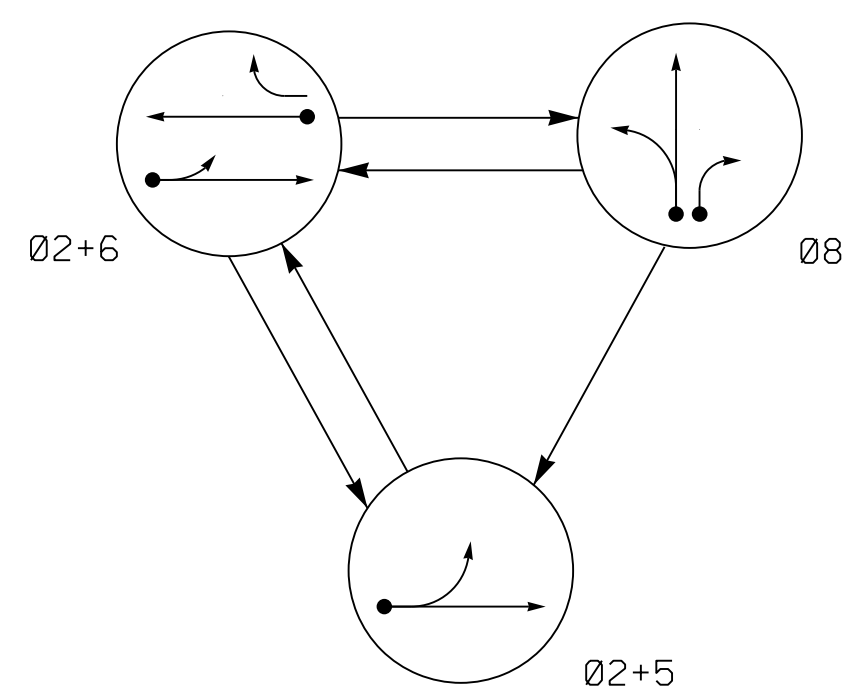


PHASING DIAGRAM



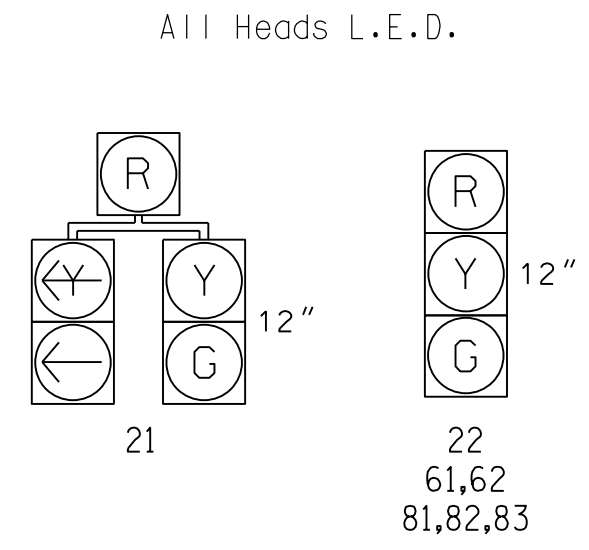
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE			
	01+NS	02+NS	03	04
21	G	G	R	Y
22	G	G	R	Y
61,62	R	G	R	Y
81,82,83	R	R	G	R

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

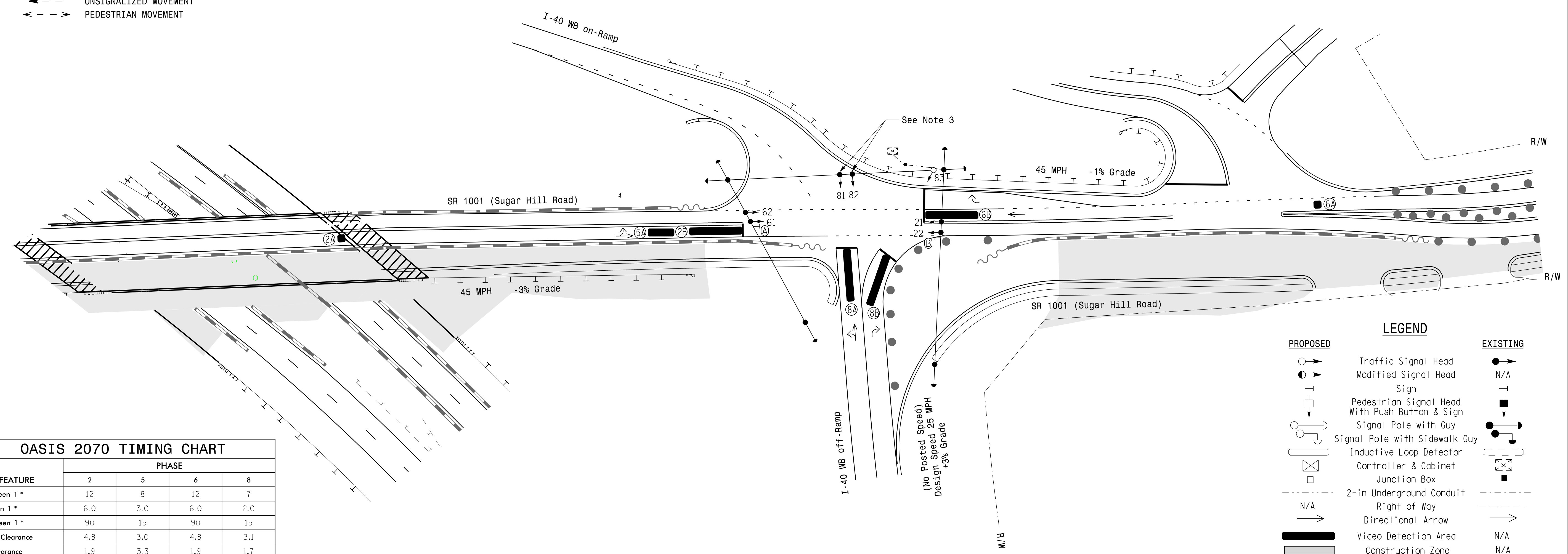
INDUCTIVE LOOPS				DETECTOR PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING EXTENSION FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	300	*	*	2	Y Y	-	-	-	*
2B	6X40	0	*	*	2	Y Y Y	2.0	5	-	*
5A	6X20	50	*	*	5	Y Y	-	-	15	*
6A	6X6	300	*	*	6	Y Y	-	-	-	*
6B	6X40	0	*	*	6	Y Y Y	2.0	5	-	*
8A	6X40	0	*	*	8	Y Y	-	-	-	*
8B	6X40	0	*	*	8	Y Y	-	-	15	*

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

3 Phase Fully Actuated SR 1001 (Sugar Hill Rd) CLS

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. Connect and uncover existing signal heads numbered #81 and 82.
- 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 #1227

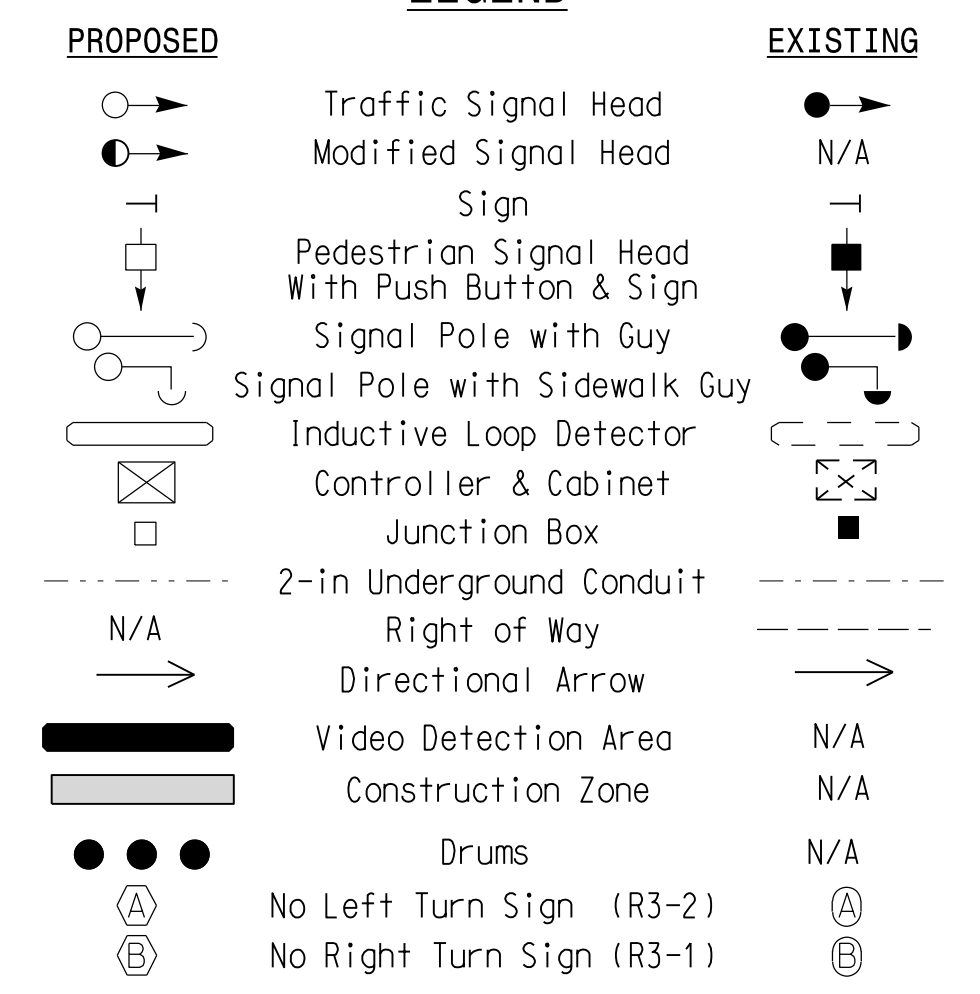


OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	5	6	8
Min Green 1 *	12	8	12	7
Extension 1 *	6.0	3.0	6.0	2.0
Max Green 1 *	90	15	90	15
Yellow Clearance	4.8	3.0	4.8	3.1
Red Clearance	1.9	3.3	1.9	1.7
Red Revert	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 *	30	-	30	-
Minimum Gap	3.0	-	3.0	-
Recall Mode	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	-	-	-	-
Dual Entry	-	-	-	-
Simultaneous Gap	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.

LEGEND



Signal Upgrade Temporary Design 4 - TMP Phase III - Step 2

<p>Stantec Consulting Services Inc. 801 Jones Franklin Road-Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672</p>		<p>SR 1001 (Sugar Hill Road) at I-40 Westbound Ramps</p>	
		<p>Division 13 McDowell County Marion</p> <p>PLAN DATE: January 2019 REVIEWED BY: R Muncey</p> <p>PREPARED BY: G Spell REVIEWED BY: D Harris</p>	<p>750 N. Greenfield Pkwy, Garner, NC 27526</p> <p>SCALE: 0 40 1" = 40'</p>

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