

TABLE 0	F C	PEF	RAT.	[ON		
		Р	HASI	E		
SIGNAL FACE	Ø2+5	Ø2+6	Ø 4 + 8	PRE2	止しなのエ	R
21, 22	G	G	R	R	Υ	12
⊿ 1	R	R	G	G	R	(از

61, 62

81, 82

P41, P42

R Y G	12
41	51

R Y 12"	F	12"	
21, 22	42		P41, P42

P61, P62

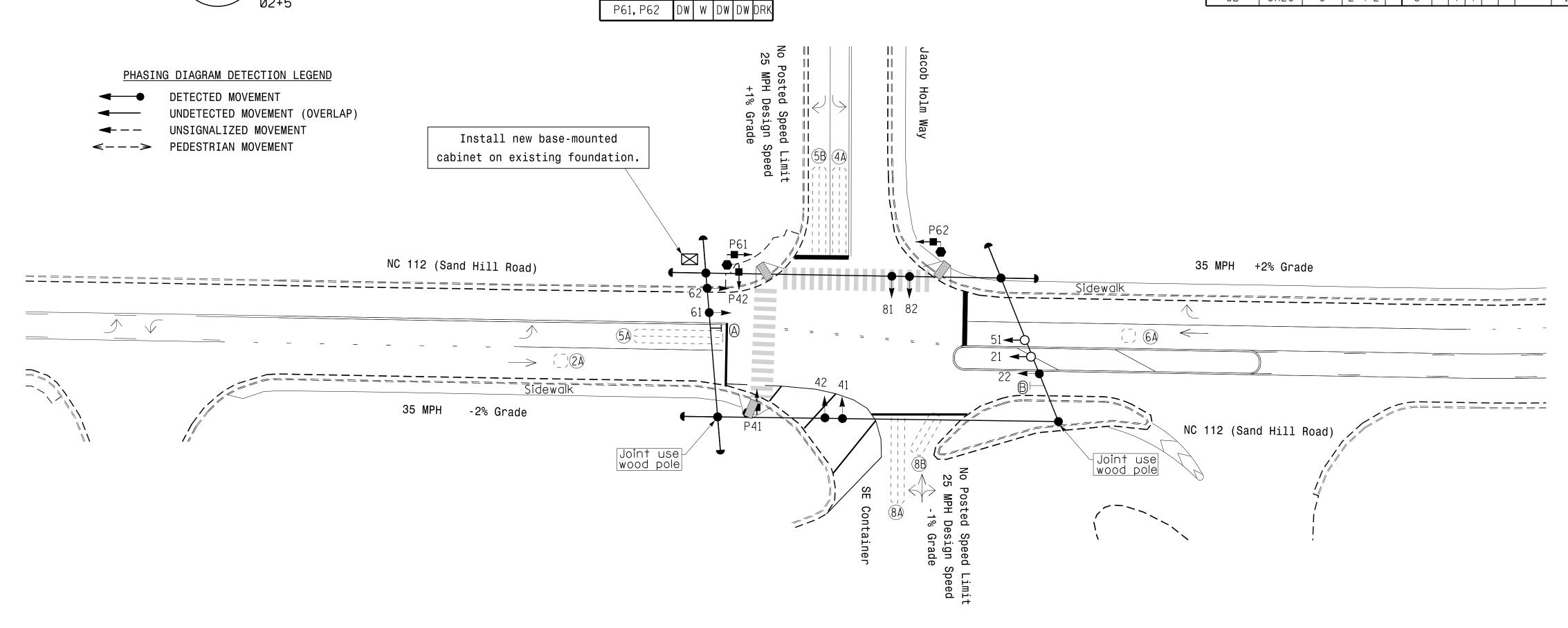
SIGNAL FACE I.D.

All Heads L.E.D.

61,62

81,82

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART															
INDUCTIVE LOOPS DETECTOR PROGRAMMING															
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	SWITCHING PHASE	CALLING	EXTENSION	FULL TIME DELAY	SWITCHING DETECTOR	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD	
2A	6X6	70	3	-	2	ı	Υ	Υ	ı	-	-	-	-	Υ	
4A	6X40	0	2-4-2	_	4	-	Υ	Υ	-	-	-	5	-	Υ	
5A	CV40	0	0	2-4-2		5	-	Υ	Υ	-	-	-	15	-	Υ
AC	6X40		2-4-2	_	2	-	Υ	Υ	ı	-	-	-	-	Υ	
5B	6X40	0	2-4-2	-	5	4	Υ	Υ	1	Υ	-	15	-	Υ	
6A	6X6	70	3	-	6	-	Υ	Υ	-	-	-	-	-	Υ	
8.8	6X40	0	2-4-2	_	8	-	Y	Y	-	-	-	10	-	Υ	
8B	6X20	0	2-4-2	-	8	-	Υ	Υ	-	-	-	15	-	Υ	



OASIS 2070 TIMING CHART									
	PHASE								
FEATURE	2	4	5	6	8				
Min Green 1 *	10	7	7	10	7				
Extension 1 *	3.0	6.0	2.0	3.0	2.0				
Max Green 1 *	60	40	20	60	40				
Yellow Clearance	4.0	3.2	3.0	4.0	3.2				
Red Clearance	1.8	2.6	2.3	1.8	2.6				
Red Revert	2.0	2.0	2.0	2.0	2.0				
Walk 1 *	-	7	-	7	7				
Don't Walk 1	-	13	-	19	13				
Advanced Walk	-	3	-	3	3				
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				

* 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.

OASIS 20	70	EV	ΡI	REEMPT
FUNCT	ION			PRE 2
Interval 1 – Dwell Gr	een			255
Interval 1 – Dwell Ye	llow			0.0*
Interval 1 – Dwell Re	d			0.0*
Interval 5 — Exit Gre	en			1
Interval 5 – Yellow				0.0
Interval 5 - Red				0.0
Exit Phase(s)				2+6
Priority	Medium			
Delay Time	* *			
Min Green Before I	1			
Ped Clear Before Pr	19			
Yellow Clear Before	0.0*			
Red Clear Before Pr	0.0*			
Dwell Min Time	* *			
Enable Backup Prote	Y			
Ped Clear Through	Y			
Omit Overlaps	-			

* Time defaults to time used for phase during normal operation
** See Note 10

3 Phase Fully Actuated With EV Preemption Asheville Signal System

NOTES

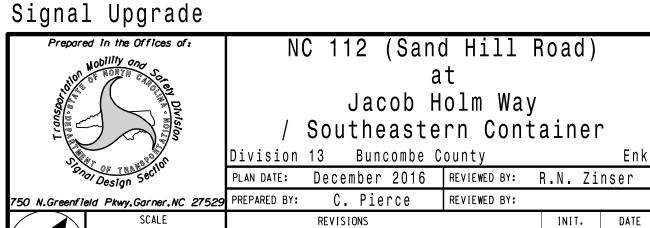
PROJECT REFERENCE NO.

U-4715 B

Sig 209 (

- 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 5 may be lagged.
- 4. Reposition existing signal head number 22.
- 5. Set all detector units to presence mode.
- 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. The Division Traffic Engineer will determine the Delay before Preempt and Preempt Dwell Min Green time for the emergency vehicle preemption timing.
- 11. Program signal heads numbered 41 & 42 to clear to all red before going into preempt.
- 12. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 13. Program controller to allow an Advanced Walk movement before serving the vehicle phase.
- 14. Program phase 4 ped detector to call phase 4 and 8 ped.
- 15. Phase 8 ped is dummy ped to enable phase 4 leading ped interval.

<u>PROPOSED</u>	<u>LEGEND</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	•
S	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subset = = \supset$
	Controller & Cabinet	~_X X
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
	Metal Strain Pole	
\bigcirc	Type II Signal Pedestal	
N/A	Wheelchair Ramp	
$\langle A \rangle$	No Left Turn Sign (R3-2)	A
B	No Right Turn Sign (R3-1)	B



SIG. INVENTORY NO. |3-|2|8

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED