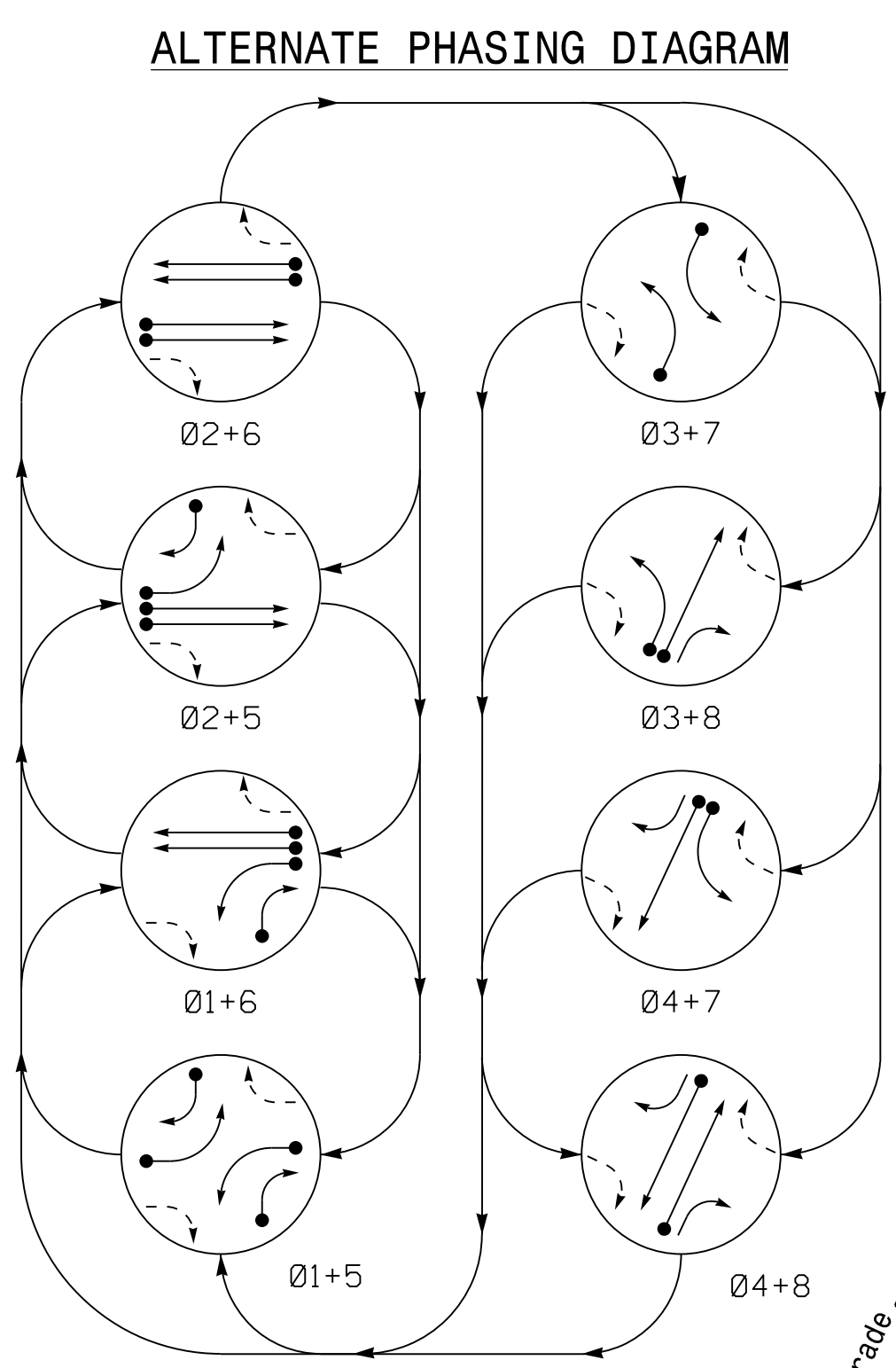


DEFAULT PHASING TABLE OF OPERATION

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



ALTERNATE PHASING TABLE OF OPERATION

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

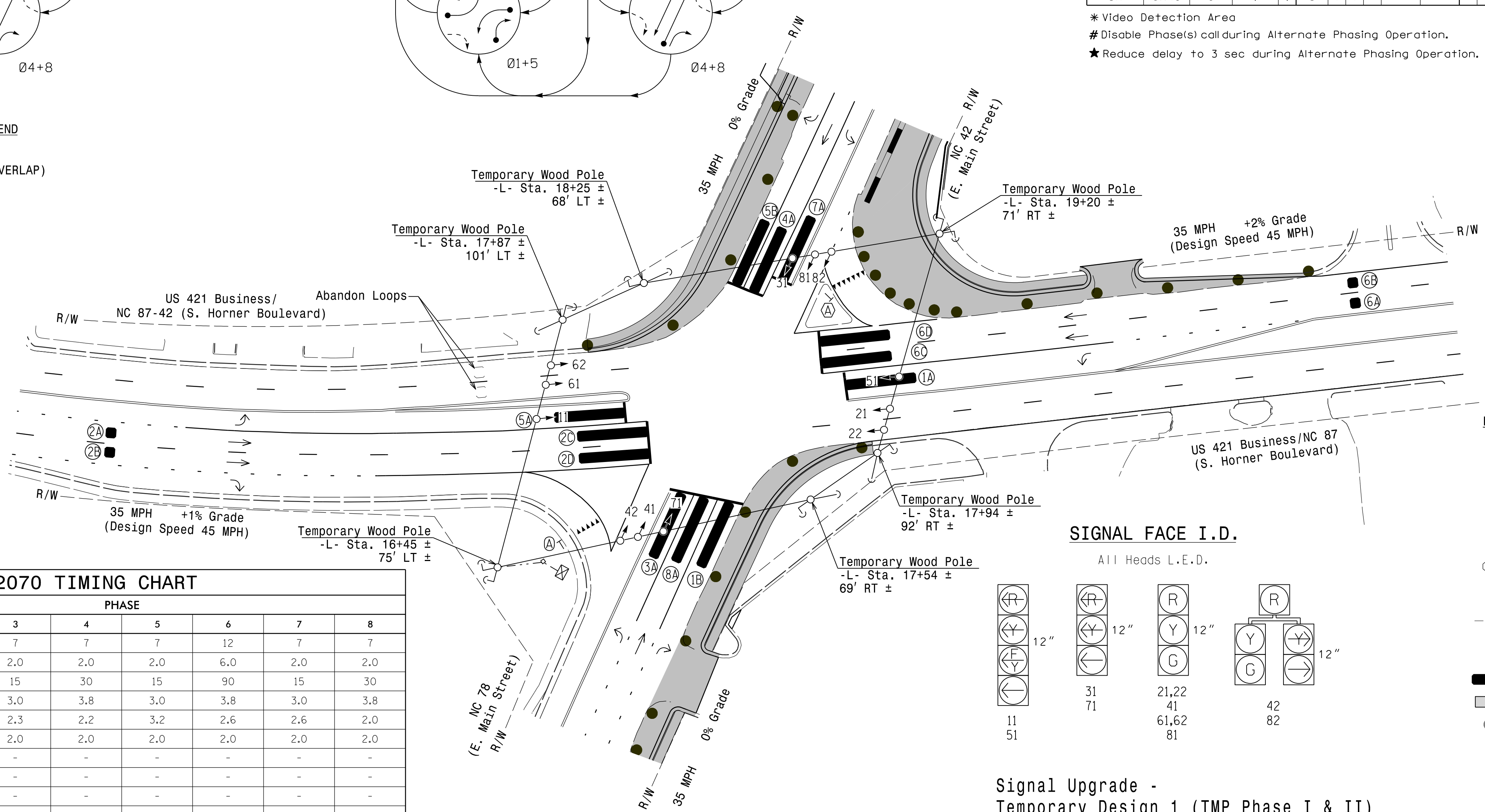
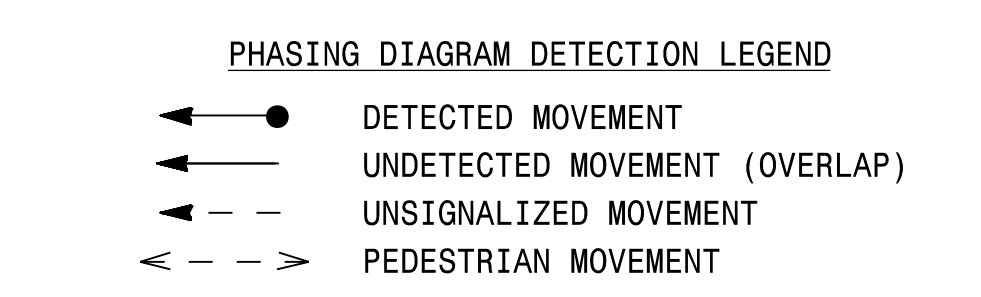
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD		
					PHASE	CALLING	EXTENSION	FULL TIME DELAY				
1A	6X40	0	*	*	1	Y	Y	-	-	★15	-	*
1B	6X40	0	*	*	1	Y	Y	-	-	15	-	*
2A	6X6	300	*	*	2	Y	Y	-	-	-	-	*
2B	6X6	300	*	*	2	Y	Y	-	-	-	-	*
2C	6X40	0	*	*	2	Y	Y	2.0	5	-	-	*
2D	6X40	0	*	*	2	Y	Y	2.0	5	-	-	*
3A	6X40	0	*	*	3	Y	Y	-	-	3	-	*
4A	6X40	0	*	*	4	Y	Y	-	-	-	-	*
5A	6X40	0	*	*	5	Y	Y	-	-	★15	-	*
5B	6X40	0	*	*	5	Y	Y	-	-	15	-	*
6A	6X6	300	*	*	6	Y	Y	-	-	-	-	*
6B	6X6	300	*	*	6	Y	Y	-	-	-	-	*
6C	6X40	0	*	*	6	Y	Y	2.0	5	-	-	*
6D	6X40	0	*	*	6	Y	Y	2.0	5	-	-	*
7A	6X40	0	*	*	7	Y	Y	-	-	3	-	*
8A	6X40	0	*	*	8	Y	Y	-	-	-	-	*

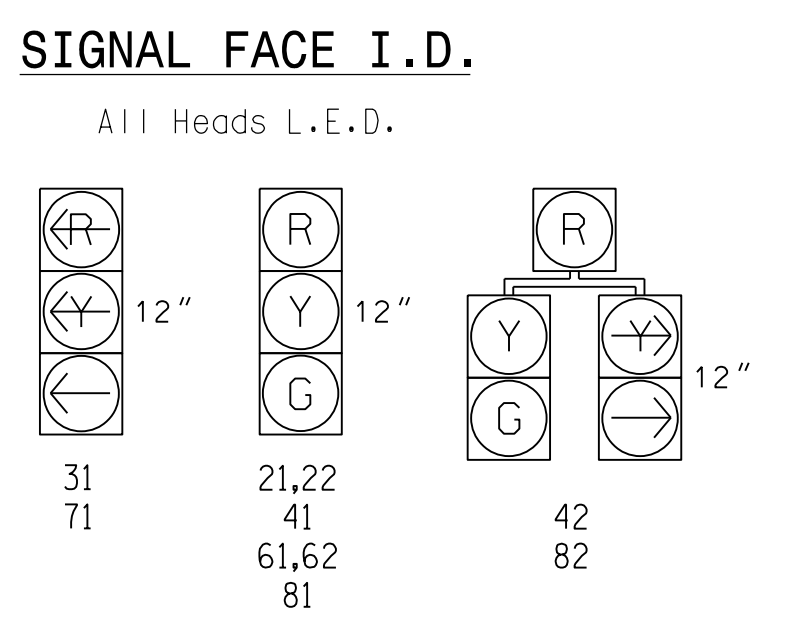
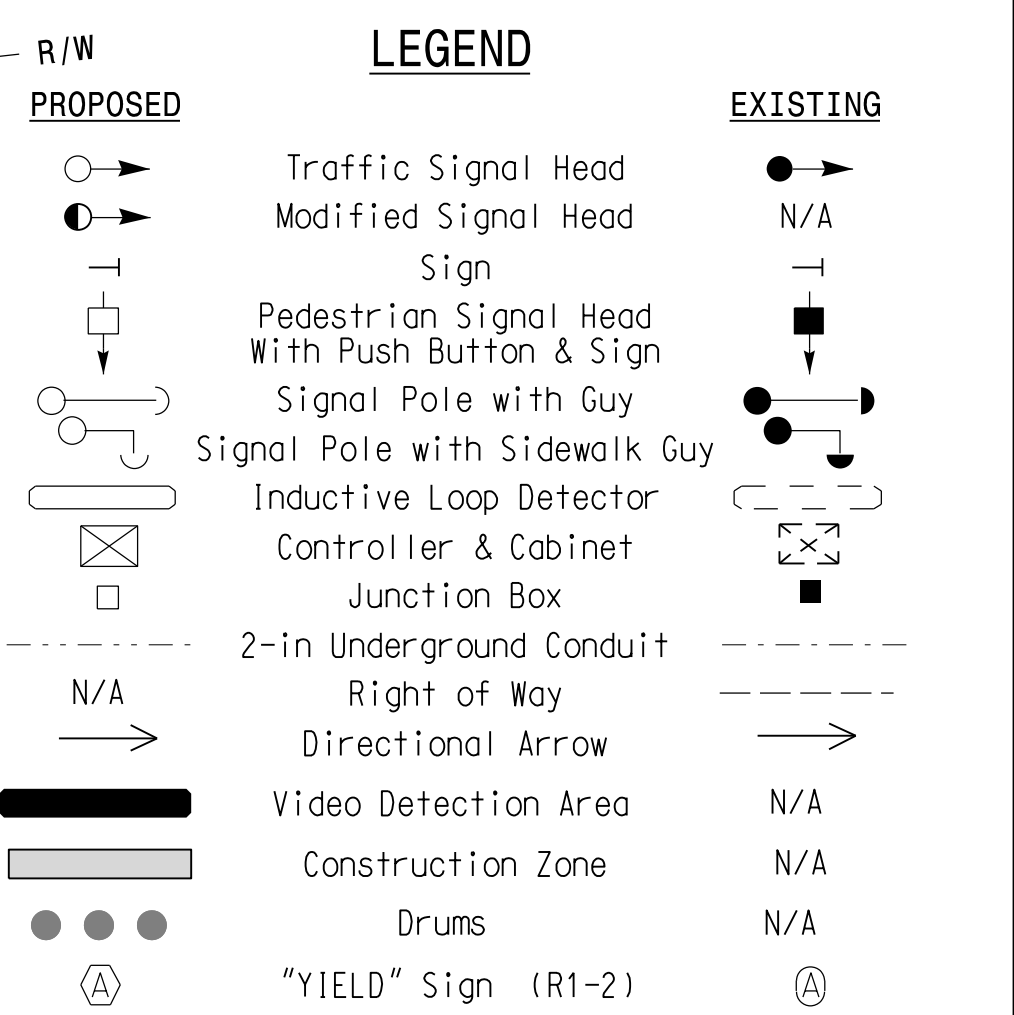
8 Phase Fully Actuated (US 421 Bus./NC 87-42 (Horner Blvd.) - System 2 CLS) Signal System #: 10802

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.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- This location utilizes a video detection system. Camera locations should be confirmed in the field by the contractor in order to provide detection of the areas indicated.
- Closed Loop System Data: Controller Asset #: 0047



- * Video Detection Area
- # Disable Phase(s) call during Alternate Phasing Operation.
- ★ Reduce delay to 3 sec during Alternate Phasing Operation.



OASIS 2070 TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	12	7	7	7	12	7	7
Extension 1 *	2.0	6.0	2.0	2.0	2.0	6.0	2.0	2.0
Max Green 1 *	15	90	15	30	15	90	15	30
Yellow Clearance	3.0	3.8	3.0	3.8	3.0	3.8	3.0	3.8
Red Clearance	3.3	2.6	2.3	2.2	3.2	2.6	2.6	2.0
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 *	-	15	-	-	15	-	-	-
Time To Reduce *	-	45	-	-	45	-	-	-
Minimum Gap	-	3.0	-	-	3.0	-	-	-
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-	-	-
Vehicle Call Memory	-	-	-	-	-	-	-	-
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 1 (TMP Phase I & II)

US 421 Business/ NC 87 (S. Horner Boulevard) at NC 78-42 (E. Main Street)

Division 8 Lee County Sanford

PLAN DATE: October 2019 REVIEWED BY: D Harris

PREPARED BY: B T Keffer REVIEWED BY: B L Watson

4323935.DWG DATE: 10/15/19
 User: rmmuncey
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 User: rmmuncey

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DocuSign by Regina M. Muncey 10/3/2019
 DATE: 10/3/2019
 SIG. INVENTORY NO. 08-004711