



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

December 12, 2024

Addendum No. 1

Contract No.: DA00638

WBS Element: 50973.3.15

Traffic Signal Construction at the Intersection of NC-168 and SR-1229 (Baxter Lane) in Moyock, Currituck County

To Whom It May Concern:

Reference is made to the proposal and plans previously furnished for this project.

The following revisions have been made to the plans:

Plan Sheet No. Sig. 1.0 was included within the plans by error. Please **delete** Plan Sheet No. Sig. 1.0 from the original plans provided for the project.

Sincerely,

DocuSigned by:
Mark S. Winslow
37ED002D8DDF4B4...

Mark S. Winslow
Division Contract Engineer

Cc: C. W. Bridgers, Jr., PE
R. K. Sawyer, PE
R. W. Midgett, PE
M. B. Gill, PE
B. N. Braswell, PE
D. B. Otts, PE
C. A. Spear, PE
B. Tatum
J. G. Davidson
M. R. Phillips

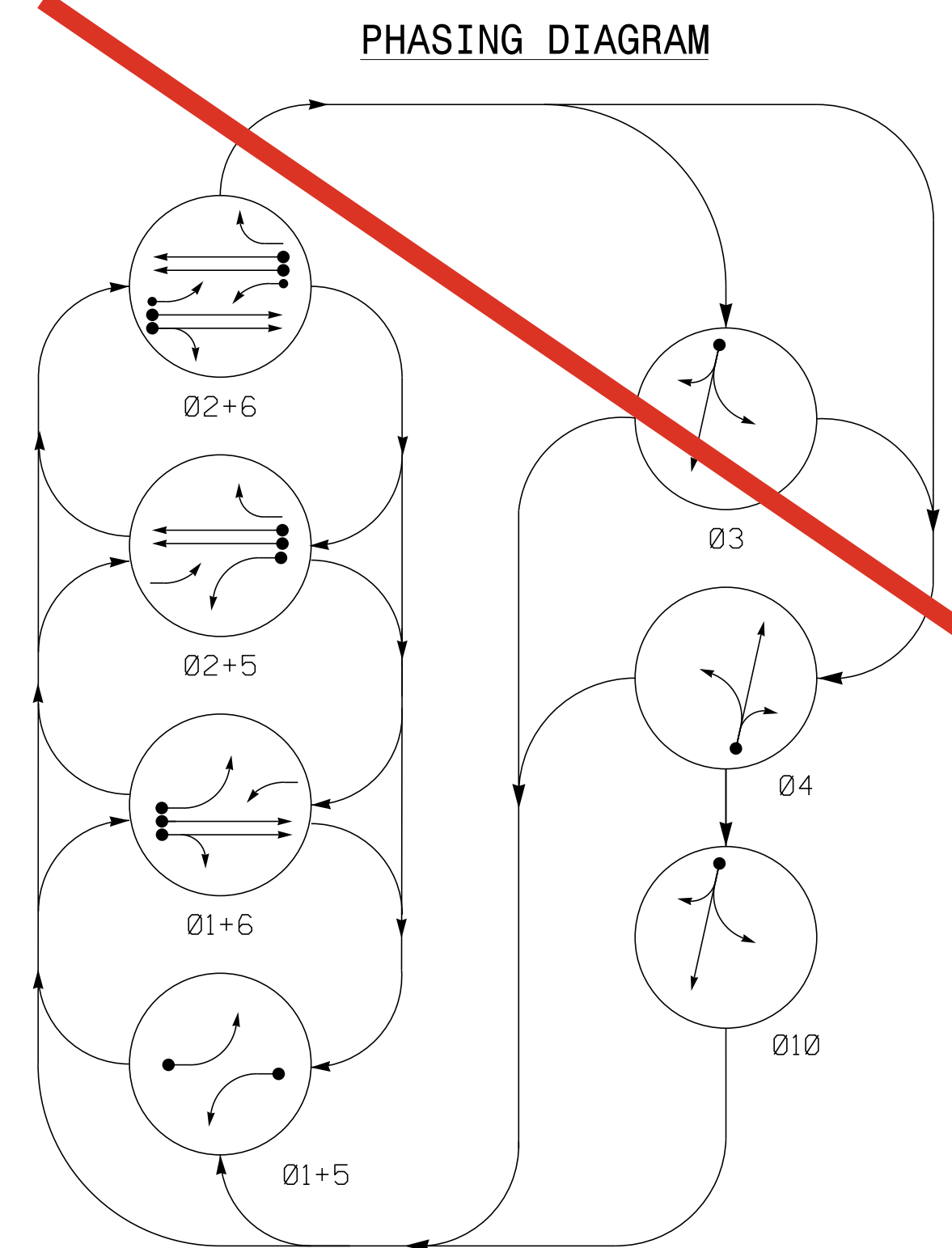
Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION ONE
113 AIRPORT DRIVE, SUITE 100
EDENTON, NC 27932

Telephone: (252) 482-1850
Fax: (252) 482-8722
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
113 AIRPORT DRIVE, SUITE 100
EDENTON, NC 27932

REVISED 12/11/2024



SIGNAL FACE I.D.

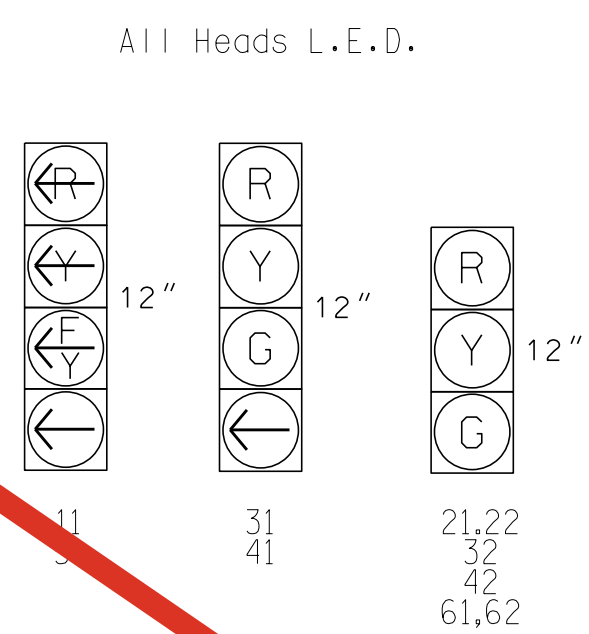


TABLE OF OPERATION

SIGNAL FACE	PHASE						
	01+5	01+6	02+5	02+6	03	04	10
11	←	←	←	←	←	←	←
21,22	R	R	G	G	R	R	Y
31	R	R	R	R	G	R	R
32	R	R	R	R	G	R	R
41	R	R	R	R	R	G	R
42	R	R	R	R	R	G	R
51	←	←	←	←	←	←	←
61,62	R	G	R	G	R	R	Y

MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR				PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	NEW CARD
1A	6X40	0	*	X	1	15	-	X	-	X	-
3A	6X40	0	*	X	3/10	5	-	X	-	X	-
4A	6X40	0	*	X	4	5	-	X	-	X	-
5A	6X40	0	*	X	5	15	-	X	-	X	-
					2	3	-	X	-	X	-

* Multi-zone Microwave Detection

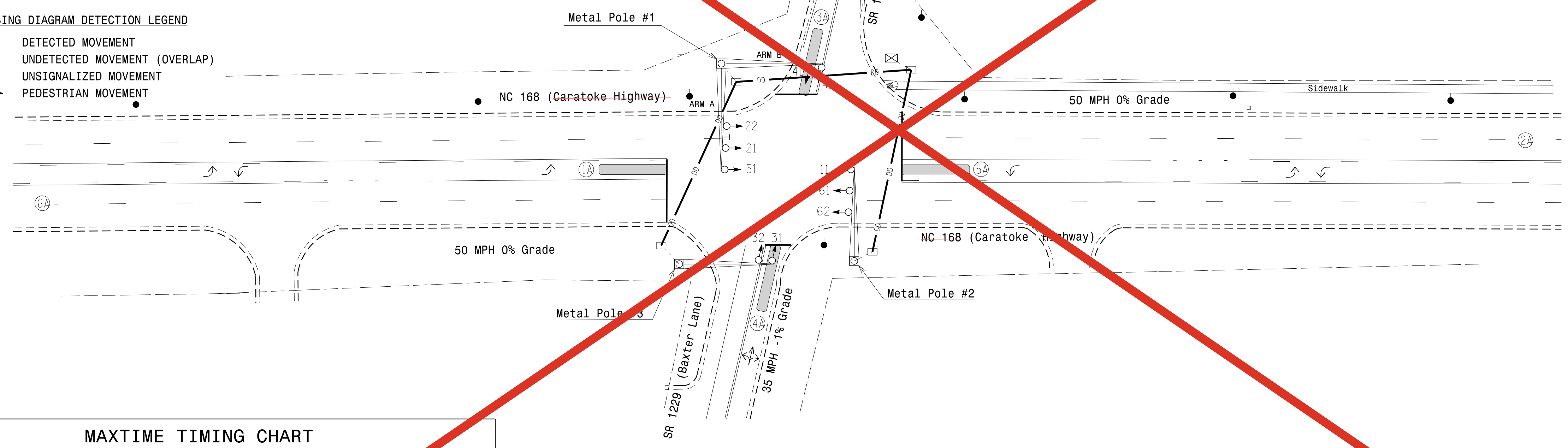
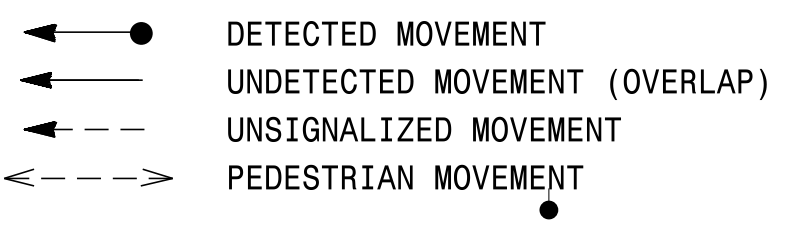
Radar Detection System		
FUNCTION	Sensor 2A	Sensor 6A
Channel	1	2
Phase	2	6
Direction of Travel	NB	SB
Detection Zone (ft)	100-600	100-600
Enable Speed	Y	Y
Speed Range (mph)	35-100	35-100
Enable Estimated Time of Arrival	Y	Y
Estimated Time of Arrival (sec)	1.0-6.5	1.0-6.5

6 Phase Fully Actuated D01-09 Moyoock NC 168 (Moyoock) CLS

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or 5 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

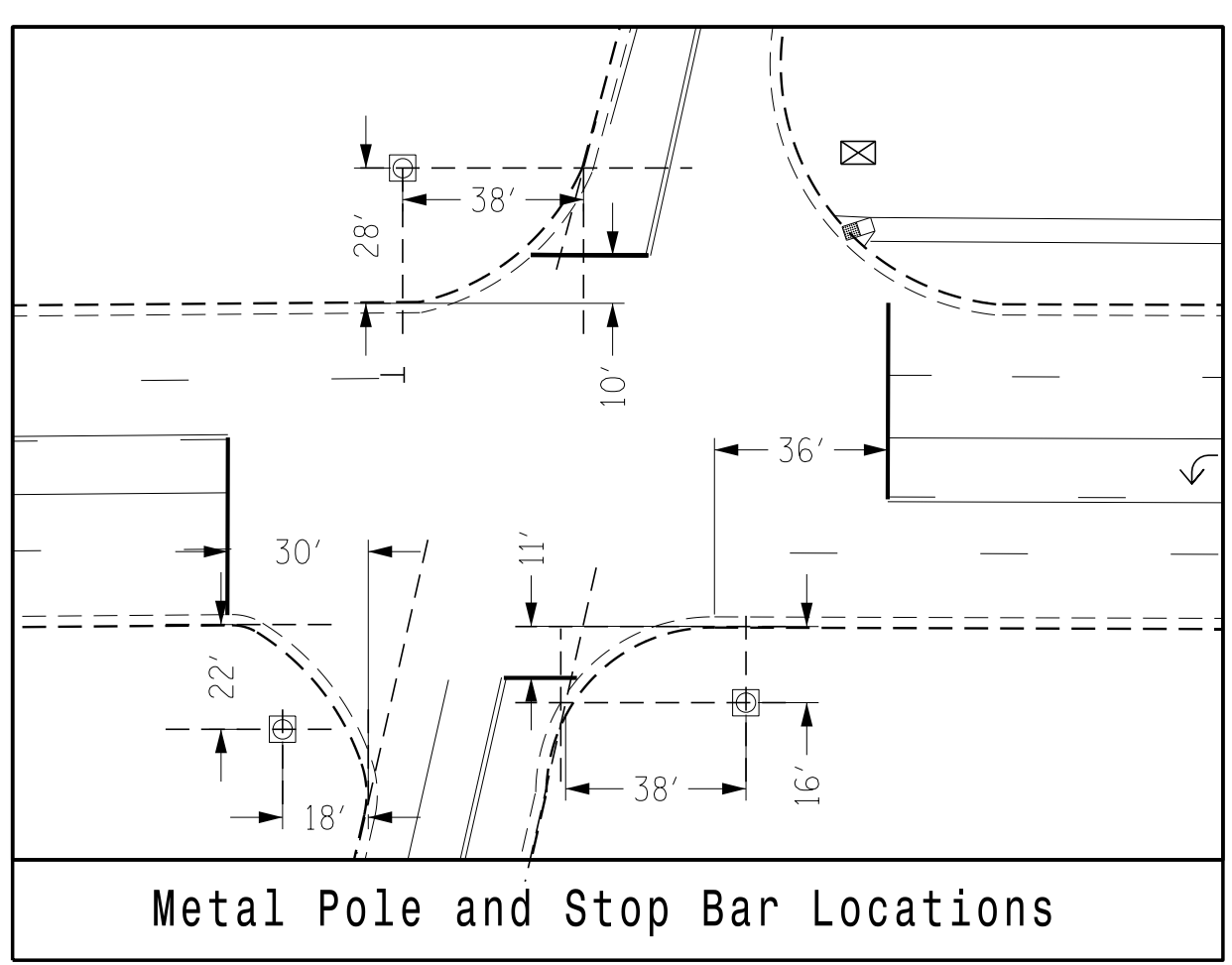
PHASING DIAGRAM DETECTION LEGEND



MAXTIME TIMING CHART

FEATURE	PHASE						
	1	2	3	4	5	6	10
Walk *	0	0	0	0	0	0	0
Ped Clear	0	0	0	0	0	0	0
Min Green *	7	14	7	7	7	14	7
Passage *	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Max 1 *	15	100	20	35	15	100	20
Yellow Change	3.0	4.8	4.6	3.9	3.0	4.8	4.6
Red Clear	3.2	1.4	1.7	1.7	3.1	1.4	1.3
Added Initial *	-	-	-	-	-	-	-
Maximum Initial *	-	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-	-
Advance Walk	-	-	-	-	-	-	-
Non Lock Detector	X	-	X	X	X	-	X
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.



LEGEND	
PROPOSED	EXISTING

New Installation

Prepared in the Offices of:

NC 168 (Caratoke Highway) at SR 1229 (Baxter Lane)
 Division 1 Currituck County Moyoock
 PLAN DATE: January 2024 REVIEWED BY: ZML
 PREPARED BY: KGP, Jr. REVIEWED BY: BMH
 750 N. Greenfield Pkwy, Garner, NC 27529
 SCALE: 1" = 40'
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
 SEAL: BAILEY HARDER, ENGINEER, 047646
 DATE: 05/07/2024
 SIG. INVENTORY NO. 01-0764

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