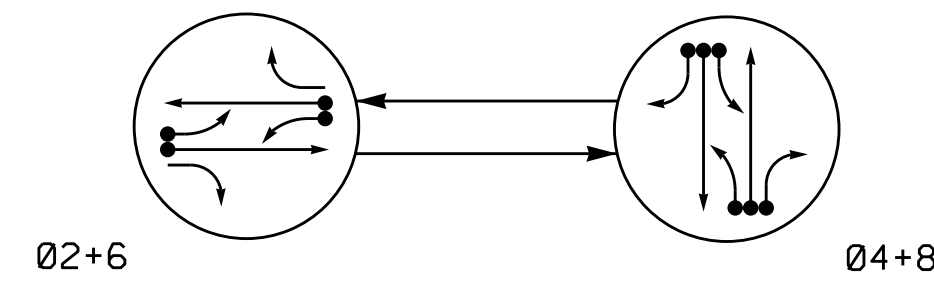


PHASING DIAGRAM



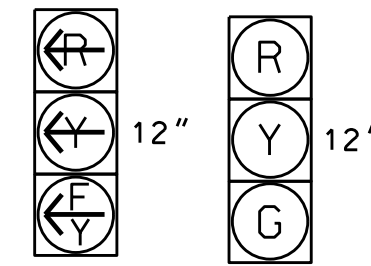
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE		
	Ø 2+6	Ø 4+8	Ø 4+8
21	Y	R	Y
22, 23	G	R	Y
41, 42	R	G	R
61	Y	R	Y
62, 63	G	R	Y
81, 82	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



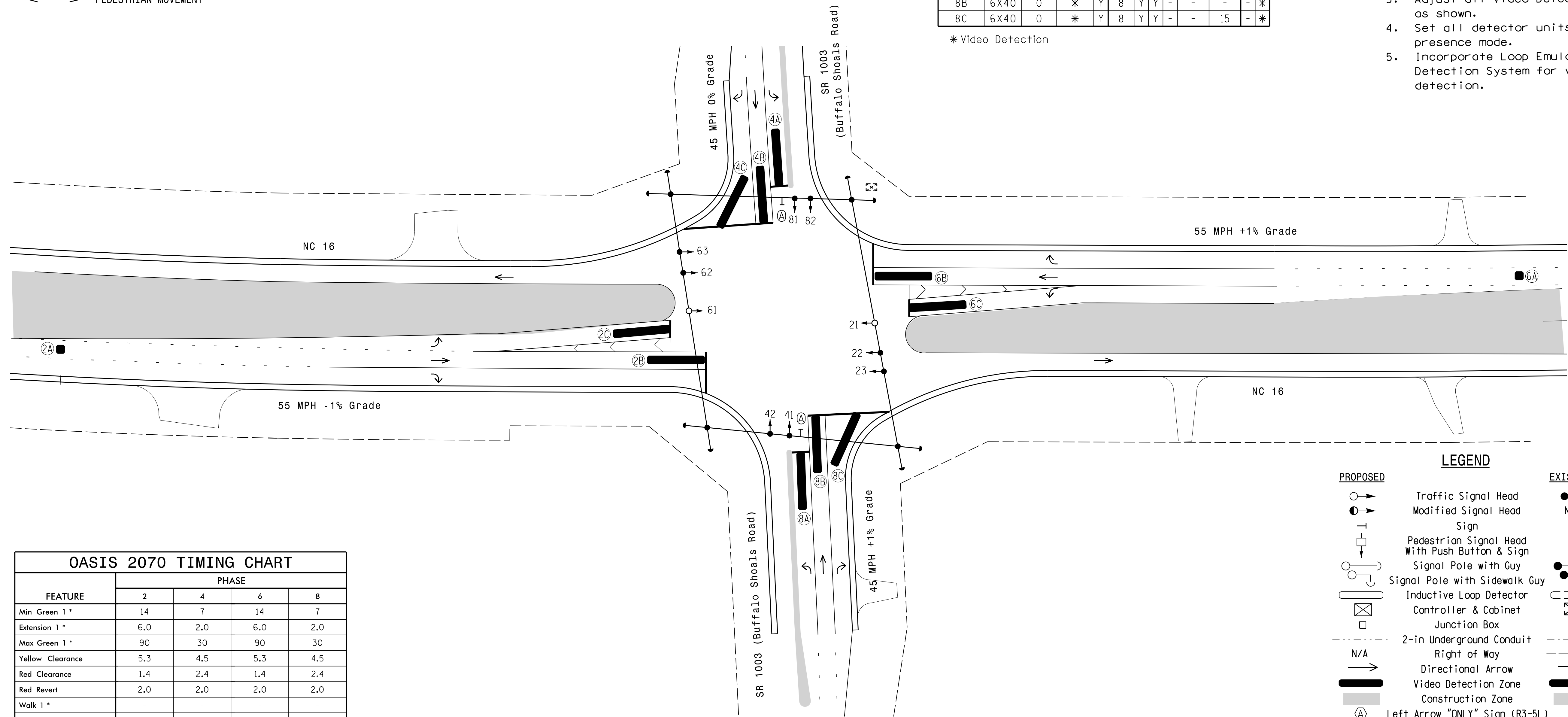
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING						SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME		
2A	6X6	420	*	-	2	Y	Y	-	-	-	-	*
2B	6X40	0	*	-	2	Y	Y	Y	2.0	5	-	*
2C	6X40	0	*	-	2	Y	Y	Y	-	3	-	*
4A	6X40	0	*	-	4	Y	Y	-	-	3	-	*
4B	6X40	0	*	Y	4	Y	Y	-	-	-	-	*
4C	6X40	0	*	Y	4	Y	Y	-	-	15	-	*
6A	6X6	420	*	-	6	Y	Y	-	-	-	-	*
6B	6X40	0	*	-	6	Y	Y	Y	2.0	5	-	*
6C	6X40	0	*	-	6	Y	Y	Y	-	3	-	*
8A	6X40	0	*	-	8	Y	Y	-	-	3	-	*
8B	6X40	0	*	Y	8	Y	Y	-	-	-	-	*
8C	6X40	0	*	Y	8	Y	Y	-	-	15	-	*

* Video Detection

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.
- Adjust all Video Detection Zones as shown.
- Set all detector units to presence mode.
- Incorporate Loop Emulator Detection System for vehicle detection.



FEATURE	OASIS 2070 TIMING CHART			
	2	4	6	8
Min Green 1*	14	7	14	7
Extension 1*	6.0	2.0	6.0	2.0
Max Green 1*	90	30	90	30
Yellow Clearance	5.3	4.5	5.3	4.5
Red Clearance	1.4	2.4	1.4	2.4
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	3.4	-	3.4	-
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.

PROPOSED		EXISTING	
○	Traffic Signal Head	●	N/A
○	Modified Signal Head	○	N/A
⊥	Signal	⊥	N/A
⊥	Pedestrian Signal Head With Push Button & Sign	⊥	N/A
⊥	Signal Pole with Guy	⊥	N/A
⊥	Signal Pole with Sidewalk Guy	⊥	N/A
⊥	Inductive Loop Detector	⊥	N/A
⊥	Controller & Cabinet	⊥	N/A
⊥	Junction Box	⊥	N/A
⊥	2-in Underground Conduit	⊥	N/A
N/A	Right of Way	---	N/A
→	Directional Arrow	→	N/A
▬	Video Detection Zone	▬	N/A
▬	Construction Zone	▬	N/A
⊥	Left Arrow "ONLY" Sign (R3-5L)	⊥	N/A

Temporary Signal Design 3 (TCP Phase-III)

	NC 16 at SR 1003 (Buffalo Shoals Road)			
	Division 12 Catawba County			Newton
	PLAN DATE: June 2016	REVIEWED BY: T. Williams		
	PREPARED BY: M. Mahbooba	REVIEWED BY:		
		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
REVISIONS: _____ INIT. DATE _____		SIGNED: S. J. Williams DATE: 10/13/2016		
SCALE: 1" = 40'		SIG. INVENTORY NO. 12-0479 T3		

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