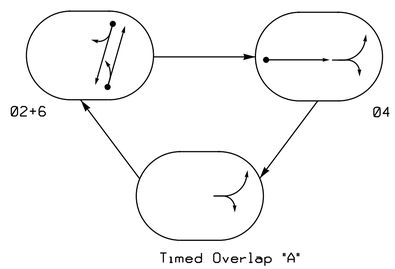
PROJECT REFERENCE NO.	SHEET NO.
B-5396	Sig.2.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

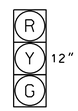
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE 02+6	PHASE 04	TOL "A"	FLASH
21, 22	G	R	R	R
41, 42	R	G	R	R
43, 44	R	G	G	R
61, 62	G	R	R	R

SIGNAL FACE I.D.

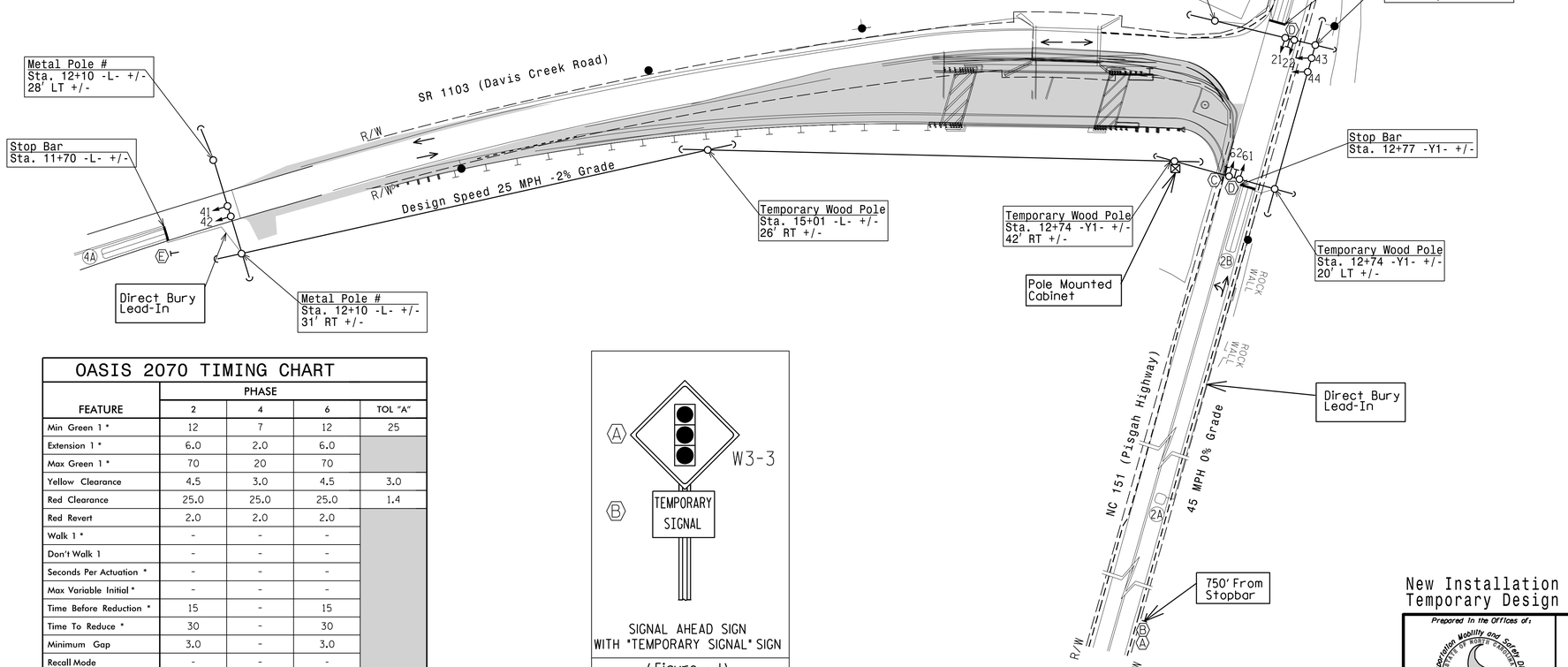
All Heads L.E.D.



21, 22
41, 42
43, 44
61, 62

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

INDUCTIVE LOOPS					DETECTOR PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	300	5	Y	2	-	Y	-	-	-	-	Y
2B	6X40	0	2-4-2	Y	2	Y	Y	Y	2	5	-	Y
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	-	-	Y
6A	6X6	300	5	Y	6	-	Y	-	-	-	-	Y
6B	6X6	0	2-4-2	Y	6	Y	Y	-	2	5	-	Y



2 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. Set all detector units to presence mode.
4. Program controller to start up in phase 2 red
5. Program all phases for rest red.

OASIS 2070 TIMING CHART

FEATURE	PHASE 2	PHASE 4	PHASE 6	TOL "A"
Min Green 1 *	12	7	12	25
Extension 1 *	6.0	2.0	6.0	
Max Green 1 *	70	20	70	
Yellow Clearance	4.5	3.0	4.5	3.0
Red Clearance	25.0	25.0	25.0	1.4
Red Revert	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 *	30	-	30	
Minimum Gap	3.0	-	3.0	
Recall Mode	-	-	-	
Vehicle Call Memory	YELLOW	-	YELLOW	
Dual Entry	ON	-	ON	
Simultaneous Gap	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.

SIGNAL AHEAD SIGN WITH "TEMPORARY SIGNAL" SIGN

(Figure - 1)

LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
	Directional Arrow	
N/A	Guardrail	
	Construction Zone	
A	Sign Ahead Warning Sign (W3-3) (See Figure - 1)	A
B	"TEMPORARY SIGNAL" Plaque (See Figure - 1)	B
C	"NO TURN ON RED" Sign (R10-11)	C
D	"TEMPORARY SIGNAL" Sign	D
E	"STOP HERE ON RED" Sign (R10-6)	E

New Installation
Temporary Design (TCP - Phases I & II)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

NC 151 (Pisgah Highway) at SR 1103 (Davis Creek Road)

Division 13 Buncombe County Candler

PLAN DATE: November 2015 REVIEWED BY: Z. Little
PREPARED BY: M. Mahbooba REVIEWED BY:

SCALE 1"=40' (0 – 40)

REVISIONS	INIT.	DATE

SEAL NORTH CAROLINA PROFESSIONAL SEAL 030530 ENGINEER ZACHARY M. LITTLE

DocuSigned by: Zachary M. Little 11/23/2015
DC21EFD9EF534AF... DATE

SIG. INVENTORY NO. 13-1286 T1

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