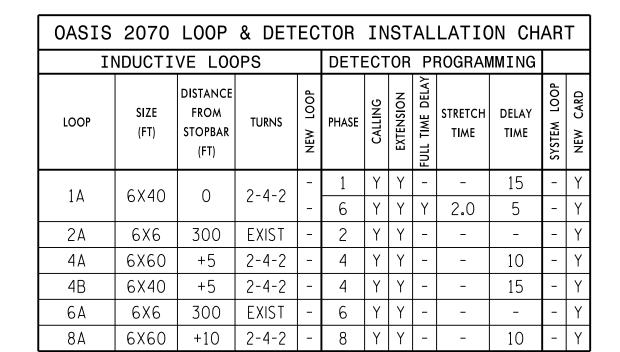
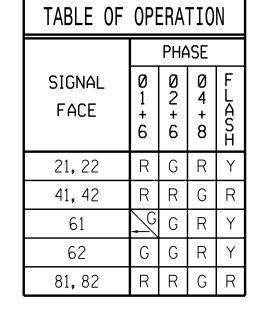
## 3 Phase Fully Actuated Asheville Signal System

## 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. Enable Backup Protect for phase 6 to allow the controller to clear from phase 1+6 to phase 2+6 by progressing through an all red display.
- 4. Set all detector units to presence
- 5. In the event of loop replacement. refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- 6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 7. The cabinet should be designed to include an Auxiliary Output file for future use.
- 8. Pavement markings are existing.
- 9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

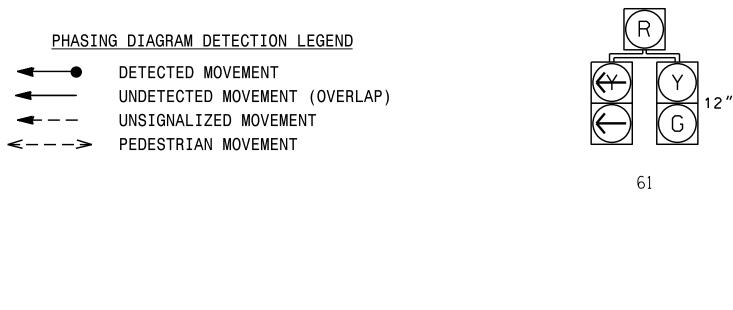


NC 191 (Brevard Road)

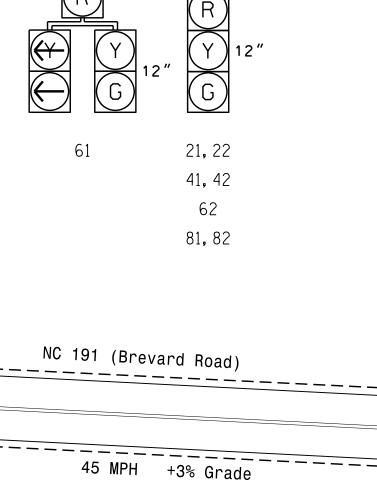


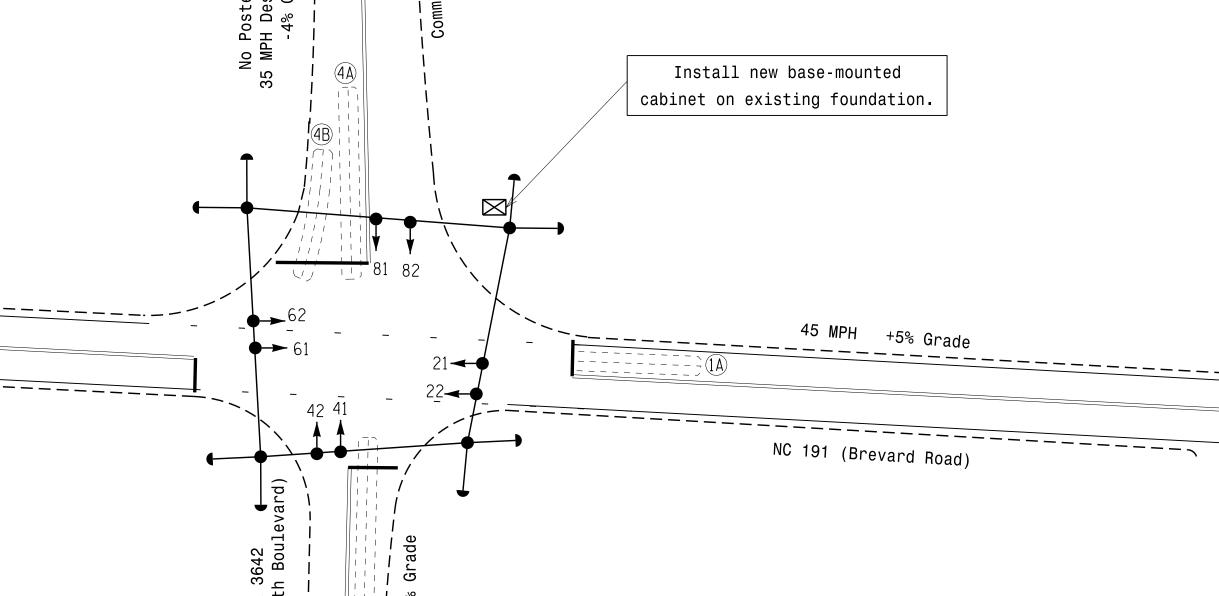
## SIGNAL FACE I.D.

All Heads L.E.D.



04+8





OASIS 2070 TIMING CHART PHASE **FEATURE** 2 Min Green 1 \* 12 Extension 1 \* 2.0 6.0 2.0 1.0 35 90 35 90 Max Green 1 \* Yellow Clearance 4.3 4.1 4.1 2.4 1.4 1.8 1.8 Red Clearance 2.0 2.0 2.0 5.0 2.0 Red Revert Walk 1 \* Don't Walk 1 2.5 Seconds Per Actuation 34 Max Variable Initial \* 15 Time Before Reduction 15 Time To Reduce 30 3.0 Minimum Gap

\_\_\_\_\_

PHASING DIAGRAM

02+6

MIN RECALL

YELLOW

ON

Recall Mode

Vehicle Call Memory

Simultaneous Gap

MIN RECALL

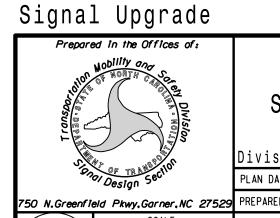
YELLOW

ON

ON

<u>PROPOSED</u>		<u>EXISTING</u>
$\bigcirc$	Traffic Signal Head	<b></b>
<b>O</b> >	Modified Signal Head	N/A
$\dashv$	Sign	$\dashv$
	Pedestrian Signal Head With Push Button & Sign	<b>#</b>
O)	Signal Pole with Guy	•
	Signal Pole with Sidewalk G	uy
	Inductive Loop Detector	$\subset = = \supset$
	Controller & Cabinet	K×N K×N
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
$\longrightarrow$	Directional Arrow	$\longrightarrow$
	With Push Button & Sign Signal Pole with Guy Signal Pole with Sidewalk Gu Inductive Loop Detector Controller & Cabinet Junction Box 2-in Underground Conduit Right of Way	

**LEGEND** 



1"=30'

NC 191 (Brevard Road) at SR 3642 (Park South Blvd)/

Division 13 Buncombe County Asheville REVIEWED BY: T. Williams May 2016 750 N.Greenfleid Pkwy.Garner.NC 27529 PREPARED BY: M. Mahbooba REVIEWED BY: REVISIONS INIT. DATE

SIG. INVENTORY NO.

DOCUMENT NOT CONSIDERED

FINAL UNLESS ALL

SIGNATURES COMPLETED