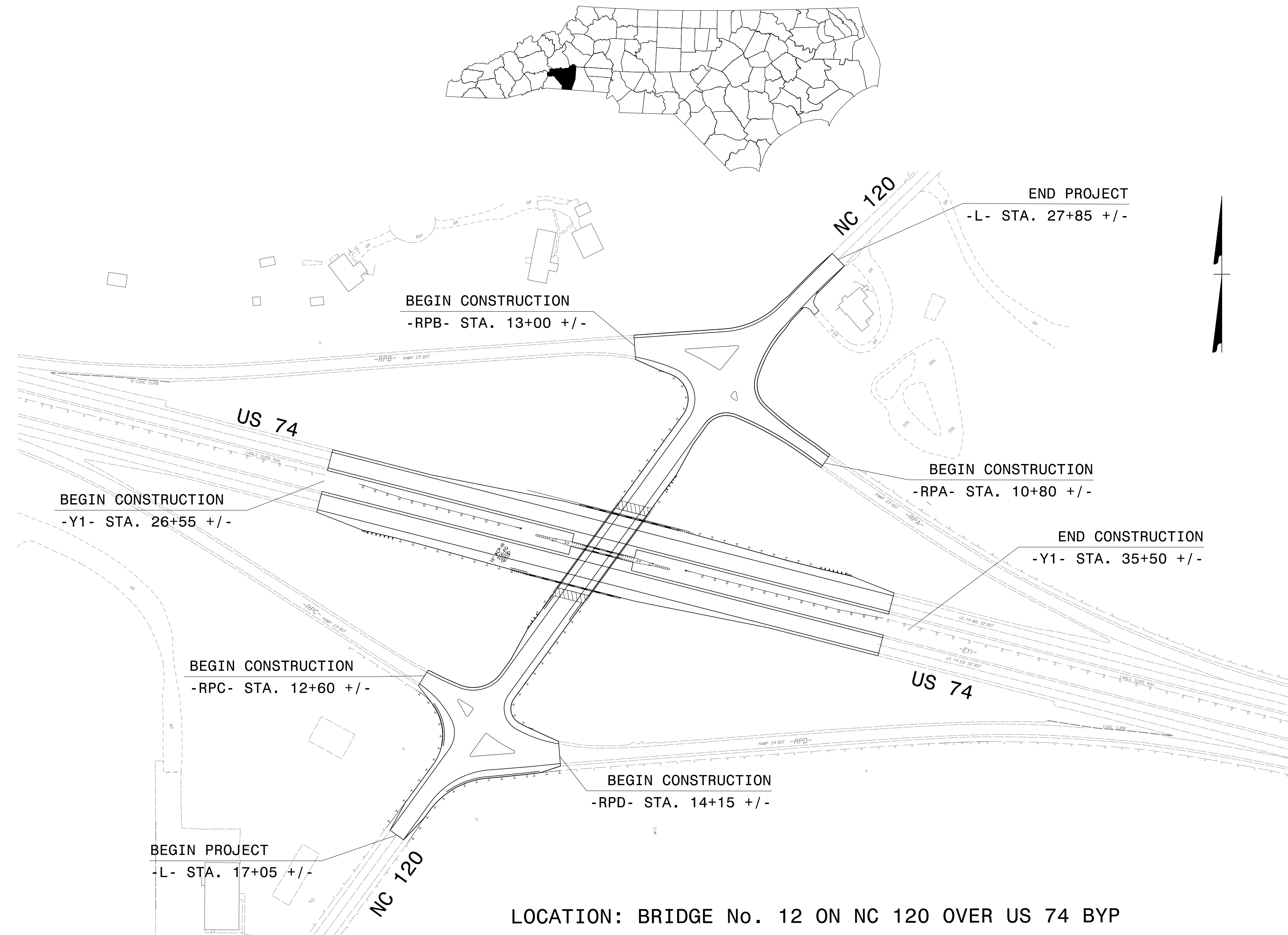
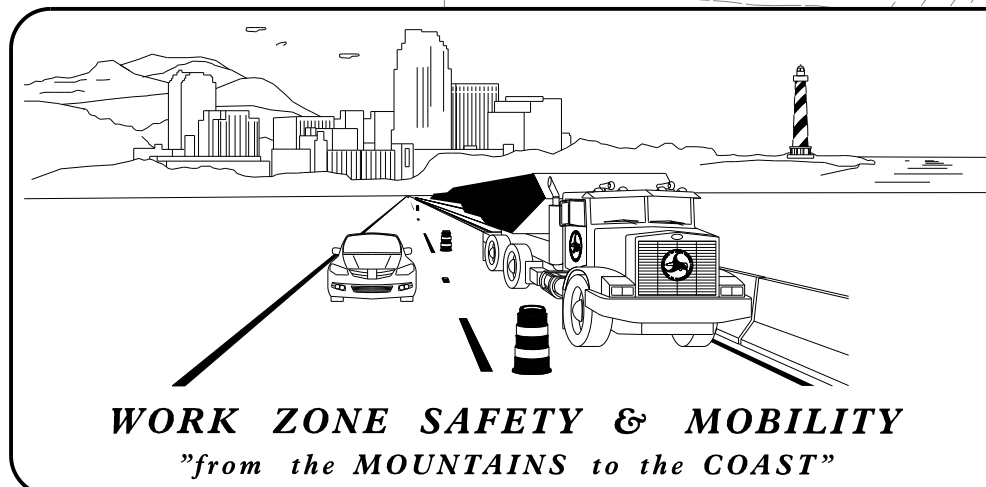


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN  
RUTHERFORD COUNTY

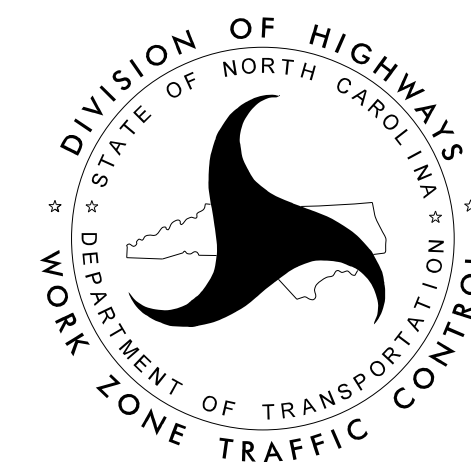


LOCATION: BRIDGE No. 12 ON NC 120 OVER US 74 BYP



PLANS PREPARED BY:  
A. MATTHEW THIGPEN, PE

NCDOT CONTACTS:  
CLAUDIA LEE, PE  
DIVISION PROJECT MANAGER



**THIGPEN**  
ENGINEERING  
3612 Griffice Mill Road  
Raleigh, NC 27610  
License: P-1116

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

APPROVED:   
DATE: 6/5/2026  
SEAL

INDEX OF SHEETS

| SHEET NO.          | TITLE                                          |
|--------------------|------------------------------------------------|
| TMP-01             | TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS |
| TMP-01A            | ROADWAY STANDARD DRAWINGS & LEGEND             |
| TMP-01B TO TMP-01C | GENERAL NOTES                                  |
| TMP-02A            | NC 120 SB DETOUR                               |
| TMP-02B            | NC 120 NB DETOUR                               |
| TMP-02C            | RAMP B AND RAMP D DETOUR                       |
| TMP-03             | PHASING NOTES                                  |
| TMP-04             | TEMPORARY TRAFFIC CONTROL PHASE I OVERVIEW     |
| TMP-05             | TEMPORARY TRAFFIC CONTROL PHASE II OVERVIEW    |

SHEET NO.  
TMP-01

TIP PROJECT: BR-0099

5/26/2026  
C:\Users\Matt\Thigpen\OneDrive\Projects\001002\_BR-0099\BR-0099\Files (CORP)\SEL722989\ORD\Work Zone Traffic Control\TCP\BR-0099\_TMP-01A.dgn  
User:Matt Thigpen

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                              |
| 1101.11  | TRAFFIC CONTROL DESIGN TABLES                        |
| 1110.01  | STATIONARY WORK ZONE SIGNS                           |
| 1110.02  | PORTABLE WORK ZONE SIGNS                             |
| 1115.01  | FLASHING ARROW BOARDS                                |
| 1130.01  | DRUM                                                 |
| 1135.01  | CONES                                                |
| 1145.01  | BARRICADES - TYPE III                                |
| 1150.01  | FLAGGERS                                             |
| 1160.01  | TEMPORARY CRASH CUSHION                              |
| 1170.01  | PORTABLE CONCRETE BARRIER                            |
| 1180.01  | SKINNY DRUMS                                         |
| 1205.01  | PAVEMENT MARKINGS - LINE TYPES AND OFFSETS           |
| 1205.02  | PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS |
| 1205.04  | PAVEMENT MARKINGS - INTERSECTIONS                    |
| 1205.05  | PAVEMENT MARKINGS - TURN LANES                       |
| 1205.06  | PAVEMENT MARKINGS - LANE DROPS                       |
| 1205.12  | PAVEMENT MARKINGS - BRIDGES                          |
| 1205.13  | PAVEMENT MARKINGS - LANE REDUCTIONS                  |
| 1251.01  | RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)  |

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.

WORK AREA

TEMPORARY PAVEMENT

TEMPORARY PAVEMENT MARKING

PAINT

- P1 WHITE EDGELINE (4")
- P20 WHITE EDGELINE(6")
- P21 WHITE SOLID LANE LINE (6")
- P22 10FT. WHITE SKIP (6")
- P30 YELLOW EDGELINE (6")

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- PORTABLE CONCRETE BARRIER
- CONE
- DRUM (SECTION VIEW)
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

APPROVED: 

DocuSigned by:  
Matthew Thigpen  
7202285FD315433.

DATE: 6/5/2026

SEAL  
034343  
ENGINEER  
MATTHEW THIGPEN

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
WORK ZONE TRAFFIC CONTROL

TRANSPORTATION  
MANAGEMENT PLANS  
ROADWAY STANDARD  
DRAWINGS & LEGEND

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

5/27/2026  
G:\Users\Matt\Thigpen\OneDrive\Projects\001002\_BR-0099\BR-0099\BR-0099\Work Zone Traffic Control\TCP\BR-0099\_TMP-01B.dgn  
User:Matt Thigpen

MANAGEMENT STRATEGIES

NEW BRIDGE ON NC 120 WILL BE CONSTRUCTED IN 2 PHASES. THE BEGINNING OF PHASE 1 CONSISTS OF REMOVAL OF CONCRETE TRAFFIC SEPARATOR ISLANDS ON RAMPS USING LANE CLOSURES AND NIGHT-TIME ROAD CLOSURES. OUTSIDE SHOULDER CONSTRUCTION WILL BE PERFORMED ON -Y1- USING LANE CLOSURES. ONCE OUTSIDE SHOULDER CONSTRUCTION IS COMPLETE TEMPORARY BARRIER WILL BE PLACED ALONG OUTSIDE SHOULDER. NEW BRIDGE CONSTRUCTION WILL BEGIN UTILIZING A ROAD CLOSURE OF -L- AND OFF-SITE DETOURS. PHASE 2 CONSIST OF SHIFTING -Y1- TRAFFIC TO THE OUTSIDE SHOULDERS AND CONSTRUCTING MEDIAN SHOULDERS. ONCE MEDIAN SHOULDERS ARE COMPLETED, TEMPORARY BARRIER IS TO BE PLACED ON THE MEDIAN SIDE OF -Y1- AND BRIDGE INTERIOR BENTS ARE TO BE CONSTRUCTED. FOR OVERHEAD BRIDGE GIRDER CONSTRUCTION, TEMPORARY ROAD CLOSURE AND TRAFFIC DETOURED VIA INTERCHANGE RAMPS WILL BE UTILIZED FOR TRAFFIC ON -Y1-.

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 UNDESIRE 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      | DAY AND TIME RESTRICTIONS                                       |
|----------------|-----------------------------------------------------------------|
| US 74 OR RAMPS | MONDAY THRU FRIDAY 6:00 AM TO 8:00 AM<br>AND 4:00 PM TO 6:00 PM |

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

| ROAD NAME      |
|----------------|
| US 74 OR RAMPS |

HOLIDAY

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

C) DO NOT STOP TRAFFIC AS FOLLOWS:

| ROAD NAME | DAY AND TIME RESTRICTIONS                            | DURATION AND OPERATION                                                           |
|-----------|------------------------------------------------------|----------------------------------------------------------------------------------|
| US 74     | MONDAY THRU SUNDAY<br>5:00 AM TO 12:00 AM (MIDNIGHT) | 30 MINUTES (UNLESS APPROVED OFFSITE DETOUR) FOR OVERHEAD WORK AND TRAFFIC SHIFTS |

D) DO NOT CONDUCT SINGLE VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS WILL NOT BE ALLOWED:

| ROAD NAME      | DAY AND TIME RESTRICTIONS                                       |
|----------------|-----------------------------------------------------------------|
| US 74 OR RAMPS | MONDAY THRU FRIDAY 6:00 AM TO 8:00 AM<br>AND 4:00 PM TO 6:00 PM |

E) DO NOT CONDUCT MULTI-VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS WILL NOT BE ALLOWED:

| ROAD NAME      | DAY AND TIME RESTRICTIONS                                       |
|----------------|-----------------------------------------------------------------|
| US 74 OR RAMPS | MONDAY THRU FRIDAY 6:00 AM TP 8:00 AM<br>AND 4:00 PM TO 6:00 PM |

F) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- G) 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.
- H) 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.
- I) 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.
- J) 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.
- K) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- L) USE SEQUENTIAL FLASHING WARNING LIGHTS ON DRUMS USED FOR THE MERGING TAPERS OF NIGHTTIME LANE CLOSURES IN ACCORDANCE WITH SECTION 1140 IN THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- M) 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.



| PROJ. REFERENCE NO. | SHEET NO. |
|---------------------|-----------|
| BR-0099             | TMP-01B   |

PAVEMENT EDGE DROP OFF REQUIREMENTS

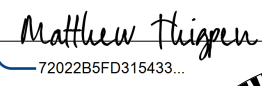
- N) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
- BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
- BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
- BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- O) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

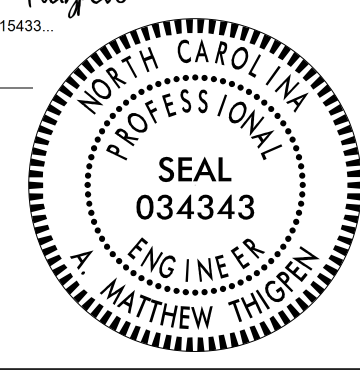
TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- Q) 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.
- R) 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.
- S) 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.
- T) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- U) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 350 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

APPROVED:   
DATE: 6/5/2026



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



**TRANSPORTATION  
MANAGEMENT PLANS  
  
GENERAL NOTES**

5/27/2026  
C:\Users\Matt\Thigpen\OneDrive\Projects\00102\_BR-0099\BR-0099\Files (CORP)\SEL722989\ORD\Work Zone Traffic Control\TCP\BR-0099\_TMP-01C.dgn  
User:Matt Thigpen

GENERAL NOTES CONTINUED

**THIGPEN**  
ENGINEERING  
3612 Griffee Mill Road  
Raleigh, NC 27610  
License: P-1116

| PROJ. REFERENCE NO. | SHEET NO. |
|---------------------|-----------|
| BR-0099             | TMP-01C   |

TRAFFIC BARRIER

- V) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE / RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

TRAFFIC CONTROL DEVICES

- W) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (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.
- X) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

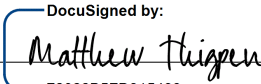
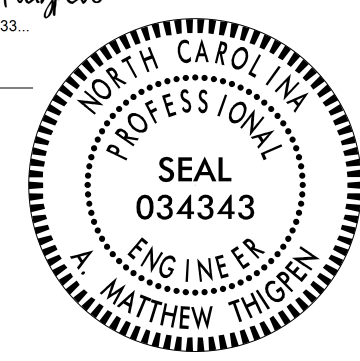
- Y) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

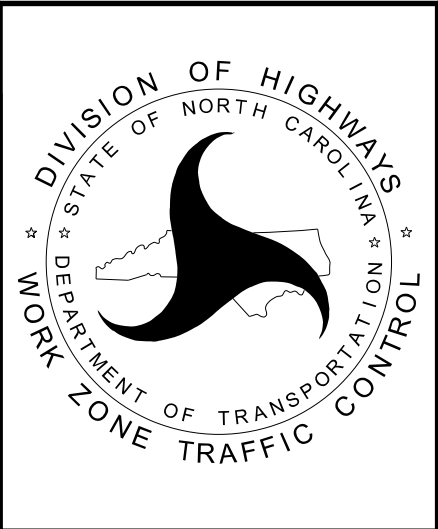
| ROAD NAME | MARKING | MARKER           |
|-----------|---------|------------------|
| ALL ROADS | PAINT   | TEMPORARY RAISED |

- Z) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- AA) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- BB) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- CC) TRACE THE EXISTING AND PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO REMOVAL AND BEFORE INSTALLATION. PLACE DRUMS TO DELINEATE ANY EXISTING AND PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL AND BEFORE INSTALLATION.

MISCELLANEOUS

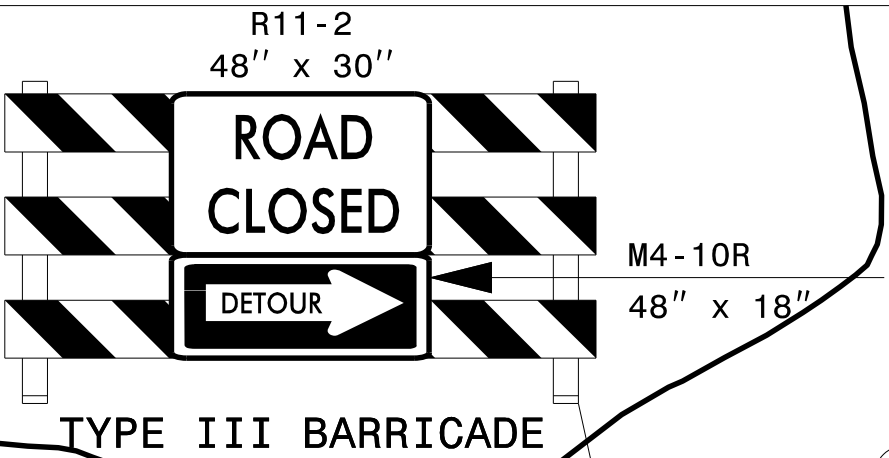
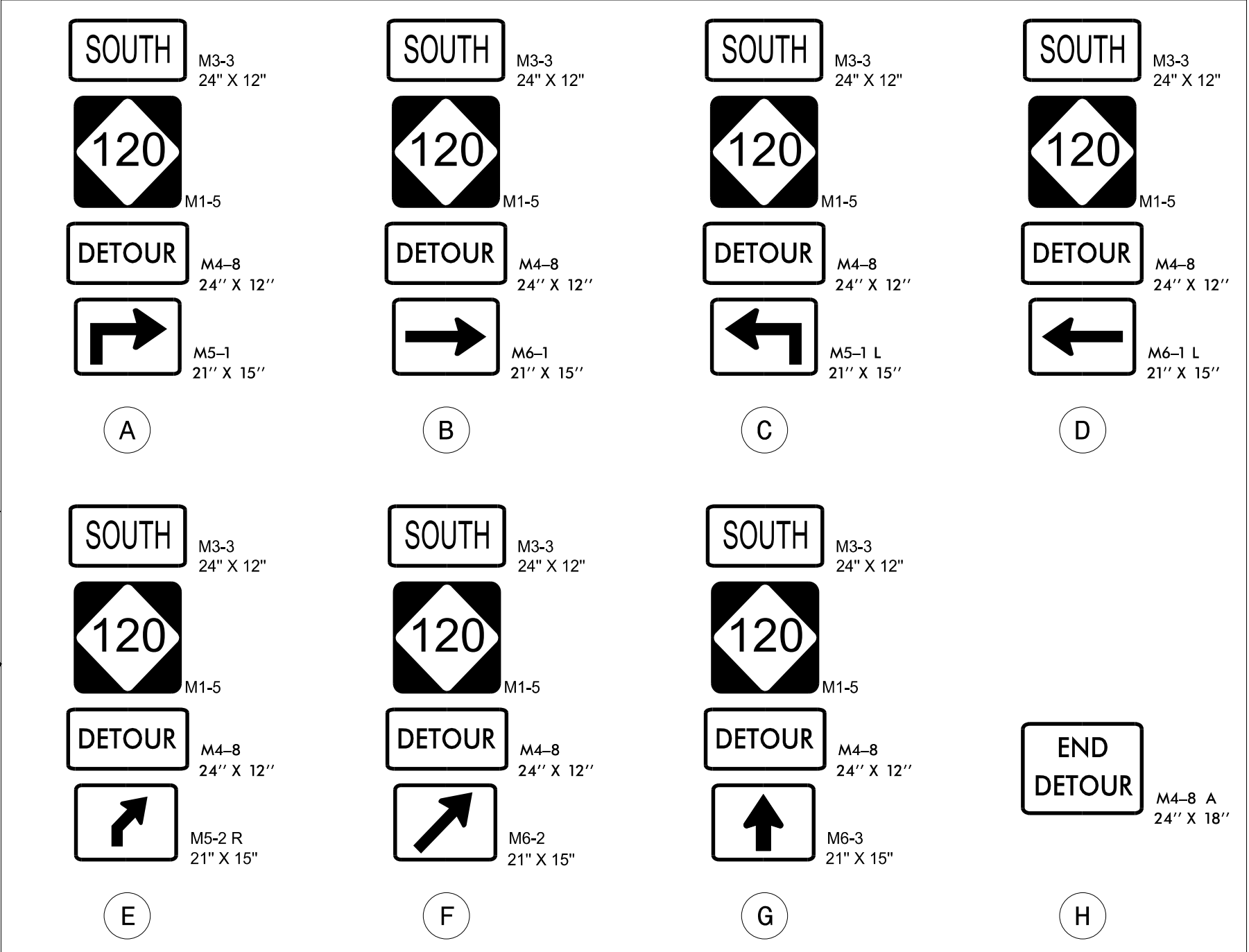
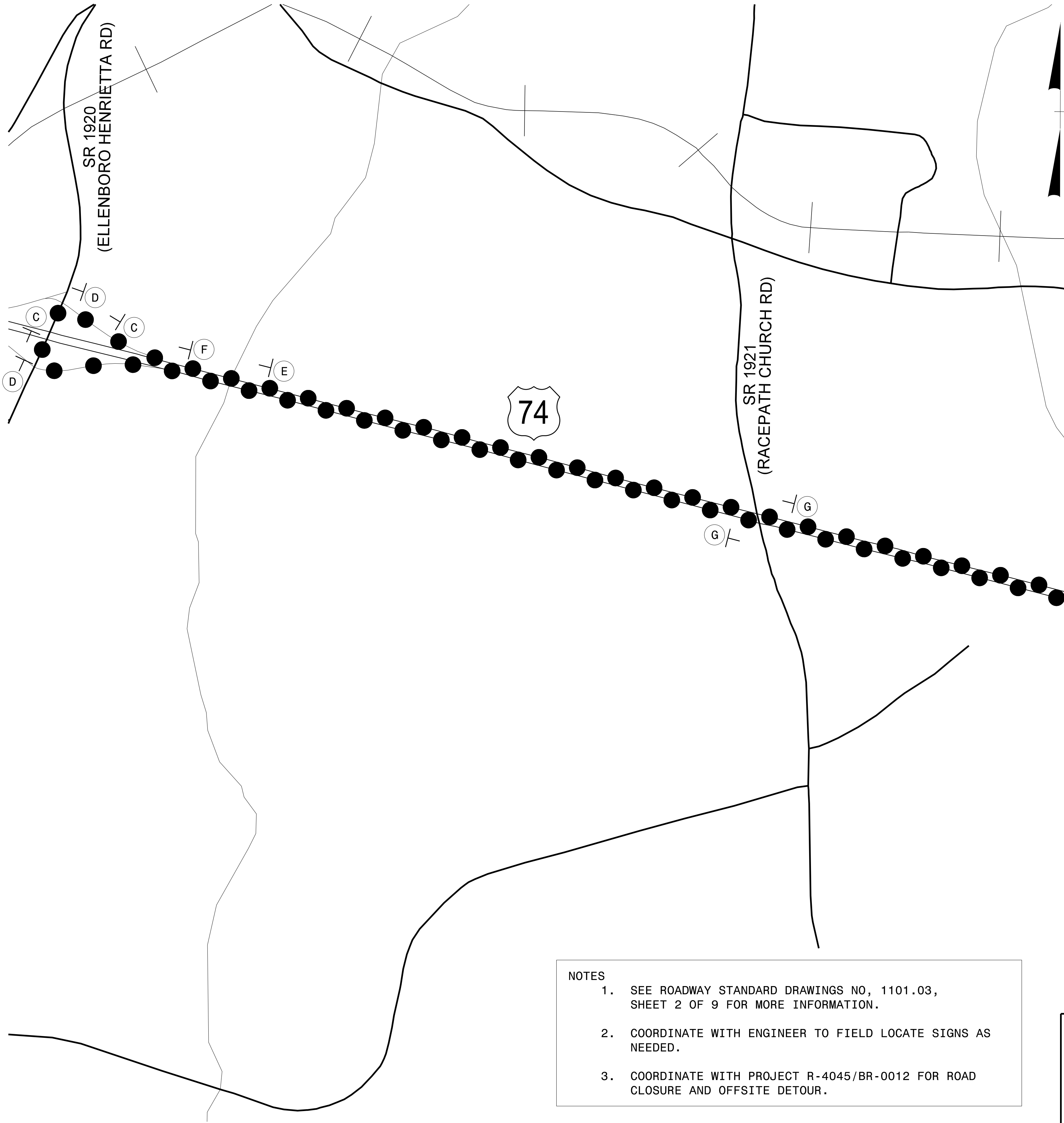
- DD) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- EE) COORIDNATE WITH ADJACENT PROJECTS INCLUDING R-4045/BR-0012.

|                                                                                                 |
|-------------------------------------------------------------------------------------------------|
| APPROVED:  |
| DATE: 6/5/2026                                                                                  |
|            |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                |



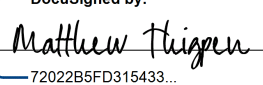
TRANSPORTATION  
MANAGEMENT PLANS  
  
GENERAL NOTES

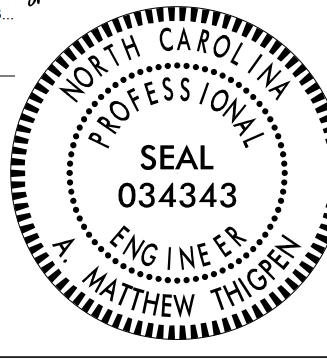
5/26/2026  
G:\Users\Matt\Thigpen\OneDrive\Projects\00102\_BR-0099\BR-0099\Files (CORP)\SEL722989\ORD\Work Zone Traffic Control\TCP\BR-0099\_TMP-02A\_DETOUT.dgn  
User:Matt Thigpen



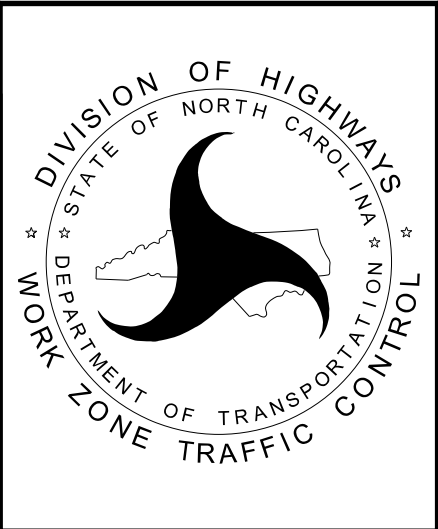
|                           |                     |
|---------------------------|---------------------|
| MESSAGE NO. 1             | MESSAGE NO. 2       |
| NC 120 SOUTH CLOSED       | FOLLOW US 74 DETOUR |
| CHANGEABLE MESSAGE SIGN   |                     |
| *PLACE 1 MILE BEFORE EXIT |                     |

- NOTES
- SEE ROADWAY STANDARD DRAWINGS NO, 1101.03, SHEET 2 OF 9 FOR MORE INFORMATION.
  - COORDINATE WITH ENGINEER TO FIELD LOCATE SIGNS AS NEEDED.
  - COORDINATE WITH PROJECT R-4045/BR-0012 FOR ROAD CLOSURE AND OFFSITE DETOUR.

APPROVED:   
DATE: 6/5/2026

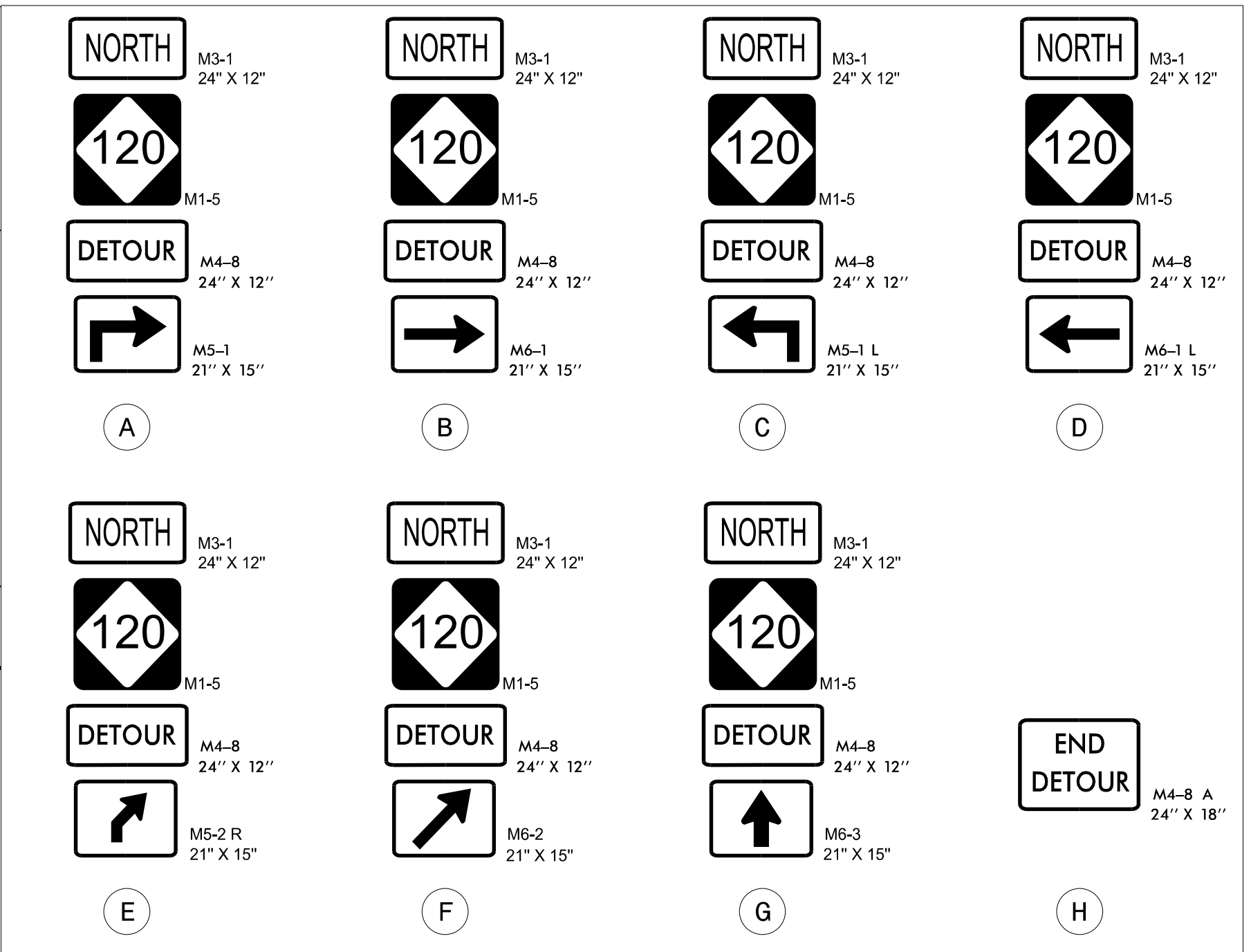
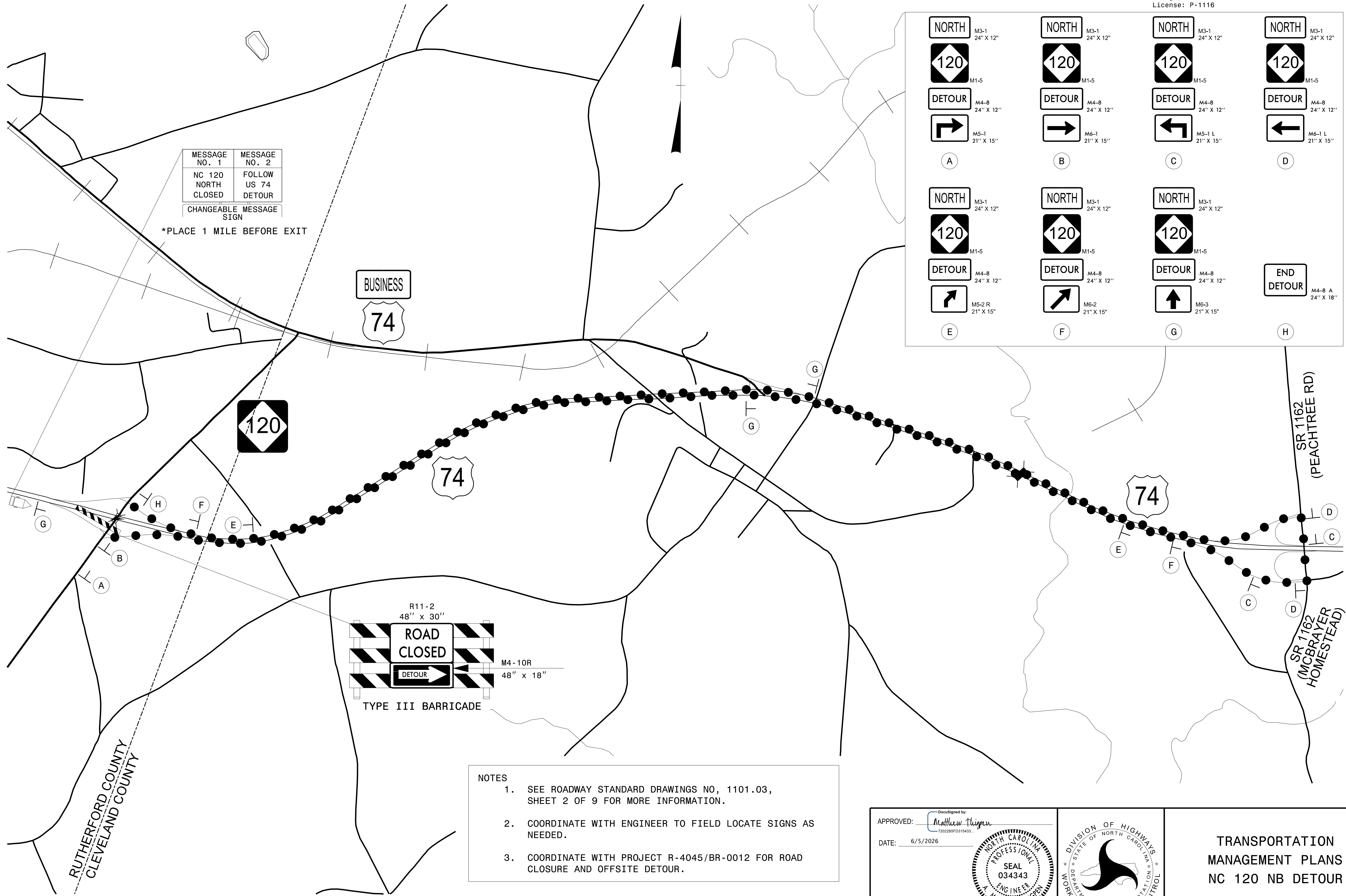


**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



TRANSPORTATION  
MANAGEMENT PLANS  
NC 120 SB DETOUR

5/26/2026  
G:\Users\Wgtt\Thigpen\OneDrive\Projects\100102\_BR-0099\BR-0099 Files (CORP)\JEL722989\ORD\Work Zone Traffic Control\TCP\BR-0099\_TMP-02B\_DETOUT.dgn  
User:Matt Thigpen



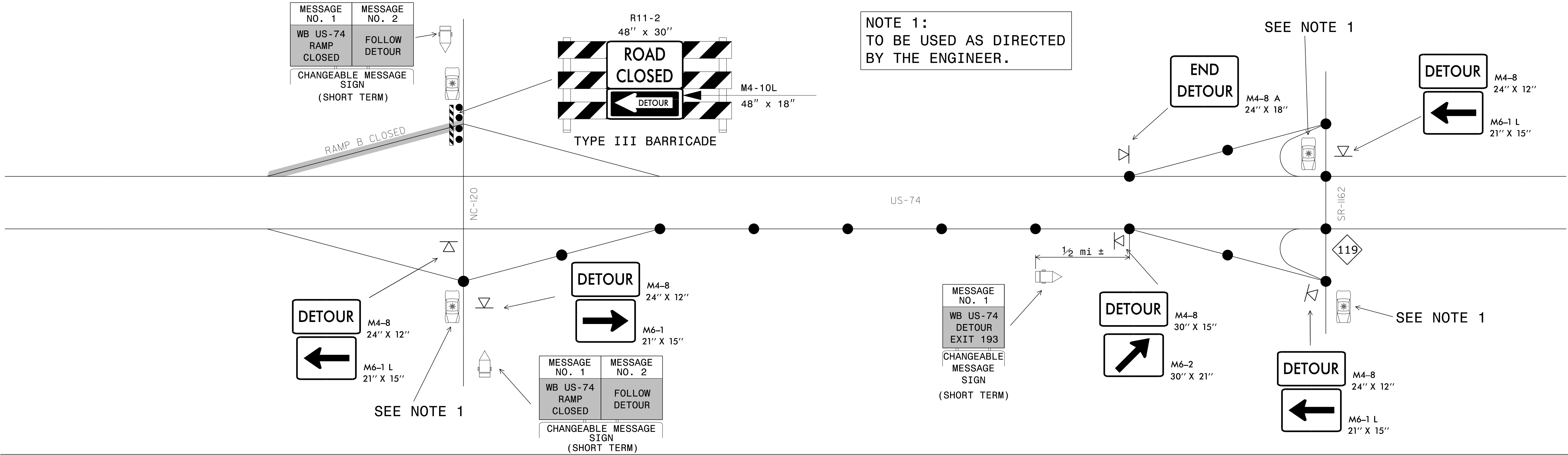
|                                                                  |                                                                                  |                                                                                                                  |                                                        |
|------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| APPROVED:<br>DATE: 6/5/2026                                      | <br>NORTH CAROLINA<br>PROFESSIONAL ENGINEER<br>SEAL<br>034343<br>MATTHEW THIGPEN | <br>DIVISION OF HIGHWAYS<br>STATE OF NORTH CAROLINA<br>DEPARTMENT OF TRANSPORTATION<br>WORK ZONE TRAFFIC CONTROL | TRANSPORTATION<br>MANAGEMENT PLANS<br>NC 120 NB DETOUR |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |                                                                                  |                                                                                                                  |                                                        |

5/26/2026  
C:\Users\matt\Thigpen\OneDrive\Projects\001002\_BR-0099\BR-0099\Work Zone Traffic Control\TCP\BR-0099\_TC\_TMP-02C.dgn  
User:Matt Thigpen

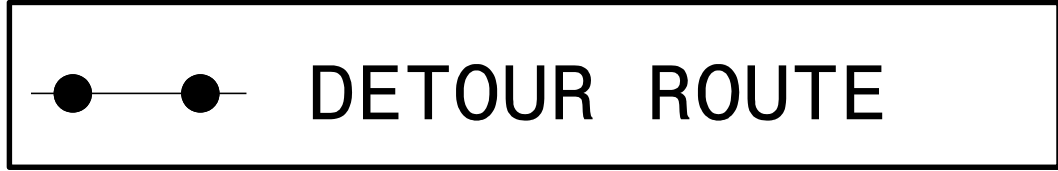
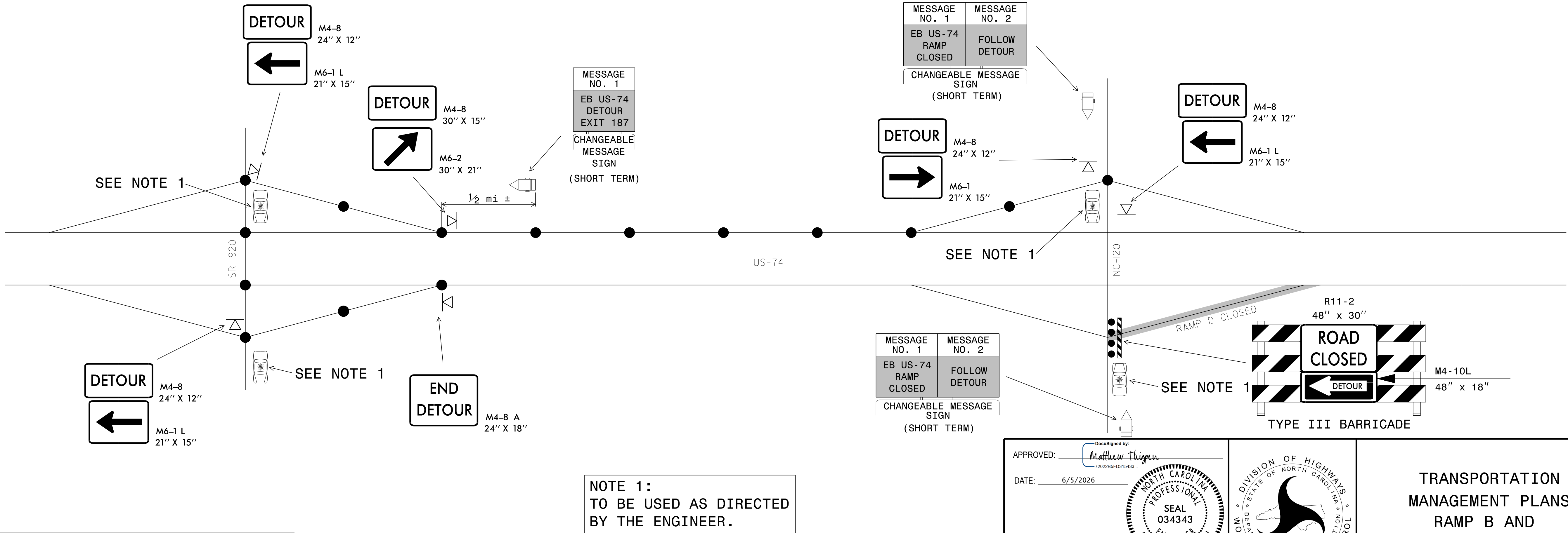
CLOSURE AND DETOUR OF ON-RAMP (RAMP B) TO ADJACENT INTERCHANGE

**THIGPEN**  
ENGINEERING  
3612 Griffice Mill Road  
Raleigh, NC 27610  
License: P-11116

| PROJ. REFERENCE NO. | SHEET NO. |
|---------------------|-----------|
| BR-0099             | TMP-02C   |



CLOSURE AND DETOUR OF ON-RAMP (RAMP D) TO ADJACENT INTERCHANGE

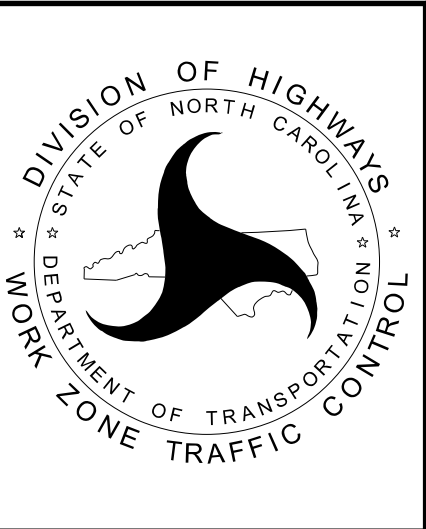


APPROVED: *Matthew Thigpen*  
DATE: 6/5/2026

7202285FD315433

PROFESSIONAL  
SEAL  
034343  
ENGINEER  
MATTHEW THIGPEN

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



TRANSPORTATION  
MANAGEMENT PLANS  
RAMP B AND  
RAMP D DETOURS

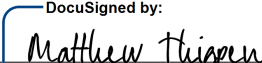
PHASING NOTES

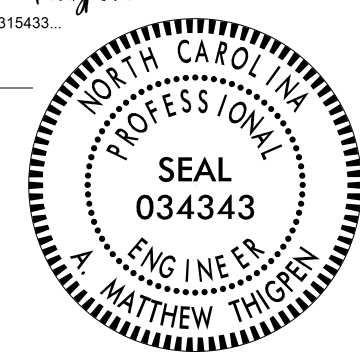
PHASE 1 (TMP-04)

- STEP 1:INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADS  
ACCORDING TO ROADWAY STANDARD DRAWING NO. 1101.01 WHERE WORK  
WILL BE OCCURRING NO MORE THAN THREE DAYS PRIOR TO  
BEGINNING CONSTRUCTION.
- STEP 2:USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 19 AND  
SHEET 4 OF 19, REMOVE TRAFFIC SEPARATOR ISLANDS ON RAMP A AND  
RAMP C AND PLACE TEMPORARY ASPHALT.
- AWAY FROM TRAFFIC AND USING NIGHT-TIME ROAD CLOSURES, REMOVE  
TRAFFIC SEPARATOR ISLANDS ON RAMP B AND RAMP D AND PLACE  
TEMPORARY ASPHALT.
- STEP 3:USE ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 4 OF 19, TO  
CONSTRUCT OUTSIDE SHOULDER REPLACEMENT ALONG -Y1- UP TO BUT NOT  
INCLUDING THE FINAL LAYER OF SURFACE COURSE. ONCE COMPLETE,  
INSTALL PORTABLE CONCRETE BARRIER AND PAVEMENT MARKINGS AS SHOWN  
ON SHEET TMP-04.
- STEP 4:USE ROADWAY STANDARD DRAWING NO. 1101.04 SHEET 1 OF 2,  
CONSTRUCT ASPHALT PAVING AND WEDGING ALONG -L-,-RPA-, -RPB-,  
RPC-, AND -RPD- UP TO BUT NOT INCLUDING THE FINAL LAYER OF  
SURFACE COURSE.
- COMPLETE THE WORK DESCRIBED IN PHASE I STEP 5 THROUGH PHASE II  
STEP 4 WITHIN 365 CONSECUTIVE DAYS OF THE CLOSURE AND RE-OPEN THE  
ROADWAY. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.
- STEP 5:USE ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 2 OF 9 AND  
SHEETS TMP-02A AND TMP-02B, INSTALL TEMPORARY PAVEMENT MARKINGS,  
AND SHIFT TRAFFIC TO TEMPORARY PATTERN AS SHOWN ON SHEET TMP-04.  
CONSTRUCT NEW BRIDGE END BENTS, DRAINAGE PIPES, ASPHALT PAVEMENT,  
APPROACH SLABS, AND ASPHALT PAVING AND WEDGING ALONG -L- UP TO BUT  
NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- NOTE: DURING NIGHT TIME OPERATIONS, USE ROADWAY STANDARD DRAWING NO.  
1101.03, SHEET 7 OF 9 TO STOP TRAFFIC FOR UP TO 30 MINUTES FOR  
DEMO OF THE EXISTING BRIDGE. ROADWAY STANDARD DRAWING NO. 1101.03,  
SHEET 7 OR 9 MAY BE USED TO SEND TRAFFIC UP AND DOWN THE EXISTING  
RAMPS FOR GREATER THAN 30 MINUTES AS APPROVED BY THE ENGINEER.

PHASE 2 (TMP-05)

- STEP 1:USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 19 AND  
SHEET 4 OF 19,INSTALL TEMPORARY PAVEMENT MARKINGS AND SHIFT  
TRAFFIC TO TEMPORARY PATTERN AS SHOWN ON SHEET TMP-05.
- STEP 2:USE ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 4 OF 19, TO  
CONSTRUCT MEDIAN SHOULDER REPLACEMENT ALONG -Y1- UP TO BUT NOT  
INCLUDING THE FINAL LAYER OF SURFACE COURSE. ONCE COMPLETE,  
INSTALL PORTABLE CONCRETE BARRIER AND PAVEMENT MARKINGS AS SHOWN  
ON SHEET TMP-05.
- STEP 3:USE ROADWAY STANDARD DRAWING NO. 1101.04 SHEET 1 OF 2,  
CONSTRUCT ASPHALT PAVING AND WEDGING ALONG -L-, -RPA-, -RPB-,  
RPC-, AND -RPD- UP TO BUT NOT INCLUDING THE FINAL LAYER OF  
SURFACE COURSE.
- STEP 4:USE ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 2 OF 9 AND  
SHEETS TMP-02A AND TMP-02B, CONSTRUCT BRIDGE INTERIOR BENTS,  
BRIDGE DECKING AND REMAINING ASPHALT PAVING AND WEDGING  
ALONG -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE  
COURSE. PLACE TEMPORARY PAVEMENT MARKINGS IN FINAL PATTERN  
AND REOPEN -L- NC 120.
- NOTE: DURING NIGHT TIME OPERATIONS, USE ROADWAY STANDARD DRAWING NO.  
1101.03, SHEET 9 OF 9 TO STOP TRAFFIC FOR UP TO 30 MINUTES FOR  
GIRDER ERECTION. ROADWAY STANDARD DRAWING NO. 1101.03,  
SHEET 7 OR 9 MAY BE USED TO SEND TRAFFIC UP AND DOWN THE EXISTING  
RAMPS FOR GREATER THAN 30 MINUTES AS APPROVED BY THE ENGINEER.
- STEP 5:USE ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 19 AND  
SHEET 4 OF 19, ADD FINAL LAYER OF SURFACE COURSE, TRAFFIC  
SEPARATOR ISLANS ON RAMP A AND RAMP C AND FINAL PAVEMENT MARKINGS.
- AWAY FROM TRAFFIC AND USING NIGHT-TIME ROAD CLOSURES, INSTALL  
TRAFFIC SEPARATOR ISLANDS ON RAMP B AND RAMP D.
- STEP 6:ONCE CONSTRUCTION IS COMPLETE, REMOVE ALL SIGNS AND DEVICES  
AND PLACE TRAFFIC IN ITS FINAL PATTERN.

APPROVED:   
DATE: 6/10/2026



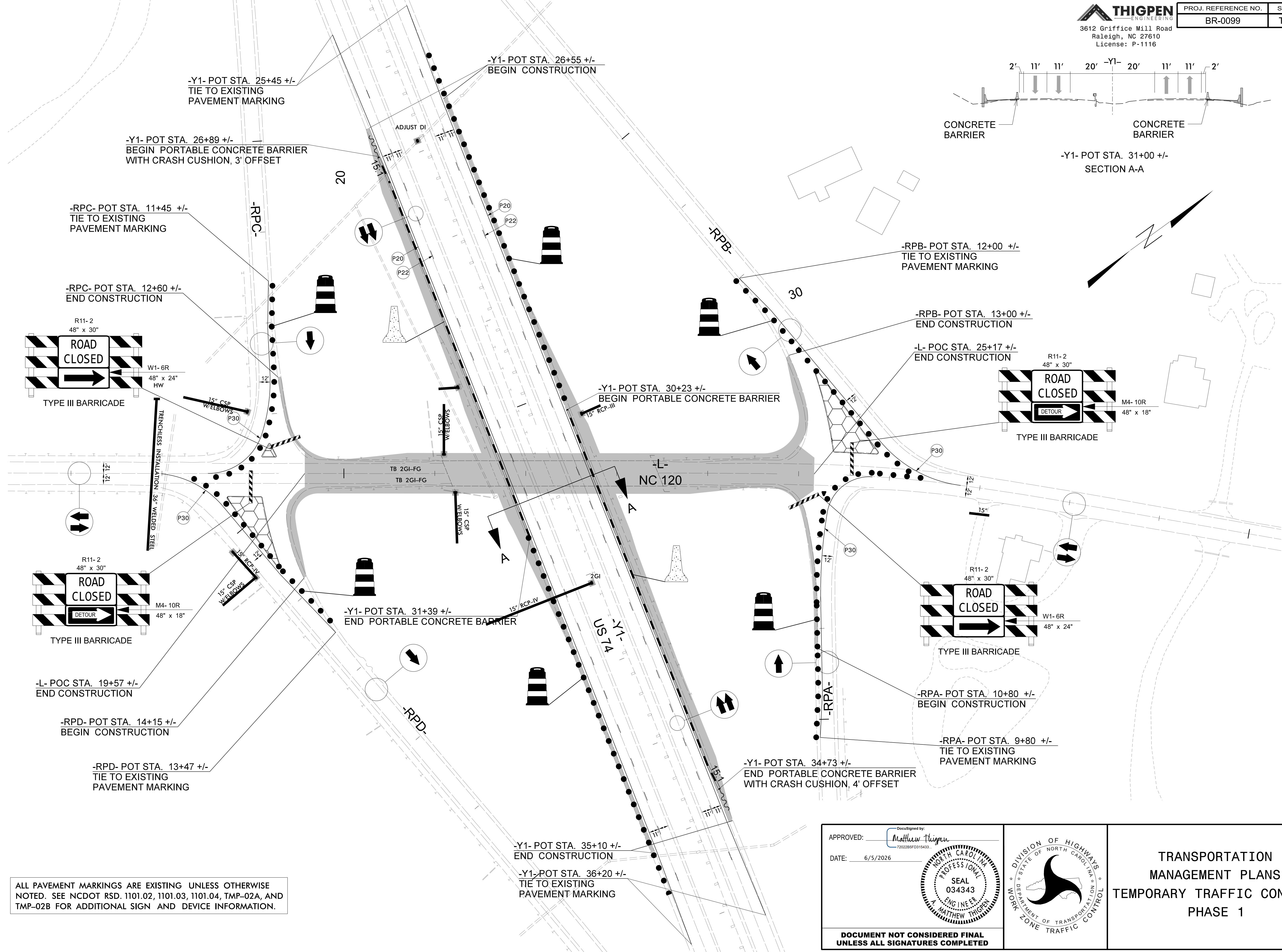
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



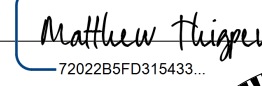
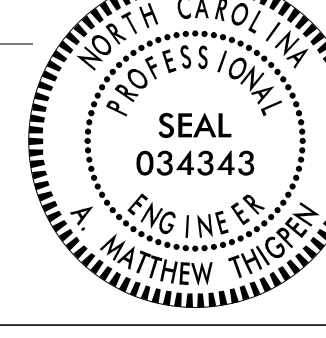
TRANSPORTATION  
MANAGEMENT PLANS

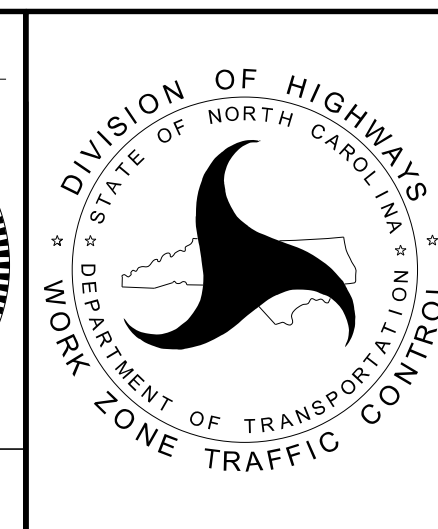
WRITTEN PHASING

5/26/2026  
G:\Users\matt\Thigpen\OneDrive\Projects\001002\_BR-0099\BR-0099\Work Zone Traffic Control\TCP\BR-0099\_TMP\_04.dgn  
User:Matt Thigpen

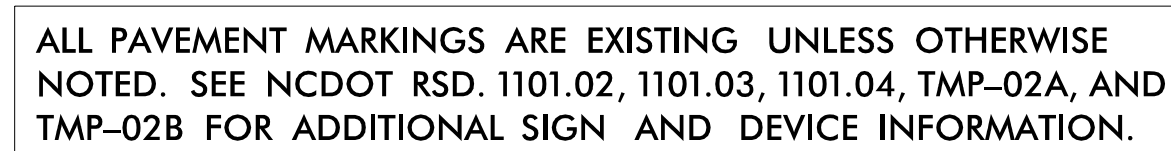


ALL PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED. SEE NCDOT RSD. 1101.02, 1101.03, 1101.04, TMP-02A, AND TMP-02B FOR ADDITIONAL SIGN AND DEVICE INFORMATION.

APPROVED:   
DATE: 6/5/2026  
  
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



TRANSPORTATION  
MANAGEMENT PLANS  
TEMPORARY TRAFFIC CONTROL  
PHASE 1



TRANSPORTATION  
MANAGEMENT PLANS  
TEMPORARY TRAFFIC CONTROL  
PHASE 2