

PHASING DIAGRAM

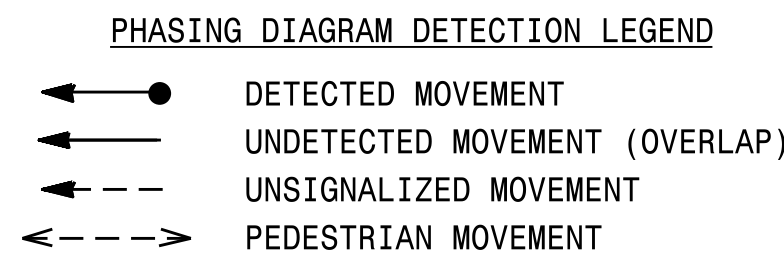
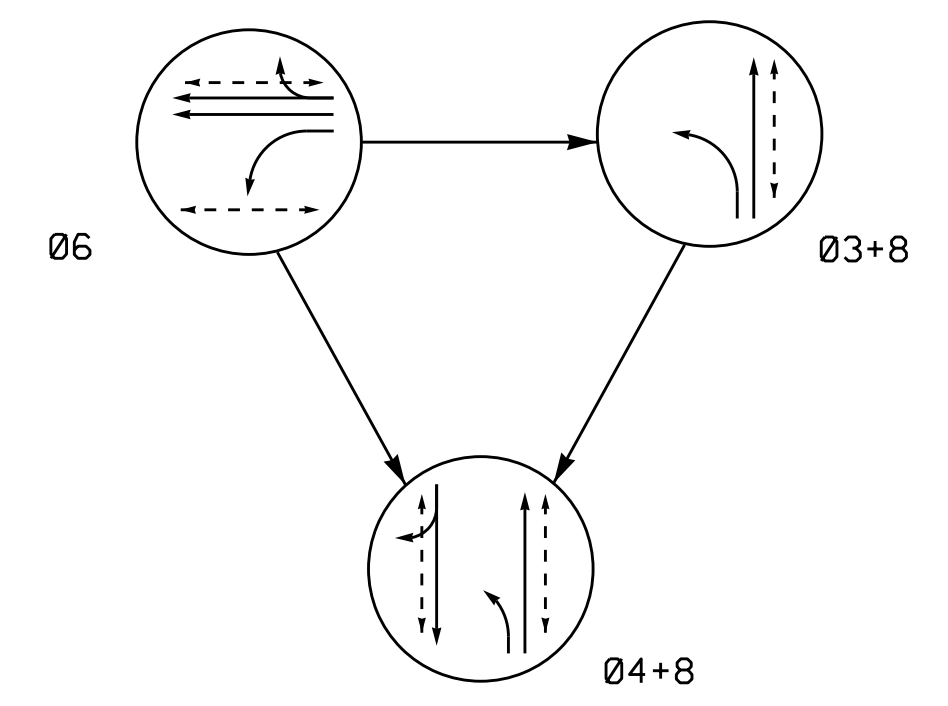
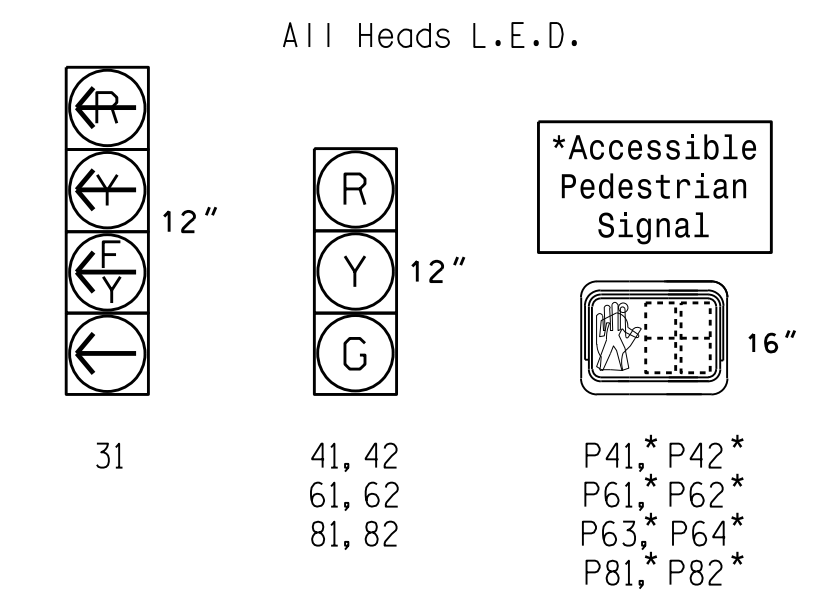


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	06	03+8	04+8	EWB
31	R	---	---	---
41, 42	R	R	G	R
61, 62	G	R	R	Y
81, 82	R	G	G	R
P41, P42	DW	DW	W	DRK
P61, P62	W	DW	DW	DRK
P63, P64	W	DW	DW	DRK
P81, P82	DW	W	W	DRK

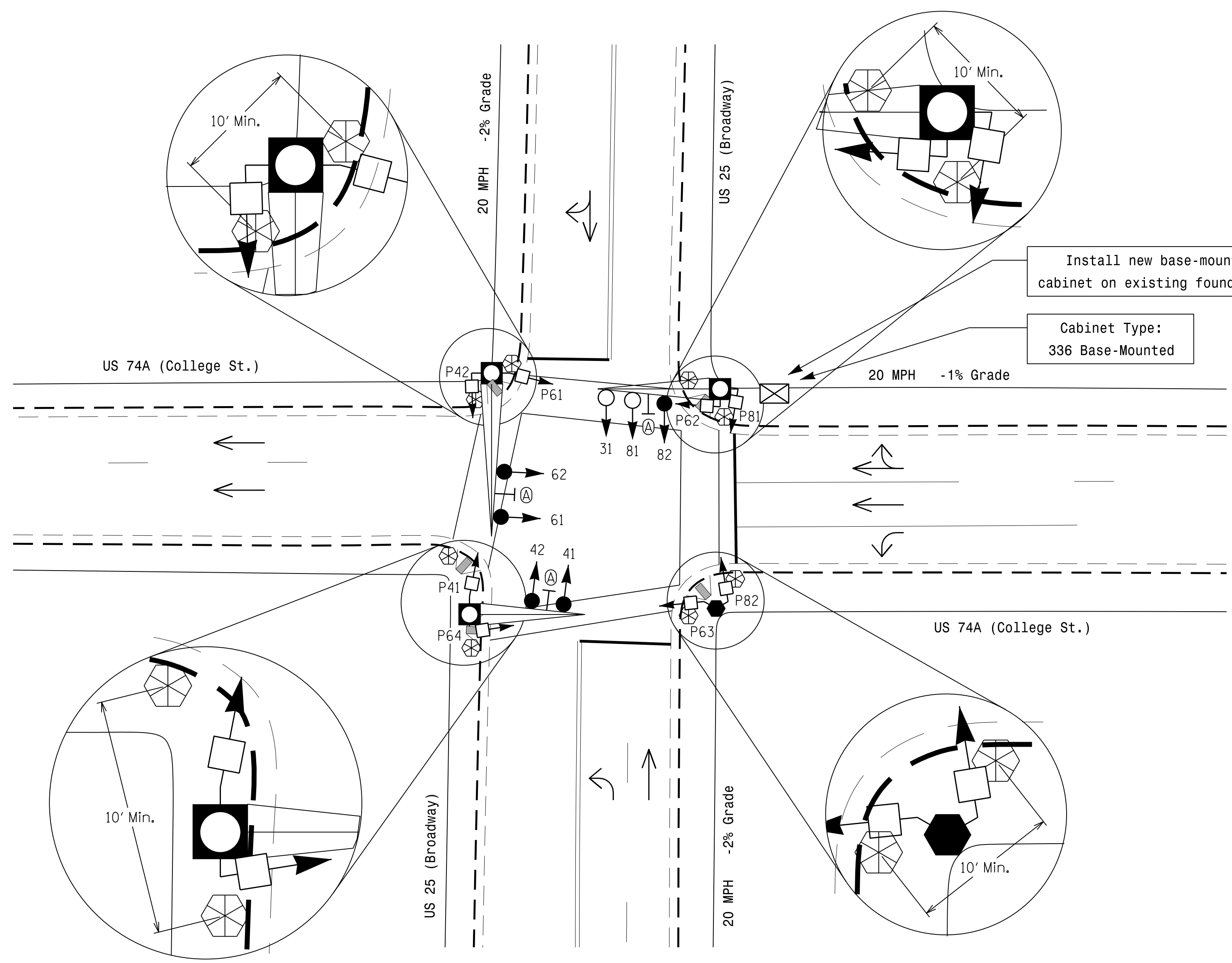
SIGNAL FACE I.D.



3 Phase Pre-Timed 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.
- Reposition existing signal head number 82.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Program controller to operate using FYA compact mode.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Pavement markings are existing.
- Pedestrian pedestals are conceptual and shown for reference only. See sheets P1-P3 for pushbutton location details.
- Pedestrian Pushbuttons shall be Vibro-Tactile.
- All Accessible Pedestrian signals shall use "Rapid Tick" sound.
- Omit Phase 6 pedestrian operation on startup.



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	3	4	6	8
Min Green 1 *	7	7	10	7
Extension 1 *	0.0	0.0	0.0	0.0
Max Green 1 *	15	20	30	20
Yellow Clearance	3.0	3.0	3.0	3.0
Red Clearance	1.6	2.3	2.1	2.3
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	7	7	7
Don't Walk 1	-	9	12	9
Walk Advance	-	-	3.0	3.0
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX RECALL	MAX/PED RECALL	MAX/PED RECALL	MAX/PED RECALL
Vehicle Call Memory	-	-	-	-
Dual Entry	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON

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

LEGEND

PROPOSED	EXISTING
Traffic Signal Head	N/A
Modified Signal Head	N/A
Sign	N/A
Pedestrian Signal Head With Push Button & Sign	N/A
Signal Pole with Guy	N/A
Signal Pole with Sidewalk Guy	N/A
Inductive Loop Detector	N/A
Controller & Cabinet Junction Box	N/A
2-in Underground Conduit	N/A
Right of Way	N/A
Directional Arrow	N/A
Metal Pole with Mastarm	N/A
Type I Pushbutton Post	N/A
Type II Signal Pedestal	N/A
Curb Ramp	N/A
Street Name Sign (D3-1)	N/A

Signal Upgrade

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

US 74A (College St.) at US 25 (Broadway)

Division 13 Buncombe County Asheville

PLAN DATE: April 2016 REVIEWED BY: P.L. Alexander

PREPARED BY: R.N. Zinser REVIEWED BY:

REVISIONS INIT. DATE

SCALE 0 20 1"=20'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER RICHARD N. ZINER 043914

12/12/2016

SIG. INVENTORY NO. 13-0267

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