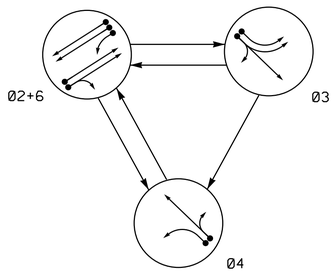
PROJECT REFERENCE NO.	SHEET NO.
R-2603	Sig 3.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

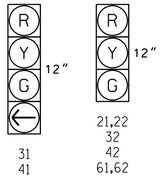
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE 02+6	PHASE 03	PHASE 04	FLASH
21,22	G	R	R	Y
31	R	G (←)	R	R
32	R	G	R	R
41	R	R	G (←)	R
42	R	R	G	R
61,62	G	R	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

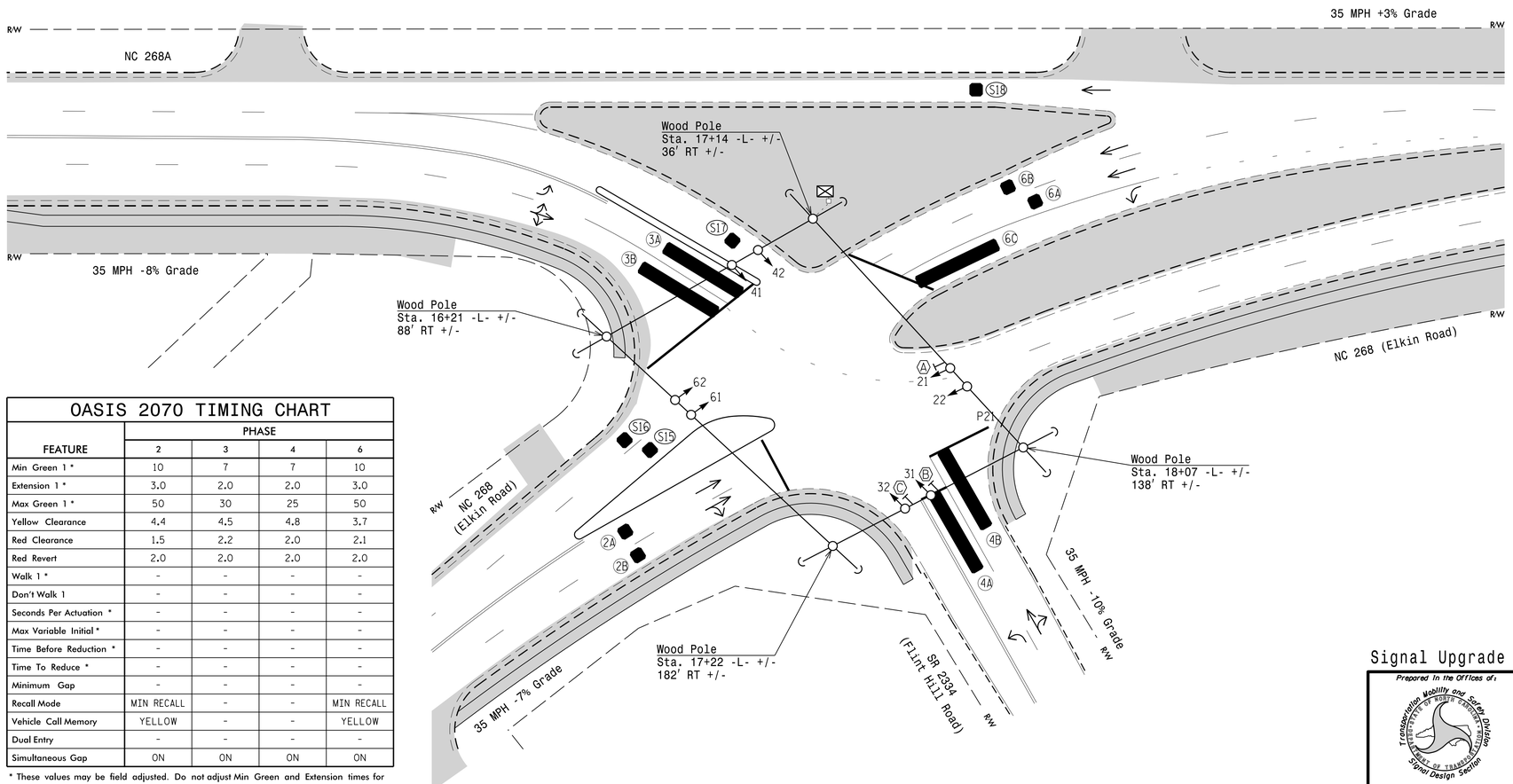
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A,2B	6x6	70	✳	✳	2	Y	Y	-	-	-	-	✳
3A	6x40	0	✳	✳	3	Y	Y	-	-	-	-	✳
3B	6x40	0	✳	✳	3	Y	Y	-	-	5	-	✳
4A	6x40	0	✳	✳	4	Y	Y	-	-	3	-	✳
4B	6x40	0	✳	✳	4	Y	Y	-	-	10	-	✳
6A,6B	6x6	70	✳	✳	6	Y	Y	-	-	-	-	✳
6C	6x40	0	✳	✳	6	Y	Y	-	-	-	-	✳
S15	6x6	+130	✳	✳	-	-	-	-	-	-	Y	✳
S16	6x6	+130	✳	✳	-	-	-	-	-	-	Y	✳
S17	6x6	+130	✳	✳	-	-	-	-	-	-	Y	✳
S18	6x6	70**	✳	✳	-	-	-	-	-	-	Y	✳

✳ Video Detection Zone
✳✳ Loop located on free right turn ramp adjacent to loops 6A and 6B.

3 Phase
Fully Actuated
NC 18-268 (2nd St) CLS

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. The order of phase 3 and phase 4 may be reversed.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Pavement markings are existing.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
8. Closed loop system data: Controller Asset #0979.



LEGEND

PROPOSED		EXISTING
○→	Traffic Signal Head	●→
◐→	Modified Signal Head	N/A
⊣	Sign	⊣
○→	Signal Pole with Guy	●→
○	Signal Pole with Sidewalk Guy	●
▭	Inductive Loop Detector	▭
⊠	Controller & Cabinet	⛶
□	Junction Box	■
·-·-·	2-in Underground Conduit	·-·-·
N/A	Right of Way	- - - - -
→	Directional Arrow	→
Ⓐ	No Left Turn Sign (R3-2)	Ⓐ
Ⓑ	Left Arrow "ONLY" Sign (R3-5L)	Ⓑ
Ⓒ	Left / Through / Right Arrow Sign (Modified R3-6)	Ⓒ
▭	Construction Zone	▭
▬	Video Detection Zone	▬

OASIS 2070 TIMING CHART

FEATURE	PHASE 2	PHASE 3	PHASE 4	PHASE 6
Min Green 1 *	10	7	7	10
Extension 1 *	3.0	2.0	2.0	3.0
Max Green 1 *	50	30	25	50
Yellow Clearance	4.4	4.5	4.8	3.7
Red Clearance	1.5	2.2	2.0	2.1
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 *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
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.

Signal Upgrade - Temporary Design 1 - TCP Phase I (Step 2)

Prepared in the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

NC 268 (Elkin Road)
at
NC 268A /
SR 2334 (Flint Hill Road)
Division 11 Wilkes County North Wilkesboro

PLAN DATE: December 2014 REVIEWED BY: Z.M. Little
PREPARED BY: C.L. Sweeney REVIEWED BY:

SCALE 0 30 1"=30'

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 030530 ENGINEER ZACHARY W. LITTLE

DocuSigned by: Zachary W. Little 1/29/2015
SIGNATURE DATE

SIG. INVENTORY NO. II-0979 TI

29-JAN-2015 12:24
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zmlittle