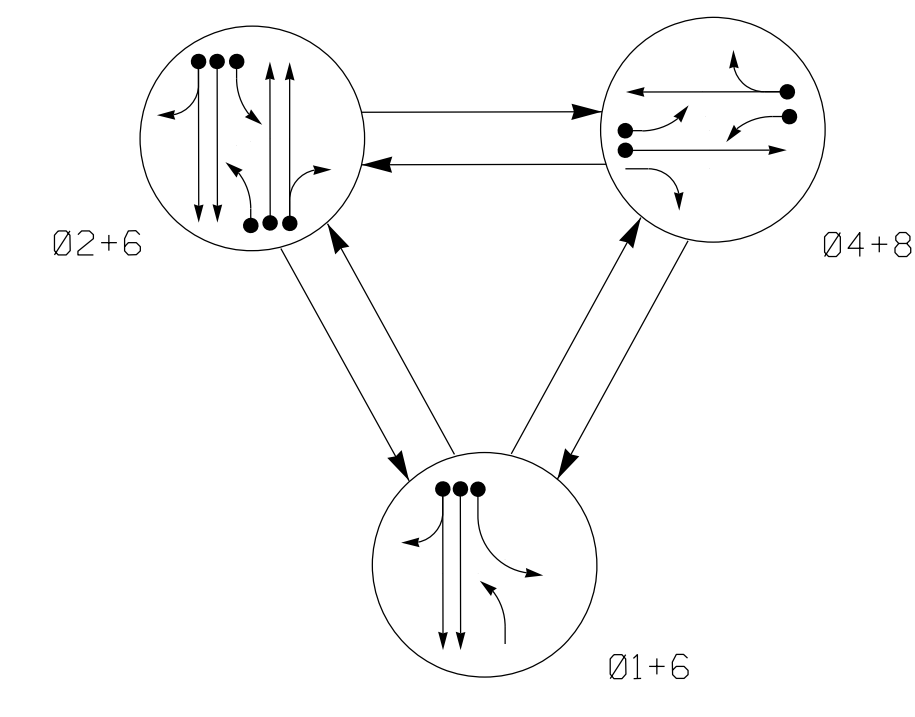


PHASING DIAGRAM

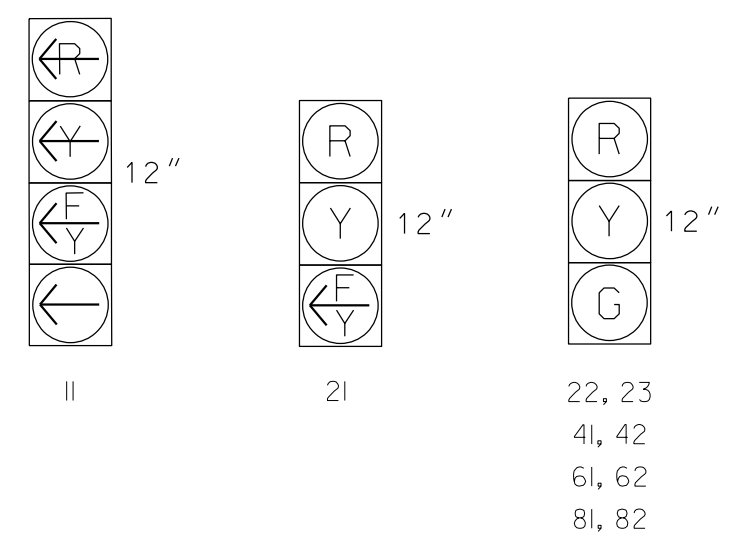


PHASING DIAGRAM DETECTION LEGEND
 ● DETECTED MOVEMENT
 ○ UNDETECTED MOVEMENT (OVERLAP)
 ○ UNSIGNALIZED MOVEMENT
 ⇄ PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE			
	01+6	02+6	04+8	FLASH
11	←	←	←	←
21	←	←	←	←
22, 23	R	G	R	Y
41, 42	R	R	G	R
61, 62	G	G	R	Y
81, 82	R	R	G	R

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



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING								
				NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6x20	65	exist	-	1	Y	Y	-	-	15	-	Y
2A, 2B	6x6	80	exist	-	2	Y	Y	-	-	-	-	Y
2C	6x40	0	exist	-	2	Y	Y	-	-	3	-	Y
4A	6x40	+5	2-4-2	-	4	Y	Y	-	-	3	-	Y
4B	6x40	+5	2-4-2	-	4	Y	Y	-	-	3	-	Y
6A	6x20	97	exist	-	6	Y	Y	-	-	-	-	Y
6B	6x40	0	2-4-2	-	6	Y	Y	-	-	3	-	Y
8A	6x40	+5	2-4-2	-	8	Y	Y	-	-	3	-	Y
8B	6x40	0	2-4-2	-	8	Y	Y	-	-	-	-	Y

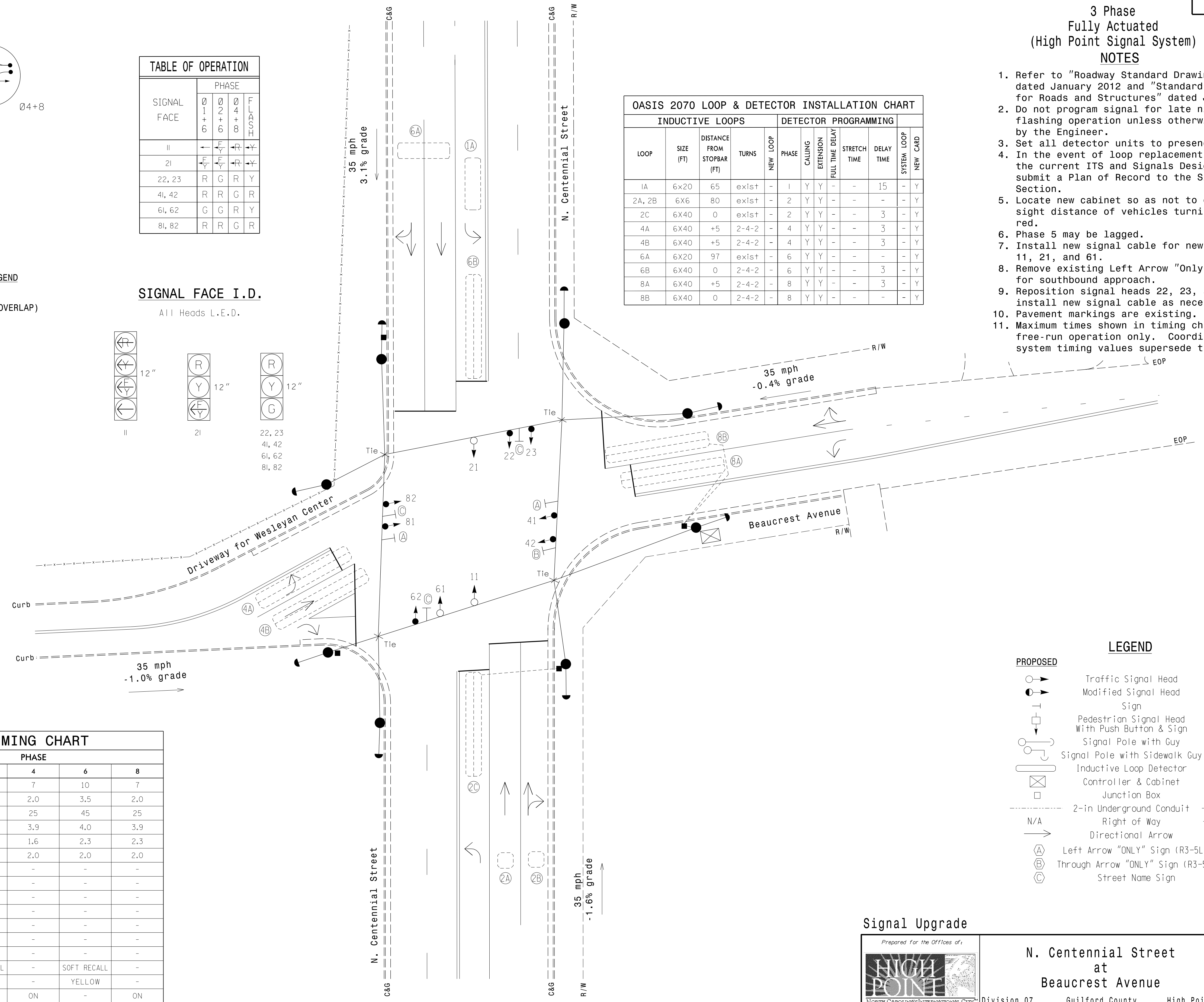
3 Phase Fully Actuated (High Point Signal System) NOTES

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 red.
6. Phase 5 may be lagged.
7. Install new signal cable for new signal heads 11, 21, and 61.
8. Remove existing Left Arrow "Only" Sign (R3-6L) for southbound approach.
9. Reposition signal heads 22, 23, and 62, and install new signal cable as necessary.
10. Pavement markings are existing.
11. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

OASIS 2070 TIMING CHART

FEATURE	PHASE				
	1	2	4	6	8
Min Green 1 *	7	10	7	10	7
Extension 1 *	2.0	3.2	2.0	3.5	2.0
Max Green 1 *	15	45	25	45	25
Yellow Clearance	3.0	4.0	3.9	4.0	3.9
Red Clearance	2.3	2.3	1.6	2.3	2.3
Red Revert	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-
Don't Walk 1	-	-	-	-	-
Seconds Per Actuation *	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Recall Mode **	-	SOFT RECALL	-	SOFT RECALL	-
Vehicle Call Memory	-	YELLOW	-	YELLOW	-
Dual Entry	-	-	ON	-	ON
Simultaneous Gap	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.
 ** May be changed to Min Recall by Time of Day at discretion of City Traffic Engineer.



LEGEND

PROPOSED	EXISTING
○ Traffic Signal Head	● Traffic Signal Head
○ Modified Signal Head	N/A
○ Sign	○ Sign
○ Pedestrian Signal Head With Push Button & Sign	○ Pedestrian Signal Head With Push Button & Sign
○ Signal Pole with Guy	○ Signal Pole with Guy
○ Signal Pole with Sidewalk Guy	○ Signal Pole with Sidewalk Guy
○ Inductive Loop Detector	○ Inductive Loop Detector
○ Controller & Cabinet	○ Controller & Cabinet
○ Junction Box	○ Junction Box
○ 2-in Underground Conduit	○ 2-in Underground Conduit
○ Right of Way	○ Right of Way
○ Directional Arrow	○ Directional Arrow
○ Left Arrow "ONLY" Sign (R3-5L)	○ Left Arrow "ONLY" Sign (R3-5L)
○ Through Arrow "ONLY" Sign (R3-5A)	○ Through Arrow "ONLY" Sign (R3-5A)
○ Street Name Sign	○ Street Name Sign

Signal Upgrade

Prepared for the Offices of:

HIGH POINT
NORTH CAROLINA INTERNATIONAL CITY

Department of Transportation
211 S. Hamilton Street
High Point, NC 27260

N. Centennial Street at Beaucrest Avenue

Division 07 Guilford County High Point

PLAN DATE: July 2014 REVIEWED BY: LM Moon
 PREPARED BY: DL Jones REVIEWED BY: MB Toth

REVISIONS: _____ INIT: _____ DATE: _____

SCALE: 1"=20'

DocuSigned by: **Melissa B. Toth** 6/5/2015
 SIGNATURE DATE
 SIG. INVENTORY NO. HP0814

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 025892
 MELISSA B. TOTH

05-JUN-2015 15:54
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