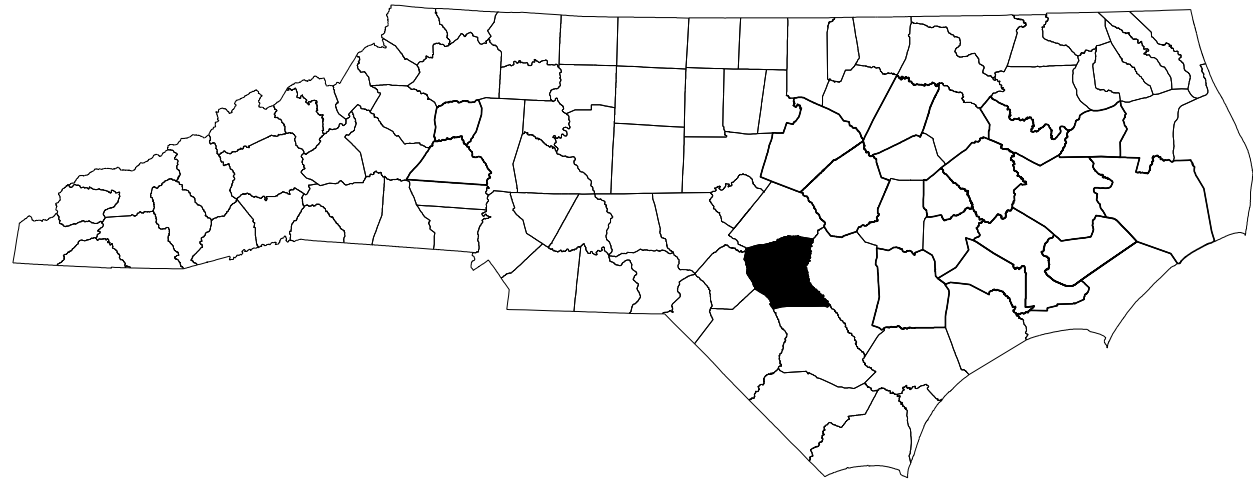


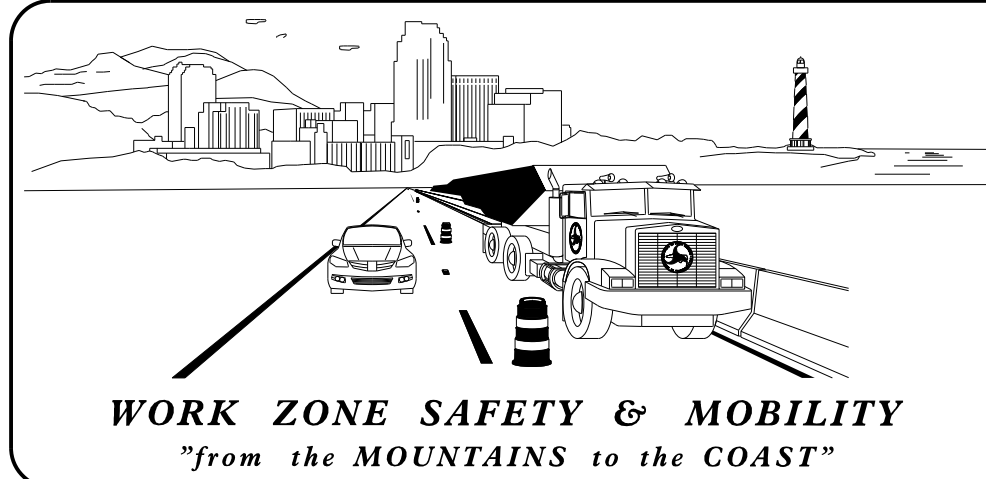
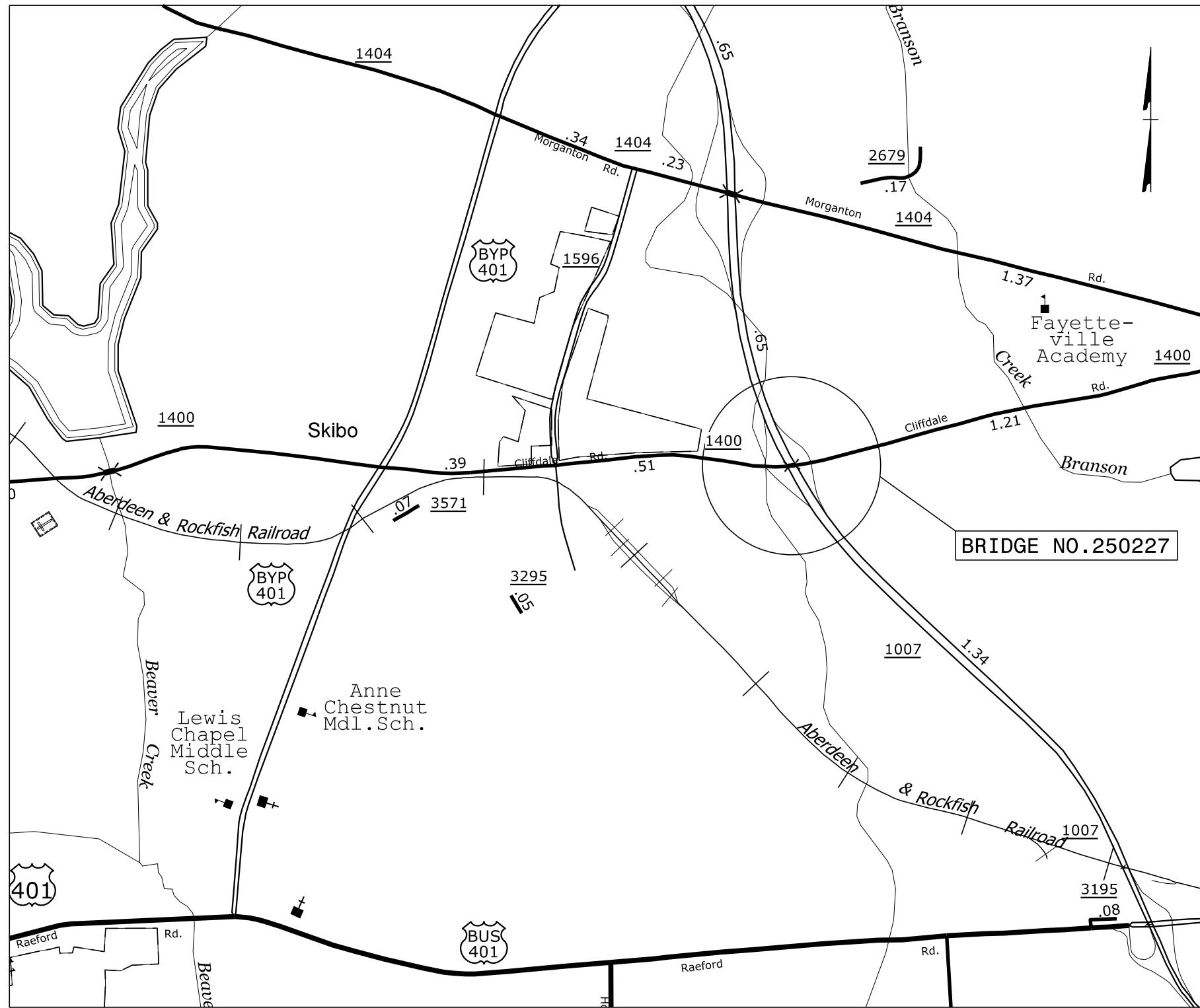
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN
CUMBERLAND COUNTY



LOCATION: BRIDGE #250227 ON SR1400 (CLIFFDALE RD) OVER SR1007

TYPE OF WORK: CONCRETE BRIDGE DECK REHABILITATION BY SCARIFICATION, SHOTBLASTING, AND PLACEMENT OF POLYMER CONCRETE OVERLAY, RECONSTRUCTION OF DECK JOINTS AND SEALS, CLEANING AND PAINTING EXISTING STEEL BEAMS END, PAINTING OF EXISTING BEARINGS WITH HRCSA, SUBSTRUCTURE REPAIRS WITH SHOTCRETE, EPOXY COATING, MILLING APPROACH ROADWAY



PLANS PREPARED BY:

BRENDAN T. PRICE, EIT

NCDOT CONTACTS:

KARMEN E. MILLER, PE
PROJECT ENGINEER

CHRISTOPHER B. HOWARD
PROJECT DESIGN ENGINEER



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-2	GENERAL NOTES AND PHASING NOTES
TMP-3	STEP 3 EB CLIFFDALE RD CLOSURE
TMP-4	STEP 3 EB CLIFFDALE RD CLOSURE
TMP-5	STEP 5 WB CLIFFDALE RD CLOSURE
TMP-6	STEP 5 WB CLIFFDALE RD CLOSURE
TMP-7	EB CLIFFDALE RD DETOUR
TMP-8	WB CLIFFDALE RD DETOUR

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APPROVED: 
DATE: 08/28/2025

SEAL



SHEET NO.

TMP-1

15BPR.146.3

TIP PROJECT:

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 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
1160.01	TEMPORARY CRASH CUSHION
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
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPs
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
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)

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
- USER DEFINED (IF NEEDED)
- USER DEFINED (IF NEEDED)

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

APPROVED: 4F1D586C1BB149C...

DATE: 08/28/2025

ROADWAY STANDARD
DRAWINGS & LEGEND

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GENERAL NOTES / LOCAL 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
-----------	---------------------------

CLIFFDALE ROAD	MONDAY THRU SUNDAY
ALL AMERICAN FREEWAY	5:00 A.M. TO 10:00 P.M.

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

ROAD NAME

CLIFFDALE ROAD & ALL AMERICAN FREEWAY

HOLIDAY

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

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 5:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 10:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY AND 10:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 5:00 A.M. TUESDAY TO 10:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 5:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 10:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) 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

- 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.
- G) 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) 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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

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

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- K) 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.
- L) 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.
- M) 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.
- N) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- O) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 250 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

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

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

ROAD NAME	MARKING	MARKER
CLIFFDALE RD.	TYPE 4 REMOVABLE TAPE	NONE

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

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

MISCELLANEOUS

- V) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- W) NOTIFY NCDOT STATEWIDE TRANSPORTATION OPERATIONS CENTER (STOC) AT 877-627-7862 WHEN INSTALLING, REMOVING LANE CLOSURES AND USING OFFSITE DETOUR ON CLIFFDALE RD OR ALL AMERICAN FREEWAY.

PHASING NOTES

STEP 1

USING RSD 1101.01, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON CLIFFDALE ROAD AND ALL AMERICAN FREEWAY.

STEP 2

INSTALL AND COVER DETOUR AND ADVANCE WARNING SIGNS FOR NIGHTLY CLOSURE OF EASTBOUND DIRECTION OF BRIDGE ON CLIFFDALE ROAD (SEE DETOUR ON TMP-7). PORTABLE MOUNTED SIGNS CAN BE USED FOR THE DETOUR SIGNS IN LIEU OF STATIONARY MOUNTED SIGNS.

STEP 3

USING RSD 1101.02 (SHEET 3 OF 19), UTILIZE NIGHTLY LANE CLOSURES OF CLIFFDALE ROAD EASTBOUND, UNCOVER DETOUR SIGNAGE, PLACE BARRICADES, AND SHIFT TRAFFIC INTO TEMPORARY EXIT ONLY PATTERN. CLOSE SIDEWALK APPROACHES AT THE END OF THE BRIDGE USING PEDESTRIAN CHANNELIZING DEVICES. COMPLETE WORK ON EASTBOUND SIDE OF BRIDGE DECK (SEE TMP-3 AND TMP-4). PLACE TYPE 4 TAPE TEMPORARY MARKINGS WHEN NEEDED TO MAINTAIN EXISTING TRAFFIC PATTERN. REOPEN CLIFFDALE ROAD TO TRAFFIC AT THE END OF THE WORK PERIOD. REPEAT AS NECESSARY TO COMPLETE THE EASTBOUND SIDE OF THE BRIDGE DECK.

STEP 4

INSTALL AND COVER DETOUR AND ADVANCE WARNING SIGNS FOR NIGHTLY CLOSURE OF WESTBOUND DIRECTION OF BRIDGE ON CLIFFDALE ROAD (SEE DETOUR ON TMP-8). PORTABLE MOUNTED SIGNS CAN BE USED FOR THE DETOUR SIGNS IN LIEU OF STATIONARY MOUNTED SIGNS.

STEP 5

USING RSD 1101.02 (SHEET 3 OF 19), UTILIZE NIGHTLY LANE CLOSURES OF CLIFFDALE ROAD WESTBOUND, UNCOVER DETOUR SIGNAGE, PLACE BARRICADES, AND SHIFT TRAFFIC INTO TEMPORARY EXIT ONLY PATTERN. CLOSE SIDEWALK APPROACHES AT THE END OF THE BRIDGE USING PEDESTRIAN CHANNELIZING DEVICES. COMPLETE WORK ON WESTBOUND SIDE OF BRIDGE DECK (SEE TMP-5 AND TMP-6). PLACE TYPE 4 TAPE TEMPORARY MARKINGS WHEN NEEDED TO MAINTAIN EXISTING TRAFFIC PATTERN. REOPEN CLIFFDALE ROAD TO TRAFFIC AT THE END OF THE WORK PERIOD. REPEAT AS NECESSARY TO COMPLETE THE WESTBOUND SIDE OF THE BRIDGE DECK.

STEP 6

USING RSD 1101.02 (SHEET 3 OF 19), UTILIZE NIGHTLY LANE CLOSURES AND TEMPORARILY CLOSE THE OUTSIDE LANES OF ALL AMERICAN FREEWAY TO COMPLETE WORK UNDERNEATH THE BRIDGE DECK.

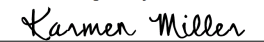
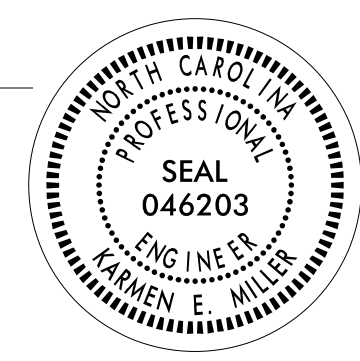
STEP 7

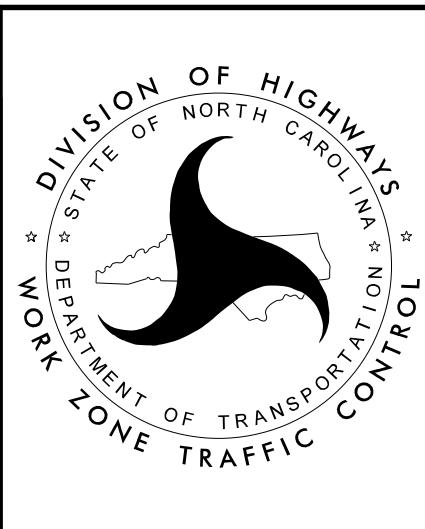
USING RSD 1101.02 (SHEET 3 OF 19), UTILIZE NIGHTLY LANE CLOSURES AND TEMPORARILY CLOSE THE INSIDE LANES OF ALL AMERICAN FREEWAY TO COMPLETE WORK UNDERNEATH THE BRIDGE DECK.

STEP 8

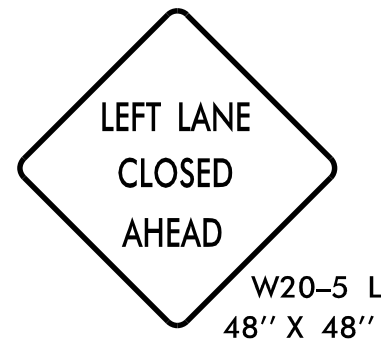
REMOVE ALL ADVANCE WARNING DEVICES AND OPEN TRAFFIC TO FINAL PATTERN.

NOTE: CLOSE SIDEWALK IN CONJUNCTION WITH THE ROAD CLOSURE WHEN WORK IS BEING PERFORMED

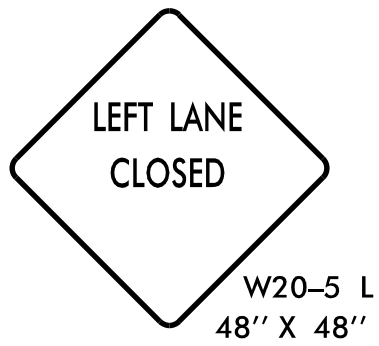
APPROVED: 	
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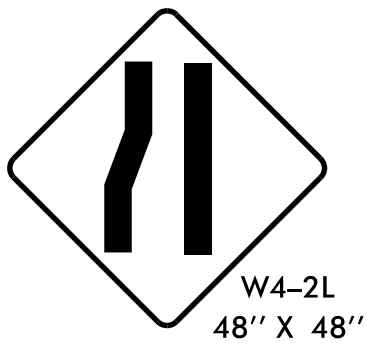
GENERAL NOTES
AND
PHASING NOTES



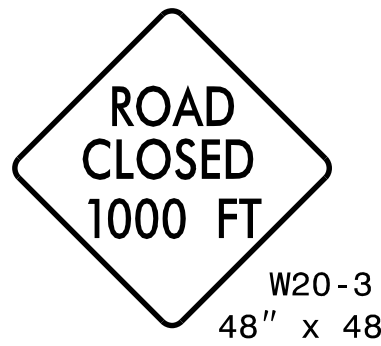
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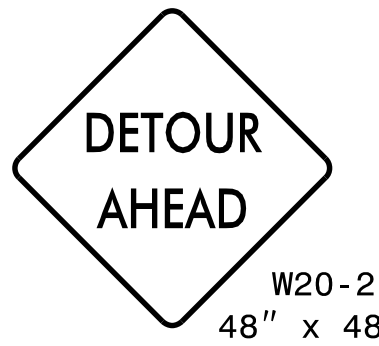
2



3



4



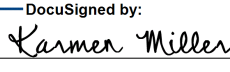
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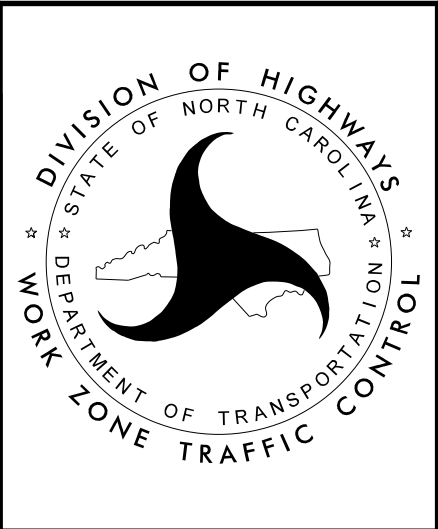


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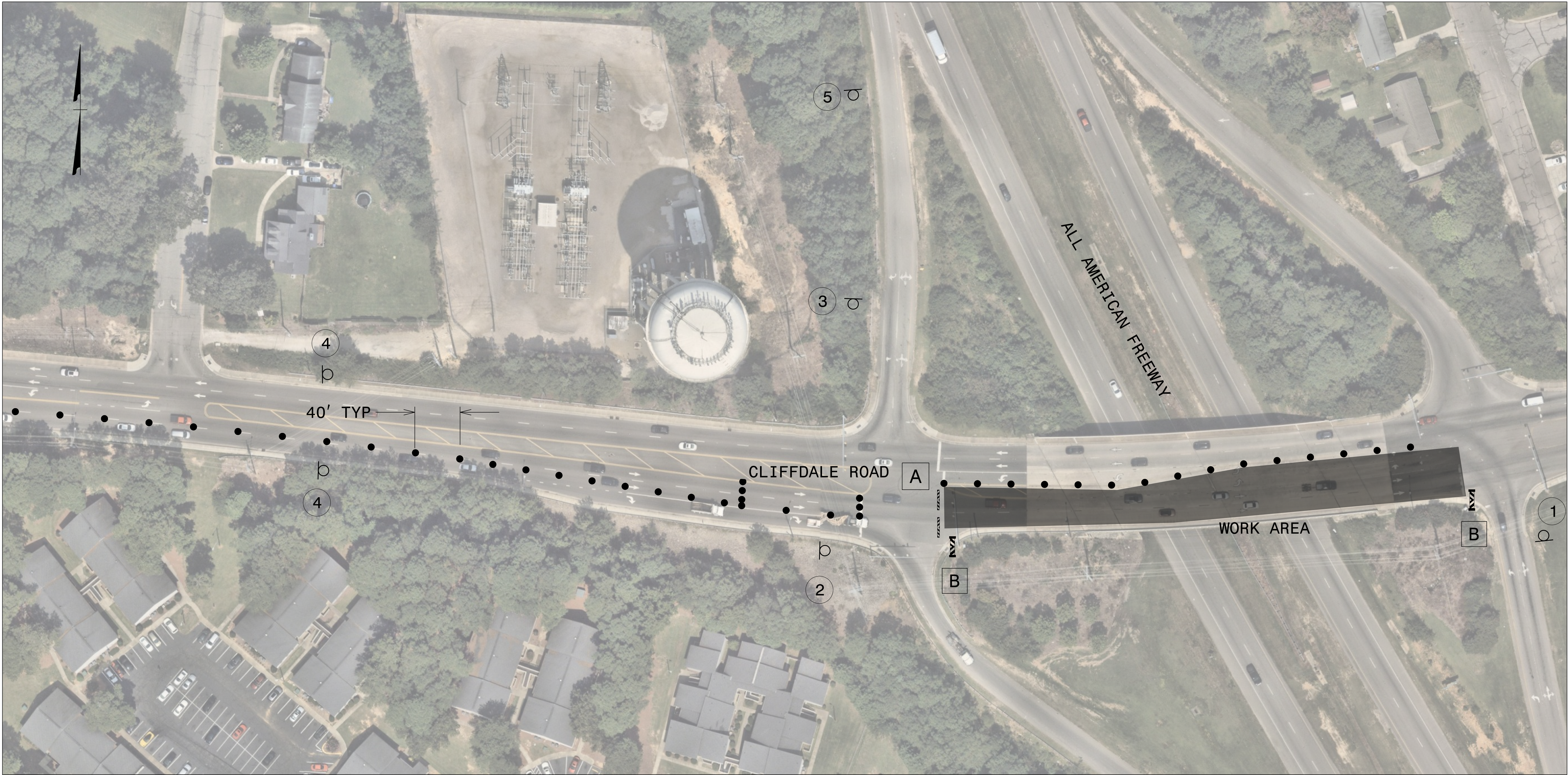
MESSAGE NO. 1	MESSAGE NO. 2
LEFT LANE CLOSED	MERGE RIGHT
CHANGEABLE MESSAGE SIGN	

A

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STEP 3
EB CLIFFDALE RD
CLOSURE

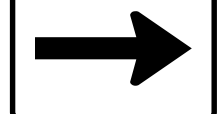


END
DETOUR

M4-8 A
24" X 18"

1

DETOUR



M4-8
24" x 12"
M6-1
21" x 15"

2

DETOUR



M4-8
24" x 12"
M6-3
21" x 15"

3

ROAD
CLOSED
500 FT

W20-3
48" x 48"

4

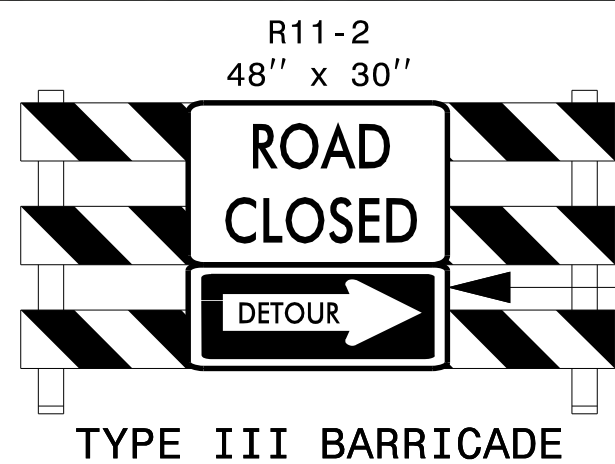
ROAD
CLOSED
AHEAD

W20-3
48" x 48"

NEXT LEFT

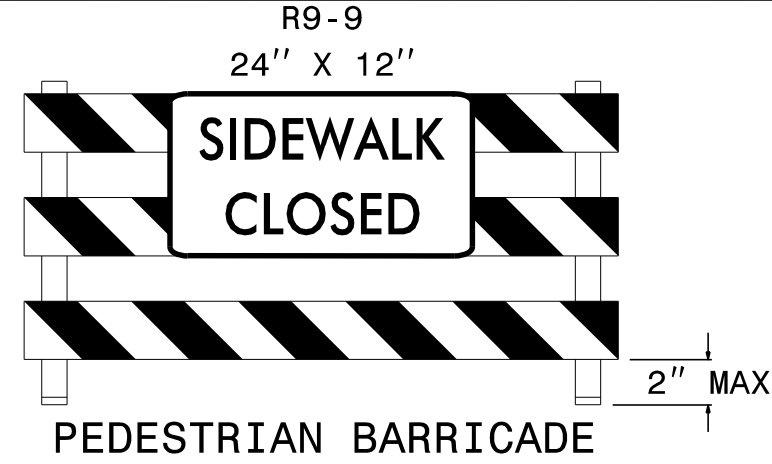
SP-4L
42" X 12"

5



TYPE III BARRICADE

A



PEDESTRIAN BARRICADE

B

APPROVED:
DATE: 08/28/2025



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STEP 3
EB CLIFFDALE RD
CLOSURE