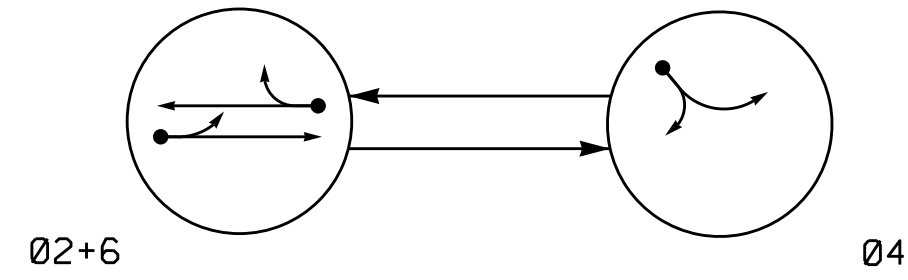


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

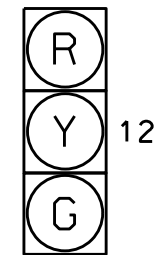
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	2	4	6
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

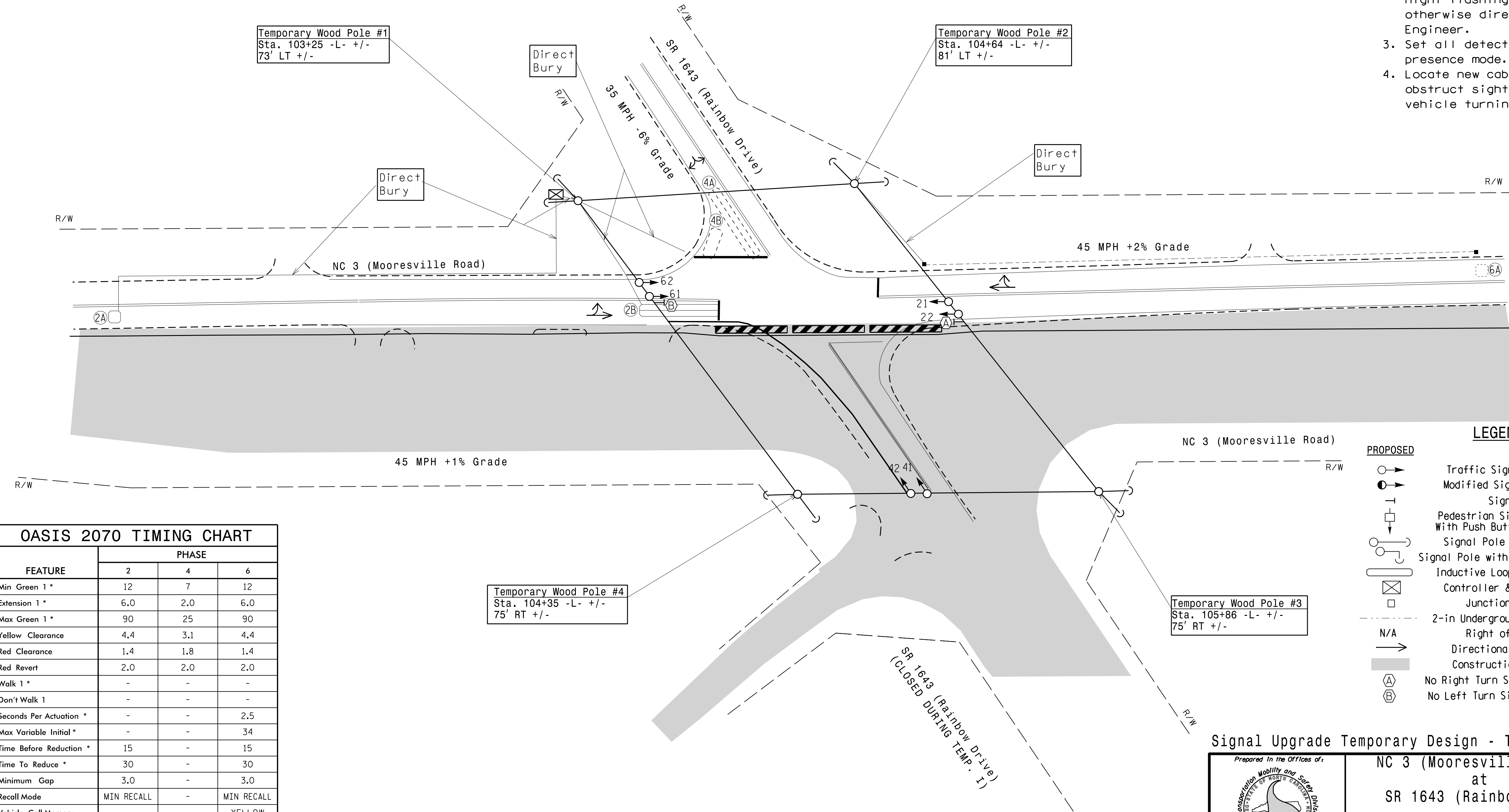
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING							
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	300	5	Y	2	Y	Y	-	-	-	Y
2B	6X40	0	2-4-2	Y	2	Y	Y	2	5	-	Y
4A	6X40	0	2-4-2	-	-	-	-	-	-	-	-
4B	6X15	0	3	-	4	Y	Y	-	10	-	Y
6A	6X6	300	5	-	6	Y	Y	-	-	-	Y

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.
- Locate new cabinet so as not obstruct sight distance of vehicle turning right on red.



OASIS 2070 TIMING CHART

FEATURE	PHASE		
	2	4	6
Min Green 1*	12	7	12
Extension 1*	6.0	2.0	6.0
Max Green 1*	90	25	90
Yellow Clearance	4.4	3.1	4.4
Red Clearance	1.4	1.8	1.4
Red Revert	2.0	2.0	2.0
Walk 1*	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation*	-	-	2.5
Max Variable Initial*	-	-	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
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.

LEGEND

PROPOSED	EXISTING

2016-04-20 10:09:17
 R:\Projects\2016\10-0395\10-0395\Sigs\Oasis\Sig.dwg
 User: jgarners
 Plot: Sig_Sig.dwg
 Title: 10-0395

Signal Upgrade Temporary Design - TMP Phase I

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Division 10 Cabarrus County Kannapolis

PLANNING DIVISION

PLAN DATE: April 2016 REVIEWED BY: T. Williams

PREPARED BY: M. Mahbooba REVIEWED BY: [Signature]

SCALE: 0 30
1"=30'

REVISIONS

NO.	DESCRIPTION	INIT.	DATE

REVISION SEAL

Signature: J. Williams
Date: 6/22/2016
SIG. INVENTORY NO. 10-0395 T1