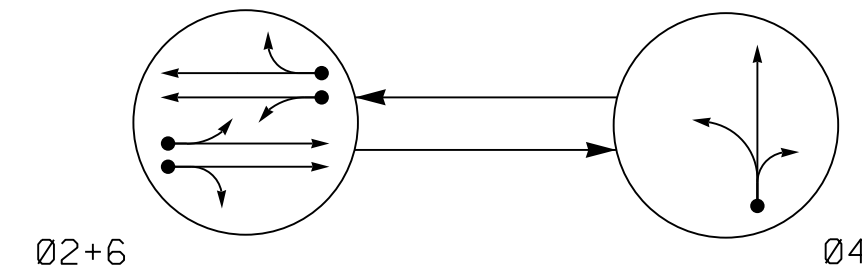


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

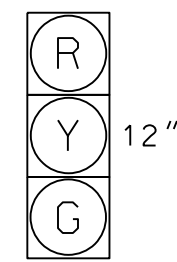
- ← DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ← --- → PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04	FLASH
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.



21, 22
41, 42
61, 62

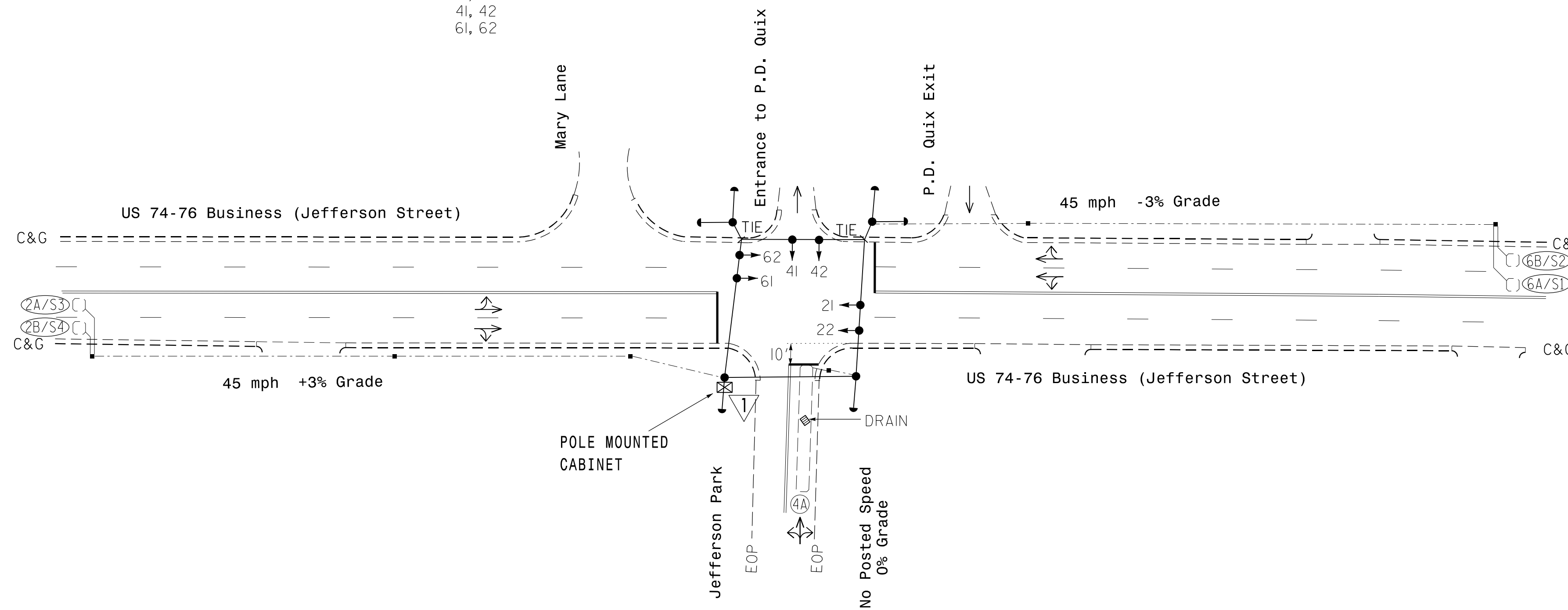
ASC/3 DETECTOR INSTALLATION CHART

DETECTOR		PROGRAMMING										
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	LOOP SYSTEM	LOOP NEW CARD
2A/S3	6X6	300	EXIST	-	2	Yes	-	-	X	N	X	-
2B/S4	6X6	300	EXIST	-	2	Yes	-	-	X	N	X	-
4A	6X60	0	EXIST	-	4	Yes	-	10	-	N	-	-
6A/S1	6X6	300	EXIST	-	6	Yes	-	-	X	N	X	-
6B/S2	6X6	300	EXIST	-	6	Yes	-	-	X	N	X	-

2 Phase Fully Actuated System #10605

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Pavement markings are existing, unless otherwise shown on plan.
- Remove existing crosswalk and pedestrian signal heads.
- Reposition existing signal heads numbered 41 and 42.
- Set all detector units to presence mode.
- Maximum times shown in timing chart are for free run operation only. Coordinated signal system timing values shall supersede these values.



ASC/3 TIMING CHART

FEATURE	PHASE		
	2	4	6
Min Green *	12	7	12
Walk *	-	-	-
Ped Clear	-	-	-
Veh. Extension *	6.0	1.0	6.0
Max I *	90	20	90
Yellow	4.7	4.0	4.7
Red Clear	1.5	1.5	1.5
Actuations B4 Add *	0	-	0
Seconds / Actuation *	1.8	-	1.8
Max Initial *	34	-	34
Time Before Reduction *	15	-	15
Time To Reduce *	45	-	45
Minimum Gap	3.0	-	3.0
Locking Detector	X	-	X
Recall Position	VEH. RECALL	-	VEH. RECALL
Dual Entry	-	-	-
Simultaneous Gap	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.

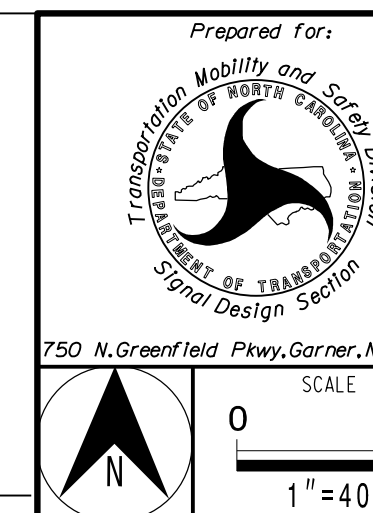
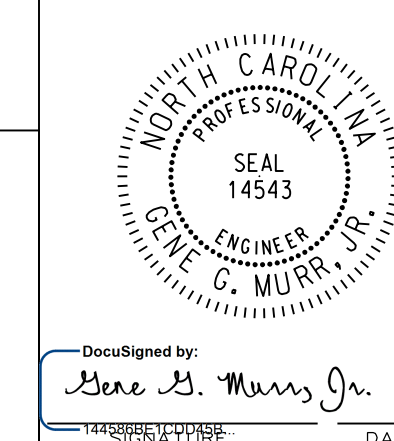
LEGEND

- | PROPOSED | EXISTING |
|--|-----------------------------------|
| ○ → Traffic Signal Head | ● → N/A |
| ● → Modified Signal Head | - Sign |
| ⊥ Pedestrian Signal Head With Push Button & Sign | ⊥ Signal Pole with Guy |
| ○ ⊥ 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 | → |

Signal Revision

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Revision Seal



US 74-76 Business (Jefferson Street) at Jefferson Park

Division 6	Columbus County	Whiteville
PLAN DATE: August 2003	REVIEWED BY:	
PREPARED BY: C.E. Carter	REVIEWED BY:	
REVISIONS	INIT.	DATE
Controller changed to ASC/3 with new cabinet.	CGM	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.

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5/15/2020 10:00:00 AM USER:MCDDP/E