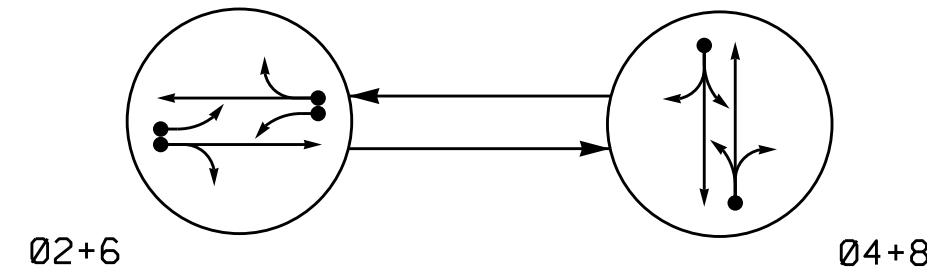


PHASING DIAGRAM



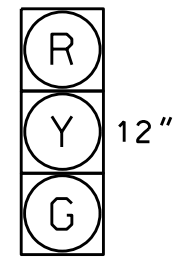
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE		
	Ø2+6	Ø4+8	FL/EXT/PE
21, 22	G	R	Y
41, 42, 43	R	G	R
61, 62	G	R	Y
81, 82, 83	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



21, 22
41, 42, 43
61, 62
81, 82, 83

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART													
LOOP	SIZE	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	300	*	Y	2	Y	Y	-	-	-	-	*	
2B	6X40	0	*	Y	2	Y	Y	Y	2	5	-	*	
2C	6X40	0	*	Y	2	Y	Y	Y	-	3	-	*	
4A	6X40	0	*	Y	4	Y	Y	-	-	10	-	*	
6A	6X6	300	*	Y	6	Y	Y	-	-	-	-	*	
6B	6X40	0	*	Y	6	Y	Y	Y	2	5	-	*	
6C	6X40	0	*	Y	6	Y	Y	Y	-	3	-	*	
8A	6X40	0	*	Y	8	Y	Y	-	-	10	-	*	

* Video Detection

2 Phase
Fully Actuated
Isolated

NOTES

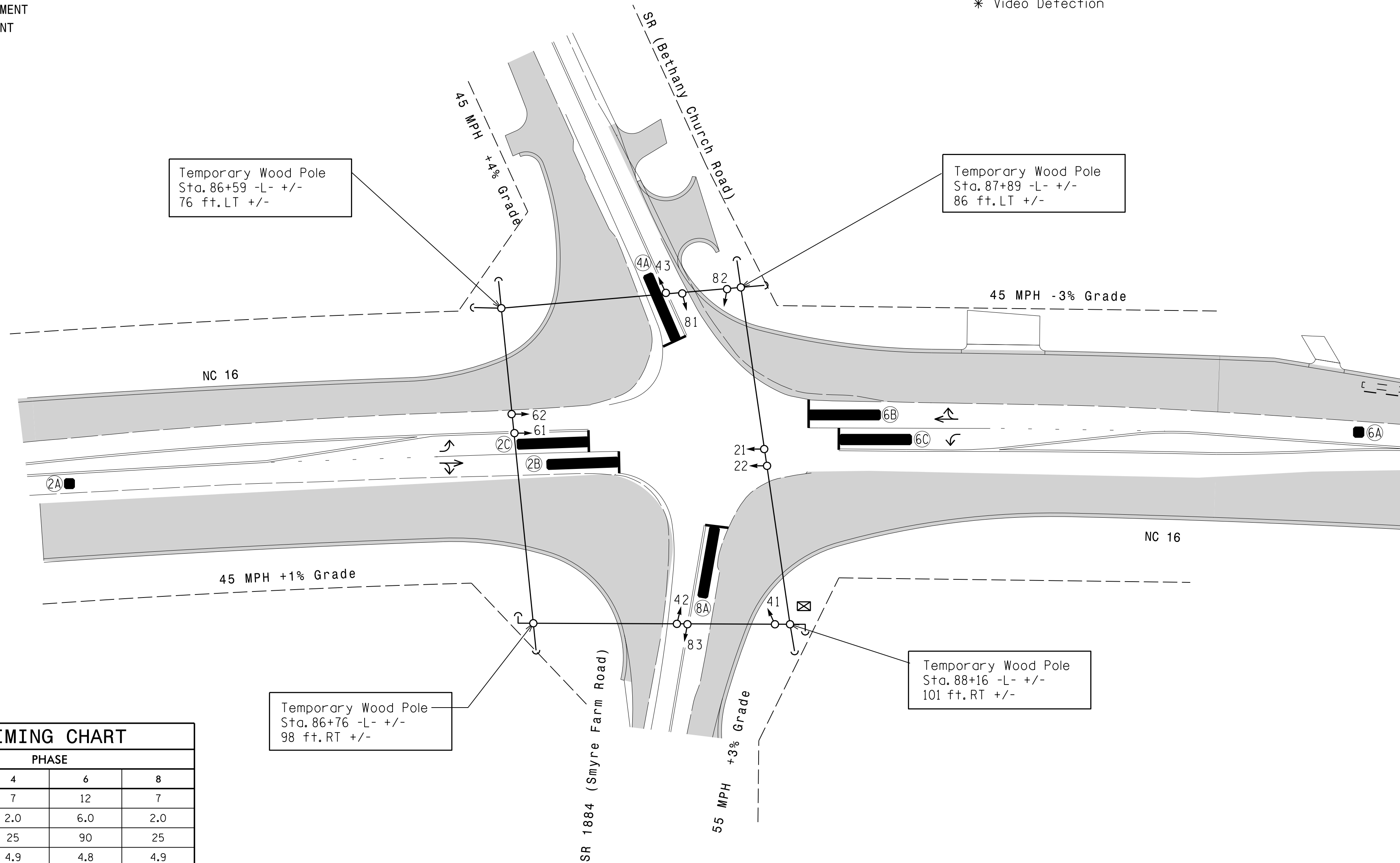
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Incorporate Loop Emulator Detection System for vehicle detection.
6. Provide the Engineer with the manufacturer's approved camera locations and mounting heights to obtain detection zones as shown.

LEGEND

- | PROPOSED | EXISTING |
|----------|----------|
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FEATURE	OASIS 2070 TIMING CHART			
	2	4	6	8
Min Green 1 *	12	7	12	7
Extension 1 *	6.0	2.0	6.0	2.0
Max Green 1 *	90	25	90	25
Yellow Clearance	4.8	4.9	4.8	4.9
Red Clearance	1.3	1.2	1.3	1.2
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
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.



Temporary Signal Design-1 (TCP Phase-I)

 Prepared In the Offices of: TRANSPORTATION MOBILITY AND SAFETY DIVISION DIVISION OF TRANSPORTATION SIGNAL DESIGN SECTION 750 N. Greenfield Pkwy, Garner, NC 27529	NC 16 at SR 1804 (Bethany Church Road) / SR 1884 (Smyre Farm Road) Division 12 Catawba County Conover	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 024393 ENGINEER MOATHY J. WILLIAMS
SCALE 1"=40' 	REVISIONS: _____ INIT: _____ DATE: _____ _____ INIT: _____ DATE: _____ _____ INIT: _____ DATE: _____	DocuSigned by: S. J. Williams 10/14/2016 97AD792EB934CA DATE: _____ SIG. INVENTORY NO. 12-1188 TI

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