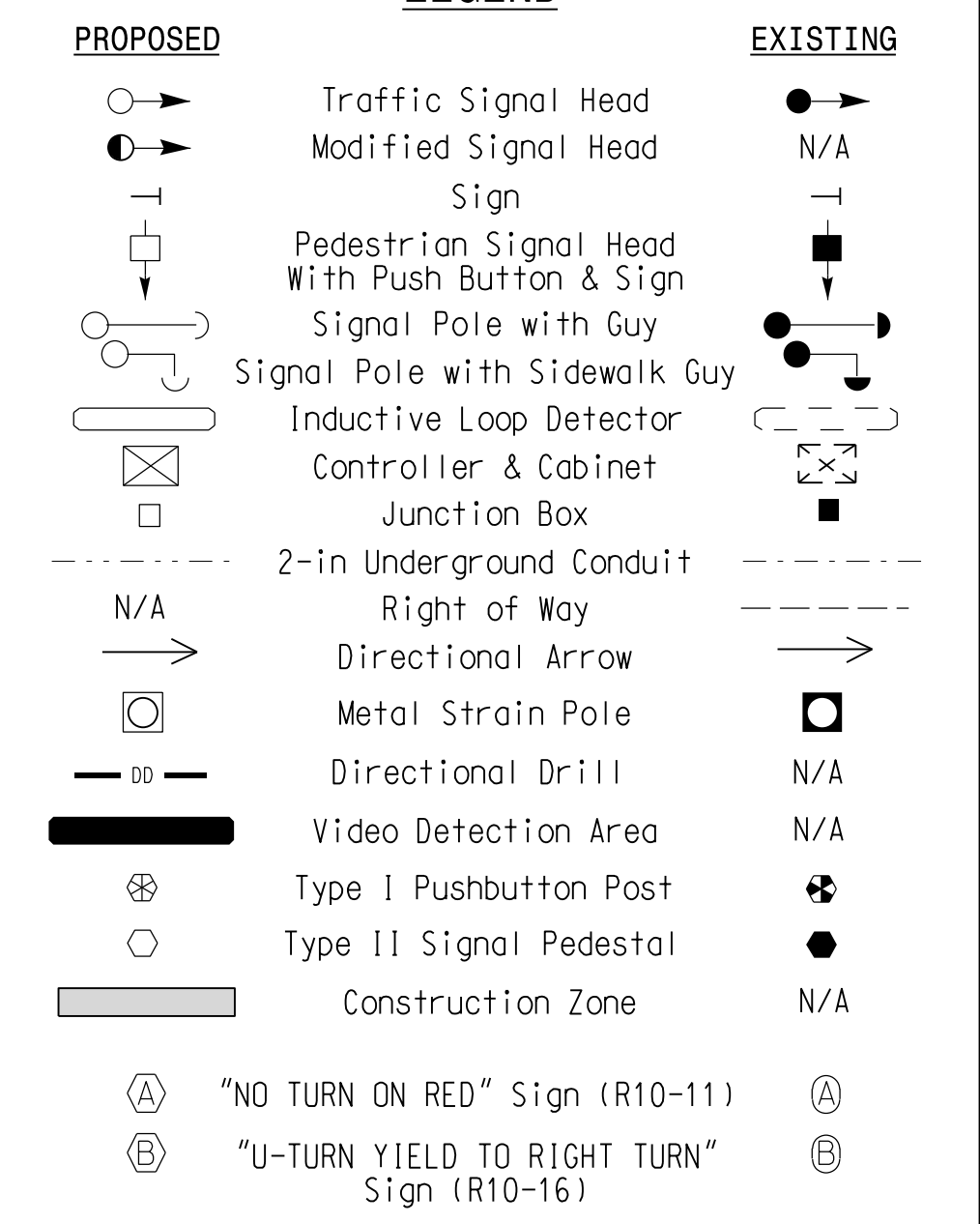
* Video Detection Area
Camera locations should be confirmed in the field by the contractor in order to provide detection of the areas indicated.

5 Phase Fully Actuated Signal System 11210

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.
- The order of phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- This intersection features a video detection system. Shown locations of detectors are conceptual only. Detectors should be placed to ensure the desired operation parameters are achieved.
- 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 supersede these values.
- Shift signal heads 11,21,51,52, and Sign B.
- Crosswalk to be installed as shown in final pattern as part of the TMP.

LEGEND



OASIS 2070 TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Min Green 1 *	7	12	7	7	7	12
Extension 1 *	2.0	6.0	2.0	2.0	2.0	6.0
Max Green 1 *	15	90	25	25	30	90
Yellow Clearance	3.0	4.4	4.5	4.1	3.0	4.3
Red Clearance	3.3	1.4	1.9	2.9	3.2	1.6
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	7	7	7	-	7
Don't Walk 1	-	19	9	24	-	22
Seconds Per Actuation *	-	1.5	-	-	-	-
Max Variable Initial *	-	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	-	-	-	-
Dual Entry	-	-	-	-	-	-
Simultaneous Gap	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 3 - TMP Phase III

SR 1100 (Brawley School Road) at SR 1116 (Talbert Road)/SR 2906 (Sunfish Drive)

Division 12 Iredell County Mooresville

PLAN DATE: May 2022 REVIEWED BY: E D Harris

PREPARED BY: J. Hanbright REVIEWED BY: R M Muncey

3/24/2023 10:11:00 AM C:\Users\jhanbright\OneDrive\Documents\Signal\11210\11210-168913.dgn User: jhanbright

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by: Brock A. Walker 3/24/2023
SIG. INVENTORY NO. 12-168913