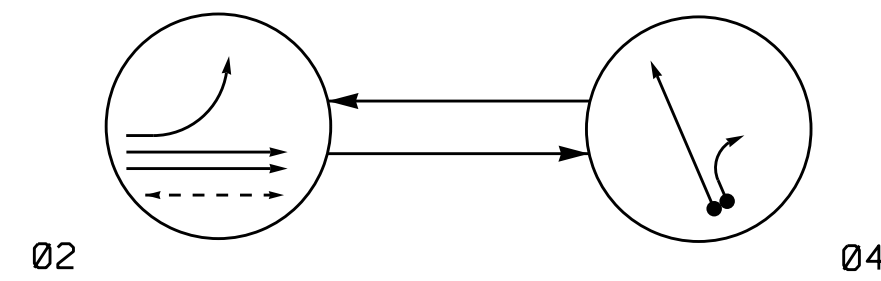


PHASING DIAGRAM

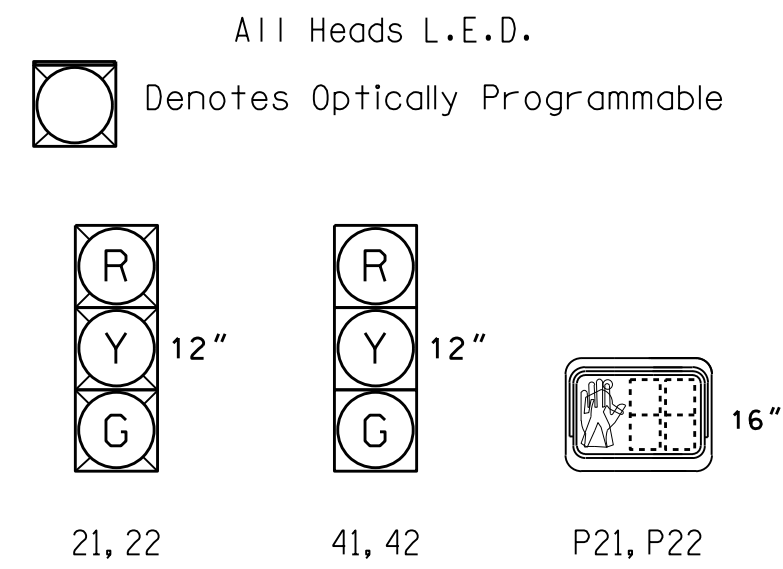


PHASING DIAGRAM DETECTION LEGEND

- ←● DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ←--- PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE		
	02	04	F L
21, 22	G	R	Y
41, 42	R	G	R
P21, P22	W	DW	DRK

SIGNAL FACE I.D.

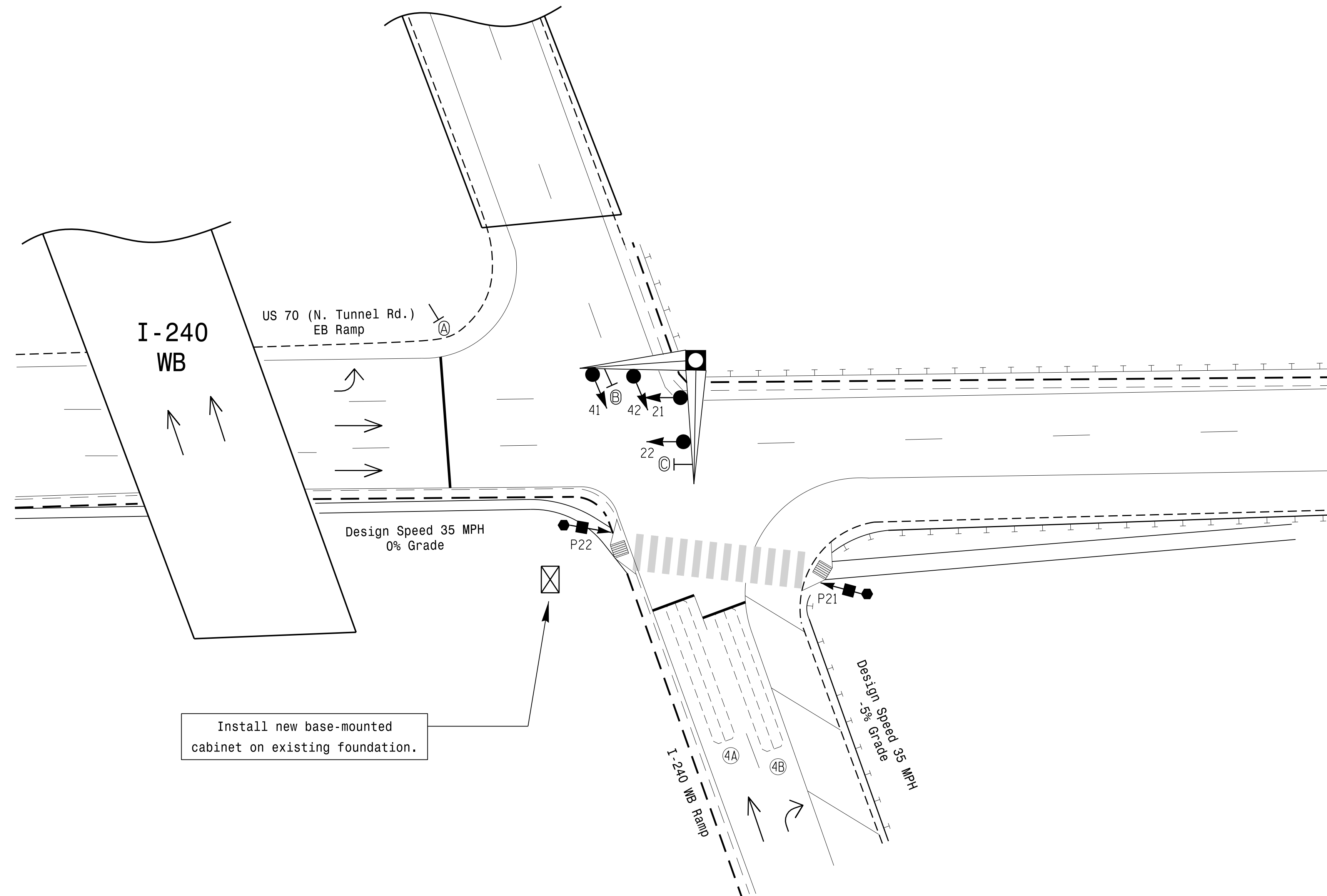


OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
LOOP	SIZE (FT)	INDUCTIVE LOOPS			DETECTOR PROGRAMMING							
		DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	-	-	Y
4B	6X40	0	2-4-2	-	4	Y	Y	-	-	15	-	Y

2 Phase Semi 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.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 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.



FEATURE	PHASE	
	2	4
Min Green 1 *	10	7
Extension 1 *	0.0	2.0
Max Green 1 *	60	60
Yellow Clearance	4.2	4.2
Red Clearance	1.5	1.5
Red Revert	2.0	2.0
Walk 1 *	7	-
Don't Walk 1	11	-
Seconds Per Actuation *	-	-
Max Variable Initial *	-	-
Time Before Reduction *	-	-
Time To Reduce *	-	-
Minimum Gap	-	-
Recall Mode	MAX RECALL	-
Vehicle Call Memory	-	-
Dual Entry	-	-
Simultaneous Gap	ON	ON

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

PROPOSED	EXISTING
	N/A
N/A	
N/A	
N/A	

Signal Upgrade

	<p>US 70 (N. Tunnel Road) EB Ramp at I-240 WB Ramp Tri-Level Interchange</p> <p>Division 13 Buncombe County Asheville</p> <p>PLAN DATE: November 2015 REVIEWED BY: T.J. Williams</p> <p>PREPARED BY: R.N. Zinser REVIEWED BY:</p>	<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p>SEAL</p> <p>SEAL 043914</p> <p>Richard N. Zinser 8/8/2016</p> <p>SIG. INVENTORY NO. 13-0034</p>
	<p>750 N. Greenfield Pkwy, Garner, NC 27529</p> <p>SCALE 0 20 1"=20'</p>	<p>REVISIONS</p> <p>INIT. DATE</p>

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