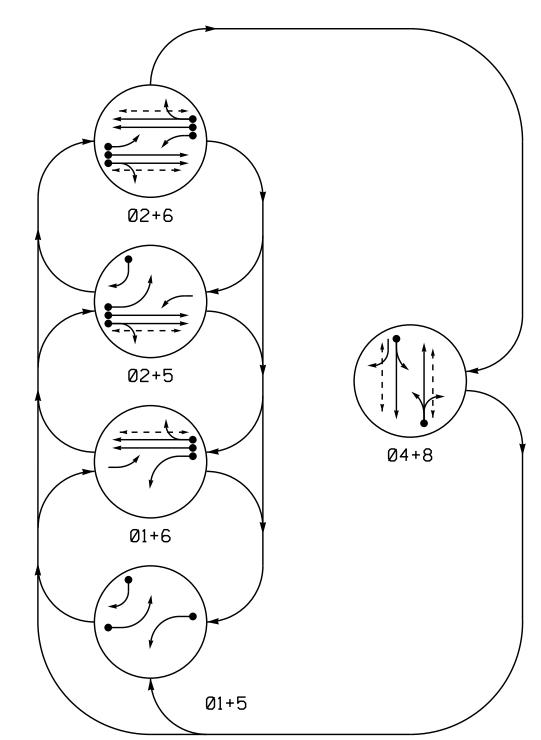
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

UNSIGNALIZED MOVEMENT <--> PEDESTRIAN MOVEMENT

TABLE OF OPERATION SIGNAL FACE 21, 22 61,62 81,82 P21, P22 P41, P42 P81, P82 DW DW DW DW W DR

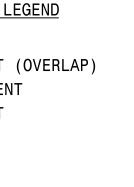
	SIGNA	L FACE I.D.	
	АІІ	Heads L.E.D.	
12"	R Y 12"	R 12"	16"
11 51	21, 22 41 61, 62 81, 82	42	P21, P22 P41, P42 P61, P62 P81, P82

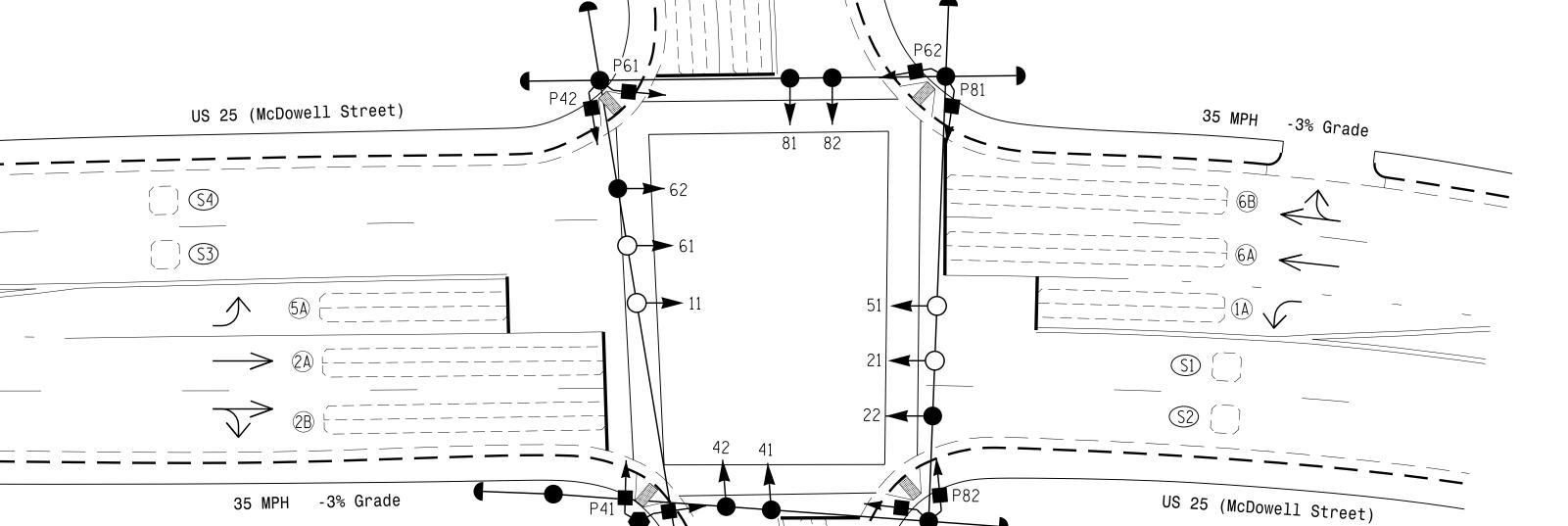
+4% Grade

1I	INDUCTIVE LOOPS DETECTOR PROGRAMMING					MMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1 A	6X40	0	2-4-2		1	Υ	Y	-	-	15	-	Υ
1 A	0040		2-4-2	_	6	Υ	Υ	-	-	ı	-	Υ
2A	6X60	0	2-4-2	-	2	Υ	Υ	-	-	-	-	Υ
2B	6X60	0	2-4-2	-	2	Υ	Υ	-	-	-	-	Υ
4A	6X40	0	2-4-2	-	4	Υ	Y	-	-	3	-	Υ
5A	6X40	0	2-4-2		5	Υ	Y	-	-	15	-	Υ
				_	2	Υ	Υ	1	-	-	-	Υ
5B	6X40	0	2-4-2	-	5	Υ	Υ	1	-	15	-	Υ
6A	6X60	0	2-4-2	-	6	Υ	Υ	-	-	-	-	Υ
6B	6X60	0	2-4-2	-	6	Υ	Υ	-	-	-	-	Υ
8.8	6X40	0	2-4-2	-	8	Υ	Y	-	-	5	-	Υ
S1	6X6	EXIST	EXIST	-	-	-	-	-	-	-	Υ	Υ
S2	6X6	EXIST	EXIST	-	-	-	-	-	-	-	Υ	Υ
S3	6X6	+165	EXIST	-	-	-	-	-	-	-	Υ	Υ
S4	6X6	+165	EXIST	-	-	-	-	-	-	-	Υ	Υ

Install new base-mounted

cabinet on existing foundation.





	OASIS	2070	TIMING	CHAR	Γ		
	PHASE						
FEATURE	1	2	4	5	6	8	
Min Green 1 *	7	10	7	7	10	7	
Extension 1 *	2.0	2.0	2.0	2.0	2.0	2.0	
Max Green 1 *	15	45	25	15	45	25	
Yellow Clearance	3.0	4.1	4.8	3.0	4.1	4.8	
Red Clearance	2.4	1.5	1.7	2.6	1.5	1.7	
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	
Walk 1 *	-	7	7	-	7	7	
Don't Walk 1	-	12	20	-	16	19	
Seconds Per Actuation *	-	-	-	-	-	-	
Max Variable Initial *	-	-	-	-	-	-	
Time Before Reduction *	-	-	-	-	-	-	
Time To Reduce *	-	-	-	-	-	-	
Minimum Gap	-	-	-	-	-	-	
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-	
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-	
Dual Entry	-	-	ON	-	-	ON	
Simultaneous Gap	ON	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

Fully Actuated Asheville Signal System

5 Phase

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. Phase 1 and/or phase 5 may be lagged.
- 4. Set all detector units to presence mode.
- 5. 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.
- 6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 9. Pavement markings are existing.
- 10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND

<u>PROPOSED</u>		EXISTING
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
\dashv	Sign	\dashv
\downarrow	Pedestrian Signal Head With Push Button & Sign	#
O	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	K×7
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
\bigcirc	Type II Signal Pedestal	
N/A	Curb Ramp	

Signal Upgrade US 25 (McDowell Street)

Short McDowell Street/ Saint Dunstans Road

Division 13 Buncombe County PLAN DATE: November 2015 REVIEWED BY: Z.M. Little 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: R.N. Zinser REVIEWED BY: REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL

SIGNATURES COMPLETED

is shown. Min Green for all other phases should not be lower than 4 seconds.