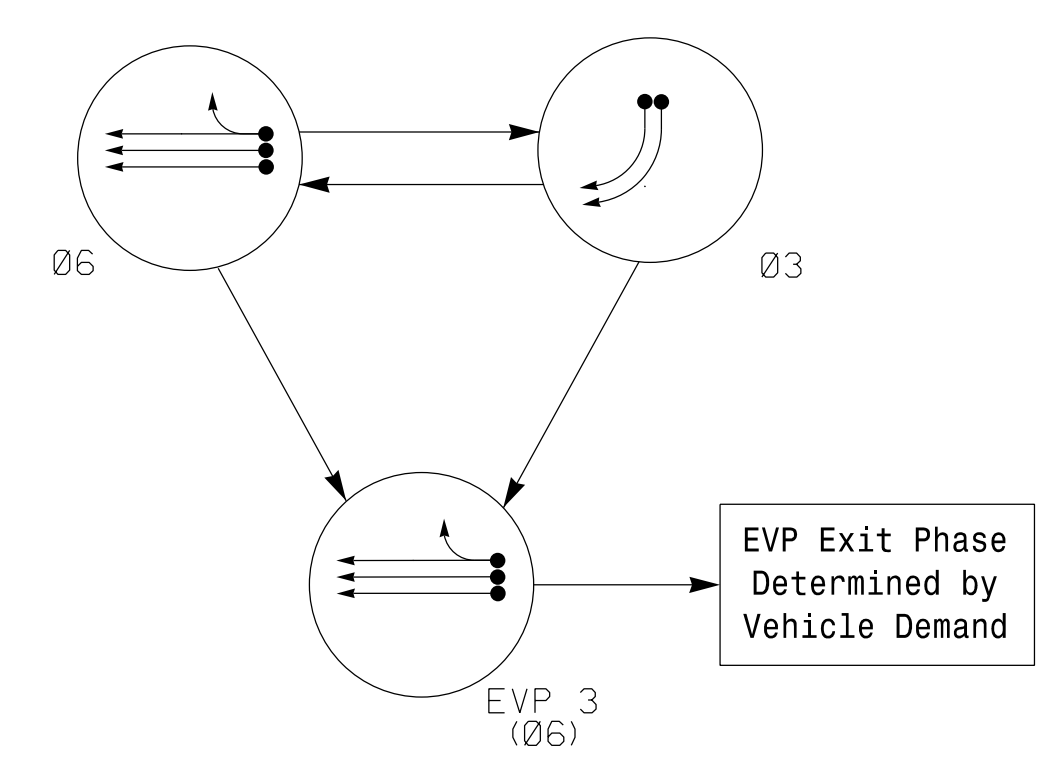
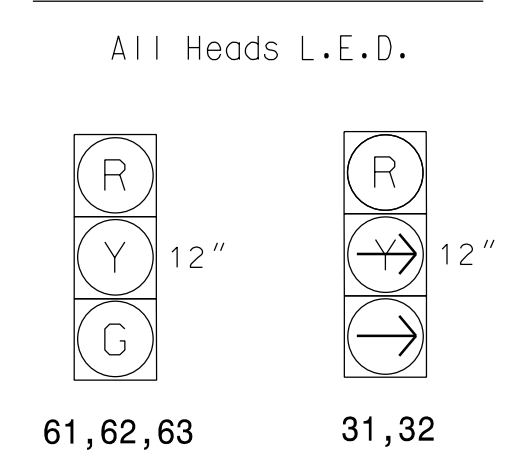


PHASING DIAGRAM



SIGNAL FACE	PHASE		
	Ø 3	Ø 6	EVP 3
31, 32	R	R	R
61, 62, 63	R	G	Y

SIGNAL FACE I.D.



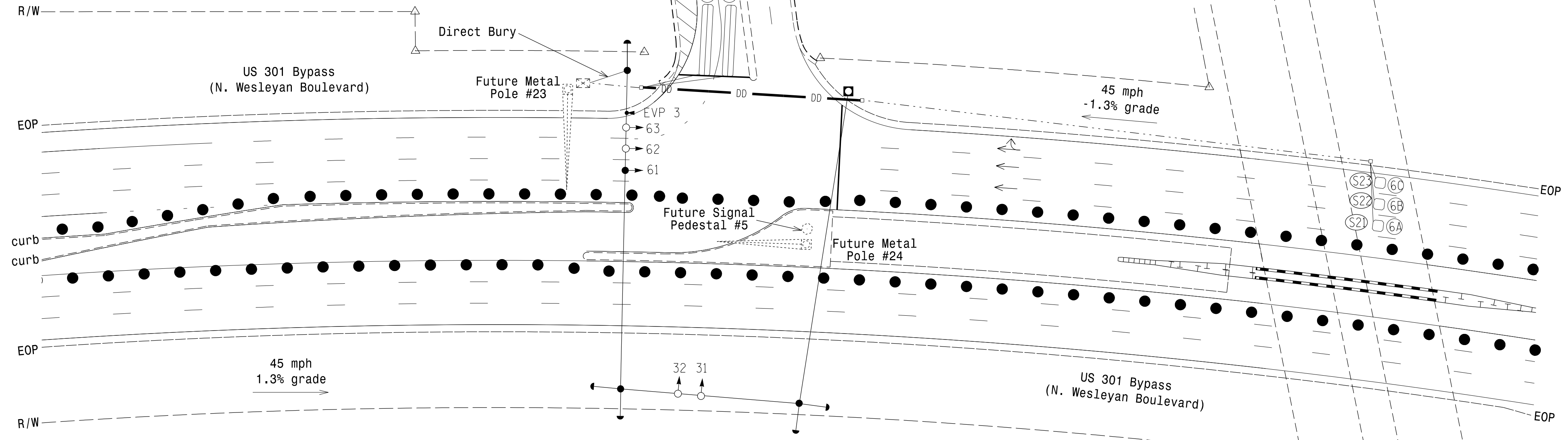
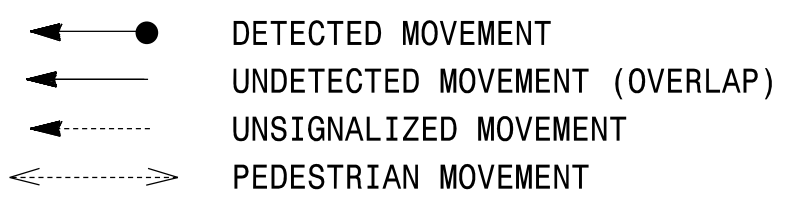
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
DETECTION ZONES				DETECTOR PROGRAMMING								
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
3A	6X40	0	2-4-2	Y	3	Y	Y	-	-	15	-	Y
3B	6X40	0	2-4-2	Y	3	Y	Y	-	-	15	-	Y
6A/S21	6X6	300	5	Y	6	Y	Y	-	-	-	Y	Y
6B/S22	6X6	300	5	Y	6	Y	Y	-	-	-	Y	Y
6C/S23	6X6	300	5	Y	6	Y	Y	-	-	-	Y	Y

2 Phase W/ EV Preempt Fully Actuated Rocky Mount Signal System

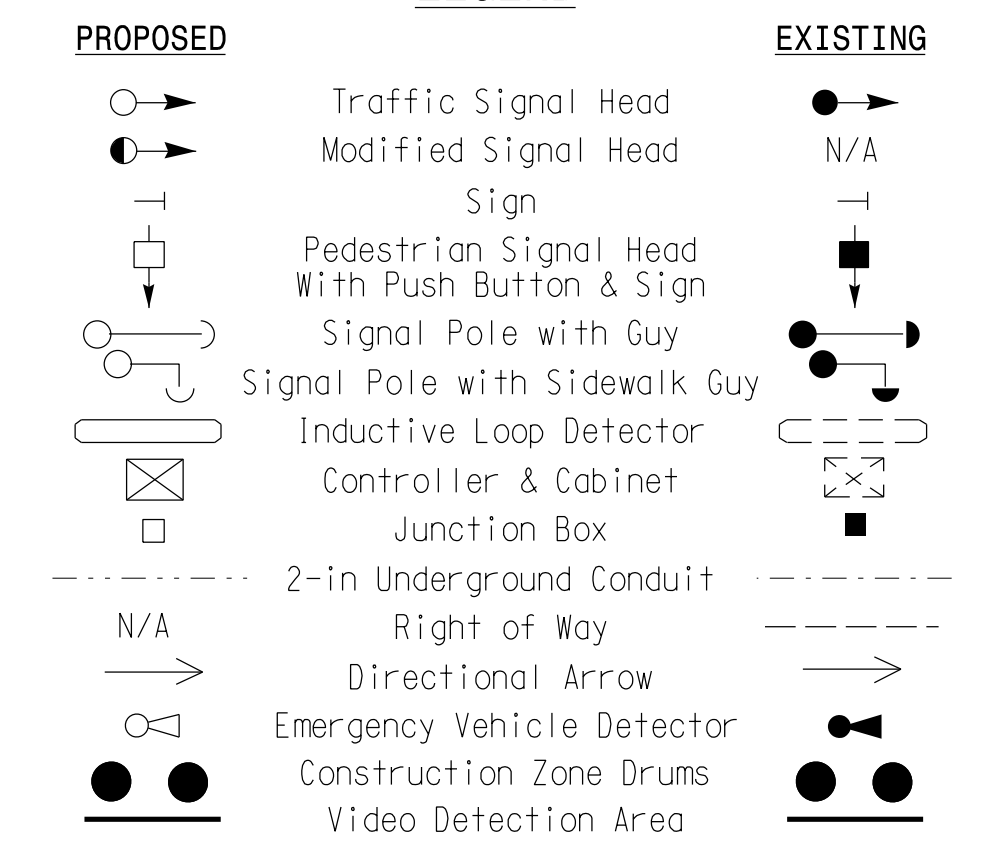
NOTES

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. Reposition signal head numbered 61 as shown.
5. This intersection features an optical preemption system. Shown locations of optical detectors are conceptual only.
6. Reuse EVP 3 detector and remove EVP 5 detector. Reuse phase selector for EVP 3 and remove phase selector for EVP 5. See Project Special Provisions.
7. Maximum times shown in timing charts are for free-run operation only. Coordinated signal timing values supersede these values.

PHASING DIAGRAM DETECTION LEGEND



LEGEND



OASIS 2070E TIMING CHART		
FEATURE	PHASE	
	3	6
Min Green 1 *	7	12
Extension 1 *	2.0	6.0
Max Green 1 *	30	60
Yellow Clearance	3.2	4.7
Red Clearance	1.4	1.4
Red Revert	2.0	2.0
Walk 1 *	-	-
Don't Walk 1	-	-
Seconds Per Actuation *	-	1.5
Max Variable Initial *	-	34
Time Before Reduction *	-	15
Time To Reduce *	-	30
Minimum Gap	-	3.0
Recall Mode	-	MIN RECALL
Vehicle Call Memory	-	YELLOW
Dual Entry	-	-
Simultaneous Gap	ON	ON

OASIS 2070 EV PREEMPT	
FUNCTION	PRE 3
Interval 1 - Dwell Green	255
Interval 1 - Dwell Yellow	0.0*
Interval 1 - Dwell Red	0.0*
Interval 5 - Exit Green	0
Interval 5 - Yellow	0.0
Interval 5 - Red	0.0
Exit Phase(s)	-
Priority	MED
Delay Time	0.0
Min Green Before Pre	1
Ped Clear Before Pre	0
Yellow Clear Before Pre	0.0*
Red Clear Before Pre	0.0*
Dwell Min Time	12
Enable Backup Protection	N
Ped Clear Through Yellow	N
Omit Overlaps	-
Preempt Extend**	5

* Time defaults to time used for phase during normal operation
 ** Program Timing on Optical Detection Unit

* 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.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Signal Upgrade - Temporary Design 2 (Area 3 TMP Phase III)

 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-8888 NOBEE'S #F-0326	Prepared for the Offices of: TRANSPORTATION MOBILITY AND SAFETY DIVISION DIVISION OF TRANSPORTATION PLANNING AND DESIGN SIGNAL DESIGN SECTION 750 N. Greenfield Pkwy, Garner, NC 27529	US 301 Byp. (N. Wesleyan Blvd) at Word Plaza Rocky Mount Division 04 Nash County	SEAL MELISSA B. TOTH ENGINEER SEAL 025892
	PLAN DATE: November 2016 PREPARED BY: AM Encarnacion REVISIONS:	REVIEWED BY: MB Toth DATE:	1/30/2017 DATE:

30-JAN-2017 11:52
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