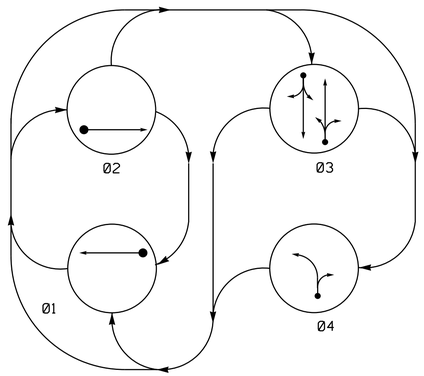
PROJECT REFERENCE NO.	SHEET NO.
B-4811	Sig 2.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

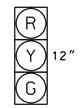
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE 01	PHASE 02	PHASE 03	PHASE 04	FLASH
11, 12	G	R	R	R	R
21, 22	R	G	R	R	R
31, 32	R	R	G	R	R
33, 34	R	R	G	R	R
41, 42	R	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



11, 12
21, 22
31, 32
33, 34
41, 42

OASIS 2070 LOOP & DETECTOR INSTALLATION

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
1A	6x40	0	2-4-2	-	1	Y	Y	-	-	-	-	Y
2A	6x40	0	2-4-2	-	2	Y	Y	-	-	-	-	Y
3A	6x40	0	2-4-2	-	3	Y	Y	-	-	3	-	Y
3B	6x40	0	2-4-2	-	3	Y	Y	-	-	3	-	Y
4A	**	0	**	-	4	Y	Y	-	-	-	-	Y

** Microwave Detection Zone

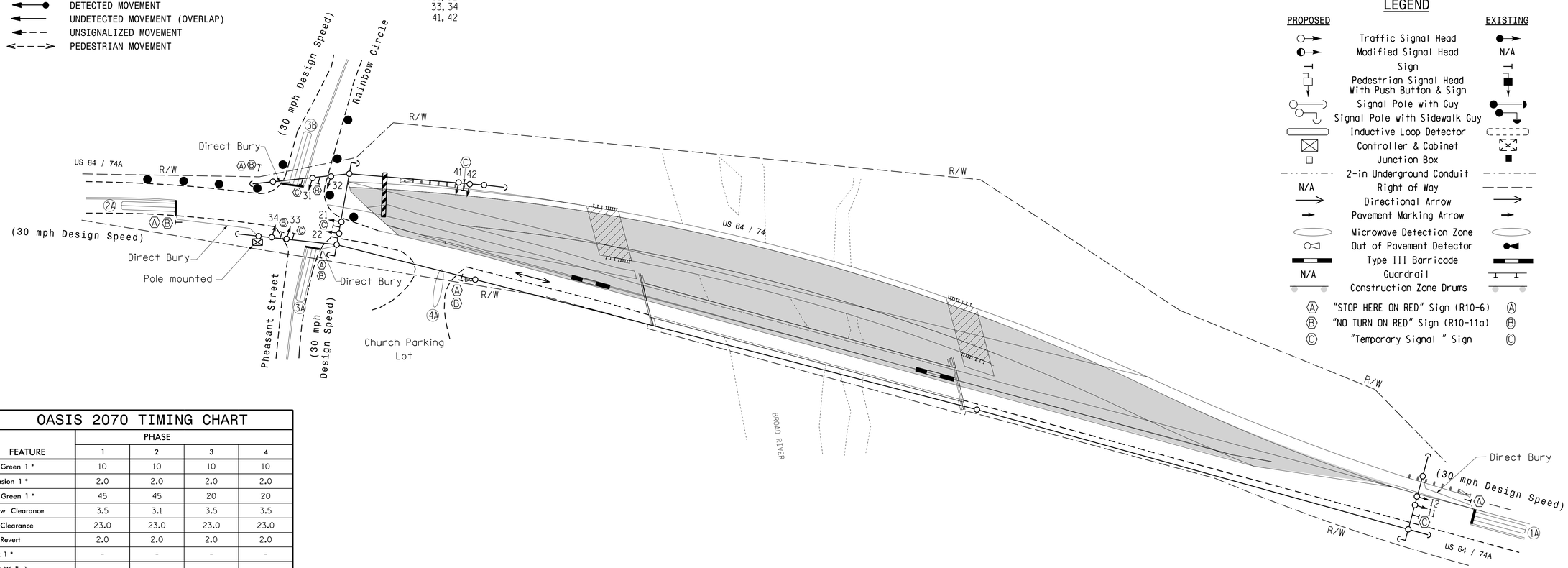
4 Phase
Fully Actuated
(Isolated)

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. Program controller to start-up in Phase 2 red clearance.
4. Set all detector units to presence mode.
5. Program all phases for "Red Rest".

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	
	Pavement Marking Arrow	
	Microwave Detection Zone	
	Out of Pavement Detector	
	Type III Barricade	
N/A	Guardrail	
	Construction Zone Drums	
A	"STOP HERE ON RED" Sign (R10-6)	A
B	"NO TURN ON RED" Sign (R10-11a)	B
C	"Temporary Signal " Sign	C



OASIS 2070 TIMING CHART

FEATURE	PHASE 1	PHASE 2	PHASE 3	PHASE 4
Min Green 1 *	10	10	10	10
Extension 1 *	2.0	2.0	2.0	2.0
Max Green 1 *	45	45	20	20
Yellow Clearance	3.5	3.1	3.5	3.5
Red Clearance	23.0	23.0	23.0	23.0
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	-	-	-	-
Vehicle Call Memory	LOCK	LOCK	LOCK	LOCK
Dual Entry	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON

* These values may be field adjusted. Do not adjust Min Green and Extension times for all other phases lower than what is shown. Min Green for phase 4 should not be lower than 4 seconds.

Temporary Signal - TCP Phase 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

US 64 / 74A at Pheasant Street / Rainbow Circle

Division 13 Rutherford County Near Lake Lure

PLAN DATE: December 2015	REVIEWED BY:
PREPARED BY: C. Pierce	REVIEWED BY:

SCALE 0 40 1"=40'

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 030530 ENGINEER ZACHARY M. LITTLE

DocuSigned by: Zachary M. Little 12/17/2015
DATE

SIG. INVENTORY NO. 13-1285T

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