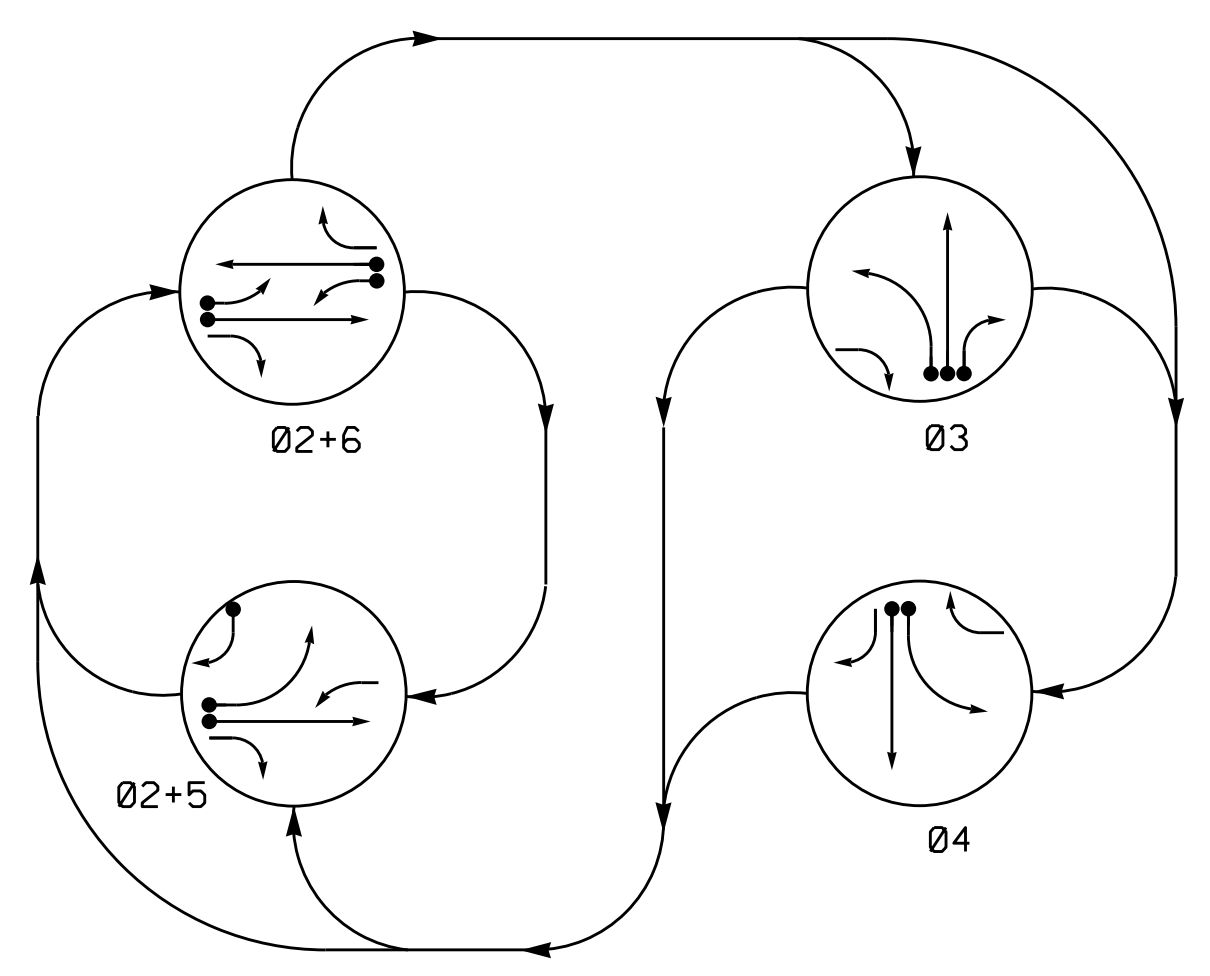


PHASING DIAGRAM

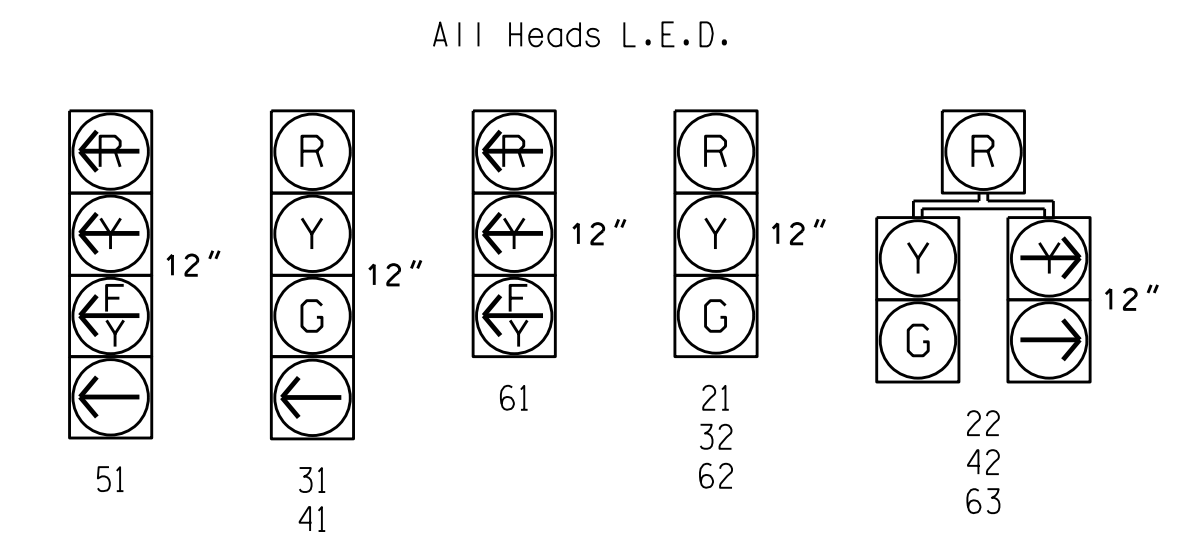


SIGNAL FACE	PHASE				
	02+5	02+6	03	04	FLASH
21	G	G	R	R	Y
22	G	G	R	R	Y
31	R	R	G	R	R
32	R	R	G	R	R
41	R	R	R	G	R
42	R	R	R	G	R
51	-	-	-	-	-
61	-	-	-	-	-
62	R	G	R	R	Y
63	R	G	R	R	Y

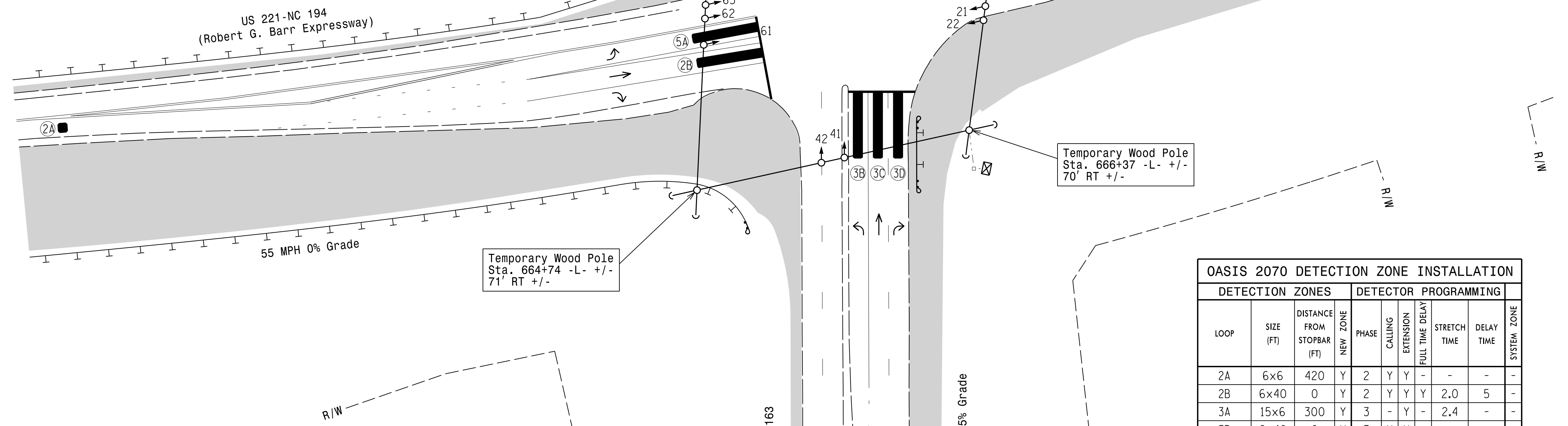
PHASING DIAGRAM DETECTION LEGEND

- ← ● → DETECTED MOVEMENT
- ← ○ → UNDETECTED MOVEMENT (OVERLAP)
- ← - - - UNSIGNALIZED MOVEMENT
- ← - - - 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.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.

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	PHASE	DETECTOR PROGRAMMING			STRETCH TIME	DELAY TIME	SYSTEM ZONE
					CALLING	EXTENSION	FULL TIME DELAY			
2A	6x6	420	Y	2	Y	Y	-	-	-	-
2B	6x40	0	Y	2	Y	Y	-	2.0	5	-
3A	15x6	300	Y	3	-	Y	-	2.4	-	-
3B	6x40	0	Y	3	Y	Y	-	-	-	-
3C	6x40	0	Y	3	Y	Y	-	-	-	-
3D	6x40	0	Y	3	Y	Y	-	-	15	-
4A	6x40	0	Y	4	Y	Y	-	-	-	-
4B	6x40	0	Y	4	Y	Y	-	-	-	-
5A	6x40	0	Y	5	Y	Y	-	-	15	-
5B	6x40	0	Y	5	Y	Y	-	-	15	-
6A	6x6	420	Y	6	Y	Y	-	-	-	-
6B	6x40	0	Y	6	Y	Y	-	-	3	-
6C	6x40	0	Y	6	Y	Y	-	2.0	5	-

LEGEND

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

Signal Upgrade - Temporary Design 1 - TCP Phase I

	<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 TI</p>		

28 OCT 2014 10:19
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