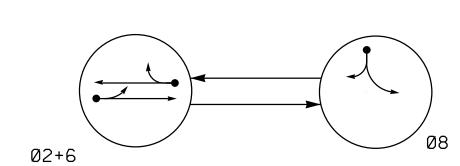
#### PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

← − → PEDESTRIAN MOVEMENT

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

TABLE OF C	PER	ATI	ON
	Р	HAS	E
SIGNAL FACE	Ø 2+6	000	FLGOI
21, 22	G	R	Υ
61, 62	G	R	Y
81, 82	R	G	R

US 276 (Walnut Street)

# SIGNAL FACE I.D.

All Heads L.E.D.

R Y 12"
---------------

_	
21,	22
61,	62
81,	82

## MAXTIME DETECTOR INSTALLATION CHART

DETECTOR				PROGRAMMING								
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
2A	6X6	70	*	*	2	-	-	Χ	_	Χ	_	*
6A	6X6	70	*	*	6	-	-	Χ	-	Χ	-	*
8A	6X40	0	*	*	8	10	-	Χ	-	Χ	÷	*

\* Multizone Microwave Detection.

61

### 2 Phase Fully Actuated D14-12\_Waynesville

### **NOTES**

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Reposition existing heads numbered 21, 22, 61 and 62.
- 4. Remove existing No Right Turn sign and existing No Left Turn sign.
- 5. Set all detector units to presence mode.
- 6. See traffic control plans for stop bar and crosswalk locations.
- 7. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

<u>LEGEND</u>

Traffic Signal Head

Modified Signal Head

Sign

Pedestrian Signal Head With Push Button & Sign

Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector Controller & Cabinet Junction Box

Right of Way Directional Arrow Microwave Detection Zone

Construction Zone

Construction Zone Drums

Type II Barricade

No Right Turn Sign (R3-1)

No Left Turn Sign (R3-2)

----- 2-in Underground Conduit

———PUE — Permanent Utility Easement

<u>EXISTING</u>

**-**

N/A

N/A

N/A

N/A

N/A

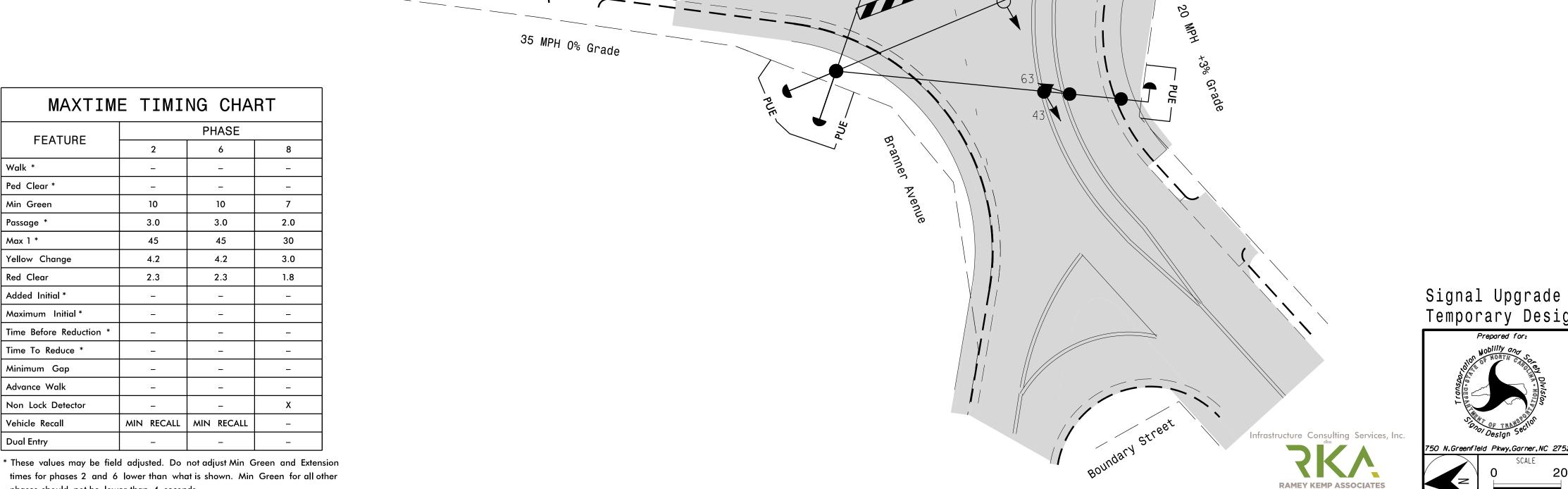
 $^{\odot}$ 

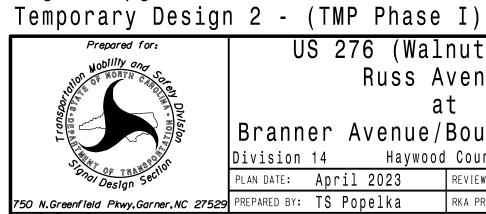
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

- 8. Bag and disconnect existing heads 41, 42, 43, 63, P61, and P62.
- 9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

MAXTIM	E TIMI	NG CHA	RT		
FEATURE	PHASE				
PEATURE	2	6	8		
Walk *	ı	_	ı		
Ped Clear *	ı	_	I		
Min Green	10	10	7		
Passage *	3.0	3.0	2.0		
Max 1 *	45	45	30		
Yellow Change	4.2	4.2	3.0		
Red Clear	2.3	2.3	1.8		
Added Initial *	_	_	_		
Maximum Initial *	_	_	_		
Time Before Reduction *	_	_	_		
Time To Reduce *	_	_	_		
Minimum Gap	_	_	_		
Advance Walk	_	_	_		
Non Lock Detector	_	_	Х		
Vehicle Recall	MIN RECALL	MIN RECALL	_		
Dual Entry	_	_	_		

\* 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.





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US 276 (Russ Avenue)

US 276 (Walnut Street/ Russ Avenue)

**PROPOSED** 

N/A

Branner Avenue/Boundary Street Haywood County PLAN DATE: April 2023 REVIEWED BY: WJ Hamilton RKA PROJ. NO: 16085 (040) REVISIONS

Docusigned by:

William J. Hamilton

04/11/2023

DATE INIT. DATE SIG. INVENTORY NO. 14-0374T2