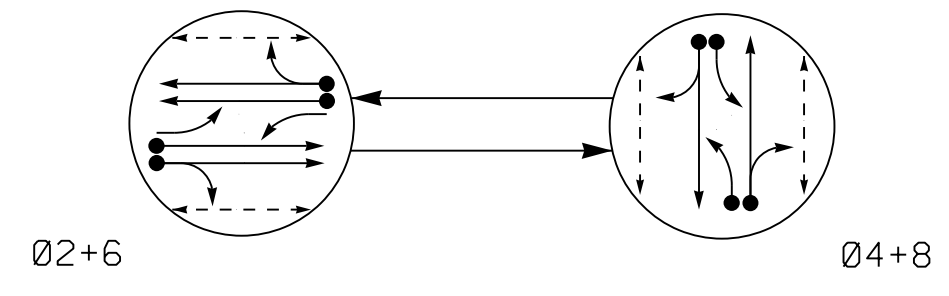


### PHASING DIAGRAM



#### PHASING DIAGRAM DETECTION LEGEND

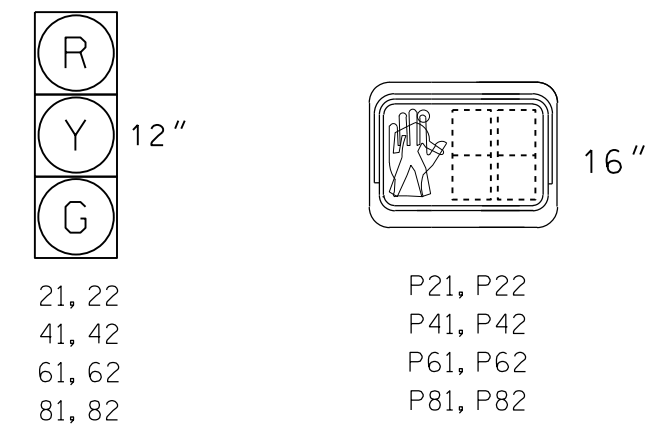
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

### TABLE OF OPERATION

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

### SIGNAL FACE I.D.

All Heads L.E.D.



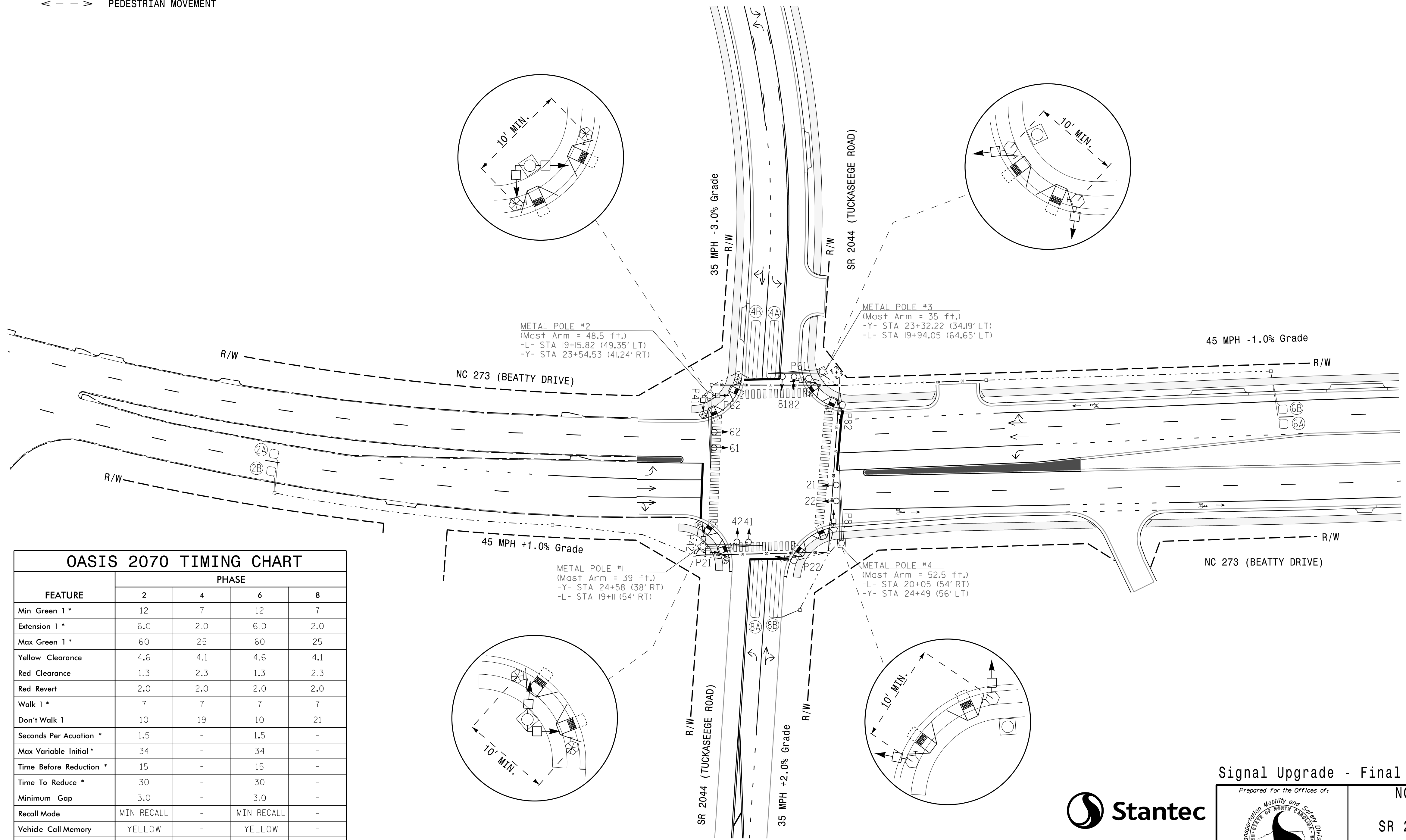
### OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING							
				NEW LOOP	PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	300	4	Y	2	Y	Y	-	-	-	-
2B	6X6	300	4	Y	2	Y	Y	-	-	-	Y
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	3	-
4B	6X40	0	2-4-2	Y	4	Y	Y	-	-	10	-
6A	6X6	300	4	Y	6	Y	Y	-	-	-	-
6B	6X6	300	4	Y	6	Y	Y	-	-	-	-
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	3	-
8B	6X40	0	2-4-2	Y	8	Y	Y	-	-	10	-

2 Phase Fully Actuated (Isolated)

### 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.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "DON'T WALK" time only.
- Refer to pavement marking plan for final pavement markings.
- Pedestrian pedestals are conceptual and shown for reference only. See Sheets P1-P3 for push button location details.



### OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	12	7	12	7
Extension 1 *	6.0	2.0	6.0	2.0
Max Green 1 *	60	25	60	25
Yellow Clearance	4.6	4.1	4.6	4.1
Red Clearance	1.3	2.3	1.3	2.3
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	7	7	7	7
Don't Walk 1	10	19	10	21
Seconds Per Actuation *	1.5	-	1.5	-
Max Variable Initial *	34	-	34	-
Time Before Reduction *	15	-	15	-
Time To Reduce *	30	-	30	-
Minimum Gap	3.0	-	3.0	-
Recall Mode	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	YELLOW	-	YELLOW	-
Dual Entry	-	ON	-	ON
Simultaneous Gap	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.

### LEGEND

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

### Signal Upgrade - Final Design

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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	<b>NC 273 (Beatty Drive) at SR 2044 (Tuckaseege Road)</b>	
	Division 12 Gaston County Mount Holly PLAN DATE: JULY 2016 REVIEWED BY: D. HARRIS PREPARED BY: J. HAMBRIGHT REVIEWED BY: B. WATSON	SEALS PROFESSIONAL ENGINEER Betsy L. Watson 9/26/2016 DATE

9/22/2016 11:41:11 AM I:\Projects\2016\09\26\Signal\Oasis\Signal\Oasis\Sigs\Signal - Des\Signal\U-3633\Sig.dwg 12-0311.dgn