

## MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP):

- CLOSE NB US 117
- DETOUR TRAFFIC FOR BRIDGE CONSTRUCTION
- CONSTRUCT -SR1- AND TIE-IN USING FLAGGERS
- PLACE FINAL LAYER OF SURFACE COURSE, MARKINGS AND MARKERS AND OPEN NB US 117 TO TRAFFIC

## 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.

### LANE AND SHOULDER CLOSURE REQUIREMENTS

- A) 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.
  - B) 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.
  - C) 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.
- D) 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.
  - E) 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.

### TRAFFIC PATTERN ALTERATIONS

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

### SIGNING

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

### TRAFFIC CONTROL DEVICES

- J) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORKAREAS 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.
- K) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

### PAVEMENT MARKINGS AND MARKERS

- L) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:
- | ROAD NAME | MARKING | MARKER |
|-----------|---------|--------|
| US 117    | PAINT   | N/A    |
- M) 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.
  - N) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
  - O) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

## PHASING

NOTE: FLAGGERS REFERS TO RSD 1101.02 SHEET 1 OF 14

### STEP 1

- USING ROADWAY STANDARD DRAWING 1101.01, SHEET 2 AND 3 OF 3, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON US 117.

### STEP 2

- USING ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 14, AND SHEET TMP-2B and 2C, INSTALL ROAD CLOSURE AND DETOUR SIGNS, CLOSE US 117 NB (BRIDGE #16) AND DETOUR TRAFFIC ONTO US 117 CONNECTOR. SEE TMP-3 FOR EDWINA KORNEGAY RD INTERSECTION SIGNING.

### STEP 3

- USING FLAGGERS AND RDWY STD. 1101.02 SHEET 3 OF 14, INSTALL RCPs ACROSS NB AND SB US 117, ACROSS -SR1- AND ALONG MEDIAN OF US 117.
- USING RDWY STD. 1101.02 SHEET 3 OF 14, CONDUCT BRIDGE PRESERVATION ON STRUCTURE NO.17 ALONG SB US 117.
- INSTALL PROPOSED SHORING FROM STA. 21+45+/- -L- TO STA. 22+39+/- -L- AND FROM STA. 23+55+/- TO STA. 24+87+/- -L-. SEE SHEET TMP-4

- AWAY FROM TRAFFIC, CONSTRUCT PROPOSED BRIDGE -L- AND ROADWAY FROM STA. 12+00+/- TO 33+55+/- AND -Y1- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

- USING FLAGGERS, CONSTRUCT PROPOSED -SR1- UP TO EDGE AND ELEVATION OF EXISTING ROADWAY. SEE SHEETS TMP-3 AND 4

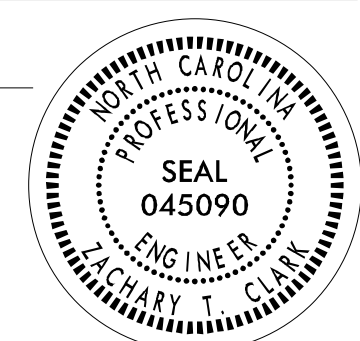

### STEP 4

- USING FLAGGERS, TIE-IN -SR1- TO PROPOSED ALIGNMENT AND SHIFT TRAFFIC ON PROPOSED -SR1-. SEE SHEETS TMP-5 AND 6.
- AWAY FROM TRAFFIC AND USING FLAGGERS AS NEEDED, PLACE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS AND MARKERS ON -L-, -SR1- AND -Y1- AND REMOVE EXISTING CENTER ST. -SR1-.

### STEP 5

- UPON COMPLETION OF BRIDGE, APPROACHES, AND ROADWAY, PLACE FINAL PAVEMENT MARKINGS AND MARKERS IN ACCORDANCE WITH RSD 1205.01, 1205.02, 1205.12, 1250.01, AND 1251.01. REMOVE BARRICADES, SIGNS, AND ALL OTHER TRAFFIC CONTROL DEVICES AND OPEN -L- (US 117 BRIDGE #16), AND -Y1- TO TRAFFIC IN FINAL PATTERN.

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<p>APPROVED: _____</p> <p>DATE: 05/09/2023</p> <p style="text-align: center;">SEAL</p>	<p>DocuSigned by: <i>Zachary T Clark</i> 9C4DA7F17FED42D...</p> 		<h2 style="margin: 0;">TRANSPORTATION OPERATIONS PLAN</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			