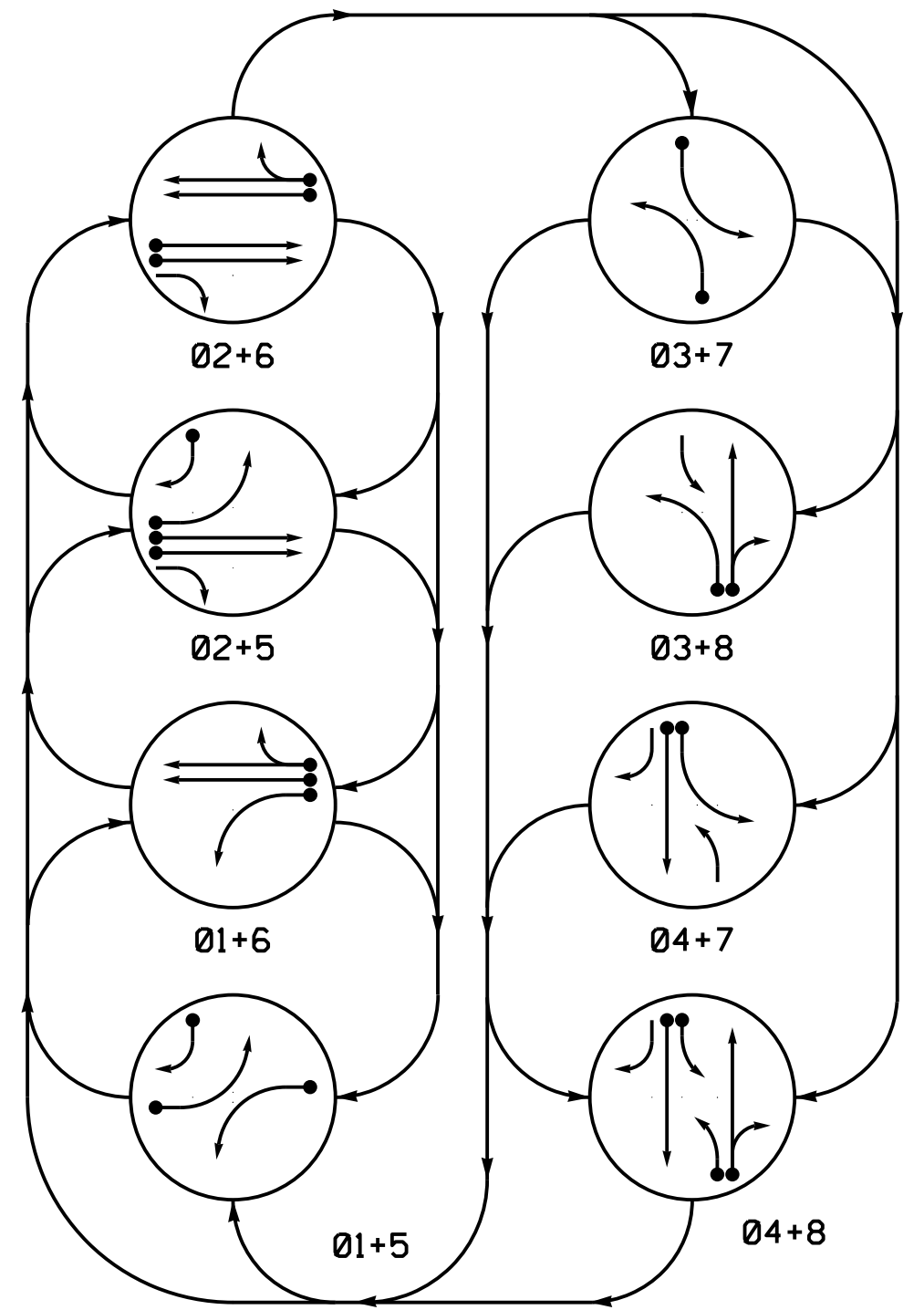


PHASING DIAGRAM



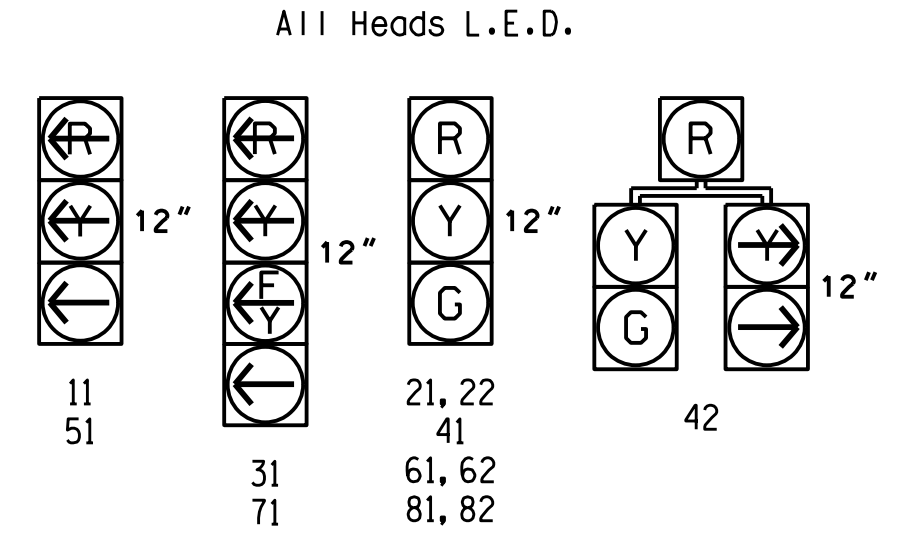
PHASING DIAGRAM DETECTION LEGEND

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

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	R	G	G
42	R	R	R	R	R	R	G	G
51	—	—	—	—	—	—	—	—
61, 62	R	G	R	G	R	R	R	Y
71	—	—	—	—	—	—	—	—
81, 82	R	R	R	R	R	G	R	G

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP/ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
				PHASE	CALLING	EXTENSION	STRETCH TIME			DELAY TIME
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	Y
2A/S3	6X6	300	*	Y	2	Y	Y	-	-	Y*
2B/S4	6X6	300	*	Y	2	Y	Y	-	-	Y*
3A	6X40	0	2-4-2	Y	3	Y	Y	-	-	15
4A	6X40	0	*	Y	4	Y	Y	-	-	3
5A	6X40	0	*	Y	5	Y	Y	-	-	-
5B	6X40	0	*	Y	5	Y	Y	-	-	15
6A/S1	6X6	300	5	Y	6	Y	Y	-	-	Y
6B/S2	6X6	300	5	Y	6	Y	Y	-	-	Y
7A	6X40	0	*	Y	7	Y	Y	-	-	15
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	10

* Video Detection Zone

8 Phase Fully Actuated (Rocky Mount Signal System)

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.
- Reposition signal head numbered 82.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Relocate existing wireless broadband communication equipment to the new cabinet.
- System data: Zone # 15 Controller Asset # 0111.

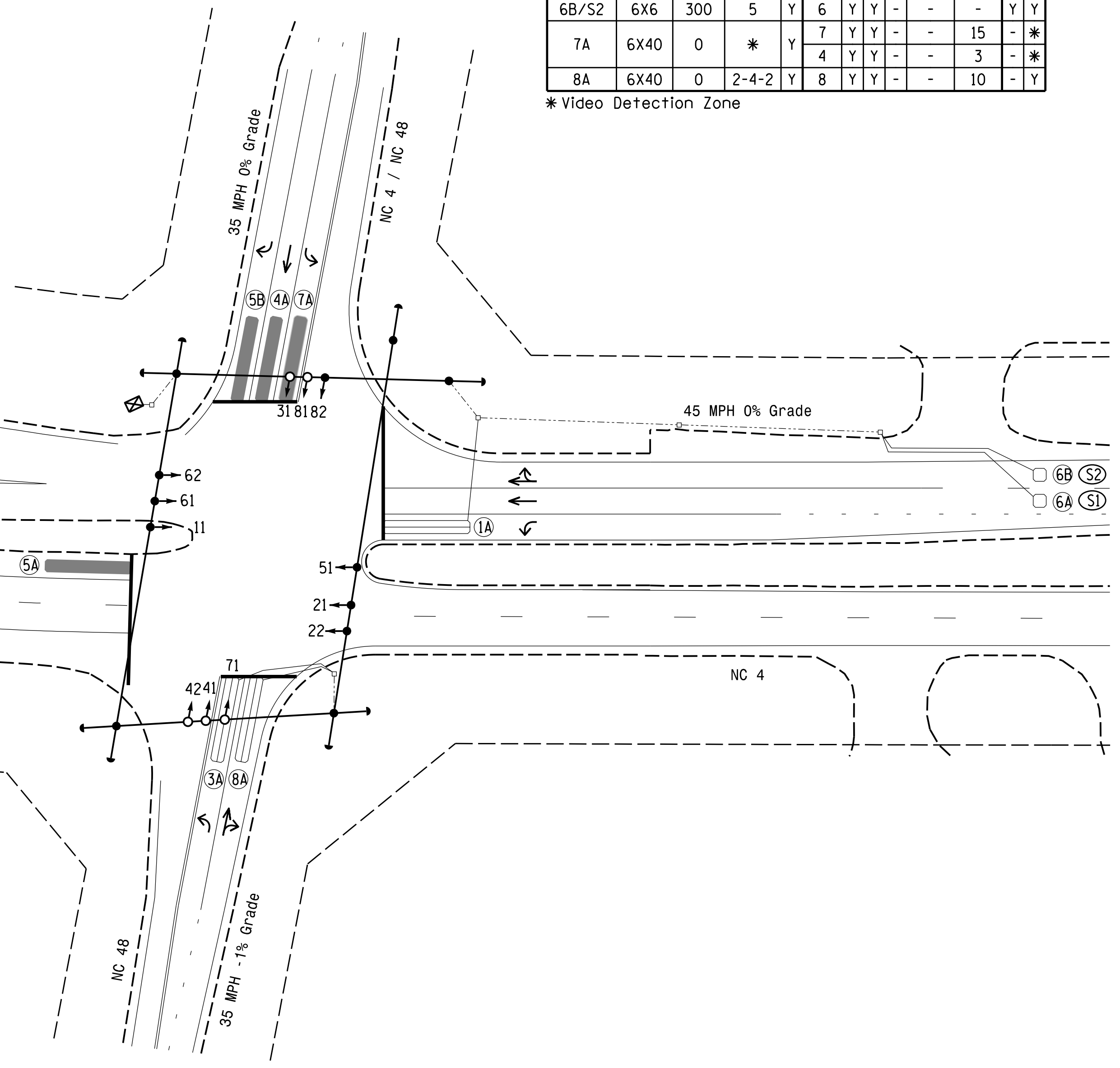
OASIS 2070 TIMING CHART

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 *	25	90	25	30	25	90	25	30
Yellow Clearance	3.0	4.8	3.0	3.9	3.0	4.5	3.0	3.9
Red Clearance	3.3	1.2	2.6	2.5	3.2	1.3	3.1	2.5
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 *	-	1.5	-	-	-	1.5	-	-
Max Variable Initial *	-	34	-	-	-	34	-	-
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	-	YELLOW	-	-	-	YELLOW	-	-
Dual Entry	-	-	-	ON	-	-	-	ON
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.

LEGEND

- | | | | |
|--|-----------------------------------|--|-----------------------------------|
| | PROPOSED Traffic Signal Head | | EXISTING Traffic Signal Head |
| | PROPOSED Signal Pole with Guy | | EXISTING Signal Pole with Guy |
| | PROPOSED Inductive Loop Detector | | EXISTING Inductive Loop Detector |
| | PROPOSED Video Detection Zone | | EXISTING Video Detection Zone |
| | PROPOSED Controller & Cabinet | | EXISTING Controller & Cabinet |
| | PROPOSED Junction Box | | EXISTING Junction Box |
| | PROPOSED 2-in Underground Conduit | | EXISTING 2-in Underground Conduit |
| | PROPOSED Right of Way | | EXISTING Right of Way |
| | PROPOSED Directional Arrow | | EXISTING Directional Arrow |



Signal Upgrade - Temporary Design 1 (TMP Phases I & II)

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Prepared For the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

I-95 Ramps and NC 4
 at
 NC 4 / NC 48
 Division 4 Nash County Rocky Mount
 PLAN DATE: June 2019 REVIEWED BY: A. Ravipati
 PREPARED BY: S. W. Cox REVIEWED BY: C.L. Kalencik

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

 DocuSigned by:
 Courtney L. Kalencik
 3/17/2020
 SIG. INVENTORY NO. 04-01111

3/16/2020
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