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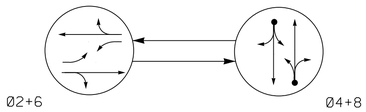
PROJECT REFERENCE NO.	SHEET NO.
R-5020B	Sig. 20.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE Ø2+6	PHASE Ø4+8	FLASH
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R

ASC/3 DETECTOR INSTALLATION CHART

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
4A	6X60	0	2-4-2	-	4	Yes	-	10	-	N	-	-
8A	6X60	0	2-4-2	-	8	Yes	-	10	-	N	-	-
S5	6X6	+105	EXIST	-	-	No	-	-	-	N	X	-
S6	6X6	+105	EXIST	-	-	No	-	-	-	N	X	-

2 Phase
Semi-Actuated
System #10605

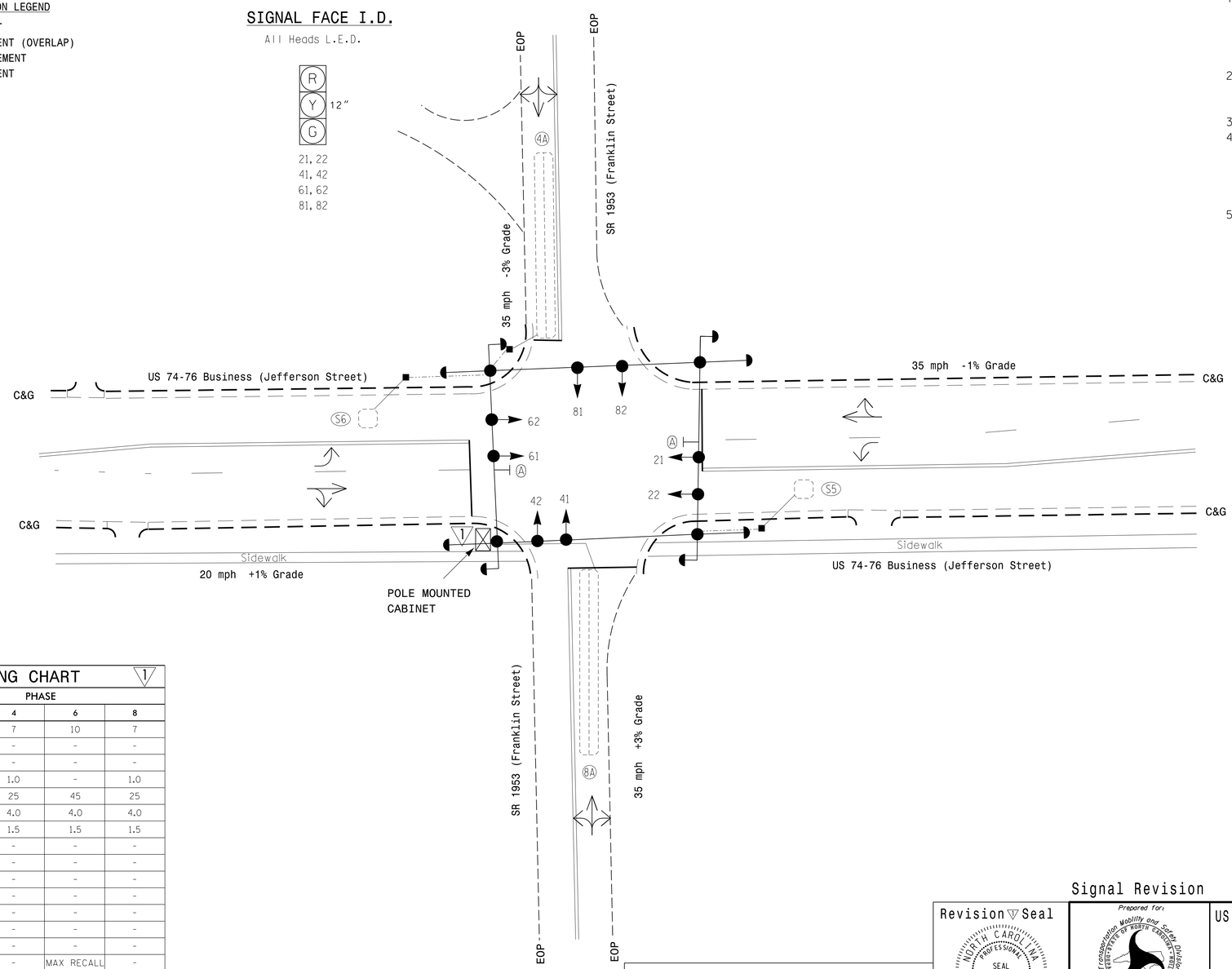
NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Pavement markings are existing.
4. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
5. Set all detector units to presence mode.

SIGNAL FACE I.D.

All Heads L.E.D.

21, 22
41, 42
61, 62
81, 82



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	
A	Left Arrow "ONLY" Sign (R3-5L)	A

ASC/3 TIMING CHART

FEATURE	PHASE 2	PHASE 4	PHASE 6	PHASE 8
Min Green *	10	7	10	7
Walk *	-	-	-	-
Ped Clear	-	-	-	-
Veh. Extension *	-	1.0	-	1.0
Max 1 *	45	25	45	25
Yellow	4.0	4.0	4.0	4.0
Red Clear	1.5	1.5	1.5	1.5
Actuations B4 Add *	-	-	-	-
Seconds /Actuation *	-	-	-	-
Max Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Locking Detector	-	-	-	-
Recall Position	MAX RECALL	-	MAX RECALL	-
Dual Entry	-	X	-	X
Simultaneous Gap	X	X	X	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.

5/15/2020
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USER:MCapile

SEPI
Engineering & Construction, Inc.
1 Glenwood Avenue
Raleigh, NC 27603
Tel:919.789.9977
Fax:919.789.9591
License: C-2197

Revision Seal

NORTH CAROLINA PROFESSIONAL SEAL 14543 ENGINEER GENE B. MURRY, JR.

DocuSigned by: Gene B. Murry Jr.
5/15/2020
SIGNATURE DATE

Signal Revision

Prepared for: Transportation Mobility and Safety Division, State of North Carolina, Department of Transportation, Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

SCALE 0 20 1"=20'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

US 74-76 Business (Jefferson Street)
at
SR 1953 (Franklin Street)

Division 6 Columbus County Whiteville

PLAN DATE: July 2003 REVIEWED BY: R.J. Ziemba
PREPARED BY: Carter/Hambright REVIEWED BY:

REVISIONS	INIT.	DATE
Controller changed to ASC/3 with new cabinet	GGM	05/15/20

SEAL
Not a certified document.
This document originally issued and sealed by Timothy J.Williams,P.E. no.24393 on (11/04/03)
This document shall not be considered a certified document.

SIGNATURE DATE
SIG. INVENTORY NO. 06-0114