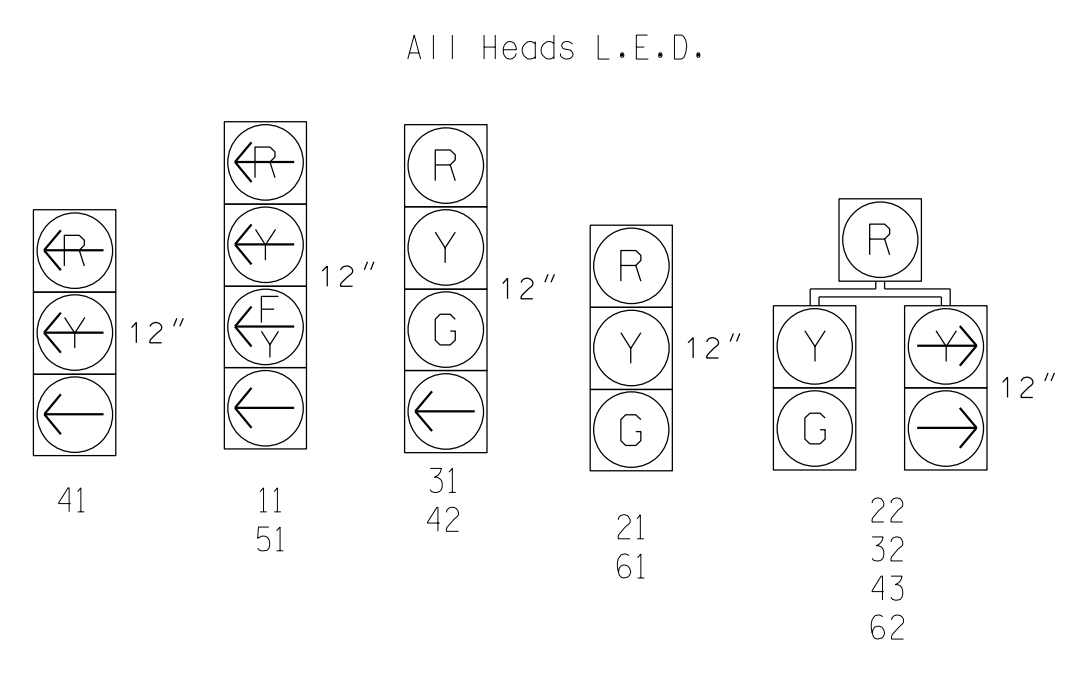


SIGNAL FACE	PHASE						FLASH
	Ø1+5	Ø1+6	Ø2+5	Ø2+6	Ø3	Ø4	
11	←	←	←	←	←	←	Y
21	R	R	G	G	R	R	Y
22	R	R	G	G	R	R	Y
31	R	R	R	R	G	R	R
32	R	R	R	R	G	R	R
41	←	←	←	←	←	←	Y
42	R	R	R	R	G	R	R
43	R	R	R	R	G	R	R
51	←	←	←	←	←	←	Y
61	R	G	R	G	R	R	Y
62	R	G	R	G	R	R	Y

SIGNAL FACE I.D.



ASC/3 DETECTOR INSTALLATION CHART												
DETECTOR				PROGRAMMING								
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CARD
1A	6x40	0	2-4-2	-	1	Yes	-	15	-	S	-	X
2A/S1	6x6	400	EXIST	-	2	Yes	-	-	X	N	X	X
2B/S2	6x6	400	EXIST	-	2	Yes	-	-	X	N	X	X
3A	6x40	0	2-4-2	-	3/10	Yes	-	-	-	S	-	X
3B	6x40	0	2-4-2	-	3/10	Yes	-	-	-	S	-	X
3C	6x40	0	2-4-2	-	3/10	Yes	-	15	-	S	-	X
4A	6x40	0	2-4-2	-	4	Yes	-	-	-	S	-	X
4B	6x40	0	2-4-2	-	4	Yes	-	-	-	S	-	X
4C	6x40	0	2-4-2	-	4	Yes	-	15	-	S	-	X
5A	6x40	+5	2-4-2	-	2	Yes	-	3	-	G	-	X
6A/S3	6x6	420	EXIST	-	6	Yes	-	-	X	N	X	X
6B/S4	6x6	420	EXIST	-	6	Yes	-	-	X	N	X	X

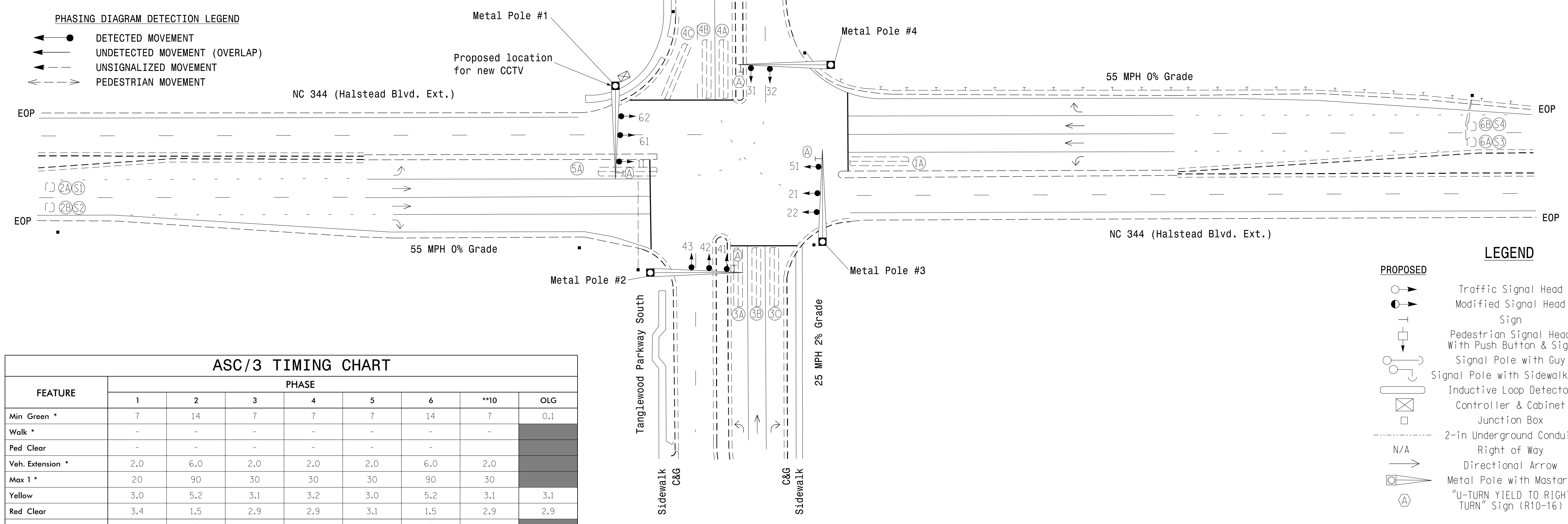
6 Phase Fully Actuated (Elizabeth City Signal System)

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.
- Phase 1 and/or phase 5 may be lagged.
- Backplates are existing on signal heads numbered 21, 22, 31, 33, 41, 61 and 62.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

PHASING DIAGRAM DETECTION LEGEND

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



ASC/3 TIMING CHART

FEATURE	PHASE							**10	OLG
	1	2	3	4	5	6			
Min Green *	7	14	7	7	7	14	7	0.1	
Walk *	-	-	-	-	-	-	-	-	
Ped Clear	-	-	-	-	-	-	-	-	
Veh. Extension *	2.0	6.0	2.0	2.0	2.0	6.0	2.0	-	
Max 1 *	20	90	30	30	30	90	30	-	
Yellow	3.0	5.2	3.1	3.2	3.0	5.2	3.1	3.1	
Red Clear	3.4	1.5	2.9	2.9	3.1	1.5	2.9	2.9	
Actuations B4 Add *	-	0	-	-	-	0	-	-	
Seconds / Actuation *	-	1.8	-	-	-	1.8	-	-	
Max Initial *	-	46	-	-	-	46	-	-	
Time Before Reduction *	-	15	-	-	-	15	-	-	
Time To Reduce *	-	30	-	-	-	30	-	-	
Minimum Gap	-	3.4	-	-	-	3.4	-	-	
Locking Detector	-	X	-	-	-	X	-	-	
Recall Position	-	VEH RECALL	-	-	-	VEH RECALL	-	-	
Dual Entry	-	-	-	-	-	-	-	-	
Simultaneous Gap	X	X	X	X	X	X	X	-	

* 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.
 ** Phase used for timing purposes only.

LEGEND

- | PROPOSED | EXISTING |
|--|----------|
| ○ → Traffic Signal Head | ● → N/A |
| ○ → Modified Signal Head | ○ → N/A |
| ○ → Sign | ○ → 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 |
| ○ → Right of Way | ○ → N/A |
| ○ → Directional Arrow | ○ → N/A |
| ○ → Metal Pole with Mastarm | ○ → N/A |
| ○ → "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) | ○ → N/A |

Signal Upgrade

Prepared For the Offices of:

DRMP, Inc.
8000 Regency Parkway, Suite 175
Cary, NC 27518
NC License No. C-2213 (919) 650-1038

NC 344 (Halstead Blvd. Ext.) at Wal-Mart Entrance/ Tanglewood Parkway South

Division 1 Pasquotank County Elizabeth City

PLAN DATE: March 2018 REVIEWED BY: AJ Davis

PREPARED BY: JA Le REVIEWED BY: LM Moon

REVISIONS: INIT. DATE

DocuSigned by: Lisa M. Moon 8/21/2018

SIG. INVENTORY NO. 01-0747

21-AUG-2018 17:42
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 DWI:TB AT CAR-DWH:TE-LTW