

PHASING DIAGRAM

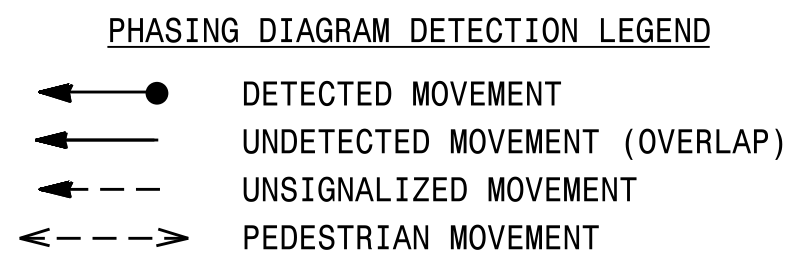
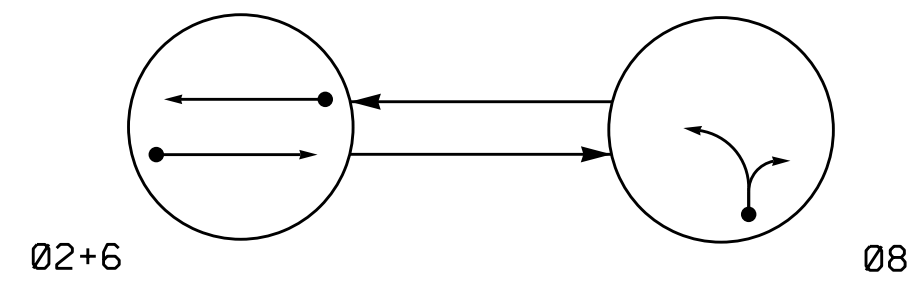
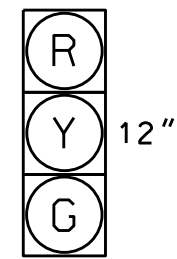


TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø 2+6	Ø 8	F L S H
21, 22	G	R	Y
61, 62	G	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



21, 22
61, 62
81, 82

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

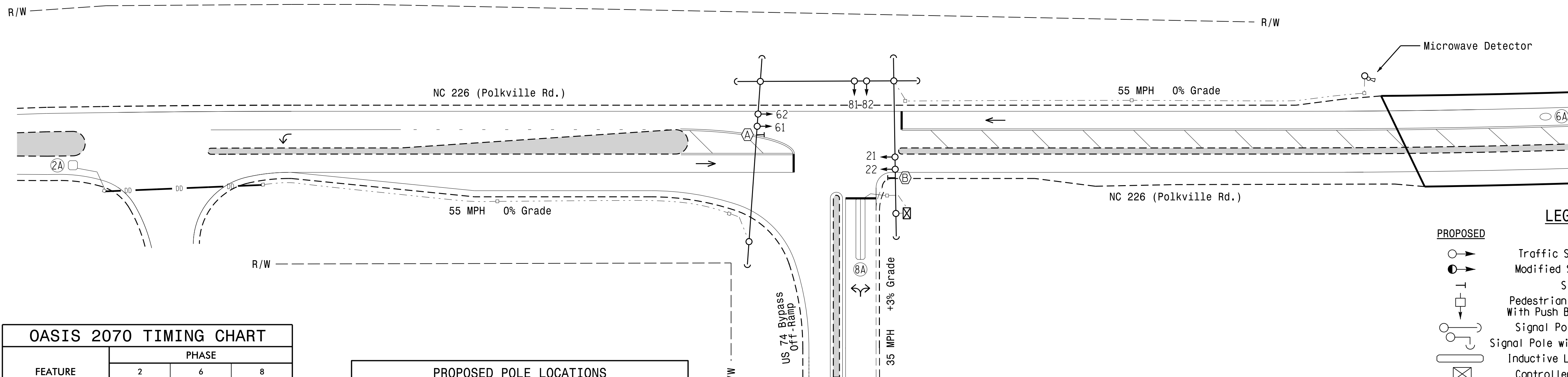
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME		
2A	6X6	470	6	Y	2	Y	Y	-	-	-	Y
6A	*	420	*	Y	6	Y	Y	-	-	-	Y
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	5	Y

* Microwave Detection Zone

2 Phase
Fully Actuated
Isolated

NOTES

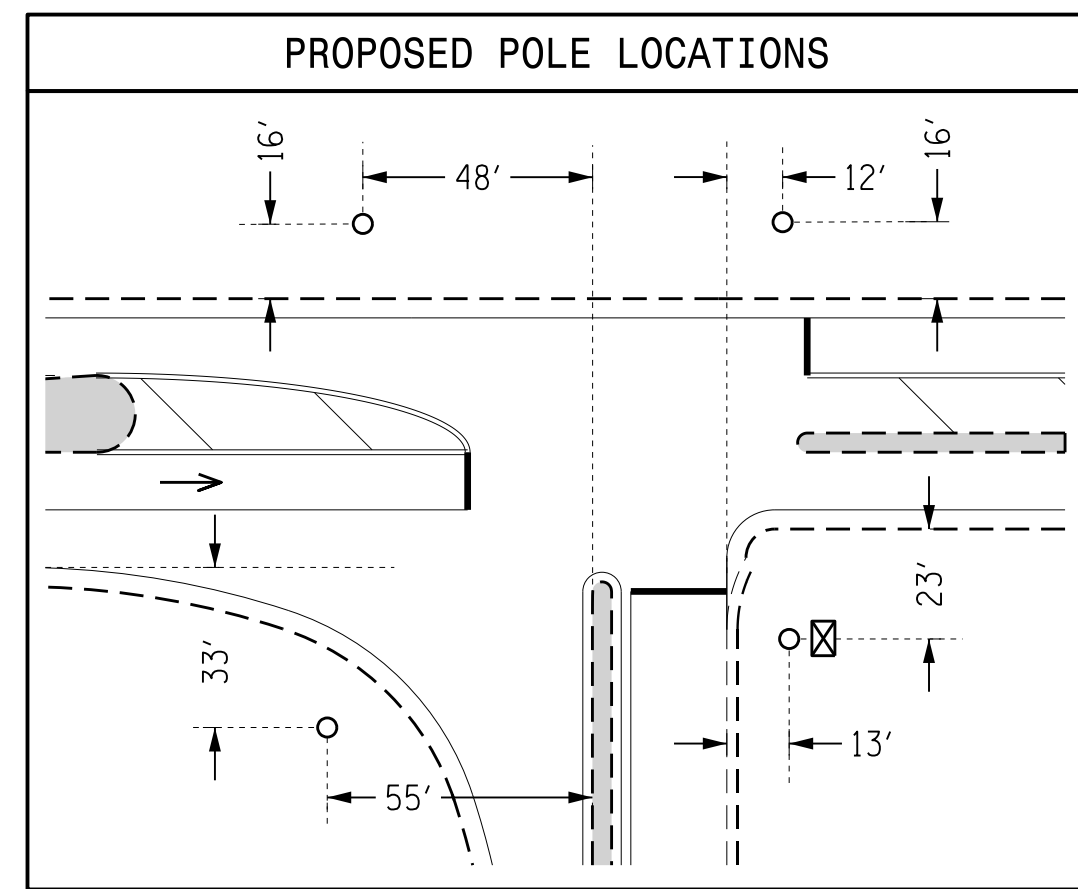
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. See Pavement Marking Plans for stop bar locations.
6. The cabinet should be designed to include an Auxiliary Output file for future use.



OASIS 2070 TIMING CHART

FEATURE	PHASE		
	2	6	8
Min Green 1 *	14	14	7
Extension 1 *	6.8	6.0	2.0
Max Green 1 *	90	90	25
Yellow Clearance	5.2	5.2	3.0
Red Clearance	1.0	1.0	2.6
Red Revert	2.0	2.0	2.0
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	2.5	2.5	-
Max Variable Initial *	51	46	-
Time Before Reduction *	15	15	-
Time To Reduce *	45	45	-
Minimum Gap	3.4	3.4	-
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.



LEGEND

PROPOSED	EXISTING
	N/A
N/A	
	N/A
(A)	(A)
(B)	(B)

New Installation

Prepared in the Offices of:

NC 226 (Polkville Rd.) at US 74 Bypass Off-Ramp
 Division 12 Cleveland County Shelby
 PLAN DATE: August 2017 REVIEWED BY: T.J. Williams
 PREPARED BY: R.N. Zinser REVIEWED BY:
 SCALE: 1" = 40'
 REVISIONS: _____ INIT. DATE _____
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 TIMOTHY J. WILLIAMS
 License No. 024393
 DATE: 9/8/2017
 SIG. INVENTORY NO. 12-1814

08-SEP-2017 11:49
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