

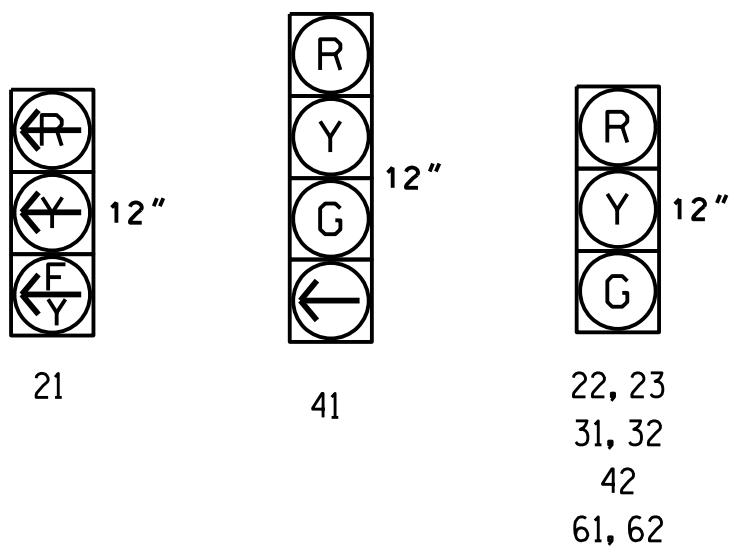
The diagram shows three states in circles, labeled 2+6, 3, and 4. State 2+6 has 6 outgoing transitions (labeled 1-6), state 3 has 3, and state 4 has 4. Transitions are labeled with 1, 2, 3, 4, 5, 6.

SIGNAL FACE	PHASE			
	2 + 6	3	4	FLASH
21	F	R	R	R
22,23	G	R	R	R
31,32	R	G	R	R
41	R	R	<u>G</u>	R
42	R	R	G	R
61,62	G	R	R	R

DETECTOR					PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CARD
2C	6X40	+5	*	*	2	YES	-	-	-	N	-	*
3A	6X40	+5	*	*	3	YES	-	3	-	N	-	*
3B	6X40	+5	*	*	3	YES	-	15	-	N	-	*
4A	6X40	+5	*	*	4	YES	-	-	-	N	-	*
4B	6X40	+5	*	*	4	YES	-	15	-	N	-	*

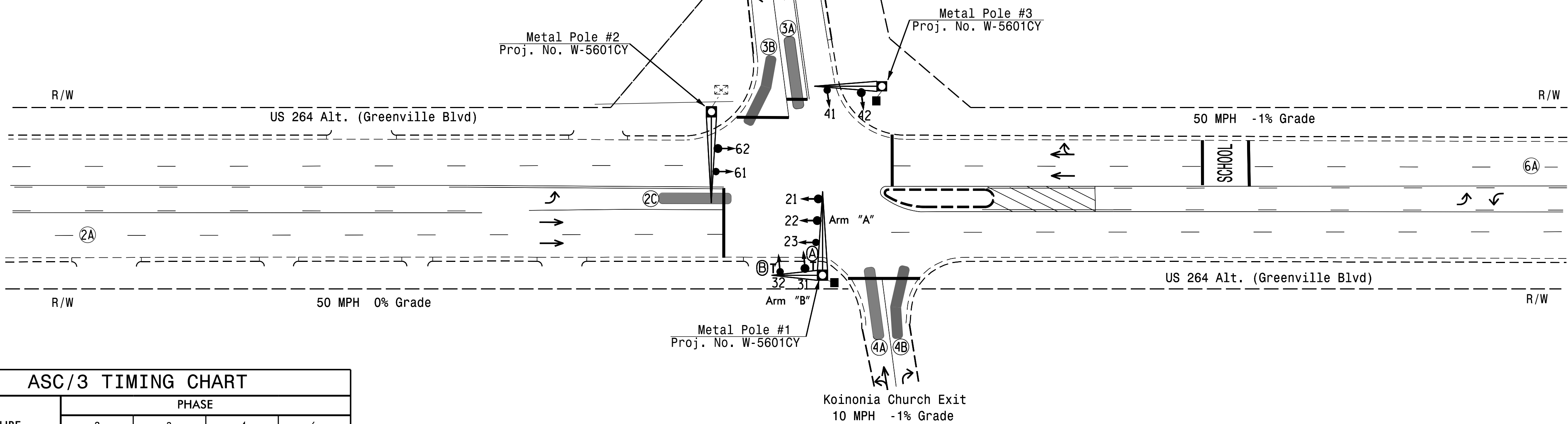
* Microwave Detection Zone

All Heads L.E.D.



MICROWAVE DETECTION				
	2A		6A	
FUNCTION	Sensor 1		Sensor 2	
Channel	1		1	
Phase	2		6	
Direction of Travel	EB		WB	
Type	Priority		Priority	
Level	2	QUEUE	2	QUEUE
Discovery Zone (ft)	<750	-	<750	-
Range (ft)	600-100	150-100	600-100	150-100
Enable Speed	Y	Y	Y	Y
Speed Range (mph)	35-100	1-35	35-100	1-35
Enable Estimated Time of Arrival	Y	N	Y	N
Estimated Time of Arrival (sec)	2.5-6.5	-	2.5-6.5	-

	DETECTED MOVEMENT
	UNDETECTED MOVEMENT (OVERLAP)
	UNSIGNALIZED MOVEMENT
	PEDESTRIAN MOVEMENT



FEATURE	PHASE			
	2	3	4	6
Min Green *	14	7	7	14
Walk *	0	0	0	0
Ped Clear	0	0	0	0
Veh. Extension *	2.0	2.0	2.0	2.0
Max 1 *	60	20	20	60
Yellow	4.9	3.8	3.0	4.9
Red Clear	1.3	2.1	4.4	1.3
Actuations B4 Add *	-	-	-	-
Seconds / Actuation *	-	-	-	-
Max Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Locking Detector	X	-	-	X
Recall Position	VEH. RECALL	-	-	VEH. RECALL
Dual Entry	-	-	-	-
Simultaneous Gap	X	X	X	X

RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926-4100

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	
	Microwave Detection Zone	
	Controller & Cabinet	
	Junction Box	
	Oversized Junction Box	
	Type II Signal Pedestal	
	Metal Pole with Mastarm	
	2-in Underground Conduit	
	Directional Drill	N/A
N/A	Right of Way	
	Directional Arrow	

PROPOSED	EXISTING
(A) Left Arrow "ONLY" Sign (R3-5L)	(A)
(B) Right Arrow only "ONLY" Sign (R3-5R)	(B)

Prepared In the Offices of:  750 N. Greenfield Pkwy, Garner, NC 27529	US 264 Alt. (Greenville Blvd) at SR 1135 (William Rd)/ Koinonia Church Exit	SEAL 																		
DIVISION 2 PITT COUNTY GREENVILLE																				
PLAN DATE: <u>June 2025</u>		REVIEWED BY: <u>S.G. Haynie</u>																		
PREPARED BY: <u>A.M. Kollar</u>		REVIEWED BY: _____																		
SCALE 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">REVISONS</th> <th style="width: 25%;">INIT.</th> <th style="width: 25%;">DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		REVISONS	INIT.	DATE															
REVISONS	INIT.	DATE																		
0 40 1" = 40'		Designed by: <u>Steven G. Haynie</u> 7/15/2025 _____ DATE																		
03332: _____		03332: _____																		
SIG. INVENTORY NO. <u>02-0910</u>		SIG. INVENTORY NO. <u>02-0910</u>																		