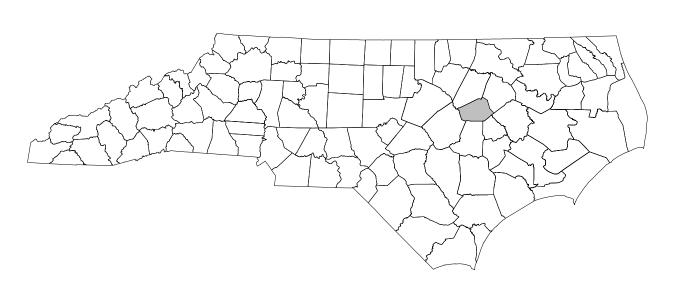
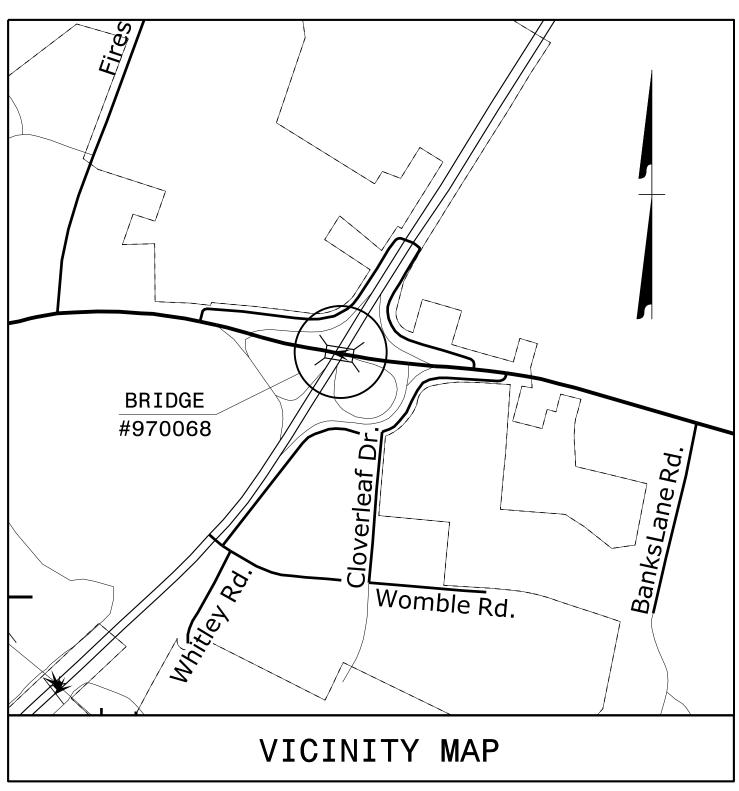
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

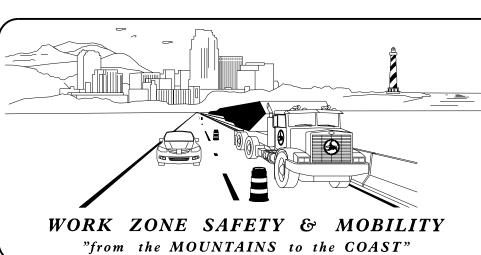
WILSON COUNTY





LOCATION: BRIDGE NO. 970068 OVER US 301 ON NC 42

TYPE OF WORK: BRIDGE JACKING AND BRIDGE PRESERVATION: SILANE DECK, BARRIER, AND GIRDER TREATMENT, BRIDGE DECK JOINT REPLACEMENT, SHOTCRETE, EPOXY INJECTION



PLANS PREPARED BY:

ALLA LYUDMIRSKAYA PROJECT DESIGN ENGINEER

> WILLIAM DEBREW DESIGN ENGINEER

KARMEN MILLER, PE



INDEX OF SHEETS

SHEET NO. TITLE TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS TMP - 1 TMP-1A LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND PAVEMENT MARKING SCHEDULE TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES) TMP-1B TMP-2 TEMPORARY TRAFFIC CONTROL PHASING NOTES TMP-3 NC-42 EB OFF-SITE DETOUR TMP-3A NC-42 WB OFF-SITE DETOUR US-301 NORTHBOUND STEP 3 TEMPORARY TRAFFIC TMP-4 THRU 7 CONTROL DETAIL

TMP-8 THRU 11 US-301 SOUTHBOUND STEP 4 TEMPORARY TRAFFIC

CONTROL DETAIL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

APPROVED: Larmer Miller
4F1D586C1BB149C... *DATE*: 09/30/2025 SEAL

NCDOT CONTACTS:

PROJECT MANAGER

TMP-1

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" -N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.

TITLE

1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	TRUCK MOUNTED ATTENUATOR
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)

PAVEMENT MARKING SCHEDULE

US-301 TEMPORARY PAVEMENT MARKING

(
(C2	20)
(-	- /

COLD APPLIED PLASTIC, TYPE IV (REM. TAPE), WHITE EDGELINE (6")



COLD APPLIED PLASTIC, TYPE IV (REM. TAPE), 3FT.-9FT/SP WHITE MINISKIP (6")

COLD APPLIED PLASTIC, TYPE IV (REM. TAPE), YELLOW EDGELINE (6")

US-301 FINAL PAVEMENT MARKING



 $({
m IM22})$ INTEGRATED MULTIPOLYMER (6", 90 MIL) 10 FT. WHITE SKIP

NC-42 FINAL PAVEMENT MARKING

(IM20) INTEGRATED MULTIPOLYMER (6", 90 MIL) WHITE EDGELINE

INTEGRATED MULTIPOLYMER (6", 90 MIL) WHITE SOLID LANE LINE

 $(exttt{IM23})$ INTEGRATED MULTIPOLYMER (6", 90 MIL) 3 FT.-9FT./SP WHITE MINISKIP

INTEGRATED MULTIPOLYMER (6", 90 MIL) YELLOW DOUBLE CENTER

(IM70) INTEGRATED MULTIPOLYMER (90 MIL) LEFT ARROW SYMBOL

LEGEND

GENERAL

DIRECTION OF TRAFFIC FLOW

DIRECTION OF PEDESTRIAN TRAFFIC FLOW

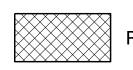
----- EXIST. PVMT.

───── NORTH ARROW

— PROPOSED PVMT.

TEMP. SHORING (LOCATION PURPOSES ONLY)

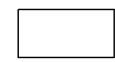
WORK AREA



REMOVAL



COMPLETED REHAB WORK



USER DEFINED (IF NEEDED)

SIGNALS







PAVEMENT MARKINGS

——EXISTING LINES ——TEMPORARY LINES

TRAFFIC CONTROL DEVICES

BARRICADE (TYPE III)

DRUM SKINNY DRUM O TUBULAR MARKER

PROJ. REFERENCE NO.

15BPR.143

TMP-1A

TEMPORARY CRASH CUSHION

FLASHING ARROW BOARD



FLAGGER



TRUCK MOUNTED ATTENUATOR (TMA)

CHANGEABLE MESSAGE SIGN

LAW ENFORCEMENT

TEMPORARY SIGNING

PORTABLE SIGN

├─ STATIONARY SIGN

STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

CRYSTAL/CRYSTAL

CRYSTAL/RED YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

PAVEMENT MARKING SYMBOLS

APPROVED: Larmer Miller DATE: ____09/30/2025 DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED



ROADWAY STANDARD DRAWINGS, LEGEND & PAVEMENT MARKING SCHEDULE

PROJ. REFERENCE NO.	SHEET NO.
15BPR.143	TMP-1B

MANAGEMENT STRATEGIES

1. USING LANE CLOSURES, (US-301, NC-42) AND ROAD CLOSURES (NC-42), COMPLETE BRIDGE JACKING AND ALL REQUIRED BRIDGE PRESERVATION WORK ON BRIDGE #970068 OVER US-301 ON NC-42.

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME

NC-42

DAY AND TIME RESTRICTIONS

MONDAY THRU FRIDAY 6:00 AM TO 8:00 AM

4:00 PM TO 6:00 PM

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME

NC-42

US-301

HOLIDAY

- 1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 AM DECEMBER 31st TO 10:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 10:00 PM THE FOLLOWING TUESDAY.
- 3. FOR EASTER, BETWEEN THE HOURS OF 6:00 AM THURSDAY AND 10:00 PM MONDAY.
- 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 10:00 PM TUESDAY.
- 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 10:00 PM THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 10:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.

6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY AND 10:00 PM TUESDAY.

GENERAL NOTES CONTINUED

- 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 AM TUESDAY TO 10:00 PM MONDAY.
- 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 10:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- D) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 5 FT OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 10 FT OF AN OPEN TRAVEL LANE ON A DIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL
 OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO
 THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED
 BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR
 EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- H) NOTIFY THE NCDOT STATEWIDE TRANSPORTATION OPERATIONS CENTER (STOC) AT 877-627-7862 APPROXIMATELY 30 MINUTES PRIOR TO INSTALLING AND WITHIN 15 MINUTES AFTER REMOVING LANE CLOSURES ON INTERSTATES, FREEWAYS, CONTROLLED ACCESS FACILITIES, AND US ROUTES.

TRAFFIC PATTERN ALTERATIONS

I) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- J) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- K) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

L) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

M) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

GENERAL NOTES CONTINUED

TRAFFIC CONTROL DEVICES

- N) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT 35 MPH EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- O) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

P) INSTALL TEMPORARY PAVEMENT MARKINGS ON US-301 AS FOLLOWS:

ROAD NAME	MARKING MARKING	
US-301	COLD APPLIED PLASTIC, TYPE IV (6")	N/A

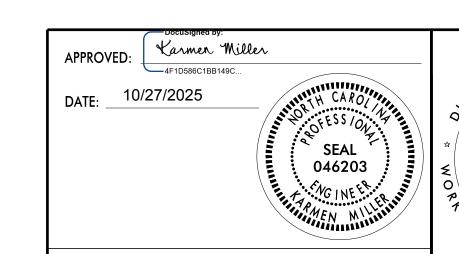
Q) INSTALL FINAL PAVEMENT MARKINGS AND FINAL PAVEMENT MARKERS AS FOLLOWS:

ROAD NAME	MARKING	MARKER
NC-42	INTEGRATED MULTIPOLYMER (6")	SNOWPLOWABLE
US-301	INTEGRATED MULTIPOLYMER (6") 10 FT. WHITE SKIP	N/A

- R) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- S) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS BY THE END OF EACH DAY'S OPERATION.

LOCAL NOTES

1. CONTRACTOR SHALL REVIEW AND RECORD THE EXISTING PAVEMENT MARKINGS AND MARKERS PRIOR TO CONSTRUCTION. USE THIS RECORD OF EXISTING PAVEMENT MARKINGS AND MARKERS ON US-301 IN CONJUNCTION WITH THE ROADWAY STANDARD DRAWINGS TO RE-ESTABLISH THE EXISTING PAVEMENT MARKINGS AND MARKERS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TRANSPORTATION OPERATION PLAN

PROJ. REFERENCE NO.	SHEET NO.
15BPR.143	TMP-2

PHASING NOTES

STEP 1:

- USING RSD 1101.01, (SHEET 2 OF 3), INSTALL WORK ZONE ADVANCE WARNING SIGNS ON US-301.
- USING RSD 1101.03, (SHEET 1 OF 9), INSTALL AND COVER OFF-SITE DETOUR SIGNS FOR CLOSURE OF NC-42. (SEE SHEETS TMP-3 AND TMP-3A)

STEP 2:

- USING RSD 1101.02, (SHEETS 1 AND 3 OF 9), MAY BEGIN PRESERVATION WORK OF BRIDGE #970068, INCLUDING SHOTCRETE.

STEP 3:

- UNCOVER DETOUR SIGNS INSTALLED IN STEP 1, AND DETOUR NC-42 TRAFFIC OFF-SITE. (SEE TMP-3 AND TMP-3A)

NOTES:

- 1. COMPLETE BRIDGE JACKING WORK ALONG ANY ONE DIRECTION OF US-301 SEPARATELY.
- 2. STEPS 4 AND 5 CAN BE REVERSED WITH APPROVAL OF THE ENGINEER.

ICT:

COMPLETE THE WORK IN STEPS 3 THRU 6 IN 120 CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 4:

- USING RSD 1101.02, (SHEET 3 OF 19), PERFORM THE FOLLOWING ON US-301 NB DIRECTION:
 - 1) INSTALL TEMPORARY PAVEMENT MARKINGS AND PLACE TRAFFIC IN TEMPORARY ONE-LANE PATTERN AS SHOWN ON SHEETS TMP-4 THRU TMP-7.
 - 2) COMPLETE BRIDGE JACKING WORK ABOVE NORTHBOUND DIRECTION.
 - 3) CONTINUE PRESERVATION WORK OF BRIDGE #970068
 - 4) RESTORE PAVEMENT MARKINGS AND PLACE TRAFFIC IN EXISTING PATTERN.

STEP 5:

- USING RSD 1101.02, (SHEET 3 OF 19), PERFORM THE FOLLOWING ON US-301 SB DIRECTION:
 - 1) INSTALL TEMPORARY PAVEMENT MARKINGS AND PLACE TRAFFIC IN TEMPORARY ONE-LANE PATTERN AS SHOWN ON SHEETS TMP-8 THRU TMP-11.
 - 2) COMPLETE BRIDGE JACKING WORK ABOVE SOUTHBOUND DIRECTION.
 - 3) CONTINUE PRESERVATION WORK OF BRIDGE #970068
 - 4) RESTORE PAVEMENT MARKINGS AND PLACE TRAFFIC IN EXISTING PATTERN.

STEP 6:

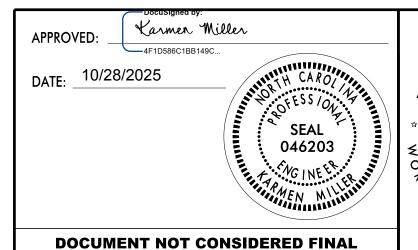
- AWAY FROM TRAFFIC, COMPLETE CONSTRUCTION OF BRIDGE APPROACHES. PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AND OPEN NC-42 TO TRAFFIC.

STEP 7:

- USING RSD 1101.02, (SHEETS 1 AND 3 OF 19), COMPLETE PRESERVATION WORK OF BRIDGE #970068.

STEP 8:

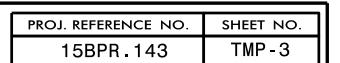
- REMOVE ALL TEMPORARY WORK ZONE TRAFFIC CONTROL SIGNS AND DEVICES.

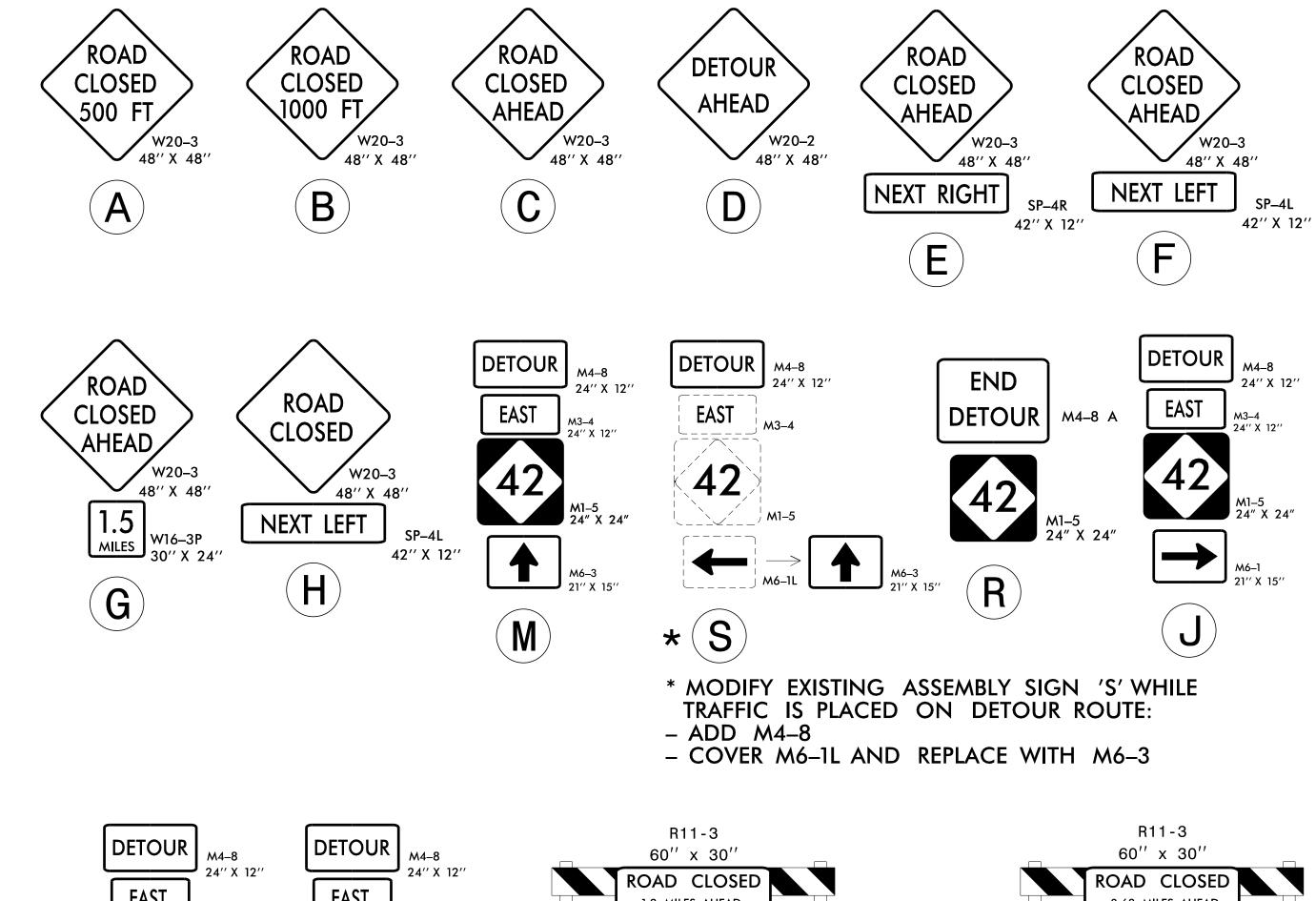


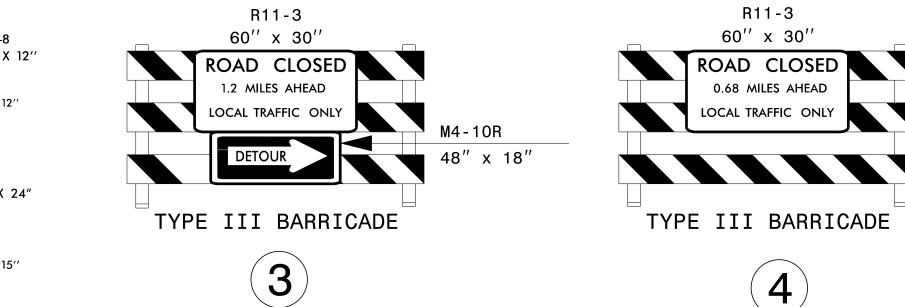
UNLESS ALL SIGNATURES COMPLETED

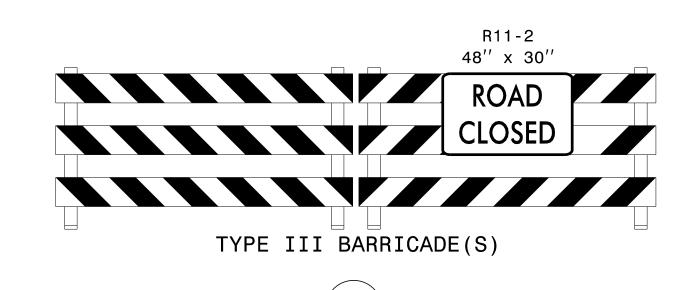


TEMPORARY TRAFFIC CONTOL PHASING NOTES









MESSAGE PRIOR TO CLOSURE:

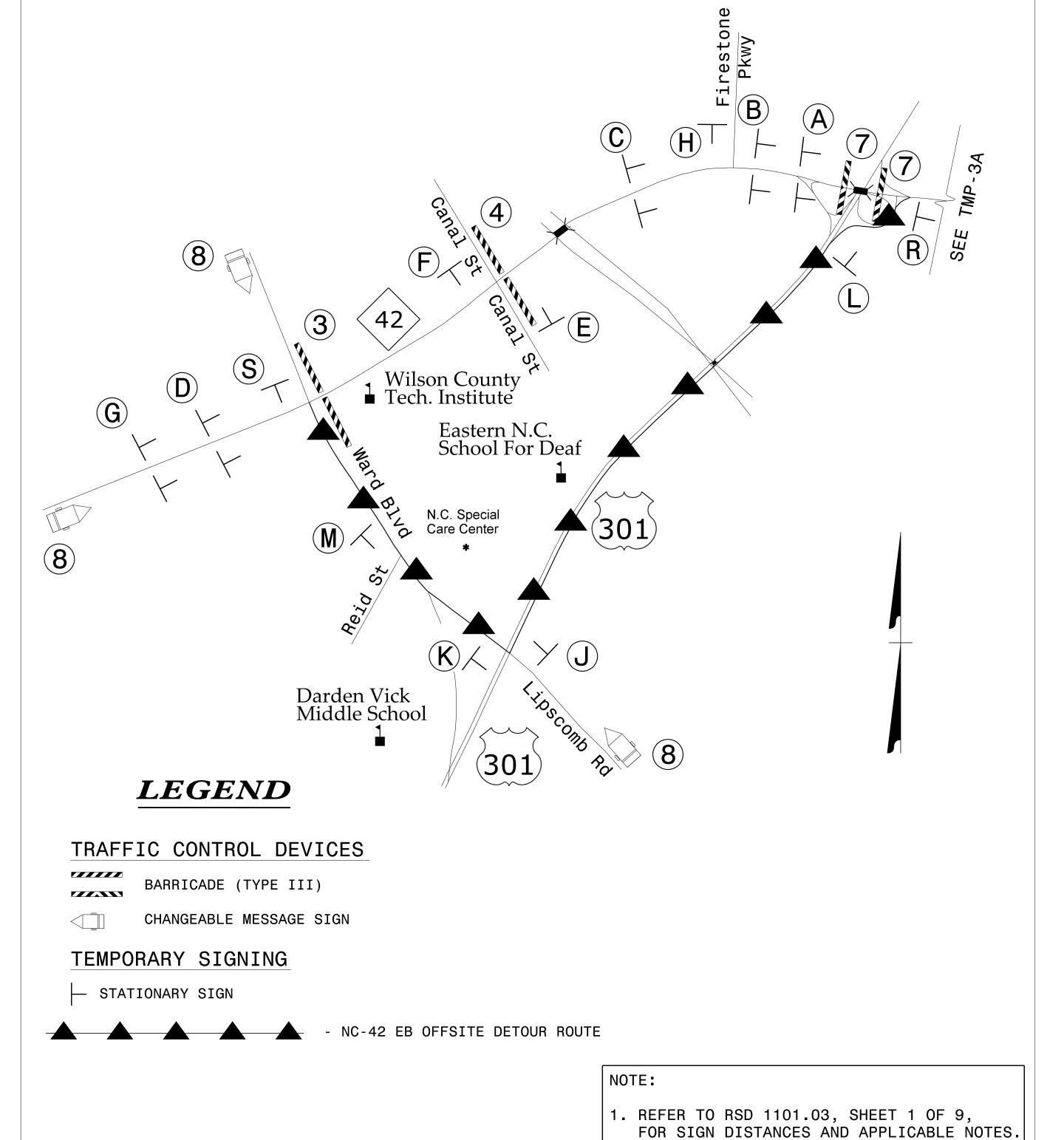
MESSAGE MESSAGE NO. 2 NO. 1 NC 42 STARTING WILL BE (DAY) CLOSED (TIME)

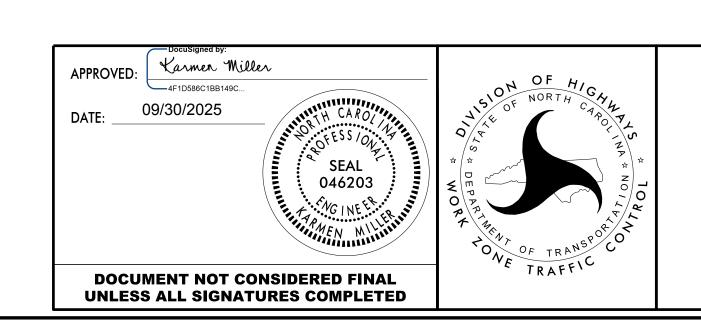
CHANGEABLE MESSAGE SIGN SIGN

MESSAGE DURING TO CLOSURE:

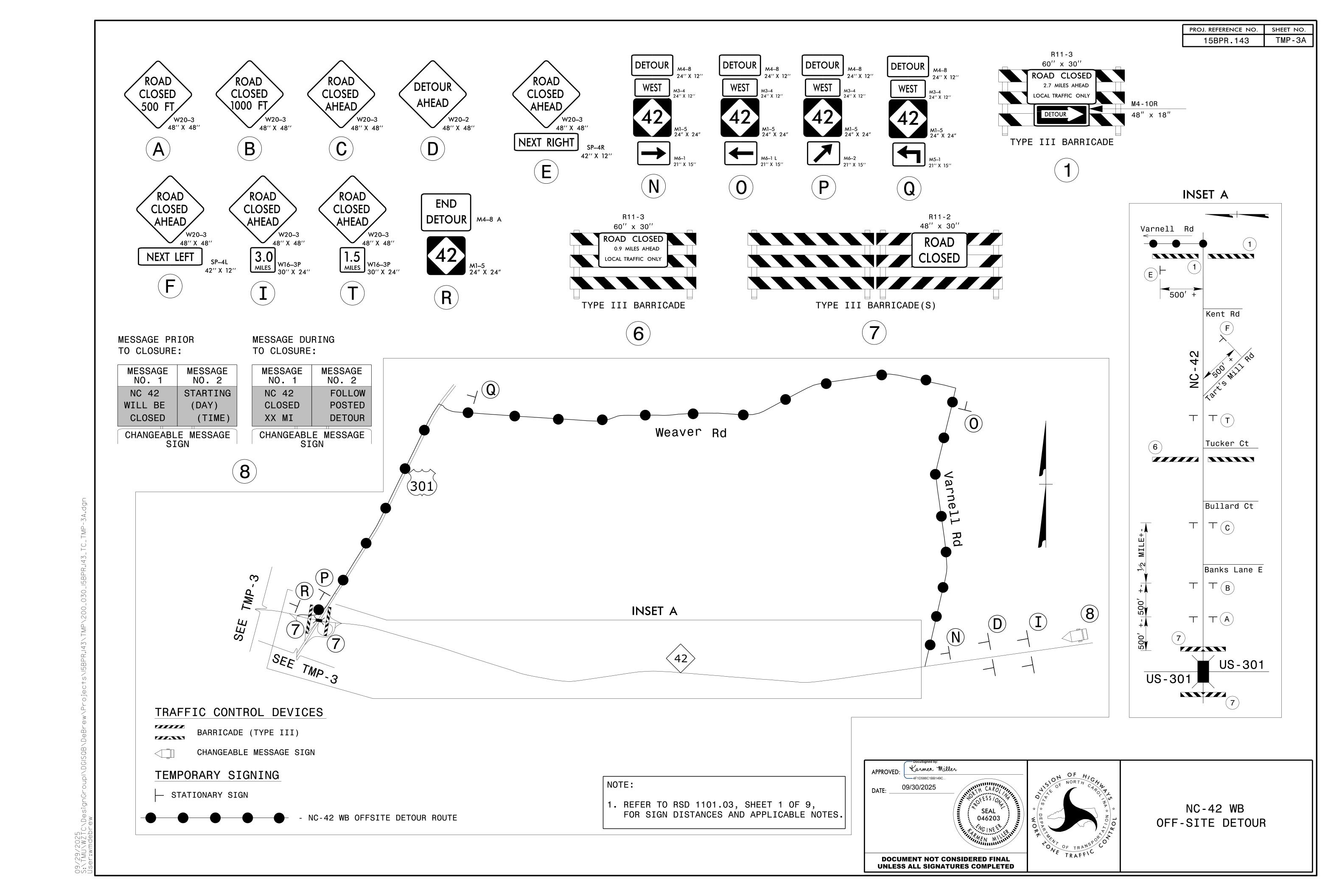
MESSAGE NO. 1	MESSAGE NO. 2
NC 42	FOLLOW
CLOSED	POSTED
XX MI	DETOUR
CHANGEABL	E MESSAGE

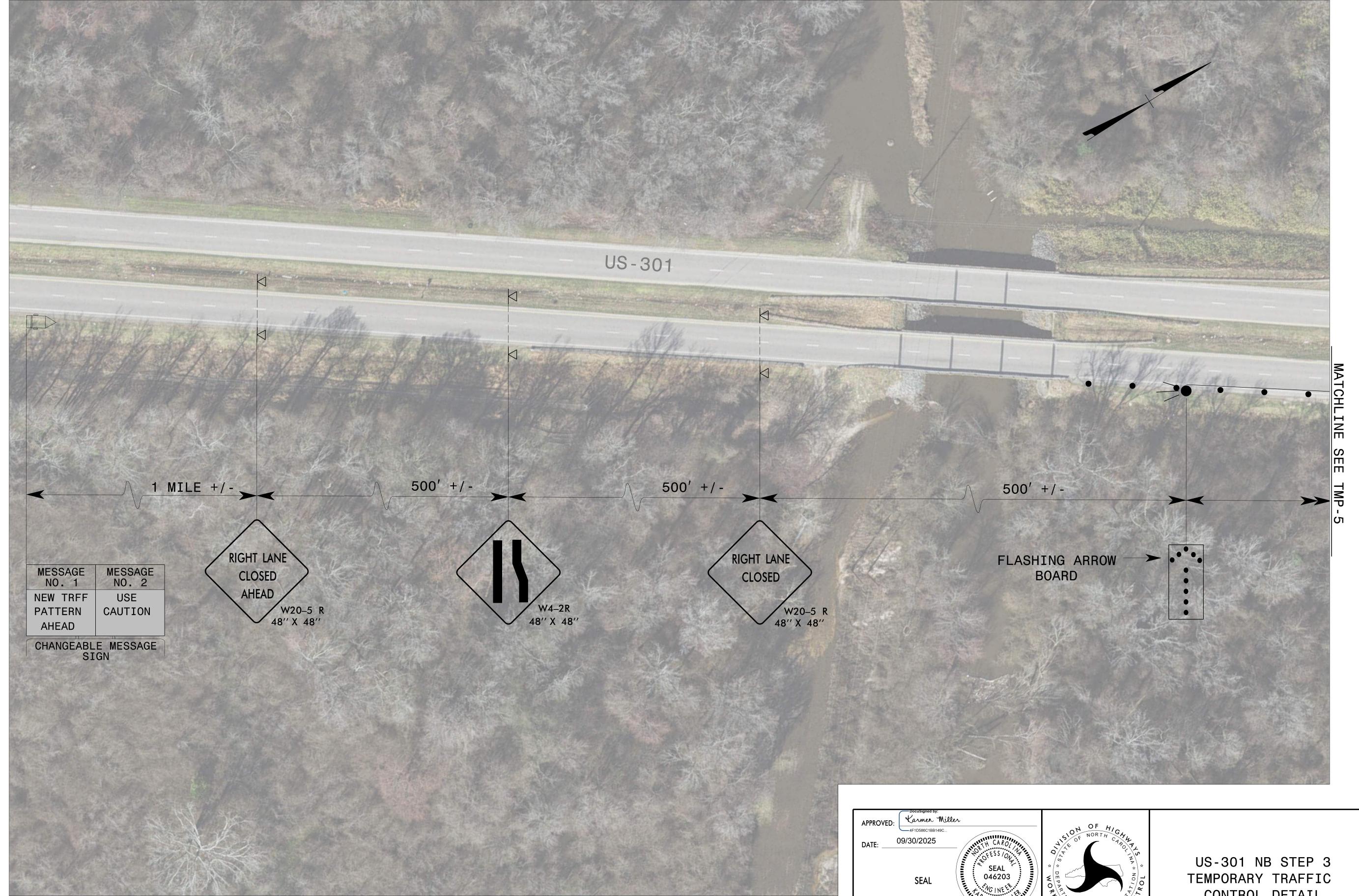
(8)





NC-42 EB OFF-SITE DETOUR



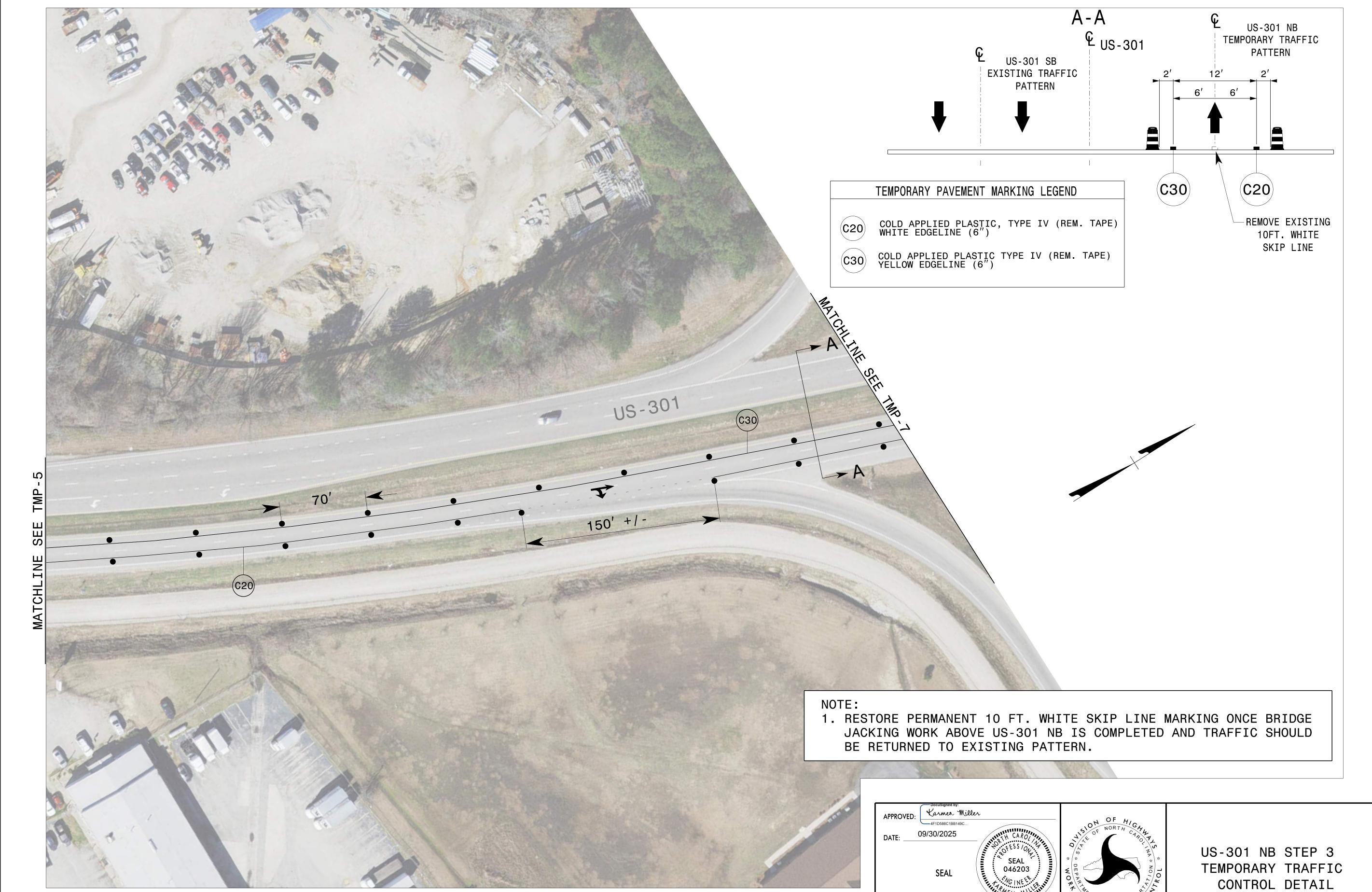


CONTROL DETAIL

US-301 NB STEP 3

US-301 •••••••• 660' +/- MERGE TAPER 100' +/-A-A © US-301 US-301 NB TEMPORARY TRAFFIC PATTERN US-301 SB EXISTING TRAFFIC PATTERN 6′ (C30) (C20) TEMPORARY PAVEMENT MARKING LEGEND COLD APPLIED PLASTIC, TYPE IV (REM. TAPE) WHITE EDGELINE (6") -REMOVE EXISTING 10FT. WHITE Karmen Miller SKIP LINE APPROVED: COLD APPLIED PLASTIC TYPE IV (REM. TAPE) 3FT.-9FT./SP WHITE MINISKIP (6") 09/30/2025 DATE: COLD APPLIED PLASTIC TYPE IV (REM. TAPE) YELLOW EDGELINE (6") TEMPORARY TRAFFIC CONTROL DETAIL

PROJ. REFERENCE NO. TMP-6



PROJ. REFERENCE NO. TMP - 7 A-A US-301 NB TEMPORARY TRAFFIC **PATTERN** US-301 SB EXISTING TRAFFIC PATTERN (C20) (C30) TEMPORARY PAVEMENT MARKING LEGEND NOTE: SEE SHEET TMP-3A COLD APPLIED PLASTIC, TYPE IV (REM. TAPE) WHITE EDGELINE (6") -REMOVE EXISTING FOR OFF-SITE DETOUR 10FT. WHITE SKIP LINE COLD APPLIED PLASTIC TYPE IV (REM. TAPE) YELLOW EDGELINE (6") PS ROAD CLOSED TYPE III BARRICADE(S) NC-42 TYPE III BARRICADE TMA FLASHING ARROW BOARD "CAUTION MODE" **C20** NOTE: 1. RESTORE PERMANENT 10 FT. WHITE SKIP LINE MARKING ONCE BRIDGE APPROVED: Karmen Miller JACKING WORK ABOVE US-301 NB IS COMPLETED AND TRAFFIC SHOULD BE RETURNED TO EXISTING PATTERN. 09/30/2025 DATE: _ US-301 NB STEP 3

MATCHLINE SEE TMP-6

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TEMPORARY TRAFFIC CONTROL DETAIL

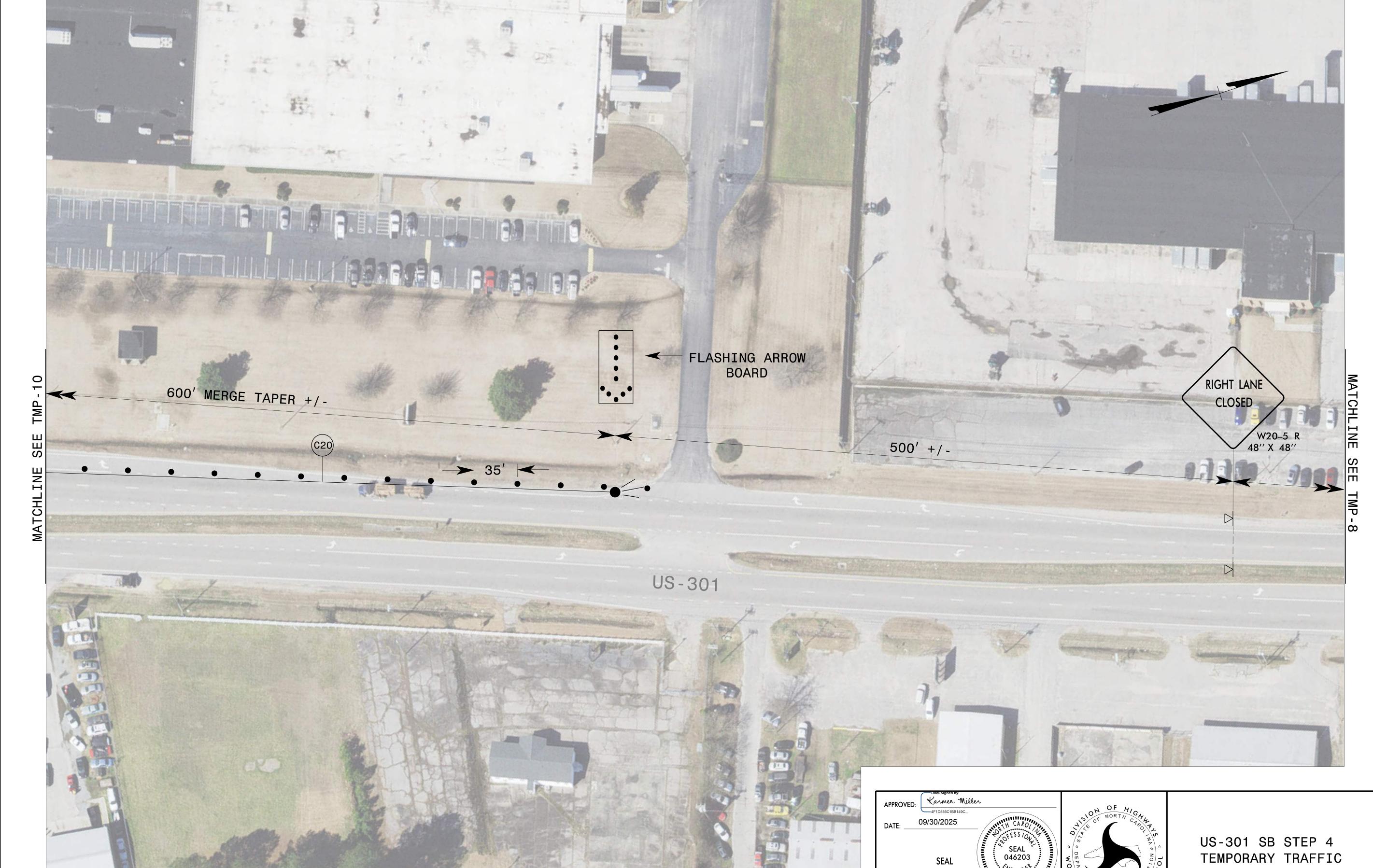
PROJ. REFERENCE NO. SHEET NO. 15BPR.143 TMP-8



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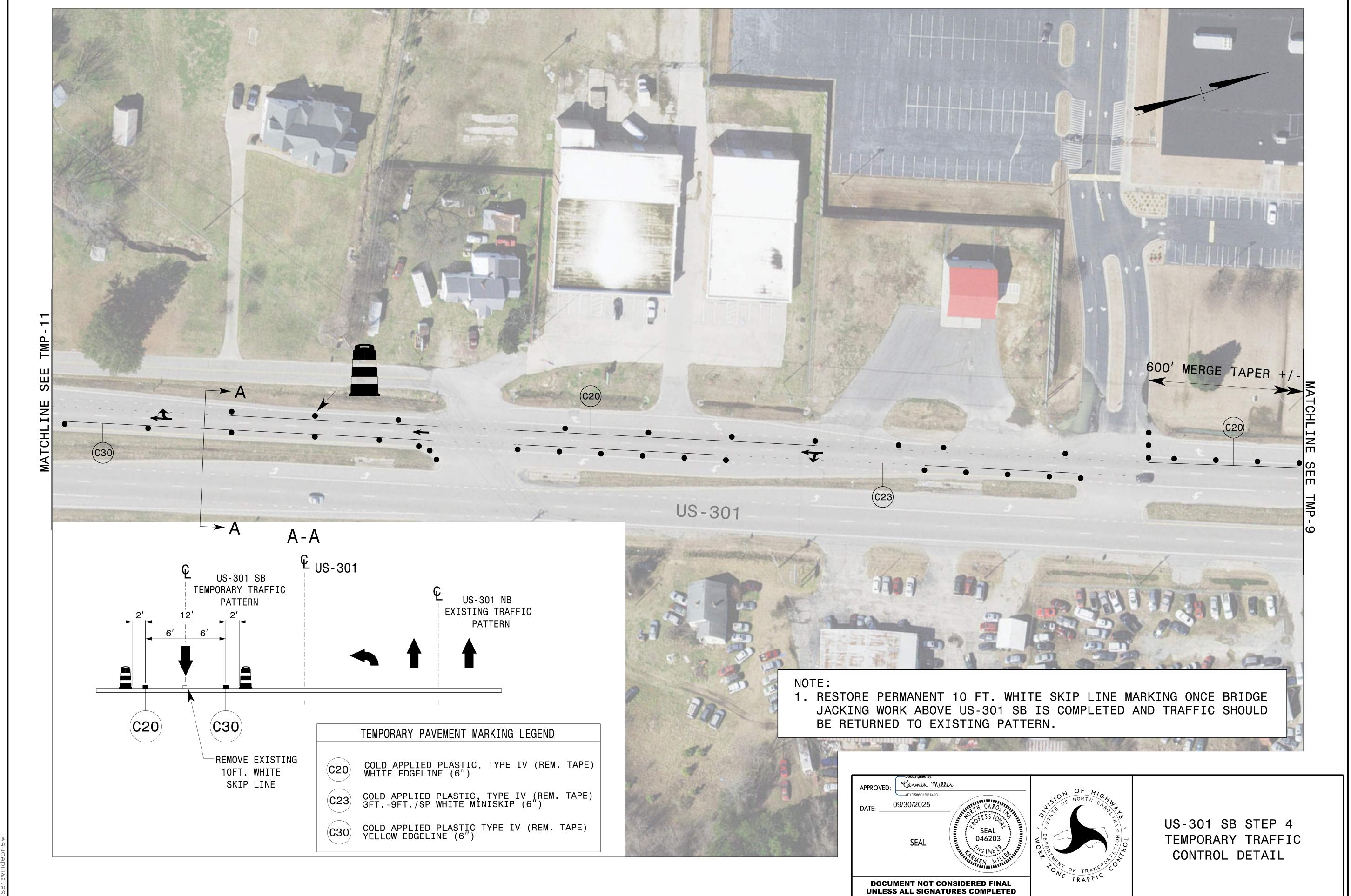
US-301 SB STEP 4
TEMPORARY TRAFFIC
CONTROL DETAIL

SEAL



CONTROL DETAIL

PROJ. REFERENCE NO. SHEET NO. 15BPR.143 TMP-10



09/29/2025 S:\TMU\WZTC\DesignGroupI\DGISQB\DeBrew\Projects

PROJ. REFERENCE NO. TMP - 11

MATCHLINE SEE TMP-10

