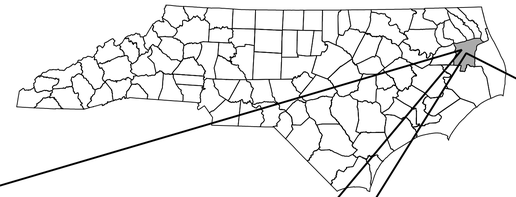
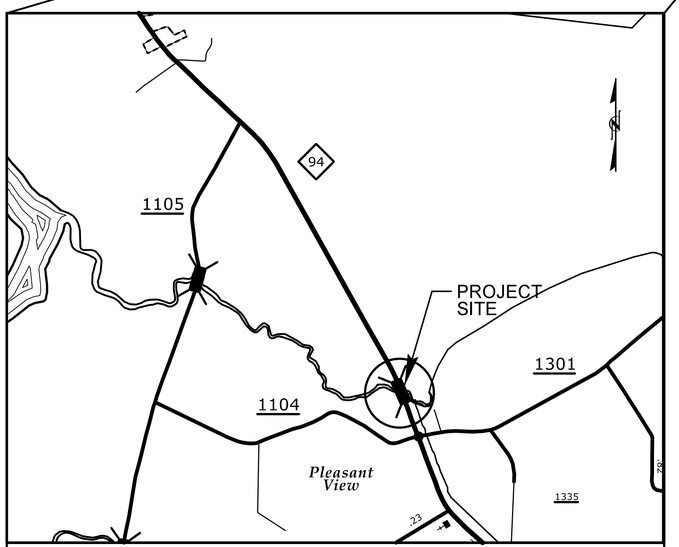
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

TYRRELL COUNTY

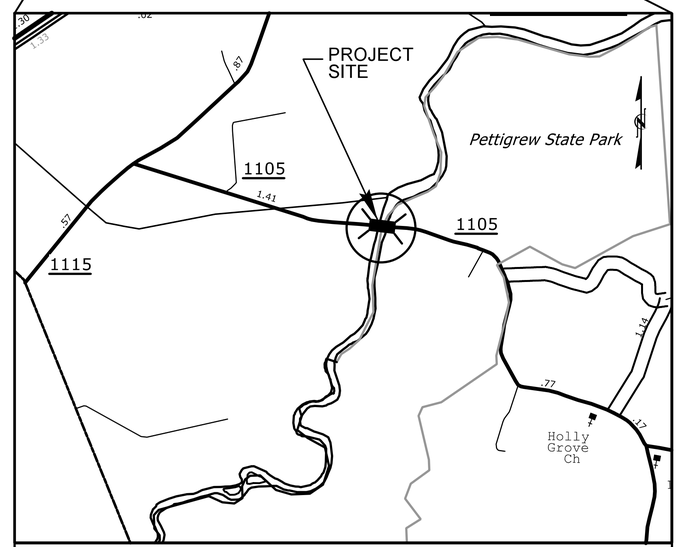




VICINITY MAP

AREA 1

LOCATION: BRIDGE #8 ON NC 94 ACROSS RIDERS CREEK

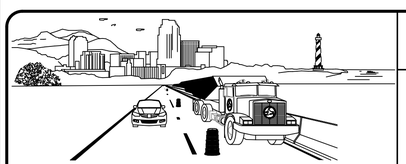


VICINITY MAP

AREA 2

LOCATION: BRIDGE #21 ON SR 1105 ACROSS THE SCUPPERNONG RIVER

TYPE OF WORK: BRIDGE PRESERVATION - BRIDGE PRESERVATION WITH EPOXY OVERLAY SYSTEM, JOINT REPLACEMENT, CLEANING AND PAINTING OF STRUCTURAL STEEL



WORK ZONE SAFETY & MOBILITY
"from the MOUNTAINS to the COAST"

N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
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DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-1B	TRANSPORTATION OPERATIONS PLAN (MANAGEMENT STRATEGIES, GENERAL NOTES, LOCAL NOTES AND PHASING)
TMP-2	AREA 1 - DETAIL 1
TMP-3	AREA 2 - ROAD CLOSURE

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R. B. EARLY, PE — TRAFFIC CONTROL PROJECT DESIGN ENGINEER
J. A. PHILLIPS — TRAFFIC CONTROL DESIGN ENGINEER

APPROVED: Rhonda Early
DATE: 12/9/2014

SEAL

SHEET NO.
TMP-1

BP-5500B

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REVISIONS

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PROJ. REFERENCE NO.	SHEET NO.
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ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANAUARY 2012 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
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUM
1135.01	CONES
1150.01	FLAGGING DEVICES
1180.01	SKINNY DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
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.
- TEMP. SHORING (LOCATION PURPOSES ONLY)
- WORK AREA
- REMOVAL
- WEDGE / WIDEN

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

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION	PAY ITEM
PAVEMENT MARKING LINES		
		PAINT (4")
PA	WHITE EDGELINE	
PI	YELLOW DOUBLE CENTER	
PAVEMENT MARKERS		
		TEMPORARY RAISED
MM	CRYSTAL / CRYSTAL	

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SEAL

NORTH CAROLINA PROFESSIONAL SEAL 023521 ENGINEER RHONDA B. EARLY

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

TRANSPORTATION MANAGEMENT PLAN

ROADWAY STANDARD DRAWINGS & LEGENDS

PROJ. REFERENCE NO.	SHEET NO.
BP-5500B	TMP-1B

MANAGEMENT STRATEGIES

THE OBJECTIVE OF THIS PROJECT IS TO COMPLETE THE BRIDGE PRESERVATION FOR BRIDGE #8 ON NC 94 OVER ACROSS RIDERS CREEK IN TYRRELL COUNTY AND BRIDGE #21 ON SR 1105 ACROSS THE SCUPPERNONG RIVER IN TYRRELL COUNTY.

THIS PROJECT HAS BEEN SEPARATED INTO TWO AREAS THAT ARE INDEPENDENT AND MAY PROCEED ON DIFFERENT SCHEDULES.

THE WORK FOR AREA 1 WILL BE COMPLETED AT NIGHT USING LANE CLOSURES FROM 9:00 PM TO 5:00 AM.

THE WORK FOR AREA 2 WILL BE COMPLETED USING AN OFFSITE DETOUR UNTIL THE COMPLETION OF ALL WORK.

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 A TRAVEL LANE AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
NC 94	5:00 AM TO 9:00 PM

LANE CLOSURE REQUIREMENTS

E) 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.

F) 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 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 REMAINS WITHIN THE CLOSED TRAVEL LANE.

J) DO NOT INSTALL MORE THAN ONE (1) SIMULTANEOUS LANE CLOSURE IN ANY ONE DIRECTION ON NC 94.

TRAFFIC PATTERN ALTERATIONS

B) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

C) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

STATE FORCES WILL BE RESPONSIBLE FOR PROVIDING SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS DETERMINED BY THE ENGINEER.

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

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

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

F) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
NC 94	PAINT	TEMPORARY RAISED

H) 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.

I) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

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

PHASING

NOTES:

REPLACE MARKINGS AND RETURN TRAFFIC TO THE CURRENT TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

COMPLETE ANY PROPOSED MILLING & PAVING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.

THE TERM "RSD" DENOTES ROADWAY STANDARD DRAWING.

AREA 1

(BRIDGE #8 SITE)

PHASE I

*** REFER TO SHEET TMP-2 FOR DETAIL ***

STEP 1: USING RSD 1101.02 (SHEET 1 OF 15), USING LANE CLOSURES ON NC 94 NIGHTLY AS SHOWN ON SHEET TMP-2, COMPLETE THE PROPOSED BRIDGE PRESERVATION WORK AS SHOWN IN THE STRUCTURE PLANS. PLACE TEMPORARY PAVEMENT MARKINGS AND REOPEN ALL LANES TO TRAFFIC EACH MORNING.

STEP 2: USING RSD 1101.02 (SHEET 1 OF 15), PLACE THE FINAL PAVEMENT MARKINGS AND MARKERS AND REOPEN ALL LANES TO TRAFFIC.

STEP 3: REMOVE ALL REMAINING TEMPORARY TRAFFIC CONTROL DEVICES.

AREA 2

(BRIDGE #21 SITE)

PHASE I

*** REFER TO SHEET TMP-3 FOR DETAIL ***

STEP 1: USING RSD 1101.03 (SHEETS 1 AND 2 OF 9), CLOSE RIDERS CREEK ROAD (SR 1105) AS SHOWN ON TMP-3.

STEP 2: COMPLETE THE PROPOSED BRIDGE PRESERVATION WORK AS SHOWN IN THE STRUCTURE PLANS.

STEP 3: INSTALL THE FINAL PAVEMENT MARKINGS AND PAVEMENT MARKERS.

STEP 4: OPEN RIDERS CREEK ROAD (SR 1105) TO TRAFFIC AND REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

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SEAL

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

TRANSPORTATION MANAGEMENT PLAN

TRANSPORTATION OPERATIONS PLAN

8/17/99

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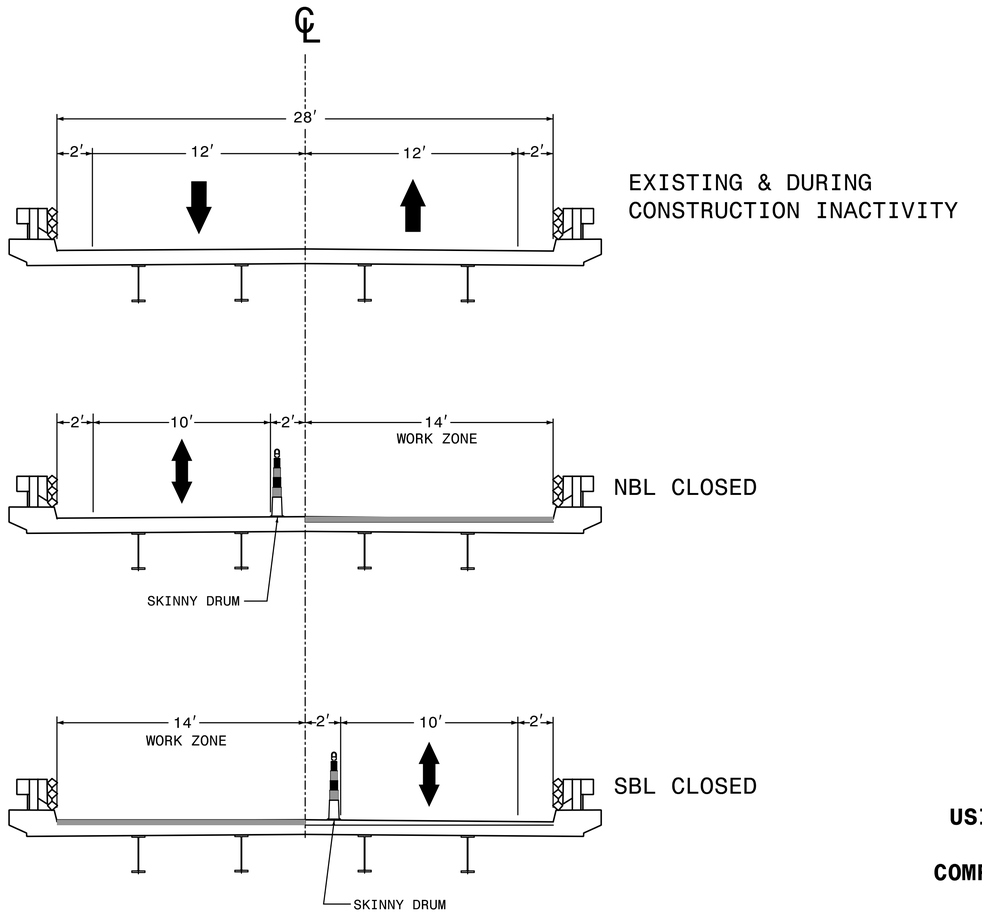

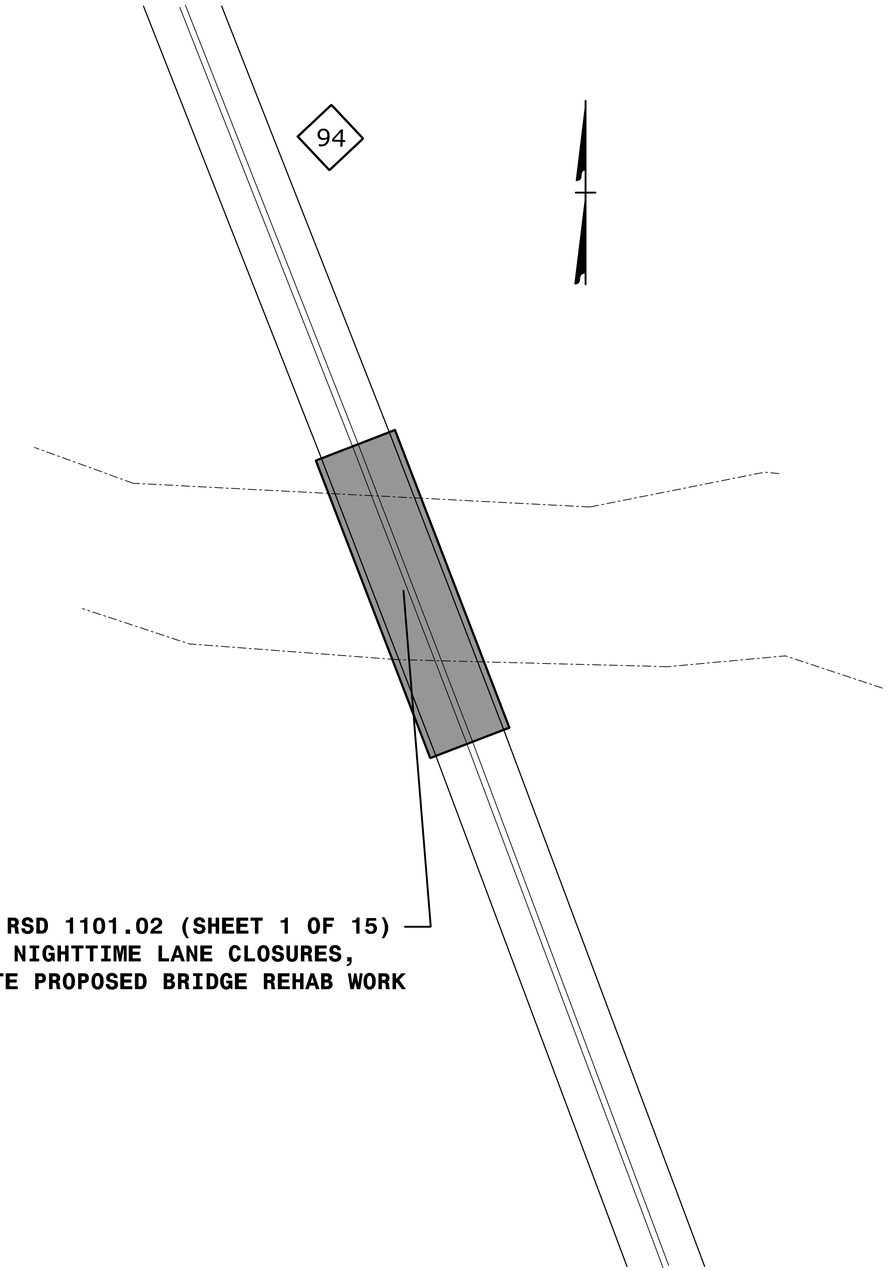

USING RSD 1101.02 (SHEET 1 OF 15)
FOR NIGHTTIME LANE CLOSURES,
COMPLETE PROPOSED BRIDGE REHAB WORK

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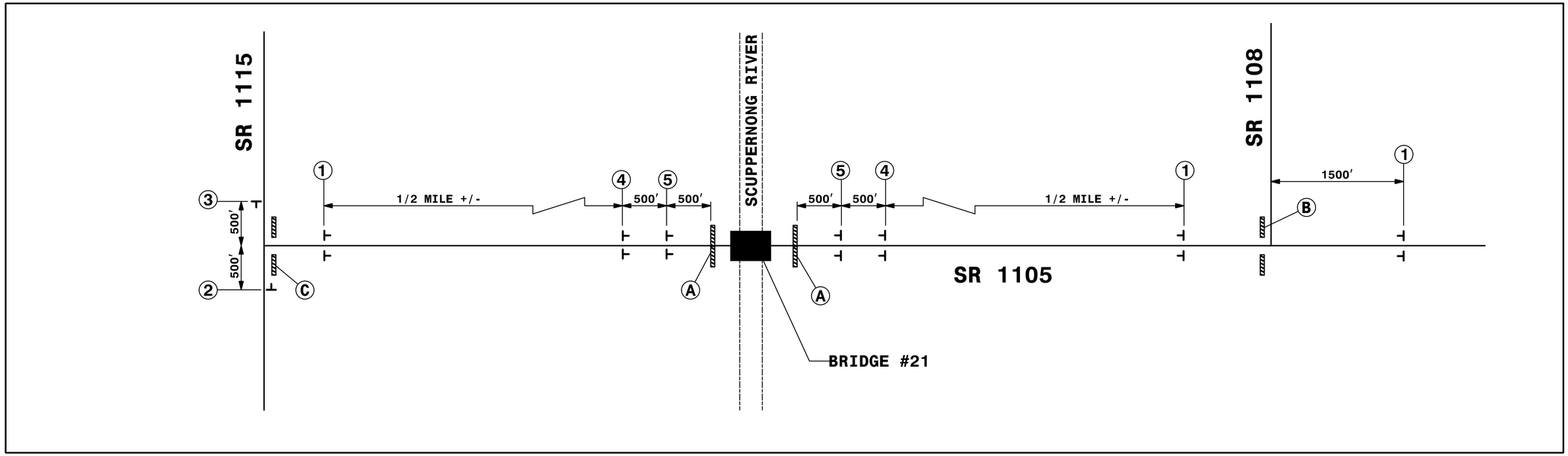
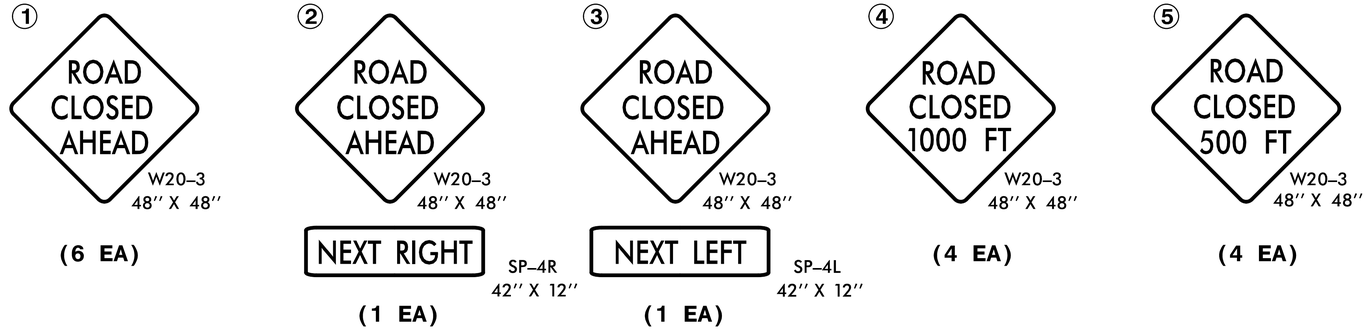
DIVISION OF HIGHWAYS * STATE OF NORTH CAROLINA * DEPARTMENT OF TRANSPORTATION * WORK ZONE TRAFFIC CONTROL

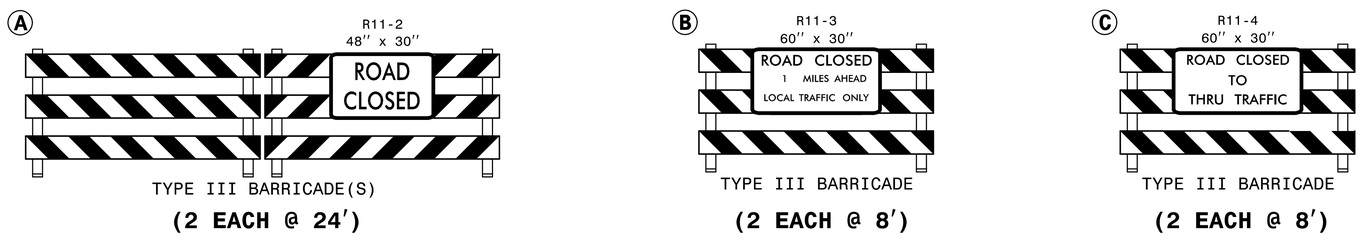
TRANSPORTATION
MANAGEMENT PLAN

AREA 1
DETAIL

PROJ. REFERENCE NO.	SHEET NO.
BP-5500B	TMP-3







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

TRANSPORTATION MANAGEMENT PLAN

AREA 2
ROAD CLOSURE

8/17/99

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