PROJECT REFERENCE NO. C-5558 Sig. 220.0

## 2 Phase Fully Actuated (High Point Signal System)

## NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- 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. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on
- 6. Pavement markings are existing.
- 7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

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,2B	6×6	300	EXIST	-	2	Υ	Υ	-	-	-	-	Υ
2 C	6×60	0	2-4-2	-	2	Y	Y	Υ	-	3	-	Υ
4 A	6×60	0	2-4-2	-	4	Y	Y	-	_	-	_	Υ
4 B	6×60	0	2-4-2	_	4	Y	Y	_	_	_	_	Υ
6A,6B	6×6	300	EXIST	-	6	Y	Y	_	_	_	_	Υ
6 C	6×60	0	2 - 4 - 2	-	6	Y	Y	Υ	_	3	-	Y
8 A	6×60	0	EXIST	-	8	Y	Y	-	-	-	-	Υ
8 B	6×60	0	EXIST	-	8	Y	Y	-	-	-	-	Υ
S 1	6×6	+215	EXIST	_	SYS	1	1	-	-	_	Υ	Υ
S 2	6×6	+215	EXIST	_	SYS	-	-	-	_	_	Υ	Υ
S 3	6×6	+216	EXIST	-	SYS	-	-	-	-	-	Υ	Υ
S 4	6×6	+216	EXIST	-	SYS	-	-	-	-	-	Υ	Υ

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

DETECTOR PROGRAMMING

INDUCTIVE LOOPS

PHASING DIAGRAM

PHASING DIAGRAM DETECTION LEGEND

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

DETECTED MOVEMENT

PEDESTRIAN MOVEMENT

04+8

Ø2+6

TABLE OF OPERATION

SIGNAL

FACE

21, 22, 23, 24

61, 62, 63

SIGNAL FACE I.D.

All Heads L.E.D.

21, 22, 23, 24 41, 42

61, 62, 63

81,82

81, 82

41,42

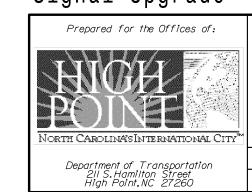
PHASE

OASIS	2070	TIMING	G CHART	Γ			
	PHASE						
FEATURE	2	4	6	8			
Min Green 1 *	12	7	12	7			
Extension 1 *	6.0	1.0	6.0	1.0			
Max Green 1 *	60	25	60	25			
Yellow Clearance	4.5	4.1	4.4	4.3			
Red Clearance	1.3	1.6	1.5	1.6			
Red Revert	2.0	2.0	2.0	2.0			
Walk 1 *	-	-	-	-			
Don't Walk 1	-	-	-	-			
Seconds Per Actuation *	1.7	-	1.7	-			
Max Variable Initial *	34	-	34	-			
Time Before Reduction *	15	-	15	-			
Time To Reduce *	30	-	30	-			
Minimum Gap	3.4	-	3.4	=			
Recall Mode	MIN RECALL	-	MIN RECALL	-			
Vehicle Call Memory	YELLOW	-	YELLOW	-			
Dual Entry	-	ON	-	ON			
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 45 mph 0.3% grade

LEGEND **PROPOSED** <u>EXISTING</u> Traffic Signal Head  $\bigcirc$ **-**Modified Signal Head N/A Sign Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector Controller & Cabinet Junction Box 2-in Underground Conduit N/A Right of Way Directional Arrow A Street Name Sign
B Left Arrow "ONLY" Sign (R3-5L)
C Right Arrow "ONLY" Sign (R3-5R)

Signal Upgrade



Johnson Street Old Mill Road

High Point ORTH CAROLINASINTERNATIONAL CITY Division 07 Guilford County LM Moon April 2014 REVIEWED BY: PREPARED BY: AM Encarnacion Reviewed By: MB Toth REVISIONS INIT. DATE

Melissa B. Toth 6/5/2015 SIG. INVENTORY NO.

025892