

PHASING DIAGRAM

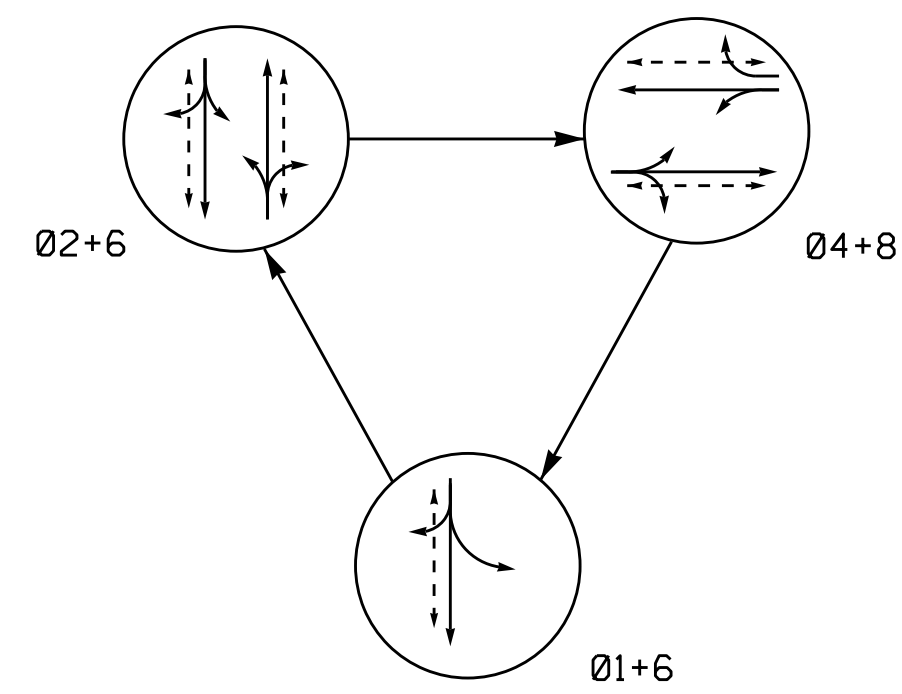


TABLE OF OPERATION

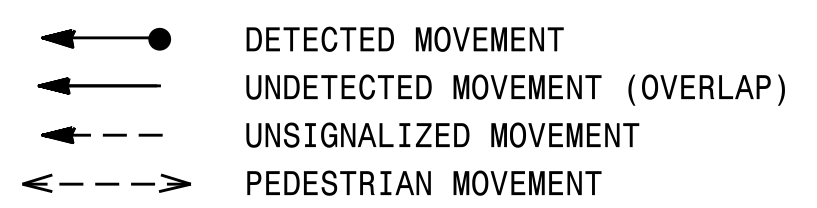
SIGNAL FACE	PHASE				
	01+6	02+6	04+8	FLASH	
21, 22	R	G	R	Y	
41, 42	R	R	G	R	
61	G	G	R	Y	
62	G	G	R	Y	
81, 82	R	R	G	R	
P21, P22	DW	W	DW	DRK	
P41, P42	DW	W	DW	DRK	
P61, P62	W	W	DW	DRK	
P81, P82	DW	DW	W	DRK	

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

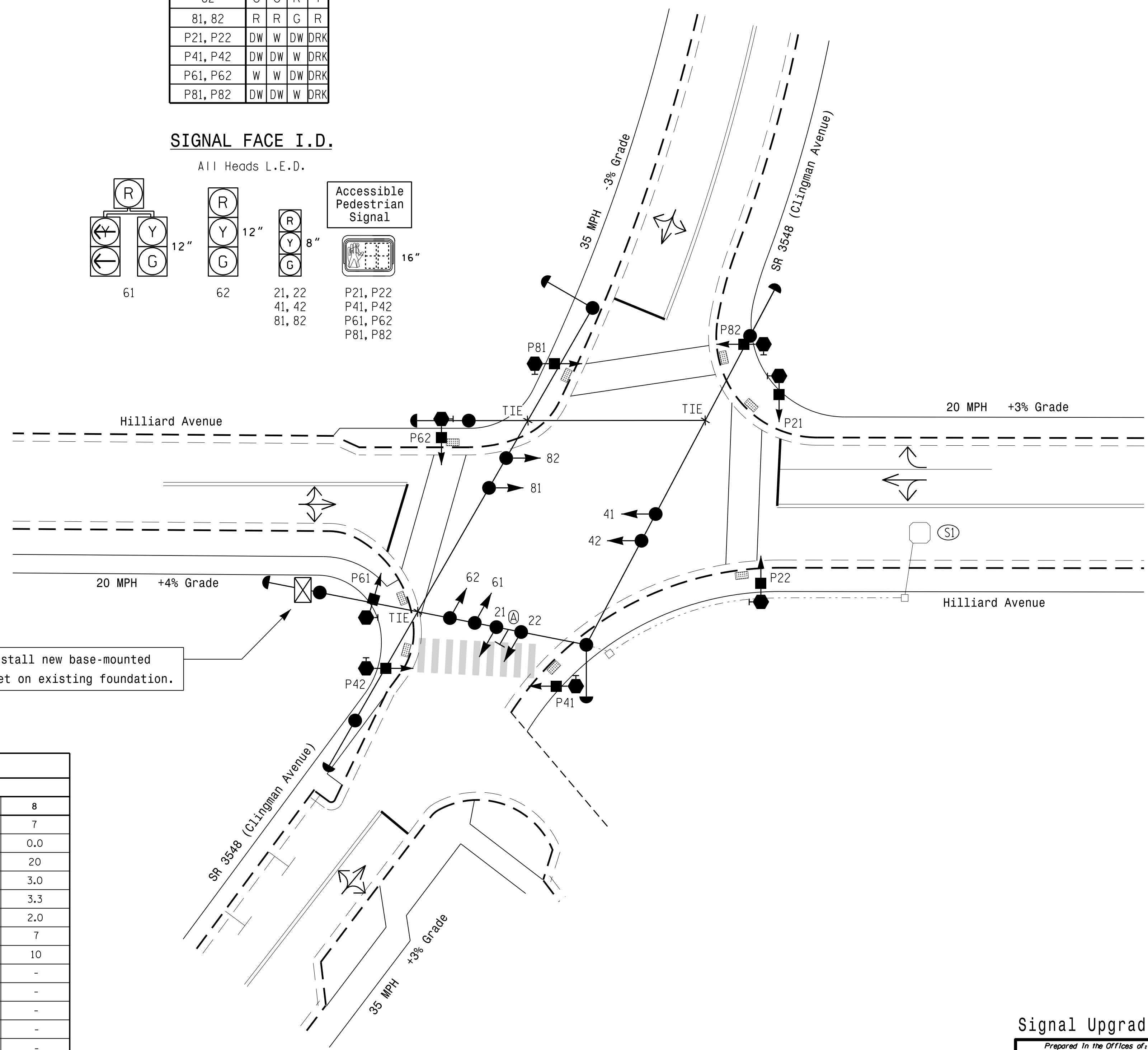
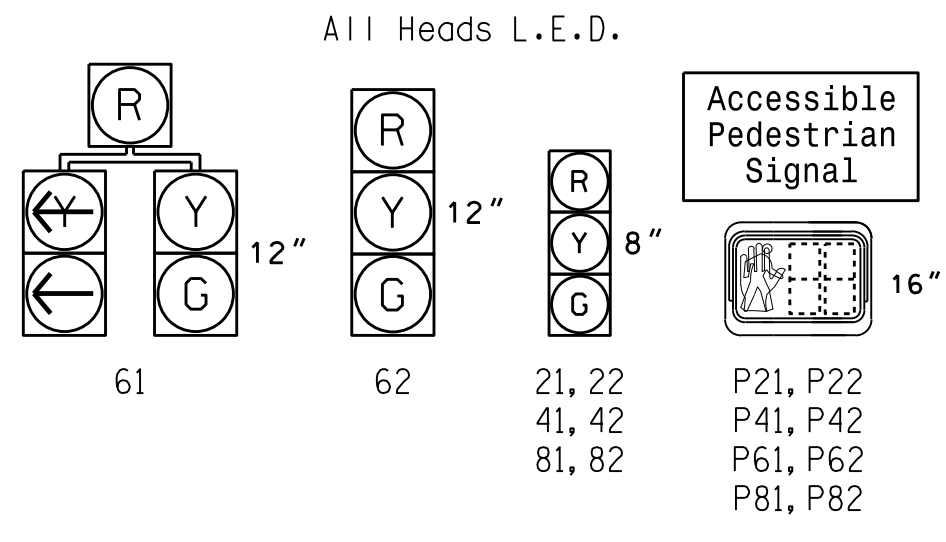
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
S1	6X6	+150	4	Y	-	-	-	-	-	-	Y	Y

3 Phase Pre-Timed Asheville Signal System

PHASING DIAGRAM DETECTION LEGEND

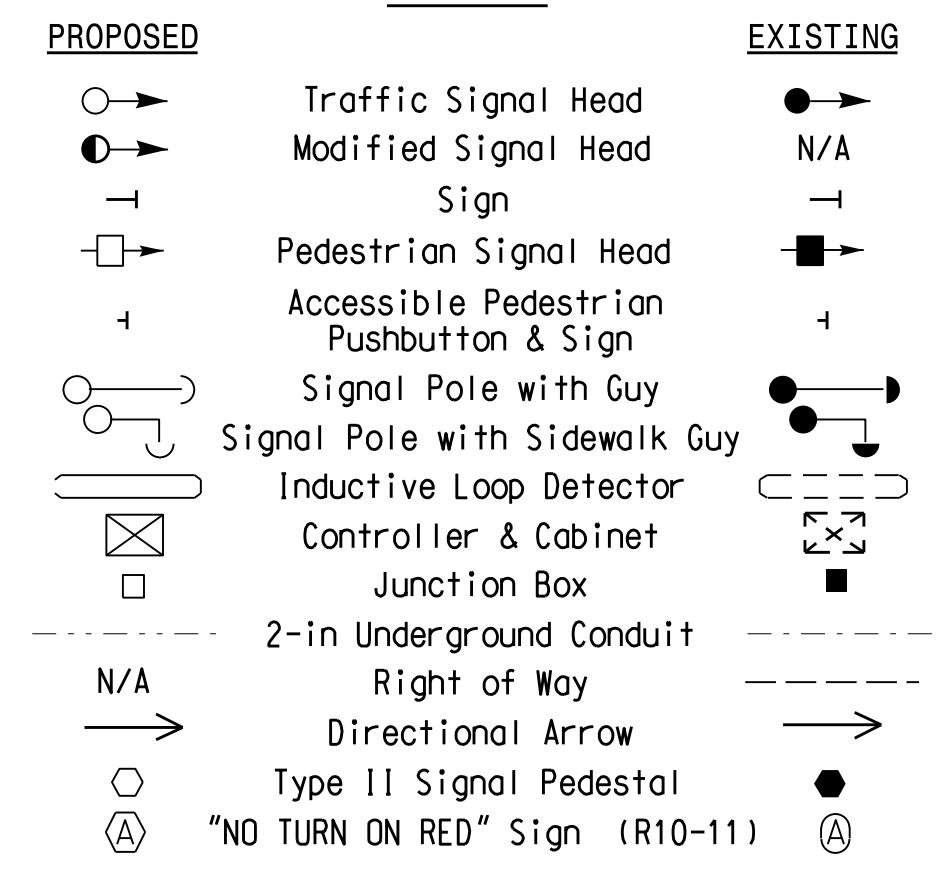


SIGNAL FACE I.D.



- 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. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
  4. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
  5. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
  6. All Pedestrian Signals are Accessible Pedestrian Signals.
  7. Pavement markings are existing.

LEGEND



OASIS 2070 TIMING CHART

FEATURE	PHASE				
	1	2	4	6	8
Min Green 1 *	7	10	7	10	7
Extension 1 *	0.0	0.0	0.0	0.0	0.0
Max Green 1 *	15	25	20	25	20
Yellow Clearance	3.0	4.1	3.0	4.1	3.0
Red Clearance	2.4	3.1	3.3	3.1	3.3
Red Revert	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	7	7	7	7
Don't Walk 1	-	11	10	11	10
Seconds Per Actuation *	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Recall Mode	MAX RECALL	MAX RECALL	MAX RECALL	MAX RECALL	MAX RECALL
Vehicle Call Memory	-	-	-	-	-
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.

Install new base-mounted cabinet on existing foundation.

Signal Upgrade

Prepared in the Offices of:  
  
 750 N. Greenfield Pkwy, Garner, NC 27529

SR 3548 (Clingman Ave.) at Hilliard Avenue

Division 13 Buncombe County Asheville

PLAN DATE: May 2016 REVIEWED BY: P.L. Alexander  
 PREPARED BY: R.N. Zinser REVIEWED BY:

REVISIONS: INIT. DATE

SCALE: 1"=20'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 RICHARD N. ZINSER  
 SEAL 043914

R.N. Zinser 8/8/2016  
 DATE: 8/8/2016  
 SIG. INVENTORY NO. 13-0400

21-4000-2016-10-24  
 S:\IT\SSU\13-Sig\Signal\Western Region\01\13-0400-4715B (Asheville) Signal System\Signal Design\Signal Design\01\30400-sig\_dsn\_2016mdd-dgn.rvt  
 R.N. Zinser