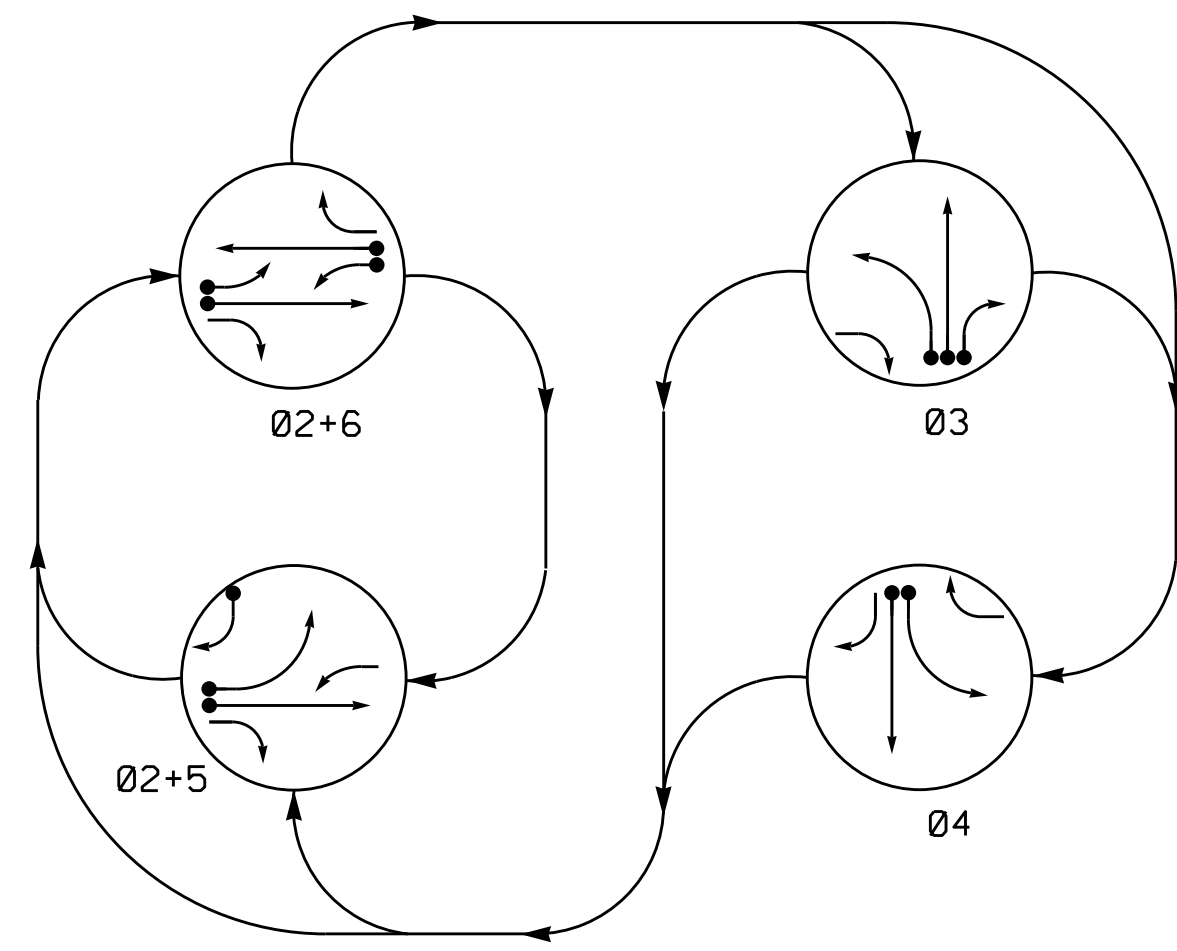


PHASING DIAGRAM

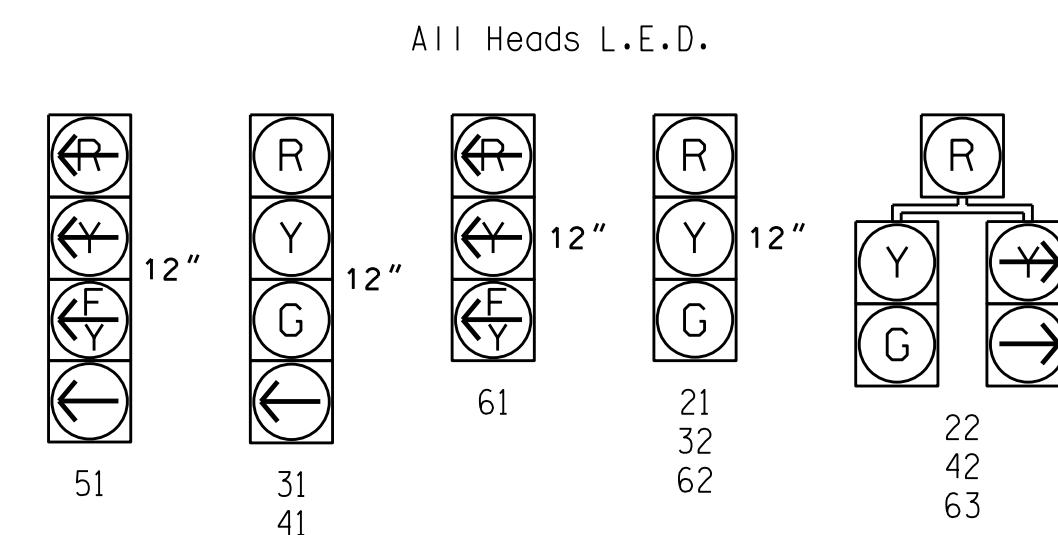


SIGNAL FACE	PHASE				
	Ø 2+5	Ø 2+6	Ø 3	Ø 4	F LASH
21	G	G	R	R	Y
22	G	G	R	R	Y
31	R	R	G	R	R
32	R	R	G	R	R
41	R	R	G	R	R
42	R	R	G	R	R
51	R	R	G	R	R
61	R	R	G	R	R
62	R	R	G	R	R
63	R	R	G	R	R

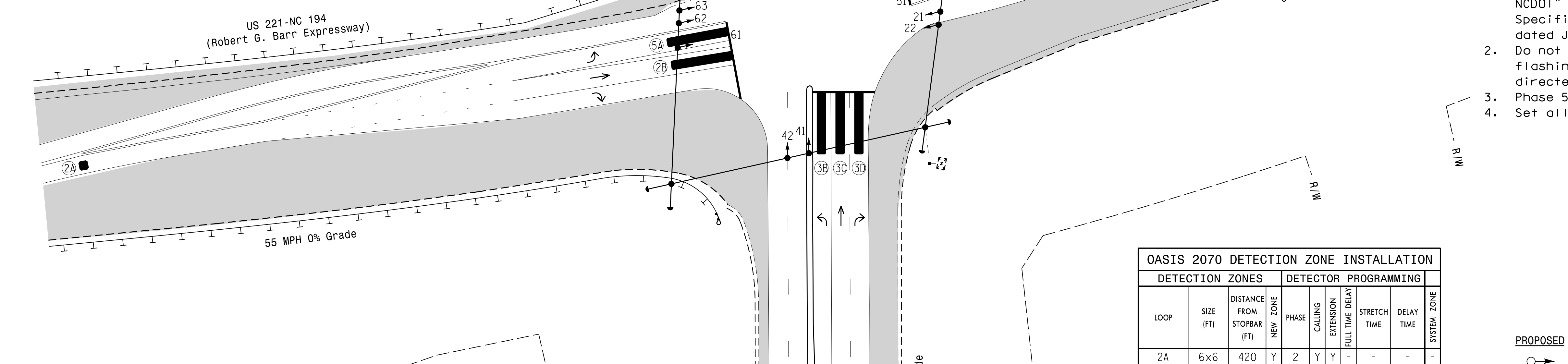
PHASING DIAGRAM DETECTION LEGEND

- ← ● → DETECTED MOVEMENT
- ← ○ → UNDETECTED MOVEMENT (OVERLAP)
- ← - - - → UNSIGNALIZED MOVEMENT
- ← - - - P → PEDESTRIAN MOVEMENT

SIGNAL FACE I.D.



4 Phase Fully Actuated Isolated



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. Phase 5 may be lagged.
4. Set all detector units to presence mode.

OASIS 2070 TIMING CHART

FEATURE	PHASE				
	2	3	4	5	6
Min Green 1 *	14	7	7	7	14
Extension 1 *	6.0	2.0	2.0	2.0	6.0
Max Green 1 *	100	30	30	20	100
Yellow Clearance	5.5	4.1	3.8	3.0	5.5
Red Clearance	1.4	1.5	1.6	2.9	1.4
Red Revert	2.0	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 *	45	-	-	-	45
Minimum Gap	3.4	-	-	-	3.4
Recall Mode	MIN RECALL	-	-	-	MIN RECALL
Vehicle Call Memory	YELLOW	-	-	-	YELLOW
Dual Entry	-	-	-	-	-
Simultaneous Gap	ON	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.

OASIS 2070 DETECTION ZONE INSTALLATION

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	NEW ZONE	DETECTOR PROGRAMMING						
				PHASE	CALLING	EXTENSION	STRETCH FULL TIME DELAY	DELAY TIME	SYSTEM ZONE	
2A	6x6	420	Y	2	Y	Y	-	-	-	-
2B	6x40	0	-	2	Y	Y	2.0	5	-	-
3A	15x6	300	-	3	-	Y	2.4	-	-	-
3B	6x40	0	-	3	Y	Y	-	-	-	-
3C	6x40	0	-	3	Y	Y	-	-	-	-
3D	6x40	0	-	3	Y	Y	-	15	-	-
4A	6x40	0	-	4	Y	Y	-	-	-	-
4B	6x40	0	-	4	Y	Y	-	-	-	-
5A	6x40	0	-	5	Y	Y	-	15	-	-
5B	6x40	0	-	5	Y	Y	-	15	-	-
6A	6x6	420	-	6	Y	Y	-	-	-	-
6B	6x40	0	-	6	Y	Y	-	3	-	-
6C	6x40	0	-	6	Y	Y	2.0	5	-	-

LEGEND

- | | |
|--|--|
| PROPOSED | EXISTING |
| ○ → Traffic Signal Head | ● → Traffic Signal Head |
| ○ → Modified Signal Head | ○ → Modified Signal Head |
| ○ → Pedestrian Signal Head With Push Button & Sign | ○ → Pedestrian Signal Head With Push Button & Sign |
| ○ → Signal Pole with Guy | ○ → Signal Pole with Guy |
| ○ → Signal Pole with Sidewalk Guy | ○ → Signal Pole with Sidewalk Guy |
| □ ⊗ Inductive Loop Detector | □ ⊗ Inductive Loop Detector |
| □ ⊗ Controller & Cabinet | □ ⊗ Controller & Cabinet |
| □ Junction Box | □ Junction Box |
| - - - 2-in Underground Conduit | - - - 2-in Underground Conduit |
| - - - Right of Way | - - - Right of Way |
| → Directional Arrow | → Directional Arrow |
| Construction Zone | Construction Zone |
| Video Detection Zone | Video Detection Zone |

Signal Upgrade - Temporary Design 2 - TCP Phase II

	<p>US 221-NC 194 at US 221 Business-NC 194/NC 163</p>	
	<p>Division 11 Ashe County near West Jefferson</p>	
<p>750 N. Greenfield Pkwy, Garner, NC 27529</p>	<p>PLANNED BY: C.L. Sweeney</p>	<p>REVIEWED BY: Z.M. Little</p>
<p>SCALE: 1"=40'</p>	<p>REVISIONS</p>	<p>INIT. DATE</p>
<p>DocuSigned by: Zachary M. Little</p>	<p>10/14/2014</p>	<p>DATE</p>
<p>SIG. INVENTORY NO. II-0341 T2</p>	<p>DATE</p>	<p>DATE</p>

08-007-2014-11-03
 R:\CADD\Projects\0341\034112-0341\034112-0341.dgn
 C:\Users\jsweeney