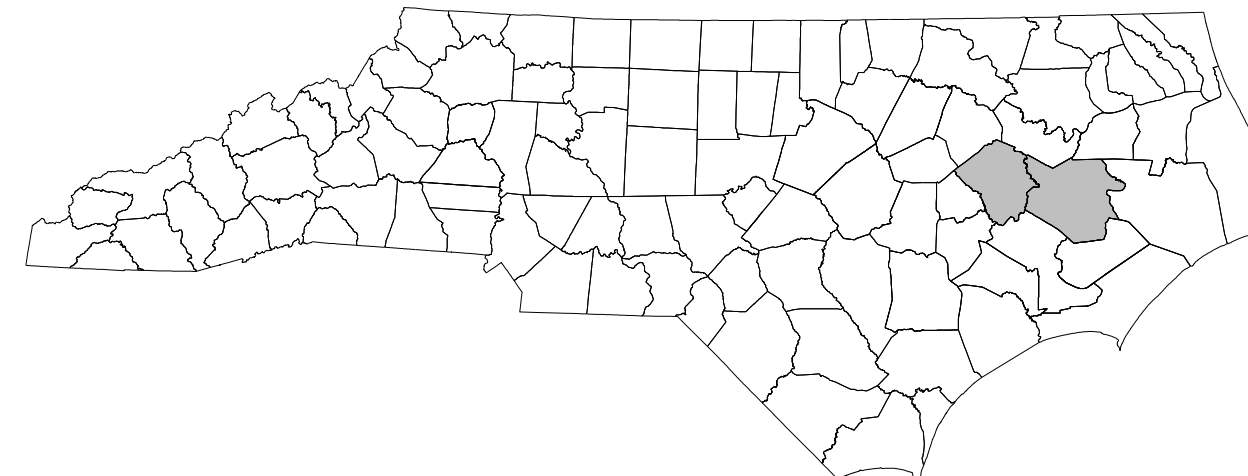


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

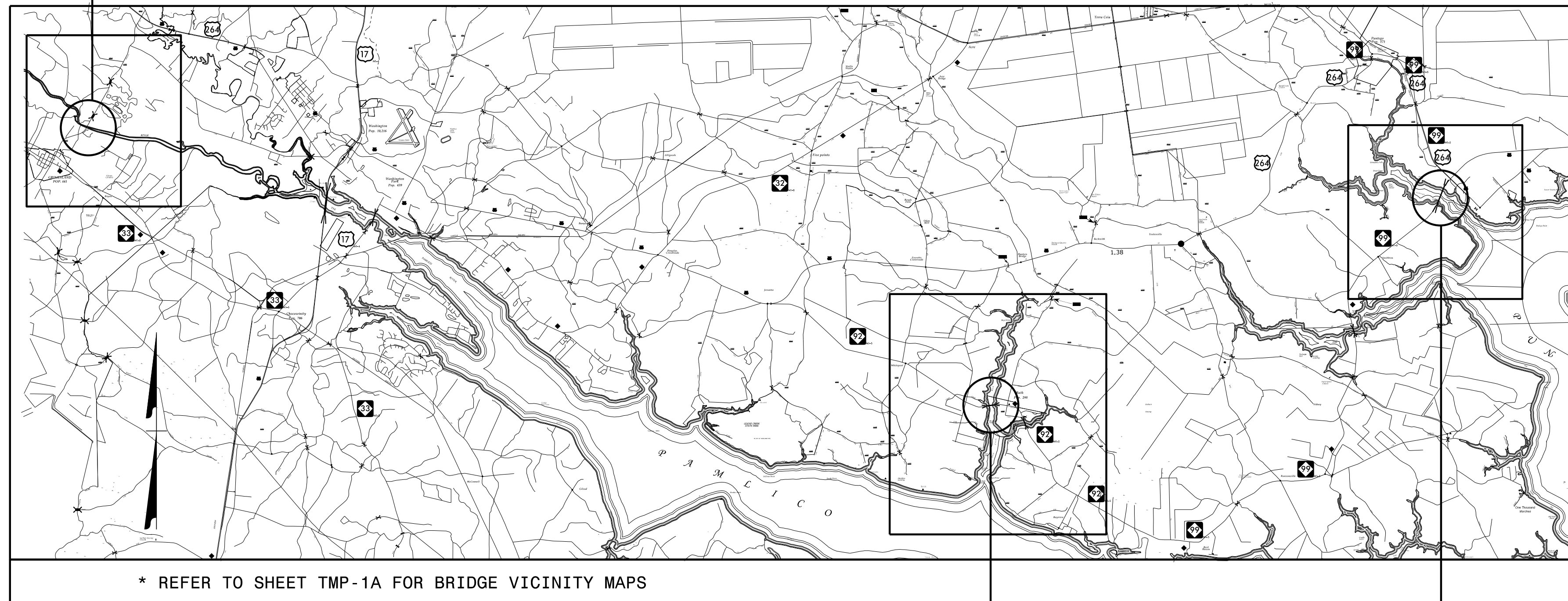
TRANSPORTATION MANAGEMENT PLAN
BEAUFORT AND PITT COUNTIES



LOCATION: BRIDGE NO.16 OVER SOUTH CREEK ON NC 306
BRIDGE NO.27 OVER WHITEHURST CREEK ON NC 306
BRIDGE NO.28 OVER BATH CREEK ON NC 92
BRIDGE NO.77 OVER PANTEGO CREEK ON NC 99
BRIDGE NO.127 OVER TAR RIVER ON SR 1565

TYPE OF WORK: BRIDGE PRESERVATION:
DECK SEAL, JOINTS SEAL, SHOTCRETE, EPOXY INJECTION,
PPC OVERLAY, NAVIGATION SPAN REPLACEMENT

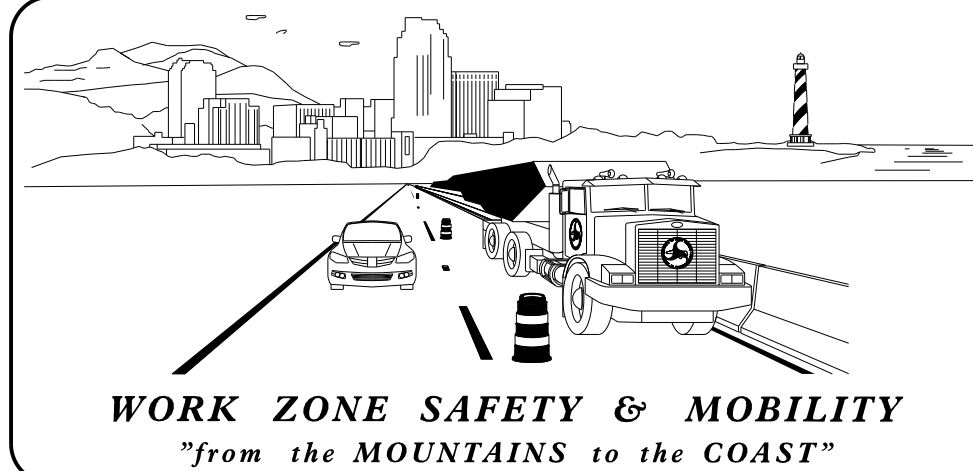
MAP 1*
BRIDGE # 730127



* REFER TO SHEET TMP-1A FOR BRIDGE VICINITY MAPS

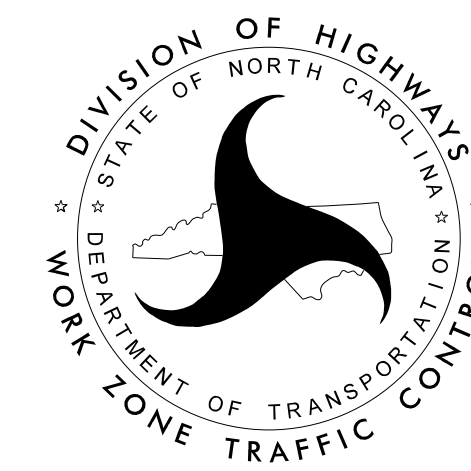
MAP 2*
BRIDGE # 060028

MAP 3*
BRIDGE # 060077



PLANS PREPARED BY:
ALLA LYUDMIRSKAYA
PROJECT DESIGN ENGINEER

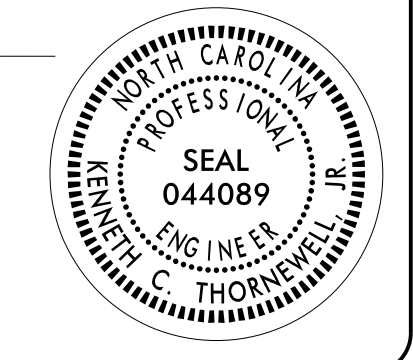
NCDOT CONTACTS:
KENNETH THORNEWELL, PE
PROJECT ENGINEER
ALLA LYUDMIRSKAYA
PROJECT DESIGN ENGINEER



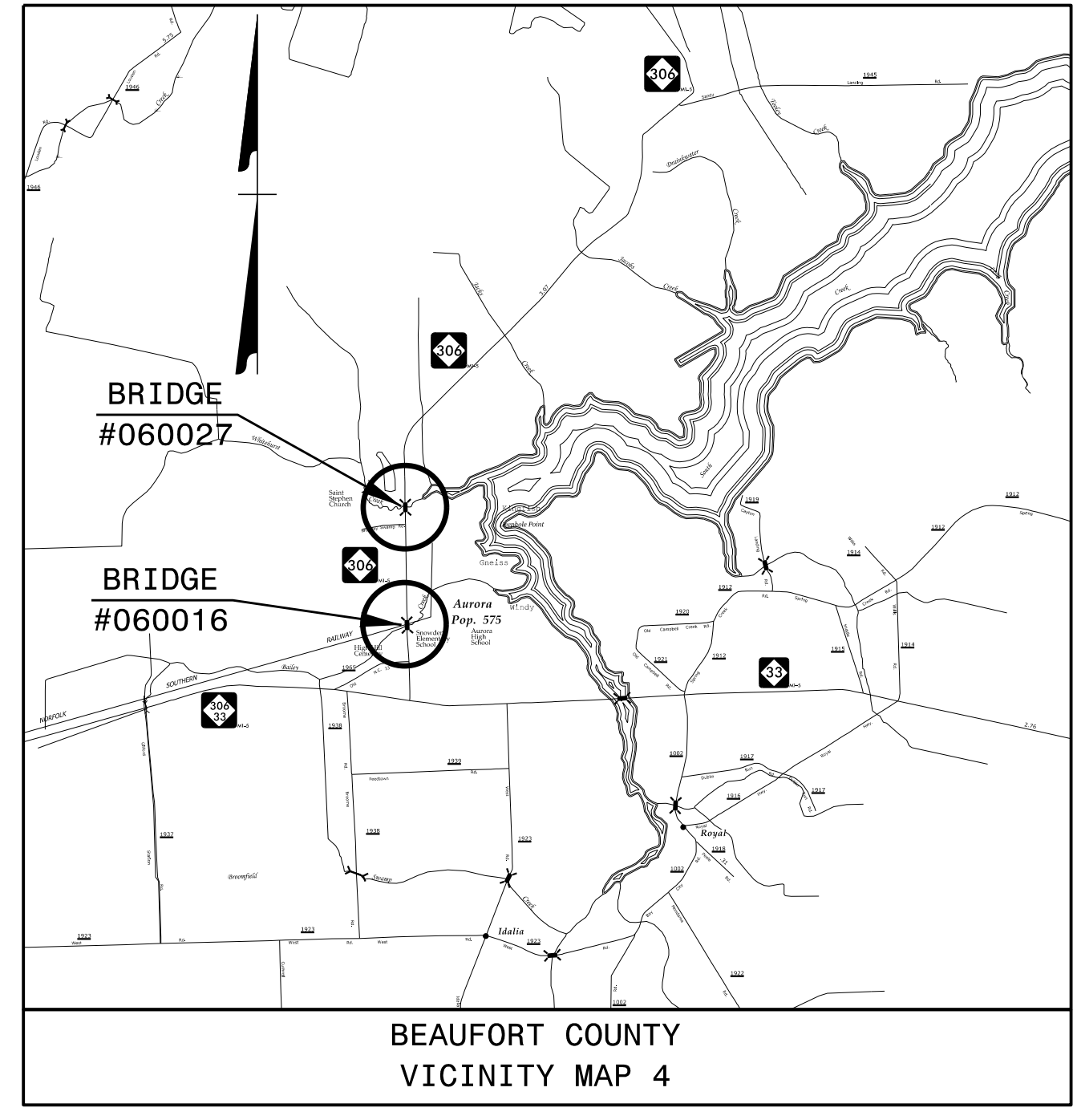
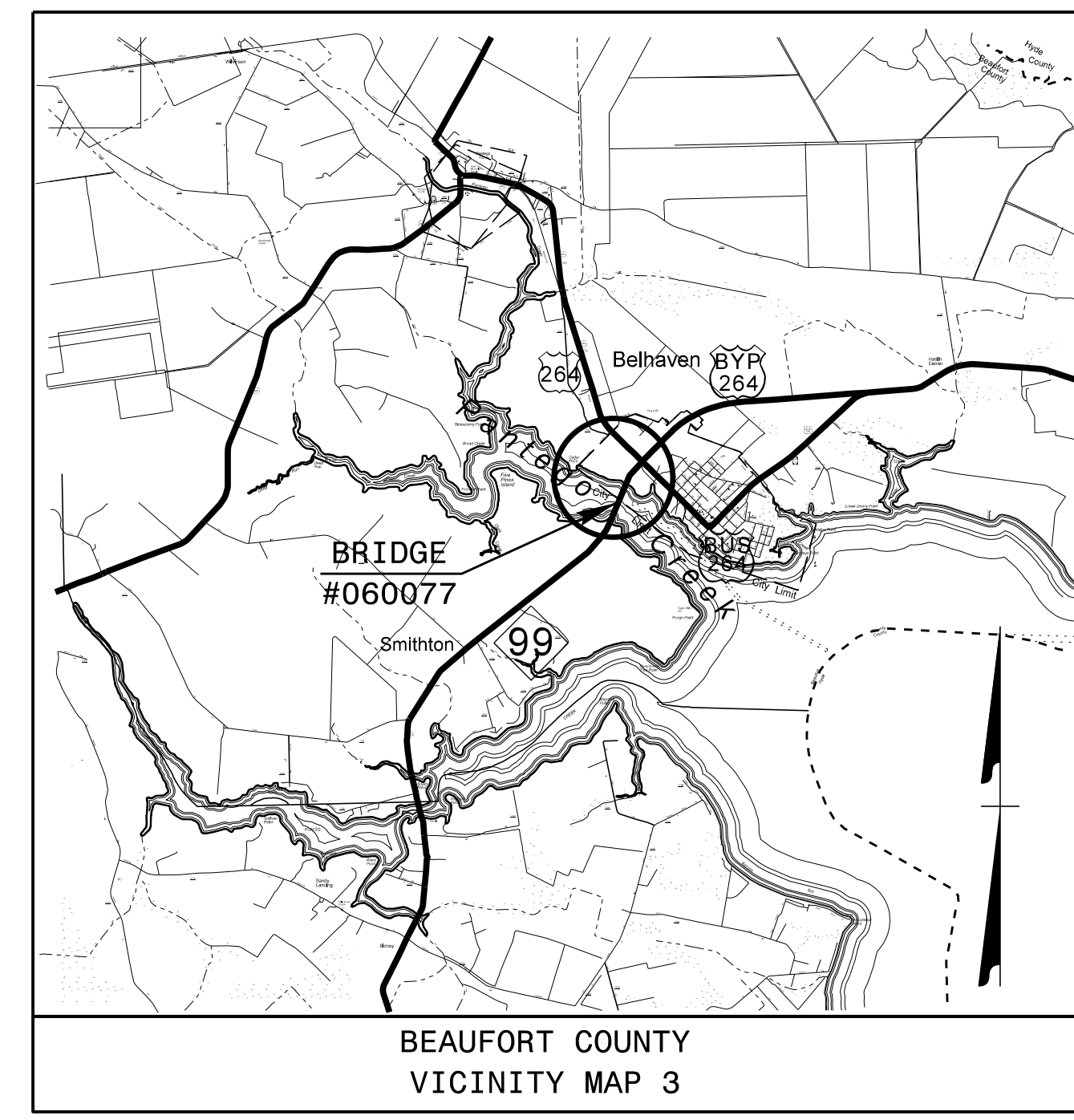
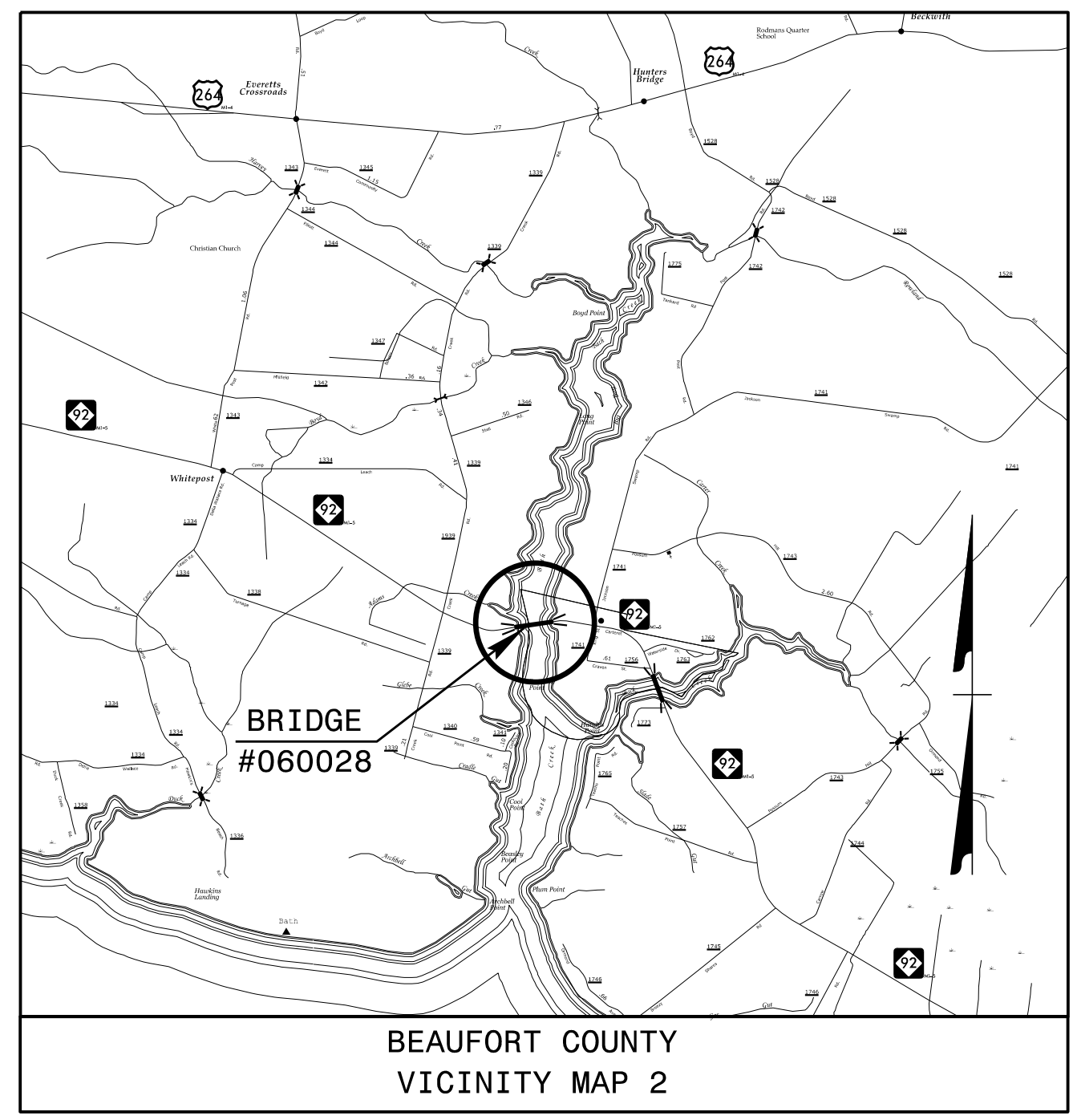
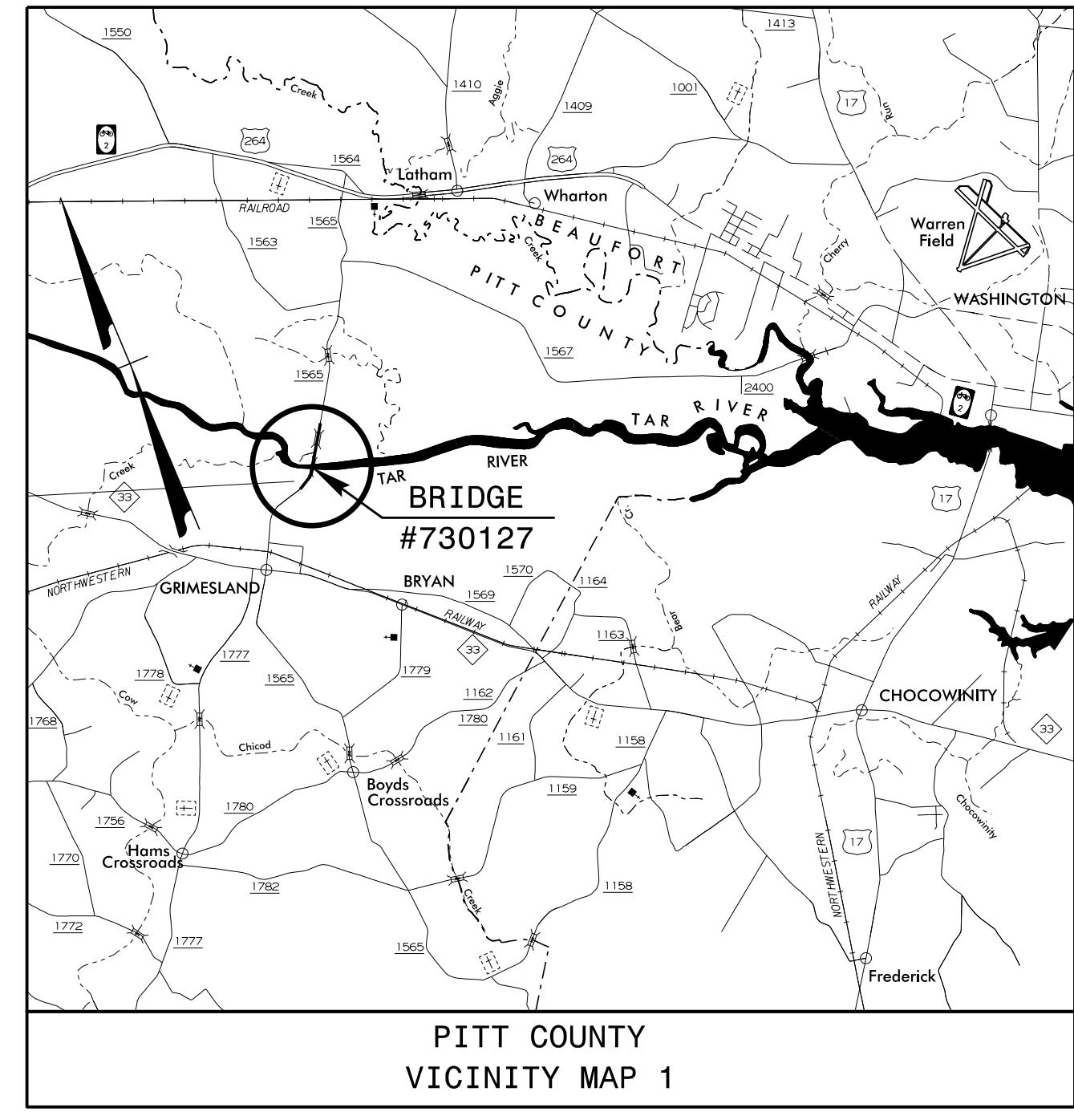
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DATE: 03/23/2022

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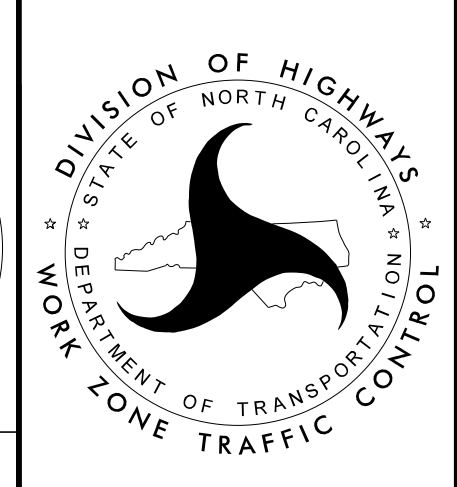
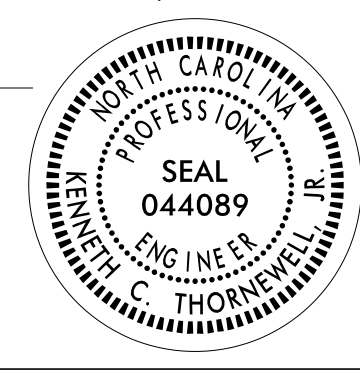


SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	BRIDGE VICINITY MAPS
TMP-1B	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-2 - TMP-2A	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4	TEMPORARY TRAFFIC CONTROL DETAIL 1
TMP-5	TEMPORARY TRAFFIC CONTROL DETAIL 2
TMP-5A	TEMPORARY TRAFFIC CONTROL DETAIL 3
TMP-6	TEMPORARY TRAFFIC CONTROL DETAIL 4
TMP-6A	TEMPORARY TRAFFIC CONTROL DETAIL 5



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 DATE: 03/23/2022
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BRIDGE VICINITY MAPS

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE 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

TEMPORARY PAVEMENT MARKING	
C20	COLD APPLIED PLASTIC TYPE 4 (REM. TAPE), WHITE EDGELINE (6")
C22	COLD APPLIED PLASTIC TYPE 4 (REM. TAPE), 10 FT. WHITE SKIP LINE (6")
C30	COLD APPLIED PLASTIC TYPE 4 (REM. TAPE), YELLOW EDGELINE (6")
C33	COLD APPLIED PLASTIC TYPE 4 (REM. TAPE), YELLOW DOUBLE CENTER (6")
FINAL PAVEMENT MARKING	
V20	POLYUREA (6") WHITE EDGELINE
V22	POLYUREA (6") 10 FT. WHITE SKIP LINE
V30	POLYUREA (6") YELLOW EDGELINE
V33	POLYUREA (6") YELLOW DOUBLE CENTER
FINAL PAVEMENT MARKERS	
MB	CHRISTAL & RED, PERMANENT RAISED

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

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM
- SKINNY DRUM
- TUBULAR MARKER
- 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

PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

APPROVED: <i>Kenneth C. Thornevell Jr., P.E.</i> <small>15991EF27373405</small> DATE: 03/23/2022			ROADWAY STANDARD DRAWINGS & LEGEND
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MANAGEMENT STRATEGIES

- USING ROAD CLOSURE AND OFF-SITE DETOUR FOR NC 92 AS FOLLOW:
US 264 TO SR 1528 (S. BOYD RD.) TO SR 1742 (POST RD.) TO SR 1741 (JACKSON SWAMP RD.), COMPLETE SPAN REPLACEMENT AND ALL REQUIRED BRIDGE PRESERVATION WORK ON THE BRIDGE # 060028 OVER BATH CREEK IN SIXTY (60) CONSECUTIVE CALENDAR DAYS BETWEEN LABOR DAY AND MEMORIAL DAY.
- USING ROAD CLOSURE AND OFF-SITE DETOUR FOR NC 99 AS FOLLOW:
SR 1714 (SEED TICK NECK RD.) TO US 264, COMPLETE ALL REQUIRED BRIDGE PRESERVATION WORK ON THE BRIDGE # 060077 OVER PANTEGO CREEK IN SIXTY (60) CONSECUTIVE CALENDAR DAYS BETWEEN LABOR DAY AND MEMORIAL DAY.
- USING FLAGGER OPERATIONS, COMPLETE ALL REQUIRED BRIDGE PRESERVATION WORK ON BRIDGES # 060016 ON NC 306 OVER SOUTH CREEK, AND # 060027 ON NC 306 OVER WHITEHURST CREEK, AND # 730127 ON SR 1565 (GRIMESLAND BRIDGE RD.) OVER TAR RIVER.

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	DAY AND TIME RESTRICTIONS
NC 92	FROM 6:30 AM THE FRIDAY BEFORE MEMORIAL DAY TO 5:30 PM THE TUESDAY AFTER LABOR DAY
NC 99	

- B) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
SR 1565 (GRIMESLAND BRIDGE RD.)	MONDAY THROUGH FRIDAY FROM 6:30AM TO 8:30AM AND FROM 4:00PM TO 6:00PM

- C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
NC 92	FROM 6:30 AM THE FRIDAY BEFORE MEMORIAL DAY TO 5:30 PM THE TUESDAY AFTER LABOR DAY
NC 99	

- D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
SR 1565 (GRIMESLAND BRIDGE RD.)	MONDAY THROUGH FRIDAY 6:30AM TO 8:30AM AND 4:00PM TO 6:00PM	30 MIN. SHOTCRETE, HYDRO-DEMOL., ETC. WORK

- E) 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

- F) 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.

- G) 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.

- H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, 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 ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

- I) 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.

- J) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON US 17 AND US 17BUS.

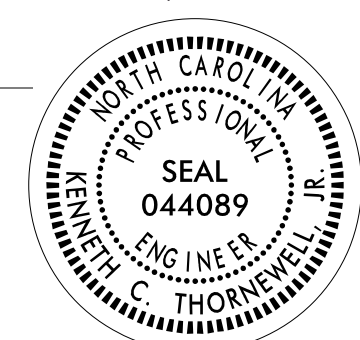

- K) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- L) 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.

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<p>APPROVED: <i>Kenneth C. Thornewell Jr., P.E.</i> 1E991EF27373405...</p> <p>DATE: 03/23/2022</p> <div style="text-align: center;">  </div>		<h2 style="margin: 0;">TRANSPORTATION OPERATION PLAN</h2>
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GENERAL NOTES CONTINUED

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.

- M) 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) 200 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- O) 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.

- P) 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.

- Q) 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.

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

TRAFFIC CONTROL DEVICES

- S) 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.

- T) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

- U) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
NC 92 (ON STRUCTURE)	COLD APPLIED PLASTIC TYPE IV (6")	NA
NC 99 (ON STRUCTURE)	COLD APPLIED PLASTIC TYPE IV (6")	NA
NC 306 (ON STRUCTURE)	COLD APPLIED PLASTIC TYPE IV (6")	NA
SR 1565 (ON STRUCTURE)	COLD APPLIED PLASTIC TYPE IV (6")	NA

- W) INSTALL FINAL PAVEMENT MARKINGS AND FINAL PAVEMENT MARKERS ON ALL STRUCTURES AS FOLLOWS:

ROAD NAME	MARKING	MARKER
NC 92 (ON STRUCTURE)	POLYUREA (6")	PERMANENT RAISED
NC 99 (ON STRUCTURE)	POLYUREA (6")	PERMANENT RAISED
NC 306 (ON STRUCTURE)	POLYUREA (6")	PERMANENT RAISED
SR 1565 (ON STRUCTURE)	POLYUREA (6")	PERMANENT RAISED

- X) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

- Y) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

- Z) LAW ENFORCEMENT BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

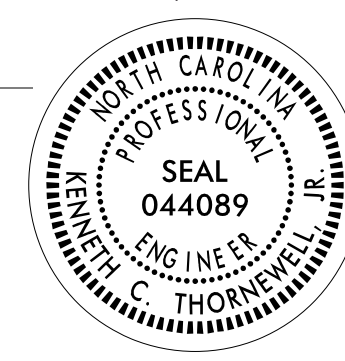
- AA) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

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.

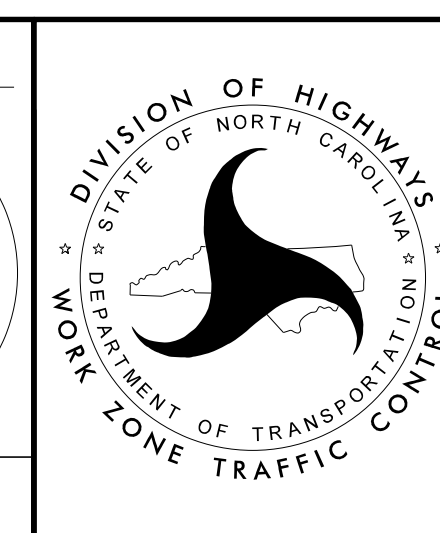
- BB) INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS ON US 264 AND NC 99 SEVEN (7) DAYS PRIOR CLOSURE OF NC 92 AND/OR NC 99. REVISE MESSAGES ON PCMSs, ONCE THE ROADS ARE CLOSED.

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APPROVED: *Kenneth C. Thornwell Jr., P.E.*
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 DATE: 03/23/2022



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**TRANSPORTATION
OPERATION
PLAN**

PHASING

NOTES:

1. BRIDGES MAY BE WORKED ON SEPARATELY OR CONCURRENTLY.
2. CONTRACTOR SHALL PERFORM ALL WORK AS SHOWN IN THE CONTRACT AND STRUCTURES PLANS IN ACCORDANCE WITH ALL COAST GUARD REGULATIONS & REQUIREMENTS.
2. CONTRACTOR SHALL REVIEW AND RECORD THE EXISTING PAVEMENT MARKINGS AND MARKERS PRIOR TO CONSTRUCTION. USE THIS RECORD OF EXISTING PAVEMENT MARKINGS AND MARKERS IN CONJUNCTION WITH THE ROADWAY STANDARD DRAWINGS TO RE-ESTABLISH THE EXISTING PAVEMENT MARKINGS AND MARKERS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. AT THE END OF EACH WORK PERIOD REPLACE ANY PAVEMENT MARKINGS THAT HAVE BEEN OBLITERATED BY WORK OPERATIONS. REMOVE ANY TRAFFIC CONTROL DEVICES REMAINING ON THE TRAVEL LANES AND RESTORE EXISTING TRAFFIC PATTERN.
4. CONTRACTOR SHALL, WHEN NOTIFIED, ASSIST WIDE LOAD VEHICLES THRU THE WORK AREA. THIS ASSISTANCE MAY REQUIRE THAT TRAFFIC BE STOPPED IN ONE DIRECTION UNTIL THE WIDE LOAD VEHICLES HAVE CLEARED THE WORK AREA.

STRUCTURES # 060016, 060027, 730127:

- USING RSD 1101.01, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON NS 306, AND SR 1565 (GRIMESLAND BRIDGE RD).
- USING RSD 1101.02, SHEET 1 OF 14, AND SHEET TMP-4, PERFORM BRIDGE PRESERVATION WORK ON STRUCTURES (SEE STRUCTURES PLANS).
- REPEAT THE WORK OPERATIONS UNTIL REQUIRED REPAIR/CONSTRUCTION IS COMPLETED AS DIRECTED BY THE ENGINEER.
- PLACE FINAL PAVEMENT MARKINGS AND MARKERS, AND RETURN TRAFFIC TO EXISTING PATTERN.
- REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

ICT:

WORK IN CONTINUOUS MANNER TO COMPLETE REQUIRED WORK ON STRUCTURE # 060028 BETWEEN THE DAY AFTER LABOR DAY AND IN SIXTY-ONE (61) CONSECUTIVE CALENDAR DAYS PRIOR MEMORIAL DAY OF THE FOLLOWING YEAR (REFER TO INTERMEDIATE CONTRACT TIME FOR LIQUIDATED DAMAGES).

STRUCTURE # 060028:

- USING RSD 1101.02, SHEET 1 OF 14 AS NEEDED, INSTALL AND COVER ROAD CLOSURE SIGNS AND DETOUR SIGNS FOR NC 92 ACCORDING TO SHEETS TMP-5 AND TMP-5A.
- USING SHEET TMP-5, INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) ON US 264 SEVEN (7) DAYS PRIOR CLOSURE OF NC 92.
- UNCOVER ALL ROAD CLOSURE SIGNS AND DETOUR SIGNS INSTALLED IN STEP 2, AND USING RSD 1101.03, SHEET 1 OF 9, AND SHEETS TMP-5 AND TMP-5A, CLOSE NC 92 AND DETOUR TRAFFIC OFF-SITE.
- REVISE MESSAGES ON PCMSs, ONCE THE ROAD IS CLOSED (SEE SHEET TMP-5).
- AWAY FROM TRAFFIC, PERFORM A SPAN REPLACEMENT ON THE BRIDGE # 060028 OVER THE MAIN NAVIGATION CHANNEL, AND COMPLETE ALL REQUIRED BRIDGE PRESERVATION WORK (SEE STRUCTURES PLANS).
- PLACE FINAL PAVEMENT MARKINGS AND MARKERS, AND RETURN TRAFFIC TO EXISTING PATTERN ON NC 92.
- REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

ICT:

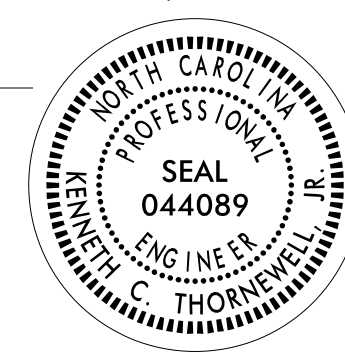
WORK IN CONTINUOUS MANNER TO COMPLETE REQUIRED WORK ON STRUCTURE # 060077 BETWEEN THE DAY AFTER LABOR DAY AND IN SIXTY-ONE (61) CONSECUTIVE CALENDAR DAYS PRIOR MEMORIAL DAY OF THE FOLLOWING YEAR (REFER TO INTERMEDIATE CONTRACT TIME FOR LIQUIDATED DAMAGES).

STRUCTURE # 060077:

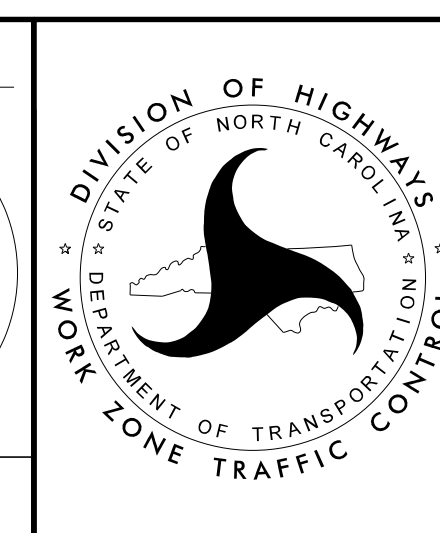
- USING RSD 1101.02, SHEET 1 OF 14 AS NEEDED, INSTALL AND COVER ROAD CLOSURE SIGNS AND DETOUR SIGNS FOR NC 99 ACCORDING TO SHEETS TMP-6 AND TMP-6A.
- USING SHEET TMP-6, INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) ON US 264 SEVEN (7) DAYS PRIOR CLOSURE OF NC 99.
- UNCOVER ALL ROAD CLOSURE SIGNS AND DETOUR SIGNS, AND USING RSD 1101.03, SHEET 1 OF 9, AND SHEETS TMP-6 AND TMP-6A, CLOSE NC 99 AND DETOUR TRAFFIC OFF-SITE.
- REVISE MESSAGES ON PCMSs, ONCE THE ROAD IS CLOSED (SEE SHEET TMP-6).
- AWAY FROM TRAFFIC, COMPLETE ALL REQUIRED BRIDGE # 060077 PRESERVATION WORK OVER PANTEGO CREEK (SEE STRUCTURES PLANS).
- PLACE FINAL PAVEMENT MARKINGS AND MARKERS, AND RETURN TRAFFIC TO EXISTING PATTERN ON NC 99.
- REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

APPROVED: *Kenneth C. Hornevell Jr., P.E.*
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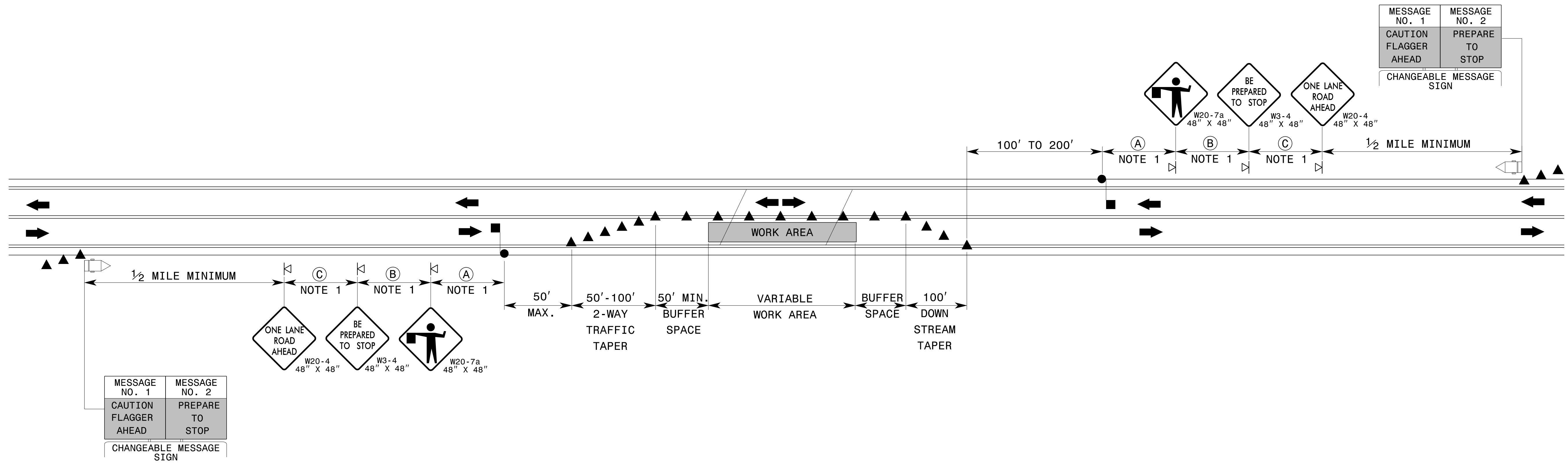
DATE: 03/23/2022



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**TEMPORARY TRAFFIC
CONTROL PHASING**



NOTES:

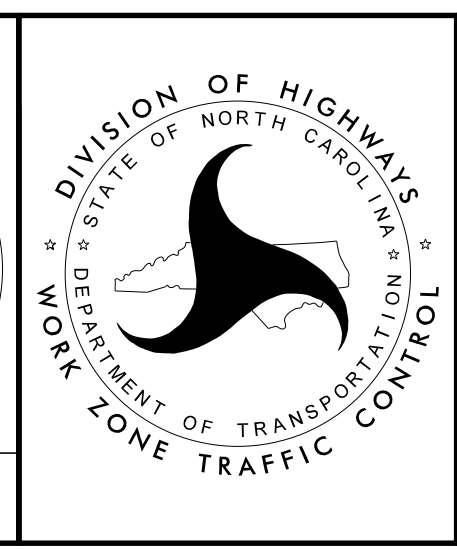
- REFER TO RSD 1101.11, SHEET 4 OF 4, FOR SIGN SPACING.
- INSTALL LANE CLOSURES WITH THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE UPSTREAM SIDE OF TRAFFIC.
- REMOVE LANE CLOSURES AGAINST THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE DOWNSTREAM SIDE OF TRAFFIC.
- PLACE CONES THRU THE WORK AREA AT THE MAXIMUM SPACING EQUAL IN FEET TO 2 TIMES THE POSTED SPEED LIMIT.
- EXTEND LANE CLOSURES AT THE BUFFER SPACE SUCH THAT STOPPING SIGHT DISTANCE IS PROVIDED TO THE FLAGGER (REFER TO RSD. 1101.11, SHEET 2).
- IF THE TRAVELWAY WIDTH IS 22' OR LESS, OR IF A PILOT CAR IS USED, CHANNELIZING DEVICES MAY NOT BE REQUIRED ALONG THE WORK AREA. CHENNELIZING DEVICES ARE ALWAYS REQUIRED IN THE TWO-WAY TRAFFIC TAPER AND DOWNSTREAM TAPER.
- EXTEND LANE CLOSURES AT THE BUFFER SPACE SUCH THAT STOPPING SIGHT DISTANCE IS PROVIDED TO THE FLAGGER. (REFER TO THE MINIMUM STOPPING SITE DISTANCE TABLE ON RSD 1101.11, SHEET 2 OF 4).
- DO NOT STOP TRAFFIC IN ANY ONE DIRECTION FOR MORE THAN 5 MINUTES AT A TIME.
- DRUMS OR SKINNY DRUMS MAY BE USED IN LIEU OF CONES. REFER TO RSD. 1180.01 FOR SKINNY DRUM REQUIREMENTS.
- USE THE PILOT CAR METHOD WHEN DIRECTED BY THE ENGINEER. MOUNT SIGN G20-4 "PILOT CAR FOLLOW ME" AT A VISIBLE LOCATION ON THE REAR OF THE PILOT CAR.
- IF ROADWAY WIDTH IS LESS THAN 22 FEET (EOP TO EOP), CONES MAY NOT BE REQUIRED ALONG WORK AREA, AND AT THE DISCRETION OF THE ENGINEER, CONES MAY BE OMITTED ALONG THE WORK AREA IF USING A PILOT CAR.
- FLAGGERS SHALL NOT STAND IN A LANE USED BY MOVING TRAFFIC. FLAGGERS SHALL STAND ON SHOULDER, WITHIN A CLOSED LANE, OR IN A LANE ONLY ONCE TRAFFIC IS STOPPED.
- ADVISE RESIDENTS AND BUSINESSES WITHIN THE LANE CLOSURE LIMITS ABOUT METHODS OF SAFE EGRESS AND INGRESS FROM DRIVEWAYS DURING FLAGGING AND PILOT CAR OPERATIONS.
- CHANGEABLE MESSAGE SIGN WORD MESSAGES AND LOCATIONS ARE TO BE APPROVED BY THE ENGINEER. ADDITIONAL MESSAGES MAY BE REQUIRED SUCH AS FOR PUBLIC INFORMATION OR DURING SPECIAL EVENTS.

LEGEND

- PORTABLE SIGN
- FLAGGER OR POLICE OFFICER
- DIRECTION OF TRAFFIC FLOW

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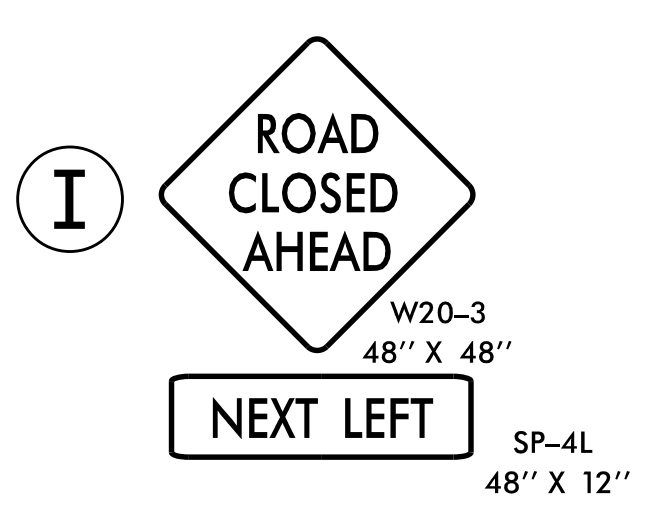
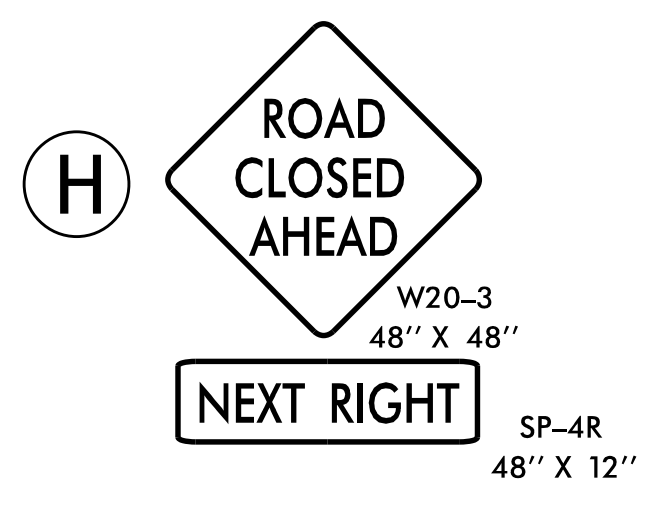
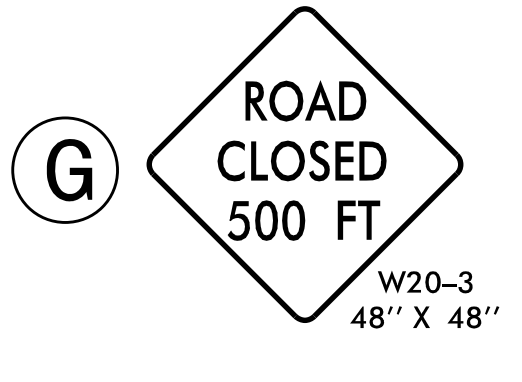
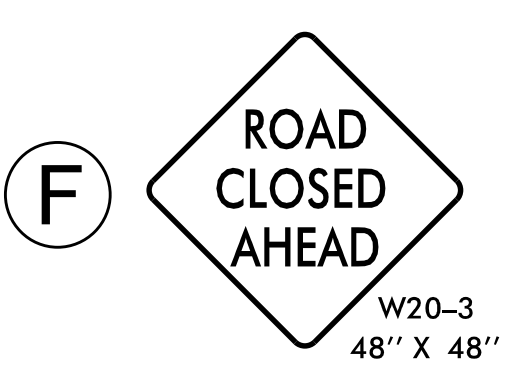
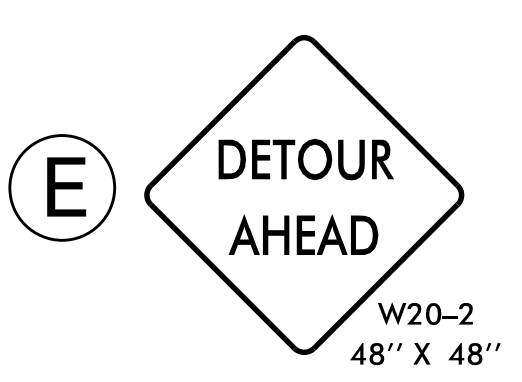
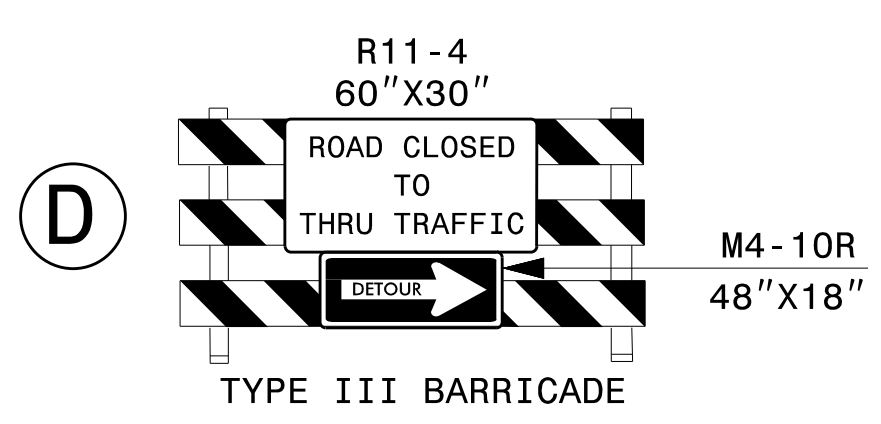
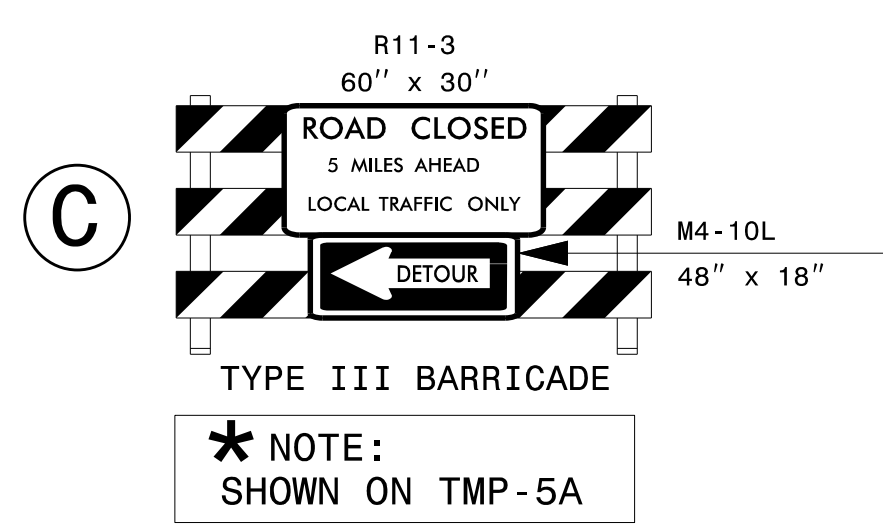
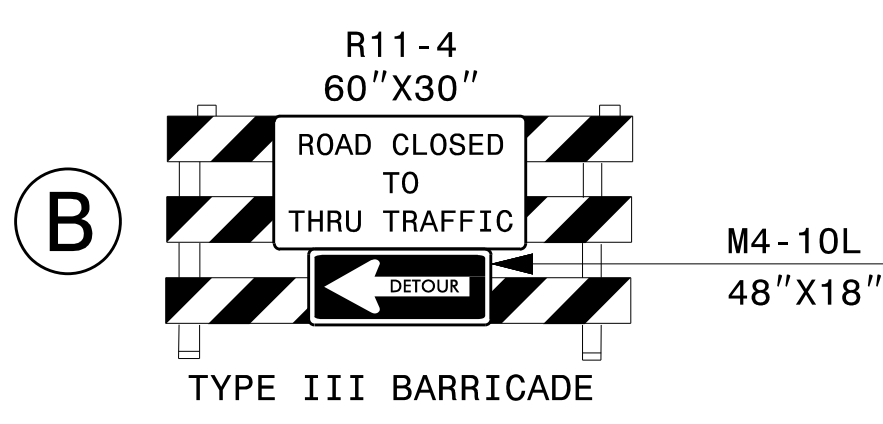
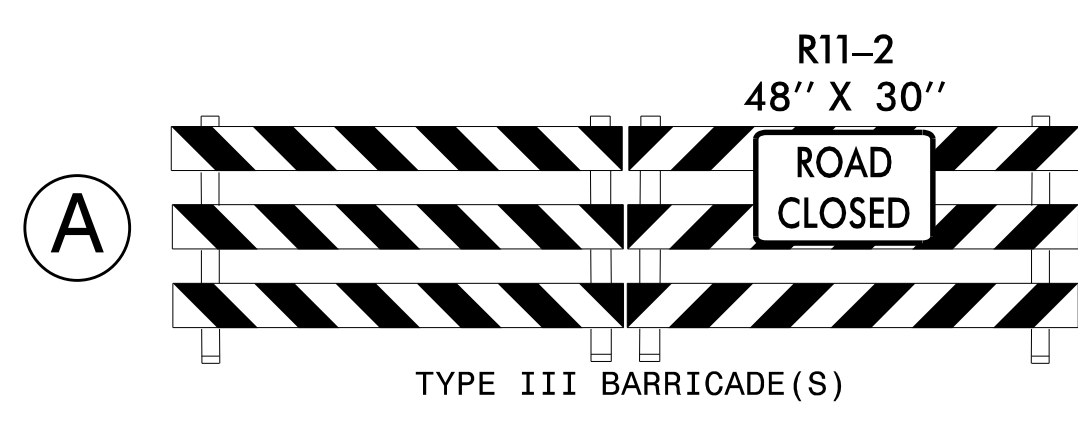
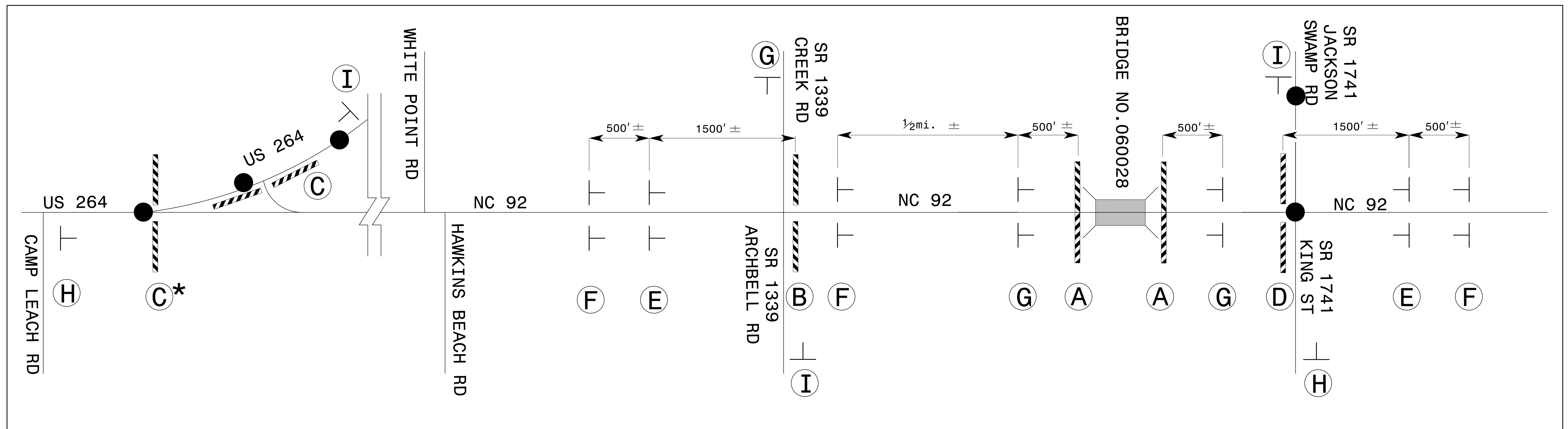
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DETAIL 1
TEMPORARY LANE CLOSURES
TWO-LANE, TWO-WAY ROADWAY
1 LANE CLOSED

3/15/2022
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 User:skaya

INSET 'A'



NOTES:
 1. REFER TO RSD 1101.03, SHEET 1 OF 9, FOR APPLICABLE NOTES.
 2. REFER TO SHEET TMP-5 FOR OFF-SITE DETOUR ROUTE.

APPROVED: *Kenneth C. Thornewell, Jr., P.E.*
 DATE: 03/23/2022

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 044089
 KENNETH C. THORNEWELL, JR., P.E.

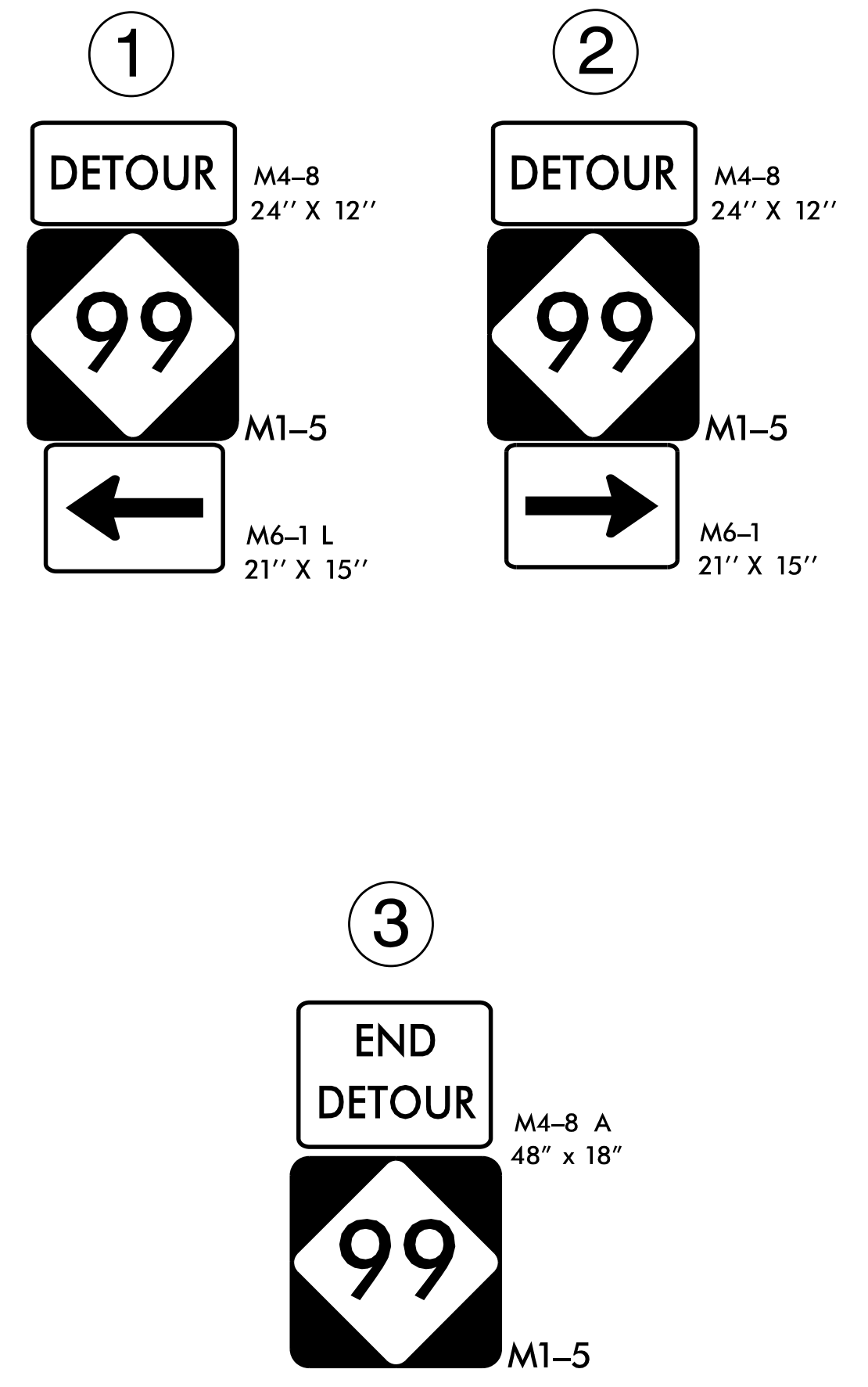
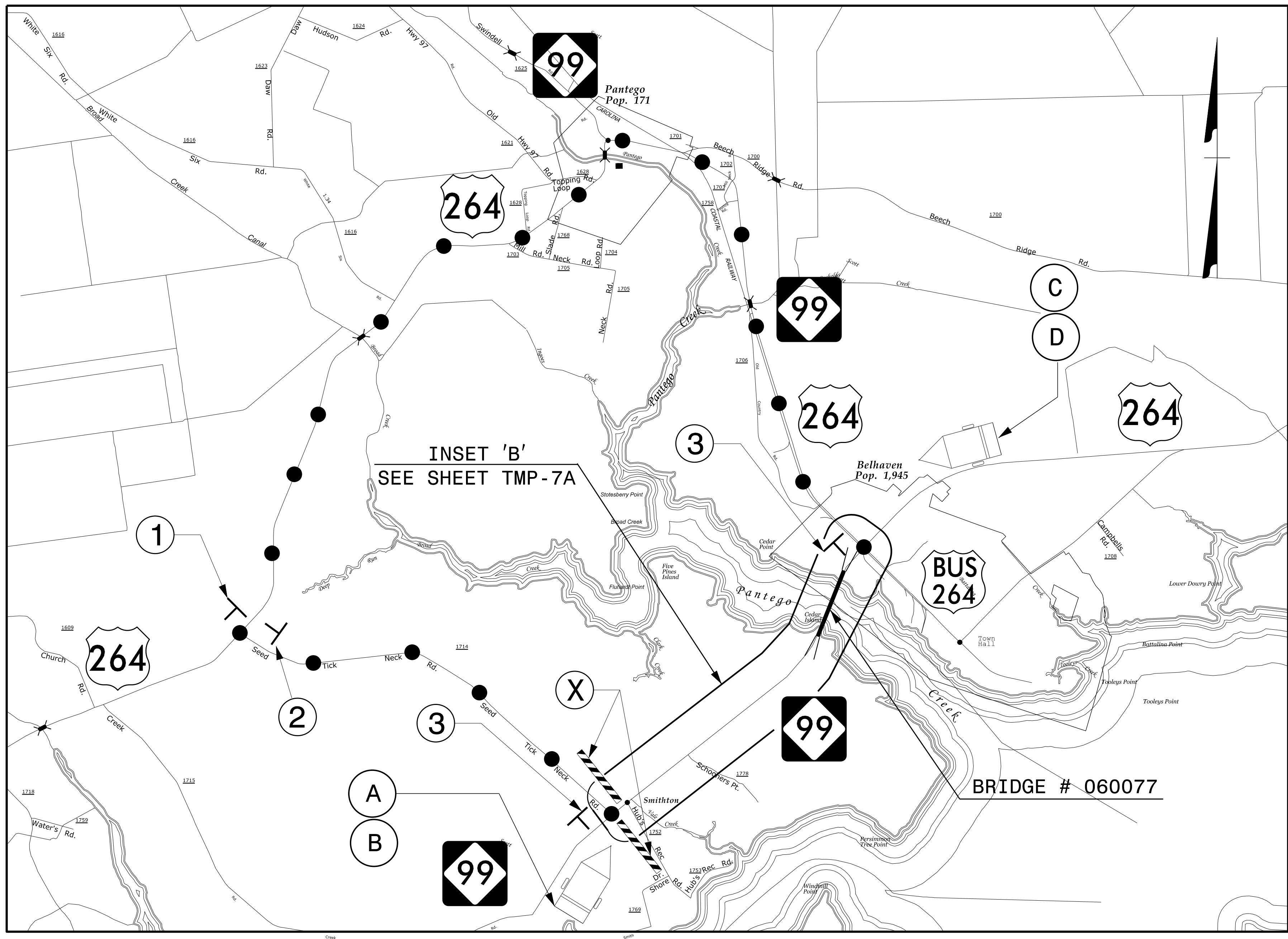
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DETAIL 3
 OFF-SITE DETOUR
 (INSET 'A')

3/16/2022
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 User: rdyudmi

VICINITY MAP: BEAUFORT COUNTY



OFF-SITE DETOUR: ● — ● — ● — ● — ●

(A)
TO BE INSTALLED
7 DAYS PRIOR
ROAD CLOSURE

MESSAGE NO. 1	MESSAGE NO. 2
BRIDGE ON NC 99 CLSD AHD	FROM XX-XX-XX

CHANGEABLE MESSAGE SIGN

(B)
TO BE INSTALLED
WITH ROAD CLOSURE
AND DETOUR

MESSAGE NO. 1	MESSAGE NO. 2
BRIDGE ON NC 92 CLSD AHD	FOLLOW DETOUR SIGNS

CHANGEABLE MESSAGE SIGN

(C)
TO BE INSTALLED
7 DAYS PRIOR
ROAD CLOSURE

MESSAGE NO. 1	MESSAGE NO. 2
NC 99S CLOSED AHEAD	FROM XX-XX-XX

CHANGEABLE MESSAGE SIGN

(D)
TO BE INSTALLED
WITH ROAD CLOSURE
AND DETOUR

MESSAGE NO. 1	MESSAGE NO. 2
NC 99S CLOSED AHEAD	FOLLOW DETOUR SIGNS

CHANGEABLE MESSAGE SIGN

(X)
R11-4
60"X30"

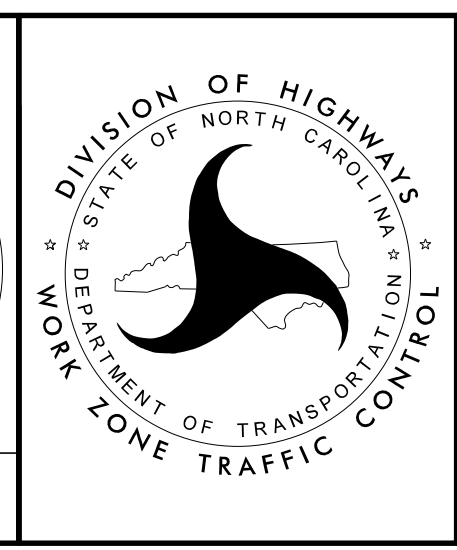
TYPE III BARRICADE

M4-10L
48"X18"

NOTES:
1. ALL DETOUR SIGN AND PCMS LOCATIONS ARE APPROXIMATE.
2. INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS ON US 264 AND NC 99 SEVEN (7) DAYS PRIOR CLOSURE OF NC 99. REVISE MESSAGES ON PCMS, ONCE THE ROAD IS CLOSED.
3. REFER TO SHEET TMP-6A FOR INSET 'B'.

APPROVED: *Kenneth C. Hornevell, Jr., P.E.*
DATE: 03/23/2022

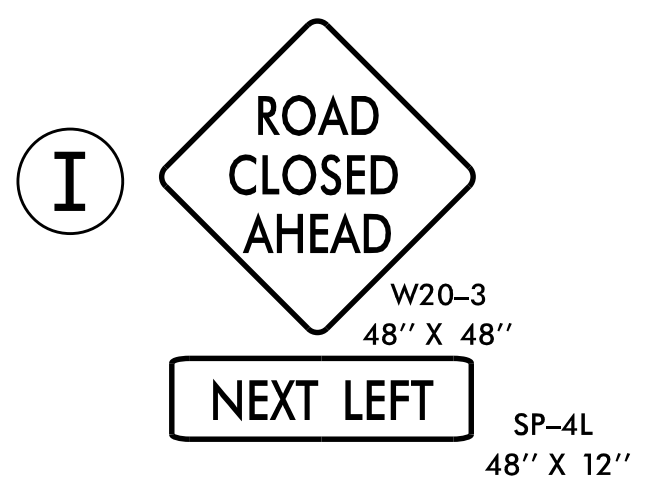
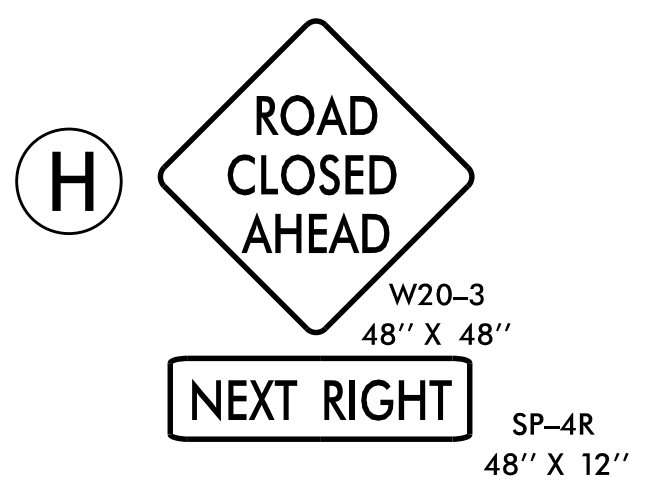
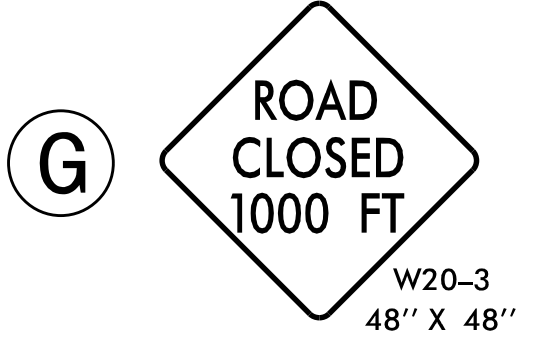
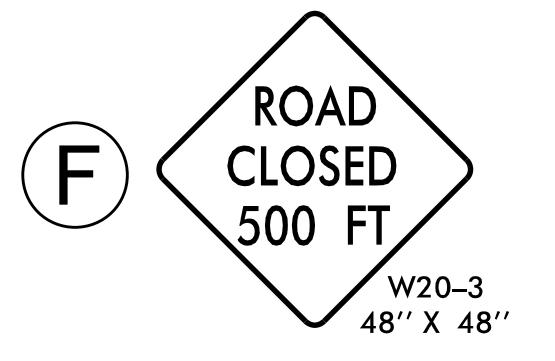
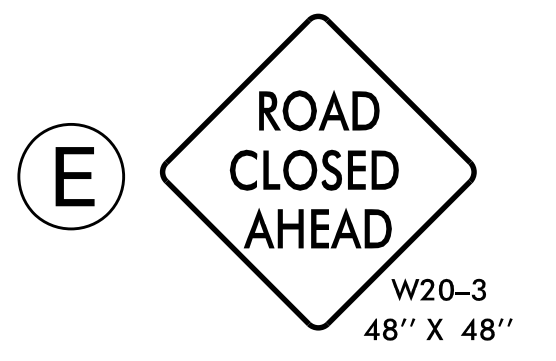
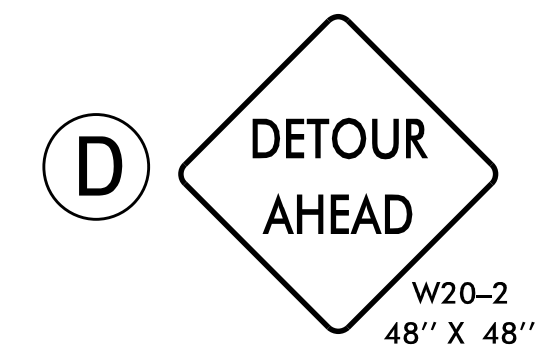
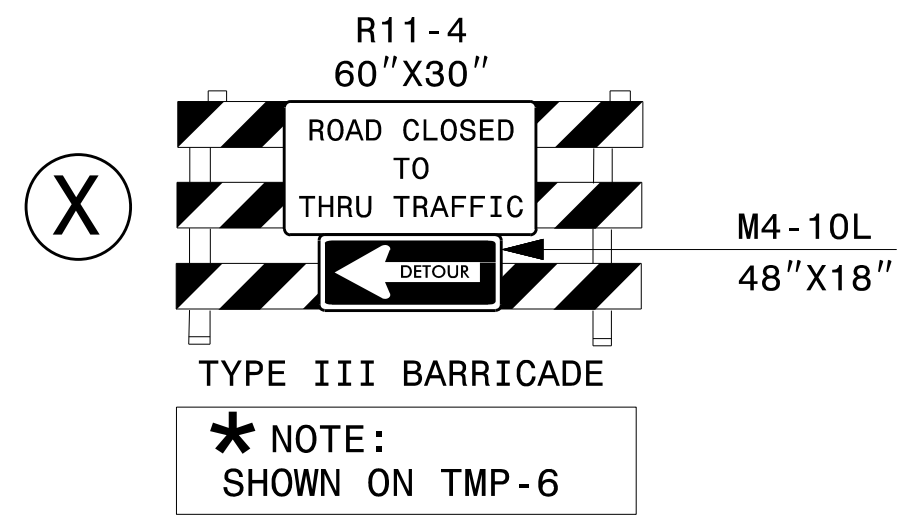
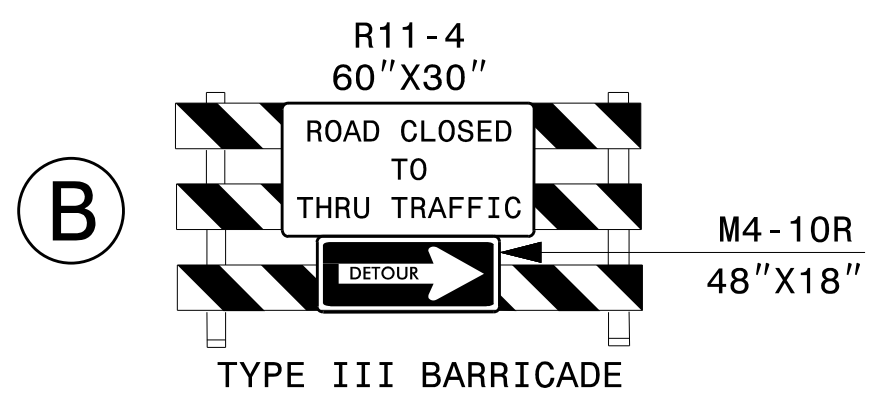
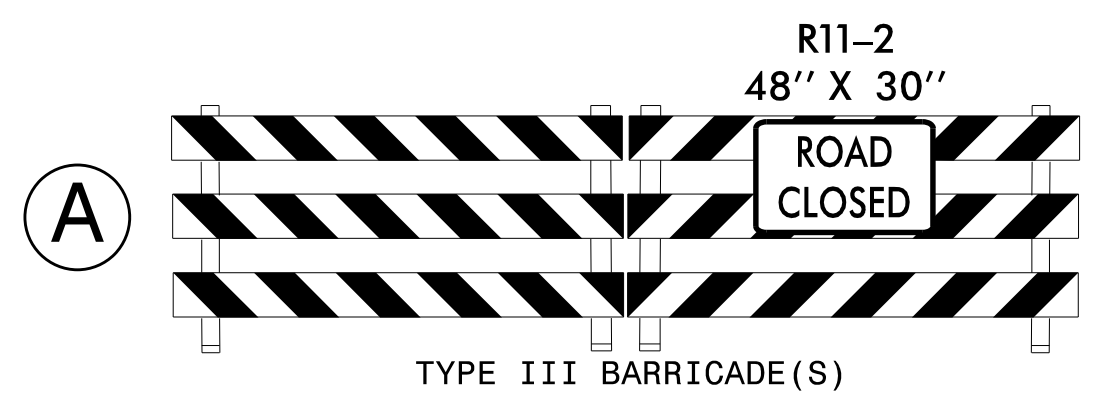
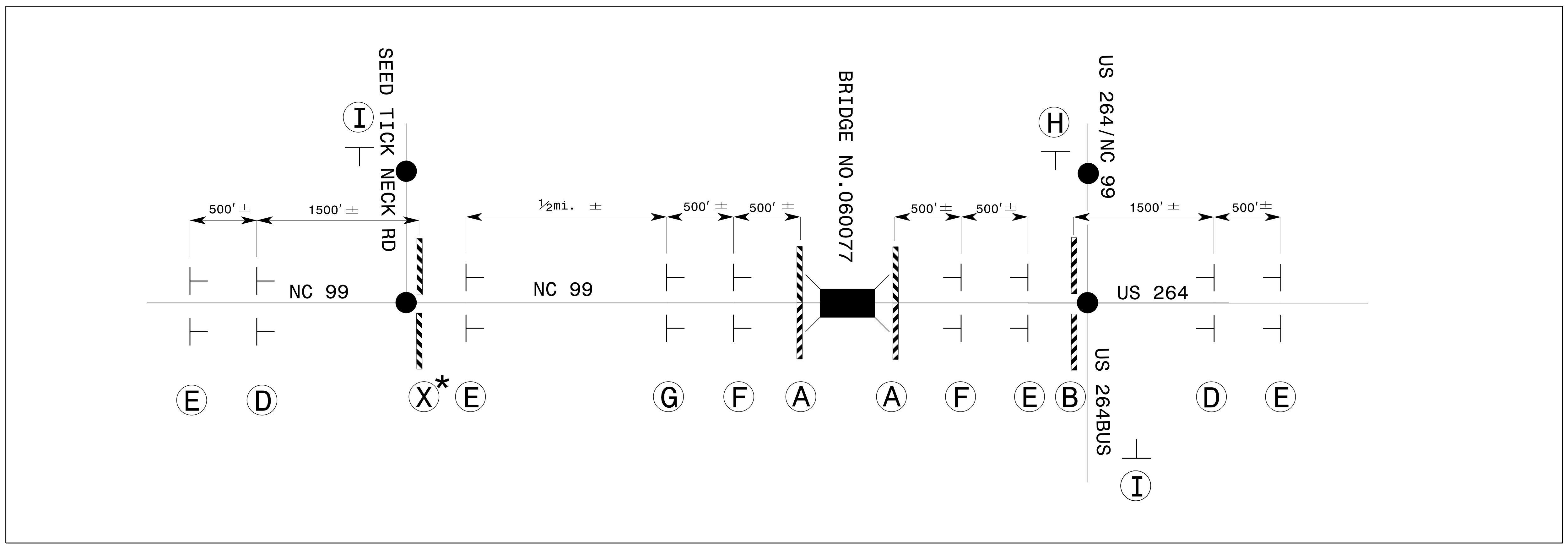
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DETAIL 4
OFF-SITE DETOUR ROUTE
FOR NC 99

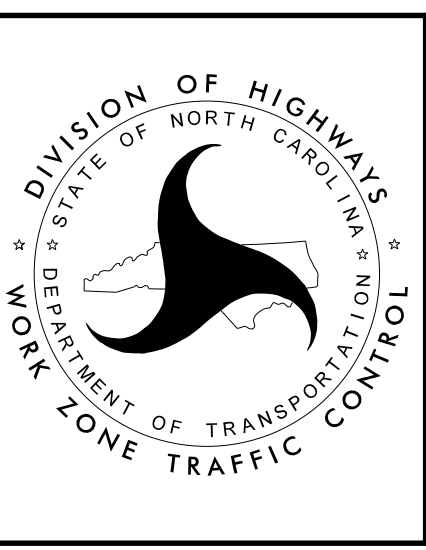
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INSET 'B'



NOTES:
 1. REFER TO RSD 1101.03, SHEET 1 OF 9, FOR APPLICABLE NOTES.
 2. REFER TO SHEET TMP-6 FOR OFF-SITE DETOUR ROUTE.

APPROVED: *Kenneth C. Thornewell, Jr., P.E.*
 DATE: 03/23/2022
 SEAL 044089
 ENGINEER
 KENNETH C. THORNEWELL, P.E.
 15991EF27373405



DETAIL 5
 OFF-SITE DETOUR
 (INSET 'B')

3/16/2022
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