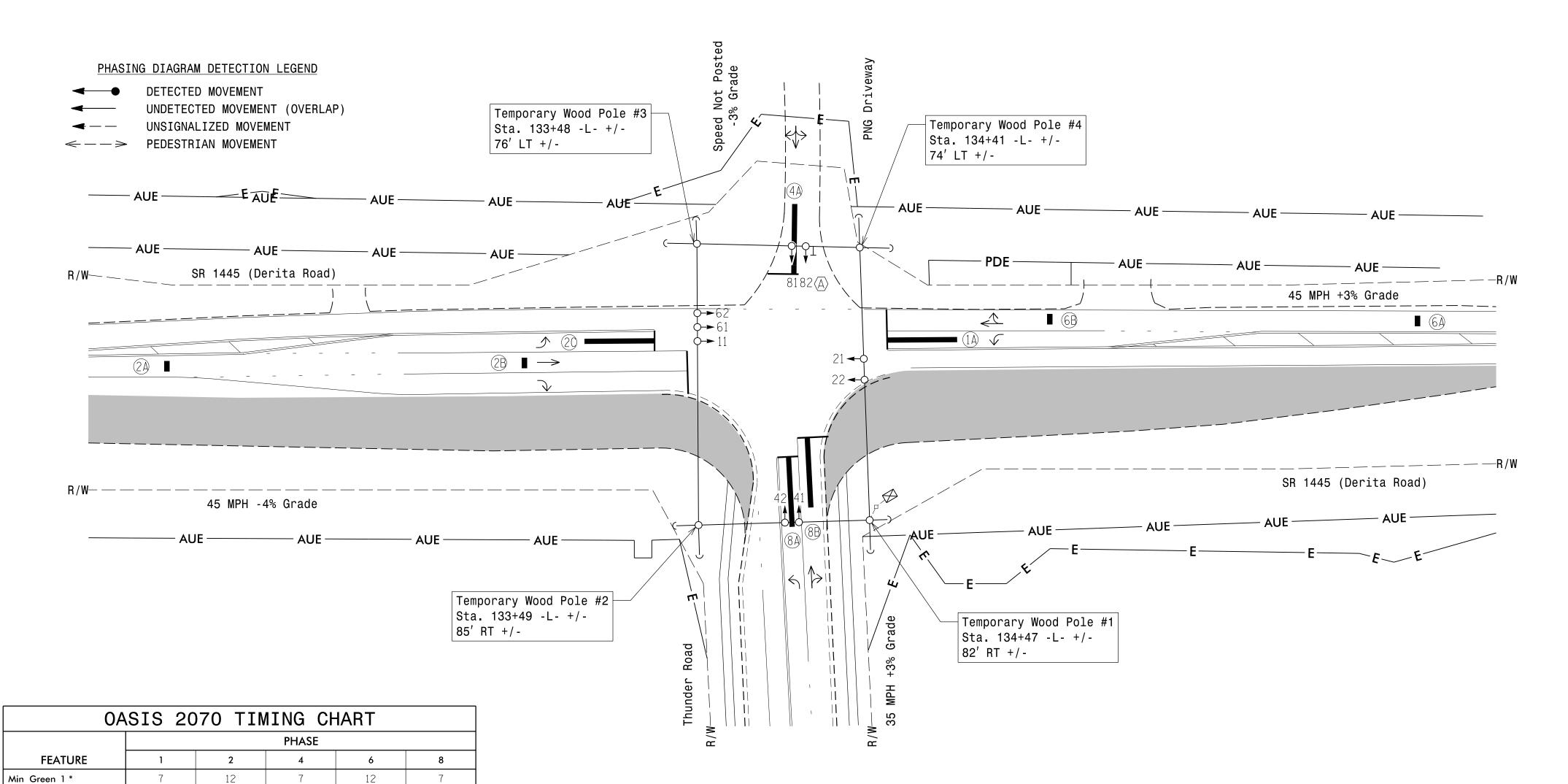


81,82

SIGNAL	FACE I.	. D .
All Hed	ads L.E.D.	
12	G	2"
11	21,22 41,42	
	61,62	
	81,82	

OASIS 2070 DETECTOR INSTALLATION CHART											
DETECTION ZONE				DETECTOR PROGRAMMING							
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	NEW ZONE	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM ZONE	NEW CARD
1 A	6X·40	0	Υ	1	Υ	Υ	-	-	3	-	-
2·A	6X6	300	Υ	2	Υ	Υ	-	1.6	_	_	_
2·B	6X6	90	Υ	2	Υ	Υ	-	-	_	_	_
2·C	6X·40	0	Υ	2	Υ	Υ	-	-	-	_	_
4·A	6X:40	0	Υ	4	Υ	Υ	_	-	10	_	-
6·A	6X6	300	Υ	6	Υ	Y	_	1.6	_	_	-
6·B	6X6	90	Υ	6	Υ	Υ	-	_	_	-	_
8·A	6X·40	0	Υ	8	Υ	Υ	-		3	_	_
8B	6X:40	0	Υ	8	Υ	Y	_	_	_	_	-



3 Phase Fully Actuated Concord City Signal System

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012, "Standard Specifications for Roads and Structures" dated January 2012, and all applicable sections of the latest version of the generic Project Special Provisions.
- 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 2+6 to phase 1+6 by progressing through an all red display.
- 4. Install backplates for all signal heads.
- 5. Set all detector units to presence mode.
- 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 #2010.
- 9. Reuse existing video detection system for temporary signals. Relocate equipment as necessary.
- 10. Remove existing metal signal poles and foundations.
- 11. Remove existing wireless communication equipment and return to the City of Concord.

LEGEND **PROPOSED EXISTING** Traffic Signal Head Modified Signal Head N/A Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy Signal Pole with Sidewalk Guy Video Detection Zone Controller & Cabinet Junction Box 2-in Underground Conduit Right of Way Directional Arrow "NO TURN ON RED" Sign (R10-11a) 🕒 Construction Zone N/A N/A —— **E**—— Construction Easement — AUE — Aerial Utility Easement — PDE — Permanent Drainage Easement

AECOM

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Signal Upgrade-Temporary Design 1-TCP Phase I

Prepared in the Offices of:
SR 1445 (Derita Road)

SR 1445 (Derita Road)
at
Thunder Road / PNG Driveway

Division 10 Cabarrus County Conc

PLAN DATE: March 2016 REVIEWED BY: C.L. Kalenci

PLAN DATE: March 2016 REVIEWED BY: C.L. Kalencik

PREPARED BY: S W COX REVIEWED BY:

SCALE

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SIG. INVENTORY NO. | 0 - 20|0 T

7/1/2016 0:*60300471*900_WorkingDocs_CAD*0⁻ Extension 1 *

Max Green 1 *

Red Clearance

Red Revert

Don't Walk 1

Seconds Per Actuation

Time Before Reduction

Max Variable Initial *

Time To Reduce 3

Vehicle Call Memory

Simultaneous Gap

Minimum Gap

Recall Mode

Dual Entry

Yellow Clearance

* 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.

MIN RECAL

YELLOW

ON

2.0

90

4.9

1.3

2.0

20

3.0

2.6

ON

2.0

30

3.3

2.0

2.0

ON

ON

90

4.3

1.3

5.0

MIN RECALL

YELLOW

2.0

30

3.7

2.1

2.0

ON

ON