

PHASING	DIAGRAM	DETECTION	LEGEND

←	DETECTED MOVEMENT
←	UNDETECTED MOVEMENT (OVERLAP)
◄	UNSIGNALIZED MOVEMENT
<>	PEDESTRIAN MOVEMENT

TABLE OF	0	PER	ATI	ON
		PHASE		
SIGNAL FACE		Ø2+6	Ø 4	FLASH
21,22		G	R	Y
41,42		R	G	R
61,62		G	R	Υ

Λ Γ	Heads	L.E.D.
$A \cap I$	110000	$\vdash \bullet \vdash \bullet \cup \bullet$

Heads L.E.D	•
R Y 12"	
21,22 41,42 61,62	

RADAR DETECTION SYSTEM					
FUNCTION	Sensor 1 ②A	Sensor 2 🔕			
Channel	1	2			
Phase	2	6			
Direction of Travel	EB	WB			
Detection Zone (ft)	100-500	100-500			
Enable Speed	Y	Y			
Speed Range (mph)	35-100	35-100			
Enable Estimated Time of Arrival	Y	Y			
Estimate Time of Arrival (sec)	2.5-6.5	2.5-6.5			

* Multizone	Microwave	Detection	7ones

* | 300 | * | Y | 6 | Y | Y

TURNS

* 300 | * | Y | 2 | Y

INDUCTIVE LOOPS

SIZE (FT)

2 · A

2·B

FROM STOPBAR

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

* | Y | 2 | Y

* | Y | 4 | Y | Y |

DETECTOR PROGRAMMING

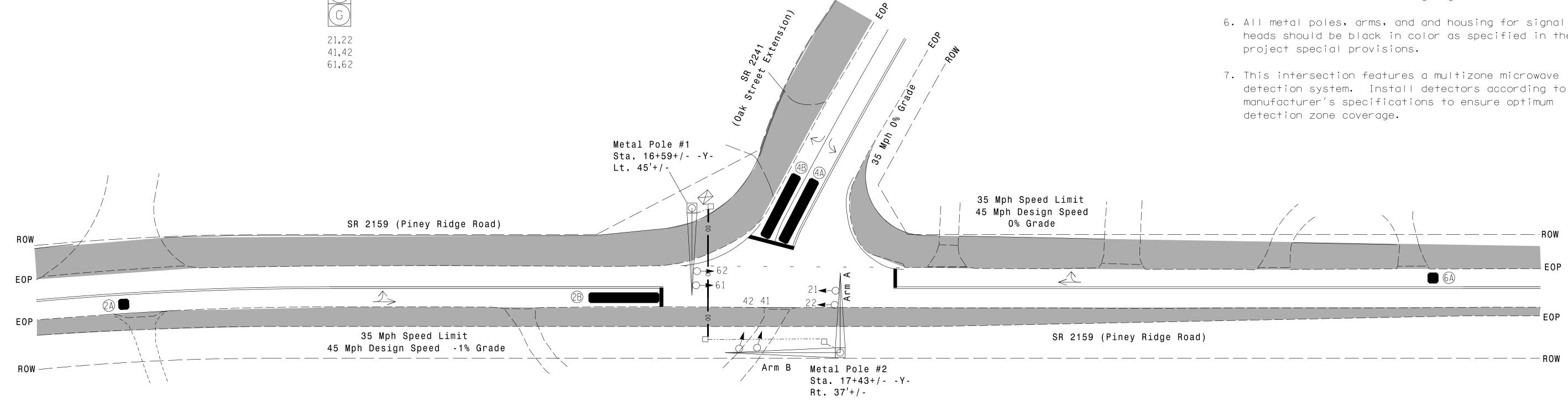
2 Phase Fully Actuated Isolated **NOTES**

PROJECT REFERENCE NO.

U-5833

Sig 1 0

- 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. All pavement markings are existing.
- 5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- heads should be black in color as specified in the project special provisions.
- detection system. Install detectors according to manufacturer's specifications to ensure optimum

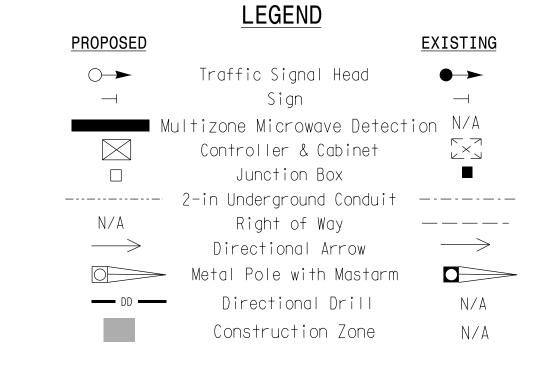


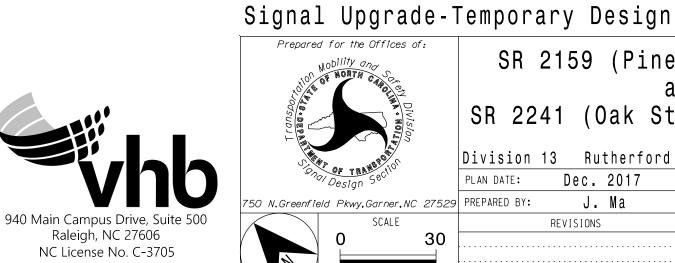
OASIS 2070 TIMING CHART						
	PHASE					
FEATURE	2	4	6			
Min Green 1 *	12	7	12			
Extension 1 *	6.0	2.0	6.0			
Max Green 1 *	90	30	90			
Yellow Clearance	4.6	3.0	4.5			
Red Clearance	1.7	1.8	1.6			
Red Revert	2.0	2.0	2.0			
Walk 1 *	-	-	-			
Don't Walk 1	-	-	-			
Seconds Per Actuation *	2.5	_	2.5			
Max Variable Initial *	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	-	-	-			
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

NC Dept of Transportation Division of Highways Final Drawing Date: DocuSigned by:
R. N. Zinser ITS & Signals Unit

919.829.0328





SR 2159 (Piney Ridge Road)

SR 2241 (Oak Street Extension)

Division	13 Ru	therford	County	Fores	st City	1111111	SEAL 033108	111111
PLAN DATE:	Dec.	2017	REVIEWED BY:	J. L. L	ewis		*NGINEER	• ;
PREPARED BY:	J.	Ma	VHB PROJECT NO.:	38536		//	MIXIN	, , , , ,
	REVISIONS			INIT.	DATE	Jianx	in Ma 10:06	'.12.15
							10:00	3:12 -05 00
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DOCUMENT NOT CONSIDERED