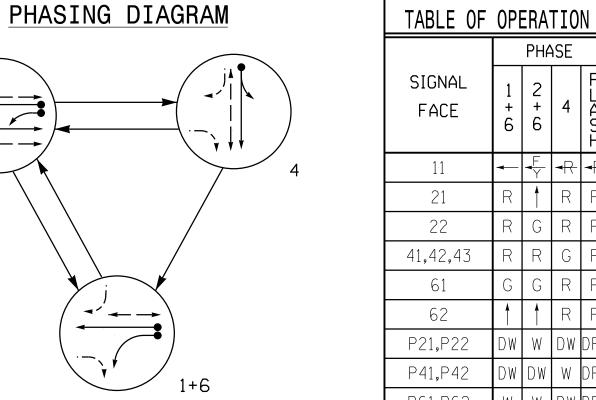
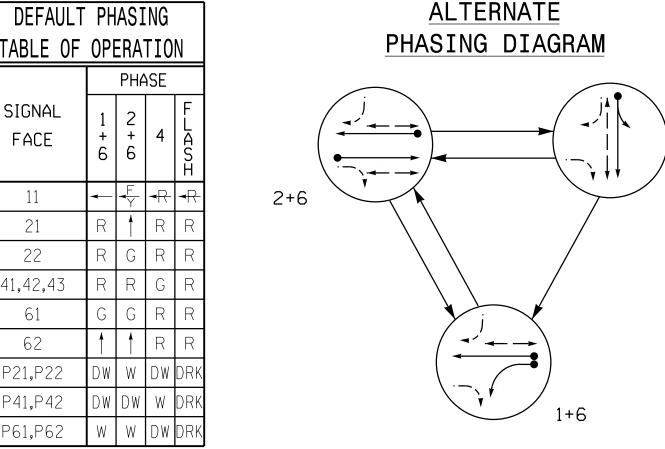


2+6





PHASING DIAGRAM DETECTION LEGEND

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

DETECTED MOVEMENT

 $\leftarrow -->$ PEDESTRIAN MOVEMENT

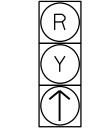
ALTERNATE ASING DIAGRAM	ALTERNATE PHASI					
		PHASE				
	SIGNAL FACE	1 + 6	2 + 6	4	FLACIF	
4	11	-		→ R	4	
	21	R	1	R	F	
	2:2	R	G	R	F	
	41,42,43	R	R	G	F	
	61	G	G	R	F	
	62	1	1	R	F	
	P21 , P22	DW	W	DW	DF	
1+6	P41,P42	DW	DW	W	DF	
110	P61,P62	W	W	DW	DF	

DETECTOR				INSTALLATION CHART PROGRAMMING									
LOOP / ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CARD	
1A 6X:40	0	2-1-2	2-4-2	X	1	Yes	-	15.0*	-	N	-	Χ	
174	0 0 0 0 0			2-4-2	2-4-2	^	6#	Yes	-	3:0	ı	G	H
2A/S1	6X6	300	5	X	2	Yes	-	-	Χ	N	Χ	Χ	
4·A	6X·40	0	2-4-2	X	4	Yes	-	-	-	N	-	Χ	
6·A	6X6	300	**	**	6	Yes	-	-	Χ	N	-	**	

** Multizone Microwave Detection. *Disable delay during Alternate Phasing operation. #Disable phase call for loop during Alternate Phasing operation.

SIGNAL FACE I.D.

All Heads L.E.D.



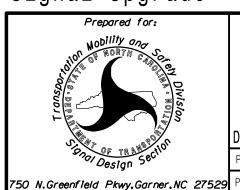




P21,P22 P41,P42 P61,P62 MetalPole #1 Case #: S35L1 MetalPole #2 Case #: S35L1 STA.-L- 50+39 +/-59'+/- LT STA.-L- 48+77 +/-56'+/- LT 45 MPH -1% Grade 21 - 0 NC 62 (Liberty Road) MetalPole #3 Case #: \$35L1 STA.-L- 50+37 +/-Case #: S35L1 STA.-L- 48+71 +/-51'+/- RT 57′ +/- RT

ASO	C/3 TI	MING C	HART					
	PHASE							
FEATURE	1	2	4	6				
Min Green *	7	12	7	12				
Delayed Green	-	7	-	-				
Walk *	I	14	7	7				
Ped Clear	1	11	12	4				
Veh. Extension *	2.0	6.0	2.0	6.0				
Max 1 *	20	90	30	90				
Yellow	3.0	4.6	3.8	4.6				
Red Clear	2.4	1.0	1.8	1.0				
Actuations B4 Add *	-	-	-	-				
Seconds /Actuation *	-	2.5	-	2.5				
Max Initial *	-	34	-	34				
Time Before Reduction *	_	15	-	15				
Time To Reduce *	-	30	-	30				
Minimum Gap	-	3.0	-	3.0				
Locking Detector	-	X	-	X				
Recall Position	-	VEH RECALL	-	VEH RECALL				
Dual Entry	-	-	-	-				
Simultaneous Gap	Χ	X	Χ	X				

* 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 Upgrade - Final Design



NC 62 (Liberty Road)

PROJECT REFERENCE NO.

U-6018

3 Phase

Fully Actuated

(High Point Signal System)

NOTES

"Standard Specifications for Roads and Structures" dated

2. Do not program signal for late night flashing operation unless

5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.

7. The City Traffic Engineer will determine the hours of use for each

8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

6. Program pedestrian heads to countdown the flashing "DON'T WALK" time only.

LEGEND

Traffic Signal Head

Modified Signal Head

Sign

Pedestrian Signal Head

Signal Pole with Guy Signal Pole with Sidewalk Guy

Metal Strain Pole

Inductive Loop Detector Controller & Cabinet

Junction Box

Oversized Junction Box

2-in Underground Conduit

Right of Way Directional Arrow

Type I Pushbutton Post

Type II Signal Pedestal Guardrail

> Curb Ramp Directional Drill

"YIELD" Sign (R1-2) No Right Turn Sign (R3-1)

No U-Turn / No Left Turn Sign (R3-18)

Pedestrian Crossing Sign (W11-2) With Downward Diagonal Arrow Plaque (W16-7p)

Non-Intrusive Detection Zone

EXISTING

N/A

N/A

DOCUMENT NOT CONSIDERED

SEAL

FINAL UNLESS ALL SIGNATURES COMPLETED

otherwise directed by the Engineer.

4. Set all detector units to presence mode.

January 2024.

3. Phase 1 may be lagged.

phasing plan

PROPOSED

 \bigcirc

O->

N/A

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and

Sig-5.0

Archdale REVIEWED BY: ZM Esposito RKA PROJ. NO: 17380 (040)

I-85 Southbound Ramps Division 7 Guilford County

PLAN DATE: March 2025

DRMP, INC.
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CHARLOTTE, NC 28262
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SEAL 054155 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: AW POOle Jachary M. Esposito/17/2025 1"=40' SIG. INVENTORY NO. 07-2090

®DRMP