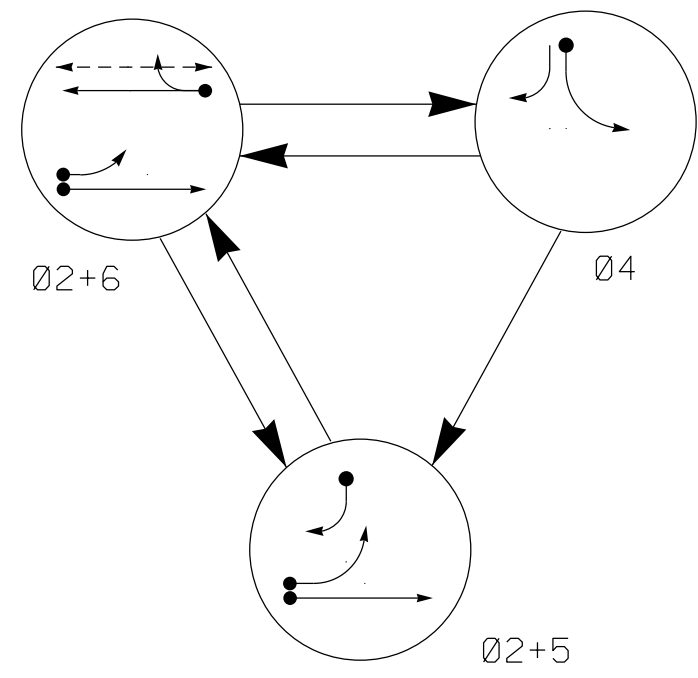
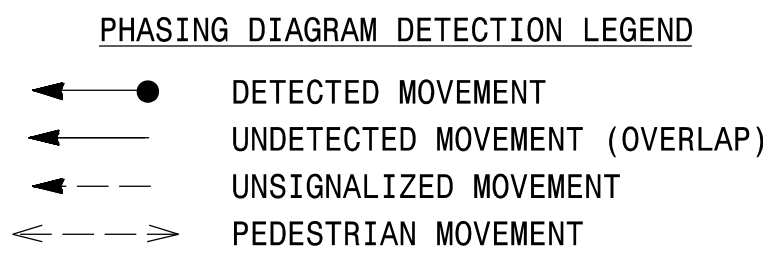
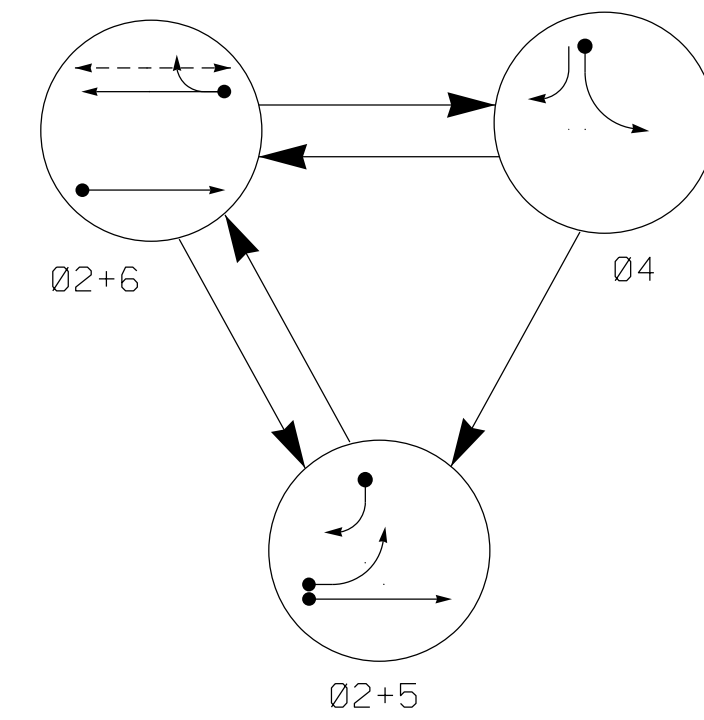


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	F
21, 22	G	G	R	Y
41	R	R	G	R
42	R	R	G	R
51	←	←	←	←
61, 62	R	G	R	Y
P61, P62	DW	W	DW	DRK

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	F
21, 22	G	G	R	Y
41	R	R	G	R
42	R	R	G	R
51	←	←	←	←
61, 62	R	G	R	Y
P61, P62	DW	W	DW	DRK

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	300	5	Y	2	Y	Y	-	-	-	-	Y
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	3	-	Y
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	15**	-	Y
5B	6X40	0	2-4-2	Y	5	Y	Y	-	-	15	-	Y
6A	6X6	300	5	Y	6	Y	Y	-	-	-	-	Y

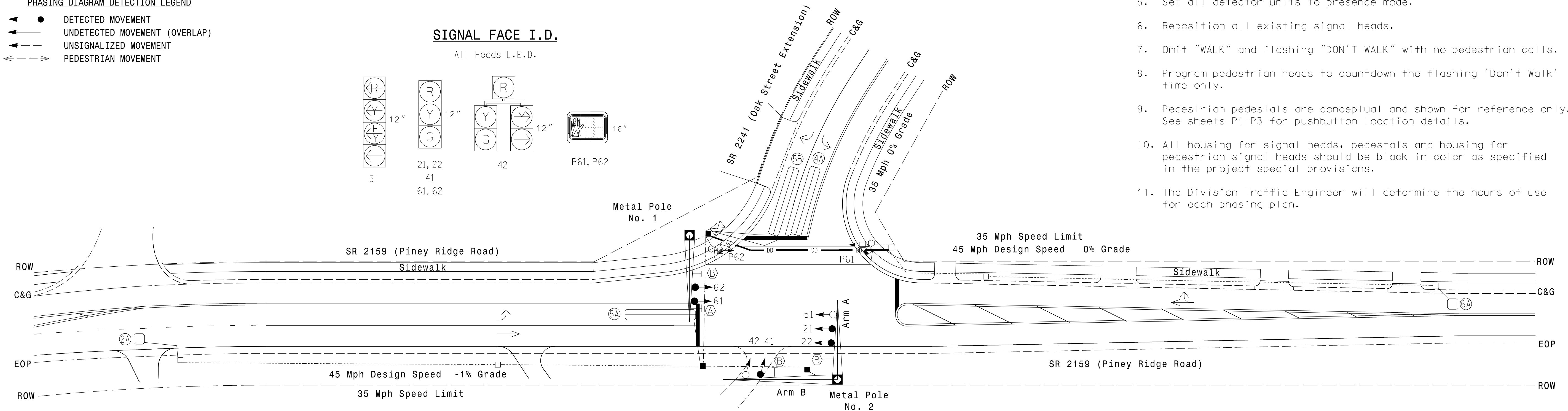
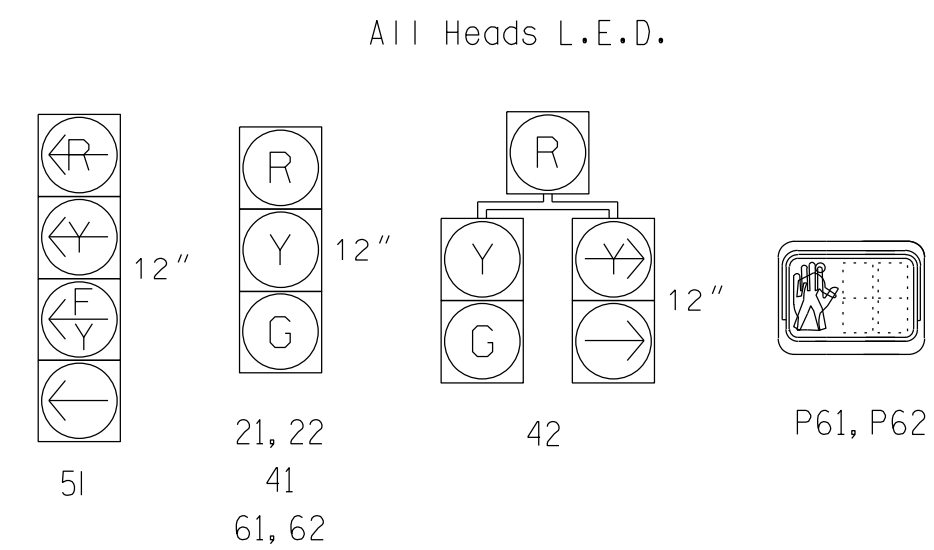
* Disable phase call during Alternate Phasing operation.
 ** Reduce delay to 3 sec during Alternate Phasing operation.

3 Phase Fully Actuated Isolated

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Enable Backup Protect for phase 2 to allow the controller to clear from phase 2+6 to phase 2+5 by progressing through an all red display.
- Phase 5 may be lagged.
- Set all detector units to presence mode.
- Reposition all existing signal heads.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing 'Don't Walk' time only.
- Pedestrian pedestals are conceptual and shown for reference only. See sheets P1-P3 for pushbutton location details.
- All housing for signal heads, pedestals and housing for pedestrian signal heads should be black in color as specified in the project special provisions.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.

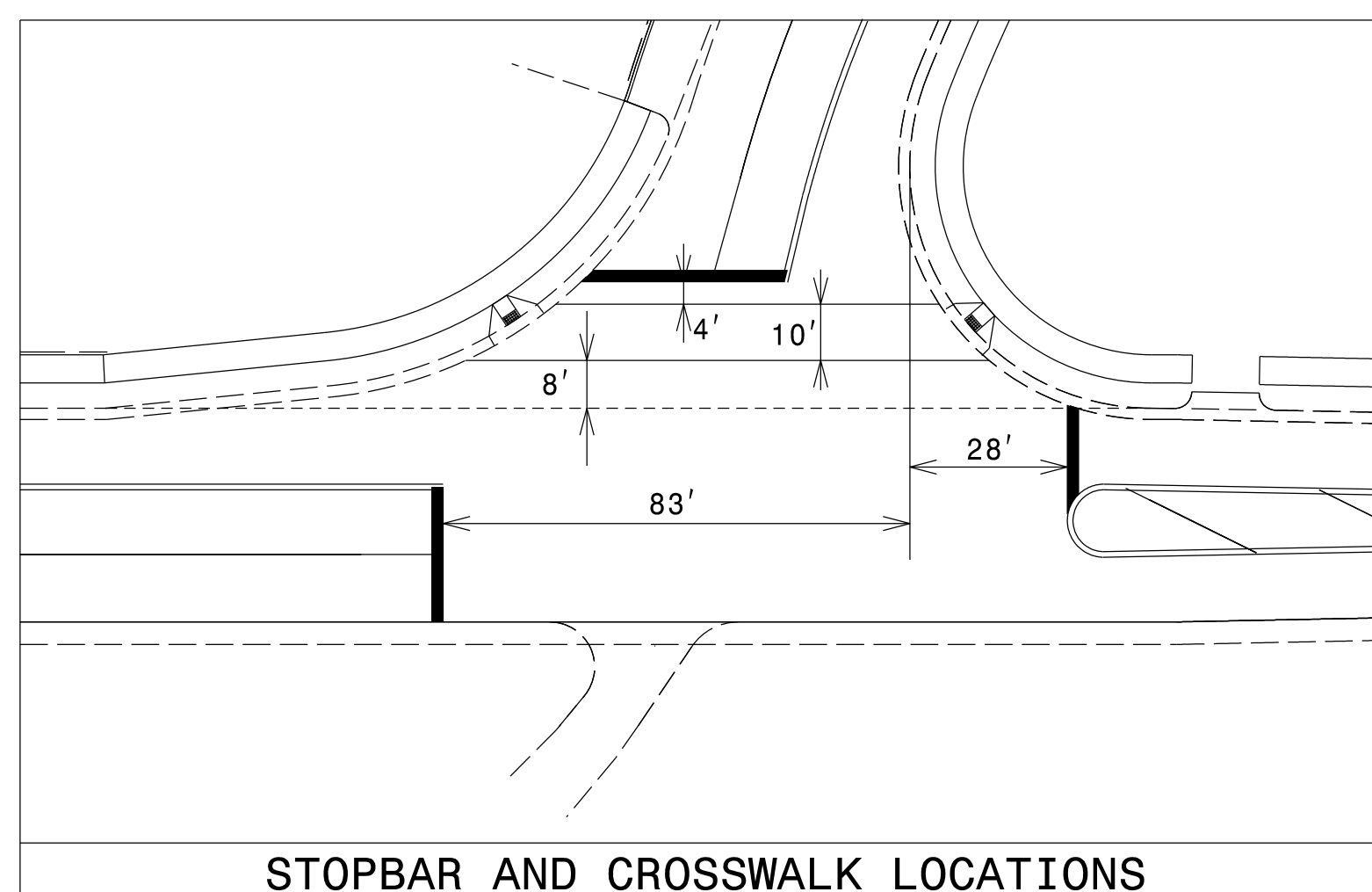
SIGNAL FACE I.D.



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	12	7	7	12
Extension 1 *	6.0	2.0	2.0	6.0
Max Green 1 *	90	30	20	90
Yellow Clearance	4.6	3.0	3.0	4.6
Red Clearance	1.8	2.1	2.4	1.8
Red Revert	5.0	2.0	2.0	2.0
Walk 1 *	-	-	-	7
Don't Walk 1	-	-	-	20
Advance Walk Time	-	-	-	-
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	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

NC Dept of Transportation
 Division of Highways
 Final Drawing Date: 1/12/2018
 DocuSigned by: R. N. Zinner
 ITS & Signals Unit

Signal Upgrade-Final Design

SR 2159 (Piney Ridge Road) at SR 2241 (Oak Street Extension)

Division 13 Rutherford County Forest City

PLAN DATE: Dec. 2017 REVIEWED BY: J. L. Lewis

PREPARED BY: J. Ma VHB PROJECT NO.: 38536.09

REVISIONS: INIT. DATE

SCALE: 1"=30'

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033108

Jianxin Ma 2017.12.15 10:13:36-05'00'

SIGNATURE: DATE: SIG. INVENTORY NO. 13-1241

12/15/2017
 hbrp01
 User: jma