

PHASING DIAGRAM

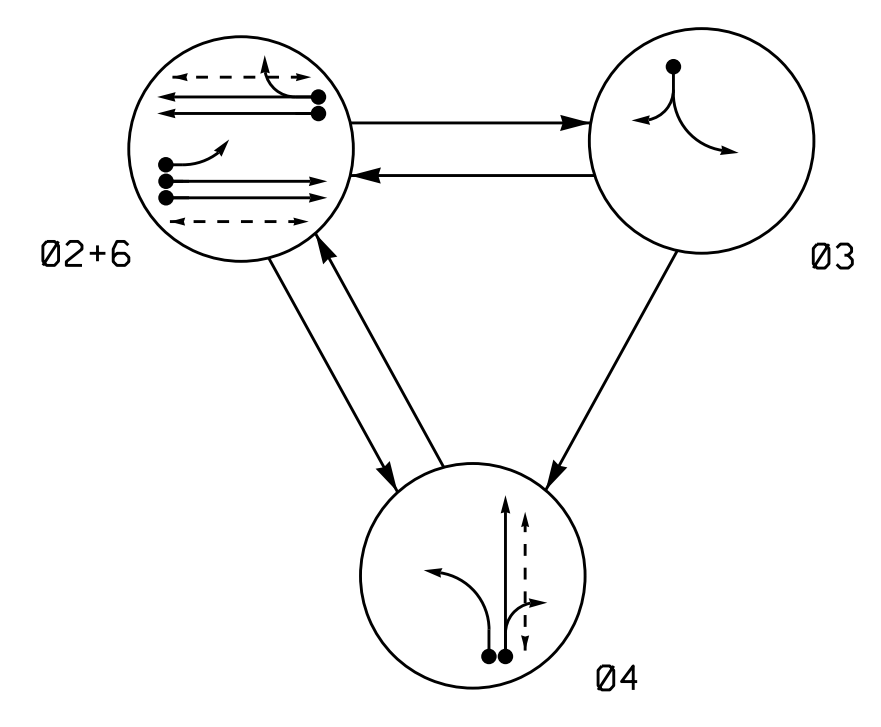
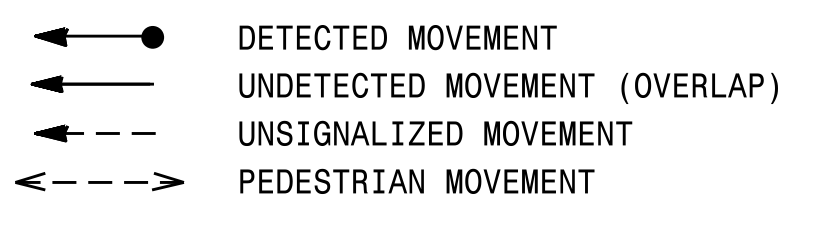


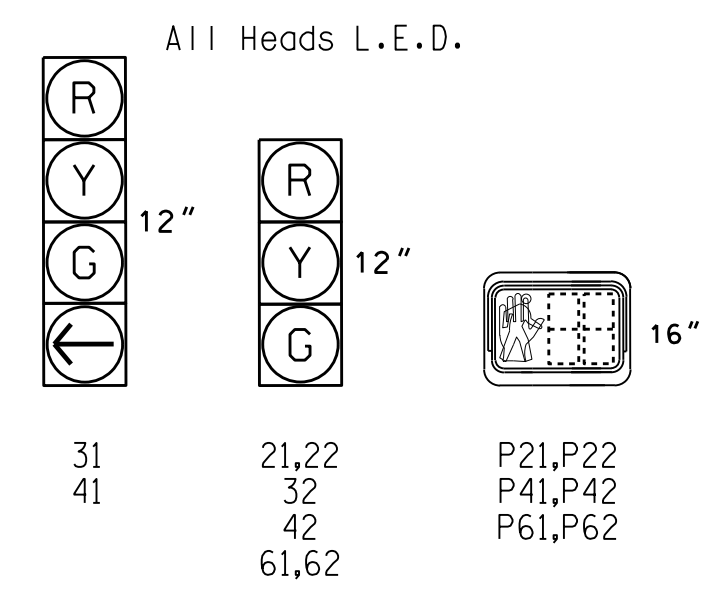
TABLE OF OPERATION

SIGNAL FACE	PHASE			
	Ø2+6	Ø3	Ø4	F
21,22	G	R	R	Y
31	R	G	R	R
32	R	G	R	R
41	R	R	G	R
42	R	R	G	R
61,62	G	R	R	Y
P21,P22	W	DW	DW	DRK
P41,P42	DW	DW	W	DRK
P61,P62	W	DW	DW	DRK

PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE I.D.



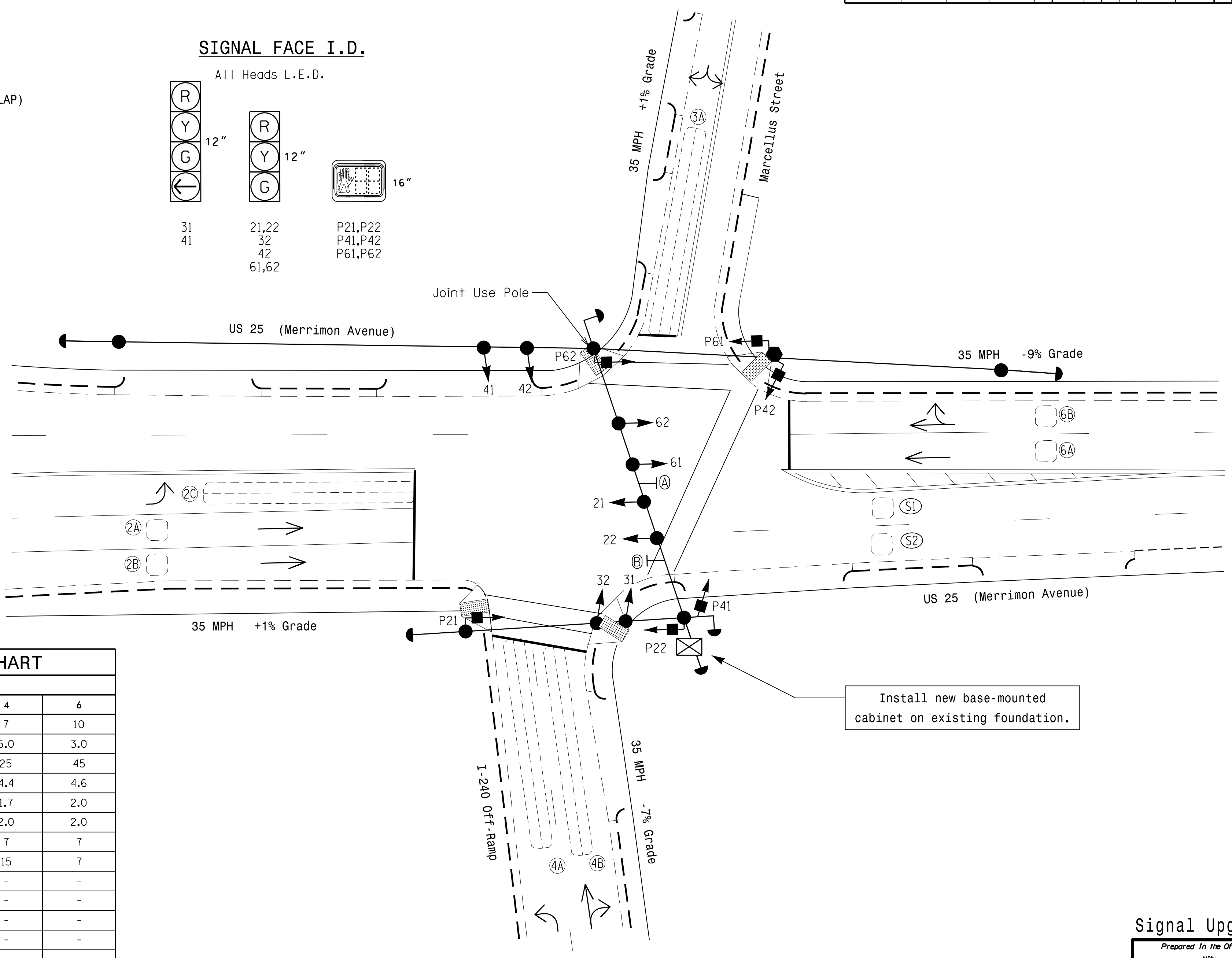
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING					SYSTEM LOOP NEW CARD		
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	PHASE	CALLING EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	-	-	
2A	6X6	70	4	-	2	Y	Y	-	-	-	Y
2B	6X6	70	4	-	2	Y	Y	-	-	-	Y
2C	6X60	0	2-4-2	-	2	Y	Y	-	-	-	Y
3A	6X60	0	2-4-2	-	3	Y	Y	-	-	10	Y
4A	6X60	0	2-4-2	-	4	Y	Y	-	-	-	Y
4B	6X60	0	2-4-2	-	4	Y	Y	-	-	10	Y
6A	6X6	70	4	-	6	Y	Y	-	-	-	Y
6B	6X6	70	4	-	6	Y	Y	-	-	-	Y
S1	6X6	+130	4	-	-	-	-	-	-	-	Y
S2	6X6	+130	4	-	-	-	-	-	-	-	Y

3 Phase Fully Actuated Asheville Signal System

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- 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.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- The cabinet should be designed to include an Auxiliary Output file for future use.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

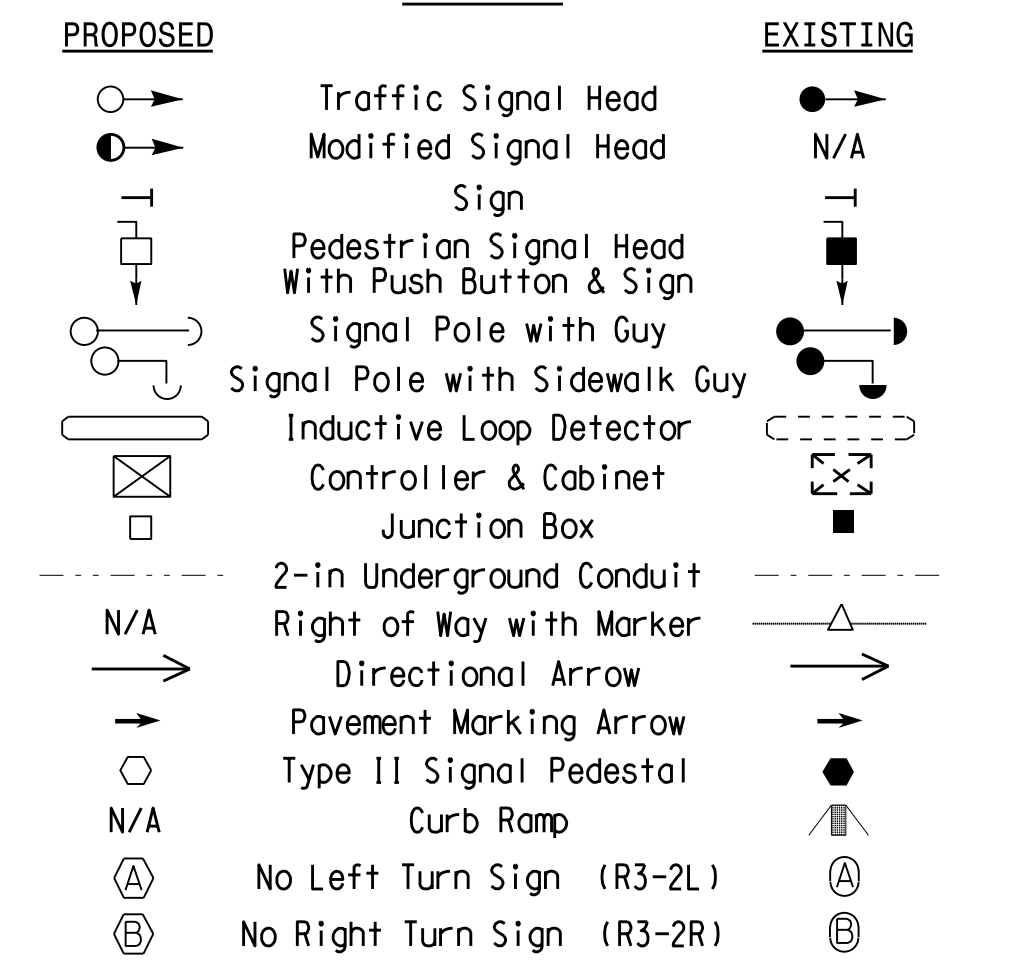


OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	3	4	6
Min Green 1*	10	7	7	10
Extension 1*	3.0	1.0	5.0	3.0
Max Green 1*	45	15	25	45
Yellow Clearance	4.6	3.8	4.4	4.6
Red Clearance	2.0	1.7	1.7	2.0
Red Revert	2.0	2.0	2.0	2.0
Walk 1*	7	-	7	7
Don't Walk 1	5	-	15	7
Seconds Per Actuation *	-	-	-	-
Max Variable Initial*	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduction *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MIN RECALL	-	-	MIN RECALL
Vehicle Call Memory	YELLOW	-	-	YELLOW
Dual Entry	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON

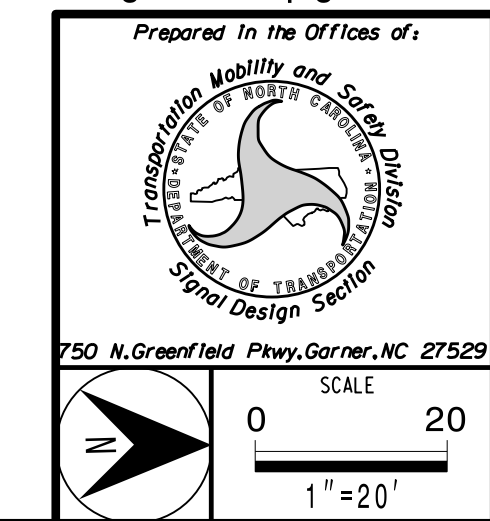
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND



Install new base-mounted cabinet on existing foundation.

Signal Upgrade



US 25 (Merrimon Avenue) at I-240 Off-Ramp/Marcellus Street		Division 13 Buncombe County Asheville
PLAN DATE: June 2016	REVIEWED BY: T.J. Williams	PREPARED BY: R.N. Zinser
REVISIONS	INIT.	DATE
8/10/2016		DATE
SIG. INVENTORY NO. 13-0449		

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

10:41:06-2016 11:14
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 Design: R.N. Zinser
 Date: 8/10/2016 10:41:06