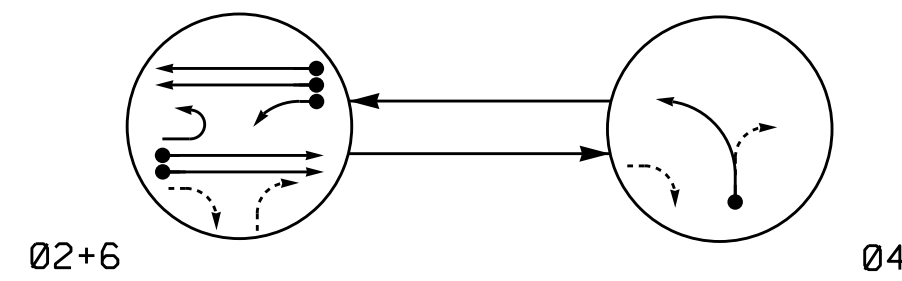


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

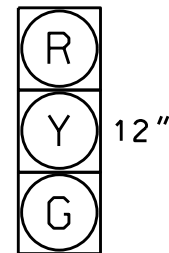
- ←●→ DETECTED MOVEMENT
- ←→ UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ←---→ PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04	Full Extension
21,22	G	R	Y
41,42	R	G	R
61,62	G	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.



21,22
41,42
61,62

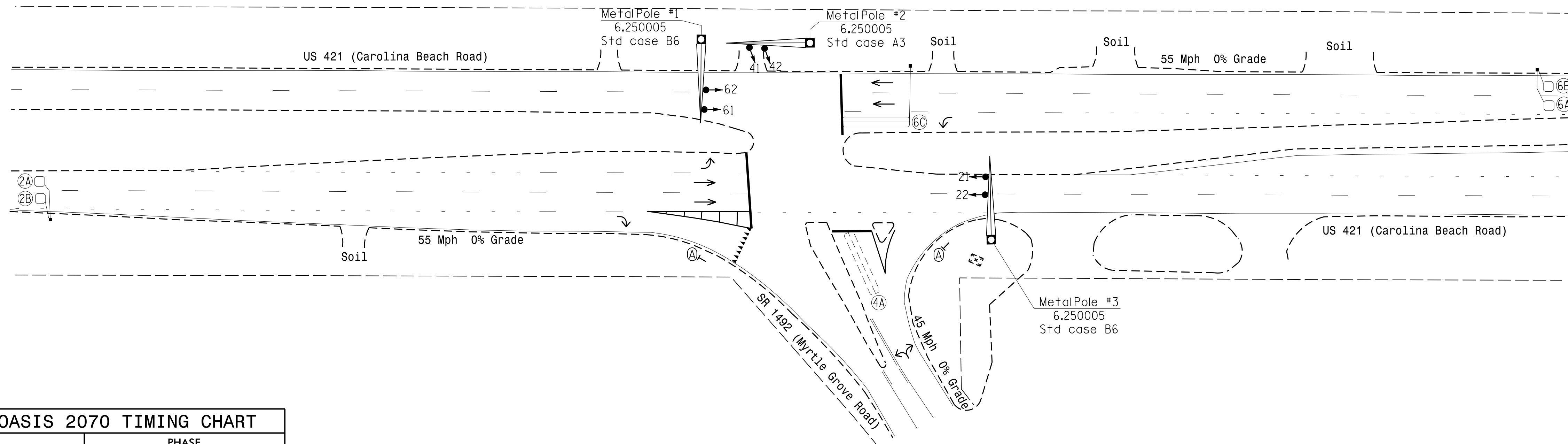
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
2A	6X6	420	5	Y	2	Y	Y	-	-	-	-	-
2B	6X6	420	5	Y	2	Y	Y	-	-	-	-	-
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	3	-	-
6A	6X6	420	5	Y	6	Y	Y	-	-	-	-	-
6B	6X6	420	5	Y	6	Y	Y	-	-	-	-	-
6C	6X40	0	2-4-2	Y	6	Y	Y	Y	-	3	-	-

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.



LEGEND

- | PROPOSED | EXISTING |
|--|---------------------------------|
| ○→ Traffic Signal Head | ●→ N/A |
| ○→ Modified Signal Head | N/A |
| ⊥ Sign | ⊥ |
| ⊥ Pedestrian Signal Head With Push Button & Sign | ⊥ |
| ○ Signal Pole with Guy | ● Signal Pole with Guy |
| ⊥ Signal Pole with Sidewalk Guy | ⊥ Signal Pole with Sidewalk Guy |
| ⊥ Inductive Loop Detector | ⊥ Inductive Loop Detector |
| ⊥ Controller & Cabinet | ⊥ Controller & Cabinet |
| ⊥ Junction Box | ⊥ Junction Box |
| ⊥ 2-in Underground Conduit | ⊥ 2-in Underground Conduit |
| N/A Right of Way | --- Right of Way |
| → Directional Arrow | → Directional Arrow |
| ⊥ Metal Pole with Mastarm | ⊥ Metal Pole with Mastarm |
| ⊥ "YIELD" Sign (R1-2) | ⊥ "YIELD" Sign (R1-2) |

OASIS 2070 TIMING CHART

FEATURE	PHASE		
	2	4	6
Min Green 1 *	14	7	14
Extension 1 *	6.0	1.0	6.0
Max Green 1 *	60	20	60
Yellow Clearance	5.2	3.0	5.2
Red Clearance	1.0	3.1	1.0
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	1.5	-	1.5
Max Variable Initial *	46	-	46
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	-	-	-
Simultaneous Gap	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.

Signal Upgrade

<p>REVISION SEAL</p>	<p>Prepared in the Offices of:</p>	<p>US 421 (Carolina Beach Road) at SR 1492 (Myrtle Grove Road)</p>		<p>SEAL</p> <p>Not a certified document as to the Original Document but Only as to the Revisions - This document originally Issued and sealed by James B. Vosa, 2/25/99 on 5/31/00. This document is only certified as to the revisions.</p>
		<p>Division 3 New Hanover County Wilmington</p> <p>PLAN DATE: March 2000 REVIEWED BY: M. Mahbooba</p> <p>PREPARED BY: Amy Hambricht REVIEWED BY: D. Harris</p>	<p>REVISIONS</p> <p>1. Install new loops and revise clearance times. (JRS)</p> <p>DATE: 7/20/15</p>	

27-JUL-2015 14:50
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 P:\alexander