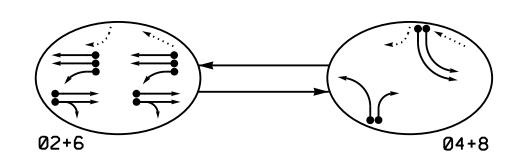
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP)

UNSIGNALIZED MOVEMENT →---- PEDESTRIAN MOVEMENT

TABLE OF OPERATION			
	PHASE		
SIGNAL FACE	0 2+6	04+8	止しなのエ
21,22,23,24	G	R	Υ
41,42	R	G	R
61,64	щ≻	#	*
62,63,65,66	G	R	Υ
81,82	R	G	R

SIGNAL FACE I.D. All Heads L.E.D.

21,22,23,24 41,42 62,63,65,66 81,82

PROJECT REFERENCE NO.	SHEET NO.
R - 1015	Sig. 9.0

2 Phase Fully Actuated Havelock US 70 Business CLS

<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. Set all detector units to presence mode.
- 4. In the event of loop replacement. refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- 5. Repaint pavement markings as shown.
- 6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 7. Signal system data: Controller Asset #0189

	R/W_	
		∕—New 2070E Controller
	SR 1705	/ and Cabinet on
	SR 1737 (Roosevelt Boulevard)	Existing Foundation
	velt Boulevan	
	(ard)	Metal Pole #1
	R/W 25 MPH	
	R/W- 25 MPH 0% Grade	Metal Pole #2
Metal Pole #5──		
Wetai role #5		
// //\	-1% Grade	
$\frac{40 \text{ MP}}{2400000000000000000000000000000000000$		40.415
us 70 Business (E Main — — — — — — — — — — — — — — — — — — —	42	40 MPH 0% Grade
	- $ -$	R/W
R/W	61	←
$\frac{1}{16} = \frac{1}{16} $	—————————————————————————————————————	
23-24-182		
- $ -$		
2A Sidewalk	40 MPH 0% Grade	dewalk
2B-4		US 70 Business (E Main Street) R/W
40 MPH +1% Grade		Metal Pole #3
HIM IN WELLT	ade	
5 8A8B 5 B 5	G S	
	+ / /	
OASIS 2070 TIMING CHART		

LEGEND

<u>PROPOSEI</u>	<u></u>	<u>EXISTING</u>
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
_	Sign	<u> </u>
\Rightarrow	Pedestrian Signal Head With Push Button & Sign	•
<u></u>)	Signal Pole with Guy	•
\mathcal{O}	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
\boxtimes	Controller & Cabinet	الا الا
	Junction Box	
	2-in Underground Conduit -	
N/A	Right of Way -	
\longrightarrow	Directional Arrow	\longrightarrow
0	Metal Pole with Mastarm	
	Metal Strain Pole	
\bigcirc	Type II Signal Pedestal	
$\langle \! \Delta \! \rangle$	"YIELD" Sign (R1-2)	\triangle
B	Left Arrow "ONLY" Sign (R3-5L)	lacksquare
©	Right Arrow "ONLY" Sign (R3-5R)	_
	No Left Turn Sign (R3-2)	lacktriangle
E	"DO NOT ENTER" Sign (R5-1)	E

DOCUMENT NOT CONSIDERED FINAL

FEATURE	2	4	6	8
Min Green 1 *	12	7	12	7
Extension 1 *	6.0	2.0	6.0	2.0
Max Green 1 *	90	25	90	25
Yellow Clearance	4.2	3.0	4.2	3.0
Red Clearance	2.1	3.6	2.1	2.6
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 Gan	3.0		3.0	_

PHASE

MIN RECALL

YELLOW

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

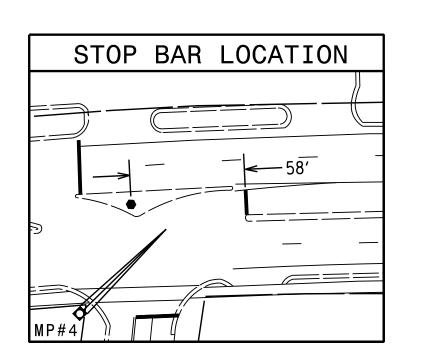
ON

MIN RECALL

Vehicle Call Memory

Simultaneous Gap

Dual Entry



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

6 |-| 2 |Y|Y|-

|-**|** 2 |Y|Y|

- **|** 6 | Y | Y |

- **|** 6 | Y | Y |

DETECTOR PROGRAMMING

INDUCTIVE LOOPS

6X6 | 250 | 6X6 | 250 |

6X6 240

FROM STOPBAR

6X6 | 240 | 5

6X6 250 4

6X6 250 4

6X40 0 2-4-2

6X6 250 3

6X:40 +5 2-4-2

6F 6X40 0 2-4-2 - 6 Y Y

6X6 250

6X6 | +300 |

S29 6X6 +300

+5 2-4-2

+5 | 2-4-2 | - | 8 | Y | Y |

SIZE

2B

2·C 2Đ

> Signal Upgrade **UNLESS ALL SIGNATURES COMPLETED** US 70 Business (E Main Street) at SR 1737 (Roosevelt

Boulevard)/Wood Haven Drive March 2018 REVIEWED BY: A.D. Klinksiek 750 N.Greenfleid Pkwy.Garner.NC 27529 PREPARED BY: A.H. Thornburg REVIEWED BY: N.R. Simmons INIT. DATE

SIG. INVENTORY NO. 02-0189

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