

TABLE OF OPERATION						
	Phase					
SIGNAL FACE	0 2+5	0 2+6	0 4	エヘローナ		
21,22	G	G	R	Υ		
41	R	R	G	R		
42	\mathbb{R}^{\downarrow}	R	G	R		
51	Ų	#	#	#		
61,62	R	O	R	Υ		

SIGNAL FACE I.D.

All Heads L.E.D.

12"	R Y 12"	R Y G 42
	61,62	

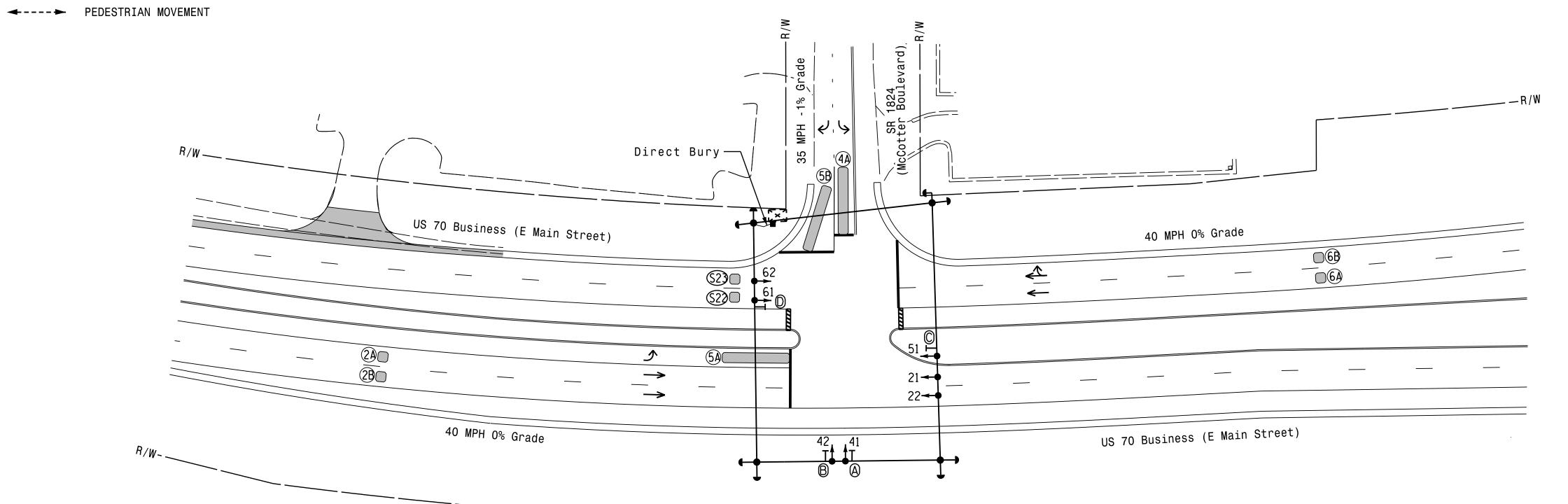
OASIS	2070	LOOP	& DET	EC	TOR	IN	ST	AL	LATIC	N CH	AR	Τ
II	INDUCTIVE LOOPS				DET	DETECTOR PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2·A	6X6	250	*	Υ	2	Υ	Υ	-	-	-	-	-
2·B	6X6	250	*	Υ	2	Υ	Υ	-	-	-	-	-
4·A	6X:40	0	*	Υ	4	Υ	Υ	-	-	3	-	-
5·A	6X:40	0	*	Υ	5	Υ	Υ	-	-	-	-	-
5·B	6X:40	0	*	Υ	5	Υ	Υ	-	-	15	-	-
6·A	6X6	250	*	Υ	6	Υ	Υ	1	-	-	-	-
6⋅B	6X6	250	*	Υ	6	Υ	Υ	-	-	-	-	-
S22	6X6	+100	*	Υ	-	-	-	-	-	_	Υ	-
S23	6X6	+100	*	Υ	_	-	-	-			Υ	-

* Multizone Microwave Detection

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT



OASIS	2070	TIMING	CHAR1	Γ
FEATURE	2	4	5	6
Min Green 1 *	12	7	7	12
Extension 1 *	6.0	2.0	2.0	6.0
Max Green 1 *	90	20	15	90
Yellow Clearance	4.2	3.0	3.0	4.2
Red Clearance	1.2	2.9	2.6	1.2
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	1.5	-	-	1.5
Max Variable Initial*	29	-	-	29
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	-	-	-	-
o: I: o	ON.	011	ON.	011

phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds

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3 Phase Fully Actuated Havelock US 70 Business CLS

PROJECT REFERENCE NO.

R-1015

<u>NOTES</u>

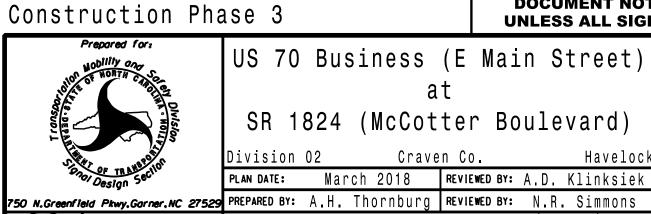
- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Phase 5 may be lagged.
- 4. Reposition existing signal heads numbered 21,22,51,and sign \mathbb{C} .
- 5. Set all detector units to presence mode.
- 6. Incorporate Microwave Detection system for vehicle detection.
- 7. Provide the Engineer with the Manufacturer's approved Microwave Detection locations and mounting heights to obtain detection zones as shown.
- 8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 9. Signal system data: Controller Asset #0649

<u>LEGEND</u>

<u>PROPOSED</u>	J	<u>EXISTING</u>
\bigcirc	Traffic Signal Head	
O ->	Modified Signal Head	N/A
<u> </u>	Sign	_
\Rightarrow	Pedestrian Signal Head With Push Button & Sign	•
\bigcirc	Signal Pole with Guy	•
S C	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	<u></u> _
\boxtimes	Controller & Cabinet	K K Z
	Junction Box	
	2-in Underground Conduit —	
N/A	Right of Way -	
\longrightarrow	Directional Arrow	\longrightarrow
	Metal Strain Pole	
	Microwave Detection Zone	
	Construction Zone	N/A
	Construction Barricade	N/A
A Le	eft Arrow "ONLY" Sign (R3-5L)	A
⟨B⟩ Ri	ght Arrow "ONLY" Sign (R3-5R)	lacksquare

"U-TURN YIELD TO RIGHT TURN" Sign No U-turn Sign (R3-4)

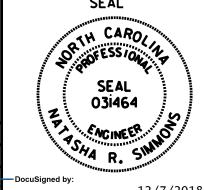
> DOCUMENT NOT CONSIDERED FINAL **UNLESS ALL SIGNATURES COMPLETED**



Signal Upgrade

Temporary Design 3

SR 1824 (McCotter Boulevard) March 2018 REVIEWED BY: A.D. Klinksiek 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: A.H. Thornburg REVIEWED BY: N.R. Simmons INIT. DATE



SIG. INVENTORY NO. 02-0649T