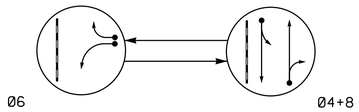
PROJECT REFERENCE NO.	SHEET NO.
38404	Sig. 7

PHASING DIAGRAM



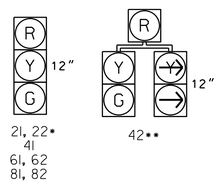
PHASING DIAGRAM DETECTION LEGEND

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

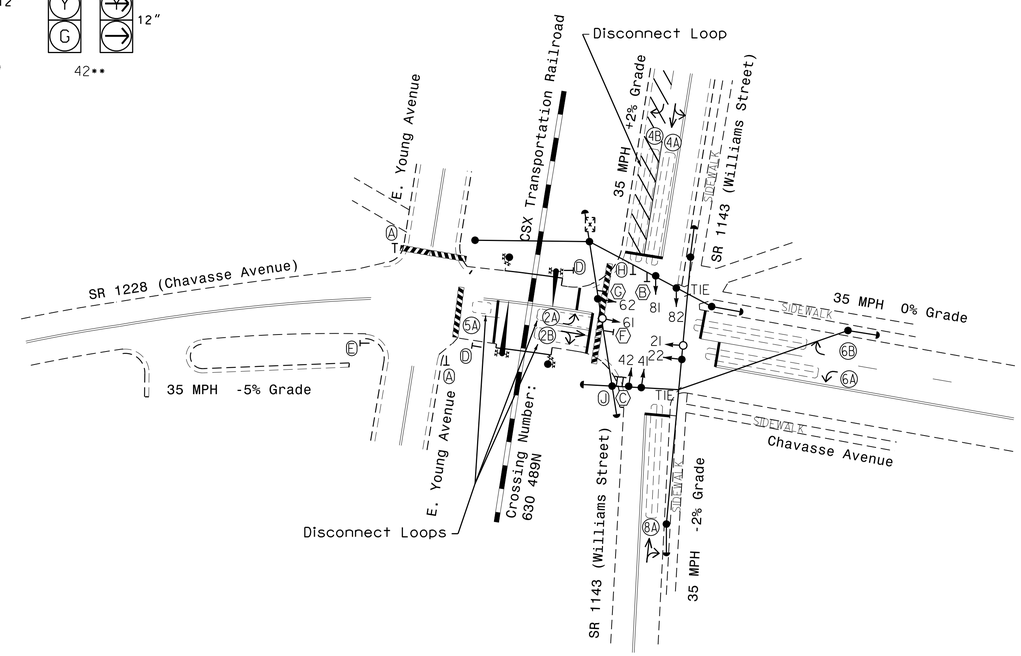
TABLE OF OPERATION			
SIGNAL FACE	PHASE		
	06	04+8	FLASH
41, 42	R	G	Y
61, 62	G	R	R
81, 82	R	G	Y

SIGNAL FACE I.D.

All Heads L.E.D.
* See Note #4
** See Note #5



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	6X35	+6	EXIST	-	DISCONNECT LOOP							
2B	6X35	+6	EXIST	-	DISCONNECT LOOP							
4A	6X60	+5	EXIST	-	4	Y	Y	-	-	-	-	-
4B	6X60	+5	EXIST	-	DISCONNECT LOOP							
5A	6X10	60	EXIST	-	DISCONNECT LOOP							
6A	6X60	+5	EXIST	-	6	Y	Y	-	-	-	-	-
6B	6X60	+5	EXIST	-	6	Y	Y	-	-	-	-	-
8A	6X60	+5	EXIST	-	8	Y	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. Bag and disconnect heads 21 and 22 during temporary pattern.
5. Bag and disconnect yellow and green right turn arrows for head 42 during temporary pattern.
6. Bag and disconnect blankout signs H and J during temporary pattern.
7. Pavement markings are existing.
8. Program controller to start up in phase 4+8.

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	Railroad Cantilever	
N/A	Railroad Gate and Flasher	
N/A	Railroad Tracks	
A	"STOP" Sign (R1-1)	A
B	No Left Turn Sign (R3-2)	B
C	No Right Turn Sign (R3-1)	C
D	"DO NOT STOP ON TRACKS" Sign (R8-8)	D
E	"DO NOT BLOCK INTERSECTION" Sign (R10-7)	E
F	Left Arrow "ONLY" Sign (R3-5L)	F
G	Right Arrow "ONLY" Sign (R3-5R)	G
H	"NO LEFT TURN - TRAIN" LED Blankout Sign	H
J	"NO RIGHT TURN - TRAIN" LED Blankout Sign	J

OASIS 2070 TIMING CHART			
FEATURE	PHASE		
	4	6	8
Min Green 1 *	10	7	10
Extension 1 *	2.0	2.0	2.0
Max Green 1 *	15	25	15
Yellow Clearance	3.7	3.0	4.0
Red Clearance	1.4	1.6	1.2
Red Revert	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	MIN RECALL	-	MIN RECALL
Vehicle Call Memory	-	-	-
Dual Entry	-	-	-
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.

This plan supersedes the plan sealed on 4/9/14.

Signal Upgrade - Temporary Design

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

SCALE 0 40 1"=40'

SR 1228 (Chavasse Avenue) at SR 1143 (Williams Street)

Division 5 Vance County Henderson

PLAN DATE: March 2015 REVIEWED BY:
PREPARED BY: C.E. Carter REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036833 ENGINEER RYAN W. HOUGH
DocuSigned by: Ryan W. Hough 3/30/2015
E3D33DF4AD8B4C5...
DATE
SIG. INVENTORY NO. 05-0453T

30-MAR-2015 09:39
S:\TTSAGLMTS\Signals\Signal Design Section\Central Region\Div 5\Chavasse Ave\05-0453\05-0453_sig_dsn_2015mmdd.dgn
rwhough