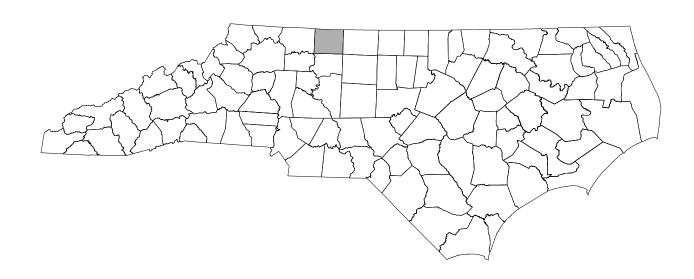
STOKES COUNTY



LOCATION: BRIDGE NO. 286 OVER LITTLE YADKIN RIVER ON SR 1236 (NORTH OLD 52)

Pinnacle Mt. Olive 17BP.9.R.83 PROJECT LOCATION Chestnut Grove 52

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

PLANS PREPARED BY:

MIKE RZEPKA, PE TRAFFIC CONTROL PROJECT ENGINEER

CHRIS HARNDEN TRAFFIC CONTROL DESIGN ENGINEER NCDOT CONTACTS:

JEREMY KEATON, PE, PLS PROJECT ENGINEER

PROJECT DESIGN ENGINEER



INDEX OF SHEETS

SHEET NO.

<u>TITLE</u>

TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS TMP - 1

LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS TMP-1A

TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT TMP-1B STRATEGIES AND GENERAL NOTES)

TMP-2 TEMPORARY SHORING DATA OFFSITE DETOUR ROUTES TMP-2C AND TMP-2D SPECIAL SIGN DESIGN(S)

TEMPORARY TRAFFIC CONTROL PHASING TMP-3

PHASE 1, STEP 1 DETAILS TMP-4 AND TMP-5 TMP-6 AND TMP-7 PHASE 1, STEP 2 DETAILS PHASE 2, STEP 1 DETAILS TMP-8 AND TMP-9

PLAN PREPARED BY:

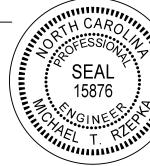
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APPROVED: Michael T. Ryepha

 $DATE: \frac{1/21/2025}{}$

SEAL



TITLE STD. NO.

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	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGERS
1165.01	TRUCK MOUNTED ATTENUATOR
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
1205.12	PAVEMENT MARKINGS - BRIDGES
	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
	1101.02 1101.03 1101.05 1101.11 1110.01 1110.02 1130.01 1135.01 1145.01 1165.01 1180.01 1205.01 1205.02 1205.04

PROJ. REFERENCE NO. SHEET NO. 17BP.9.R.83 TMP-1A

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LEGEND

GENERAL

DIRECTION OF TRAFFIC FLOW

DIRECTION OF PEDESTRIAN TRAFFIC FLOW

──── EXIST. PVMT.

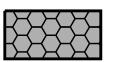
NORTH ARROW

PROPOSED PVMT.

TEMP. SHORING (LOCATION PURPOSES ONLY)

WORK AREA

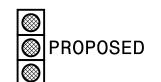
CONTINUING CONSTRUCTION



TEMPORARY PAVEMENT

SIGNALS





PAVEMENT MARKINGS

——EXISTING LINES

——TEMPORARY LINES

TRAFFIC CONTROL DEVICES

BARRICADE (TYPE III)

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

P1 PAINT 4" WHITE EDGELINE

PAINT 4" 2'-6'/SP. WHITE MINI-SKIP

PAINT 4" YELLOW DOUBLE CENTER

APPROVED: Michael T. Rzepka DATE: 7/31/2024

ROADWAY STANDARD DRAWINGS & LEGEND

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

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: (UNLESS CLOSING W. DALTON RD. IN PHASE 2, STEP 1)

ROAD NAME

DAY AND TIME RESTRICTIONS

N. OLD US 52 W. DALTON RD.

MONDAY THRU FRIDAY 6:00 AM THRU 9:00 AM 4:00 PM THRU 7:00 PM

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

ROAD NAME

ALL ROADS

- 1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 AM DECEMBER 31st TO 7:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 PM THE FOLLOWING TUESDAY.
- 3. FOR EASTER, BETWEEN THE HOURS OF 6:00 AM THURSDAY AND 7:00 PM MONDAY.
- 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 7:00 PM TUESDAY.
- 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 7:00 PM THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.

- 6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY AND 7:00 PM TUESDAY.
- 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 AM TUESDAY TO 7:00 PM MONDAY.
- 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- I) 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.
- 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.

K) 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.

- L) 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.
- M) 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

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.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

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

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

X) 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.

- Y) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- Z) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) [LENGTH] IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

PROJ. REFERENCE NO.	SHEET NO.
17BP.9.R.83	TMP-1B

TRAFFIC CONTROL DEVICES

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

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME

MARKING

MARKER

N. OLD US 52

PAINT

TEMPORARY RAISED

- II) 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.
- JJ) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- KK) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

NN) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) [LENGTH] AND [LENGTH] RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

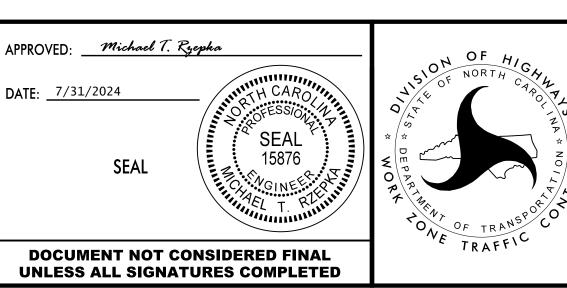
MANAGEMENT STRATEGIES

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

RECOMMENDED STRATEGIES:

TRAFFIC MANAGEMENT STRATEGIES:

ONE-LANE, TWO WAY OPERATION (FLAGGING) WORK HOUR RESTRICTIONS FOR PEAK TRAVEL OFF-SITE DETOURS / USE OF ALTERNATIVE ROUTES



TRANSPORTATION **OPERATIONS PLAN**

TEMPORARY SHORING DATA

SHORING LOCATION NO. 1

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- STA. 22+75±, 28.0' RT, TO STATION -L- STA. 23+25±, 28.0' RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 PCF FRICTION ANGLE (♠) = 30 DEGREES COHESION (c) = 0 PSF GROUNDWATER ELEVATION = 831.5 FT

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- STA. 22+75±, 28.0' RT, TO STATION -L- STA. 23+25±, 28.0' RT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- STA. 22+75±, 28.0' RT, TO STATION -L- STA. 23+25±, 28.0' RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

WHEN BACKFILL FOR APPROACH FILLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -L- STA. 22+75±, 28.0' RT, TO STATION -L- STA. 23+25±, 28.0' RT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

SHORING LOCATION NO. 2

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- STA. 24+75±, 26.5' RT, TO STATION -L- STA. 25+25±, 26.5' RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 PCF FRICTION ANGLE (♠) = 30 DEGREES COHESION (c) = 0 PSF GROUNDWATER ELEVATION = 831.5 FT

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM -L- STA. 24+75±, 26.5' RT, TO STATION -L- STA. 25+25±, 26.5' RT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM -L- STA. 24+75±, 26.5' RT, TO STATION -L- STA. 25+25±, 26.5' RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

WHEN BACKFILL FOR APPROACH FILLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM -L- STA. 24+75±, 26.5'RT, TO STATION -L- STA. 25+25±, 26.5'RT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

PROJ. REFERENCE NO. SHEET NO. 17BP.9.R.83 TMP-2

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APPROVED: Michael T. Ryepha

DATE: 7/31/2024

SEAL

SE

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SEAL SEAL TEMPORARY SHORING DATA

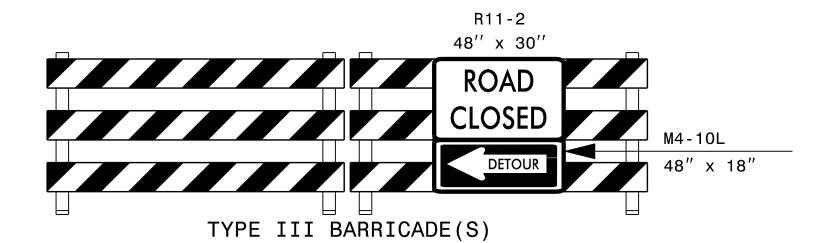
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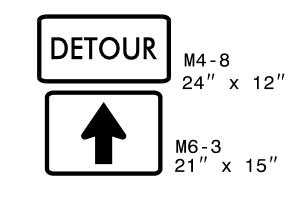
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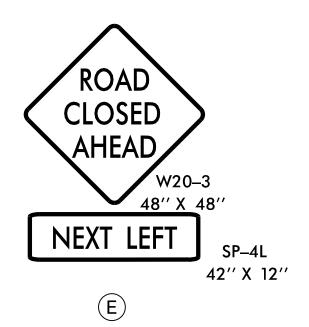
R11-2 48" x 30" ROAD CLOSED

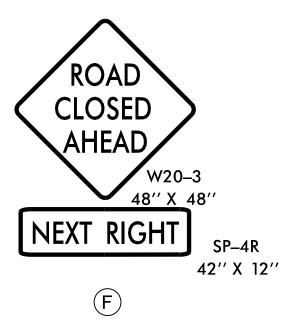
TYPE III BARRICADE(S)

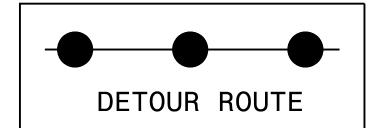


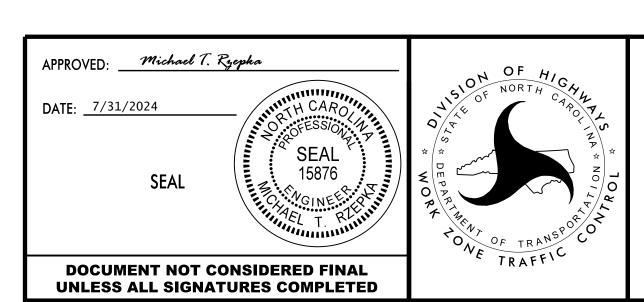


(C)









DALTON LOOP DETOUR ROUTE

<u>1140</u> *SEE TMP-6 FOR BARRICADE PLACEMENT \g \g \g <u>1127</u> <u>1236</u>

PROJ. REFERENCE NO. SHEET NO. 17BP.9.R.83 TMP-2B ★ SEE TMP-8 FOR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116 1140 BARRICADE PLACEMENT 1139 48" x 30" 48" x 30" ROAD WORK AREA CLOSED TYPE III BARRICADE(S) TYPE III BARRICADE(S) W Dalton R11-3 R11-3 Road 42" x 24" ROAD CLOSED 1.0 MILE AHEAD DETOUR <u>1127</u> TYPE III BARRICADE TYPE III BARRICADE 1236 # PLACE ½ MILE IN ADVANCE OF SIGNS "M" | W Dalton | W Dalton Road Road SP-01 42" x 24" SP-01 42" x 24" W Dalton ROAD **ROAD** DETOUR **DETOUR** Road SP-01 42" x 24" **CLOSED** CLOSED **CLOSED** THE TOTAL 500 FT AHEAD **END** W20-3 W20-3 48′′ X 48′ 1243 I WESTMORELAND PRIOR TO CLOSURE DURING CLOSURE ROAD MESSAGE NO. 1 MESSAGE NO. 2 MESSAGE NO. 1 MESSAGE NO. 2 **CLOSED** SR 1127 AHEAD STARTING SR 1127 FOLLOW CLOSED POSTED WILL BE CLOSED (DAY) W20–3 48'' X 48'' CLOSED (TIME) 2.5 MI DETOUR AHEAD SEE INSET CHANGEABLE MESSAGE CHANGEABLE MESSAGE W20-3 NEXT RIGHT CLOSED 48′′ X 48′′ AHEAD 42" X 12" 2.1 MILES W16-3P 24" X 24" - SR 1253 0 (THOMAS RR XING) - INSTALL CMS 7 DAYS PRIOR TO CLOSURE. - EXACT LOCATION TO BE DETERMINED NEXT LEFT BY THE ENGINEER. \bigcirc M - MESSAGES AS PER STANDARDS, OR PER 42" X 12" THE ENGINEER. (N)INSET DETAIL ● ■ = DETOUR ROUTE OR ON BO <u>1253</u> NOTES: SEE TMP-2C FOR SP-02 SPECIAL SIGN DESIGN. SEE TMP-2D FOR SP-03 SPECIAL SIGN DESIGN. <u>1127</u> SEE RSD 1101.03, SHEET 1 OF 9, FOR ADDITIONAL NOTES. 2500'± 1500'± 500'± APPROVED: Michael T. Rzepka 1253 DATE: 1/7/2025 W. DALTON RD W. DALTON RD <u>1236</u> <u>1127</u> DETOUR ROUTE SEAL SEE DETAIL DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

f_color_eng_50.plt PENTABLE: NCDOT_tcp.1 DATE: 1/7/2025 TIME: 11:07:40 AM

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt JSER: CHARNDEN DATE: 1,

PROJ. REFERENCE NO. SHEET NO. TMP-2C 17BP.9.R.83

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BACKG COLOR: Fluorescent Orange SIGN NUMBER: SP-01 DESIGN BY: R DRAYTON CHECKED BY: R KING TYPE: STATIONARY Black COPY COLOR: PROJECT ID: 17BP.9.R.83 Bridge #286 QUANTITY: SEE PLANS X Y WID HT SYMBOL SIGN WIDTH: 3'-6" 42" **HEIGHT:** 2'-0" TOTAL AREA: 7.0 Sq.Ft. Dalton Road **BORDER TYPE: RECESSED RECESS:** 0.38" WIDTH: 0.63" **RADII:** 1.5" MAT'L: 0.080" (2.0 mm) ALUMINUM 24" USE NOTES: 1,2 1. Legend and border shall be direct applied black non-reflective sheeting. 2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting. 4.25" **BORDER** 33.5" R=1.5" TH=0.63" IN=0.38" Spacing Factor is 1 unless specified otherwise LETTER POSITIONS Letter spacings are to start of next letter t o n 4.3 5.3 6 5 4.6 1.6 2.8 4.6 3.5 4.3 12.5 4.7 4.3 4.3 3.6 12.5

FILENAME: 17BP.9.R.83_Guidsign_English

APPROVED: Michael T. Ryepha DATE: <u>7/31/2024</u> DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA D.O.T. SIGN DETAIL

Jul 25, 2022

3.75"

4.5"

3.75"

Series/Size

Text Length D 2000

33.5

D 2000

DIV: 9

SPECIAL SIGN DESIGN W. DALTON RD

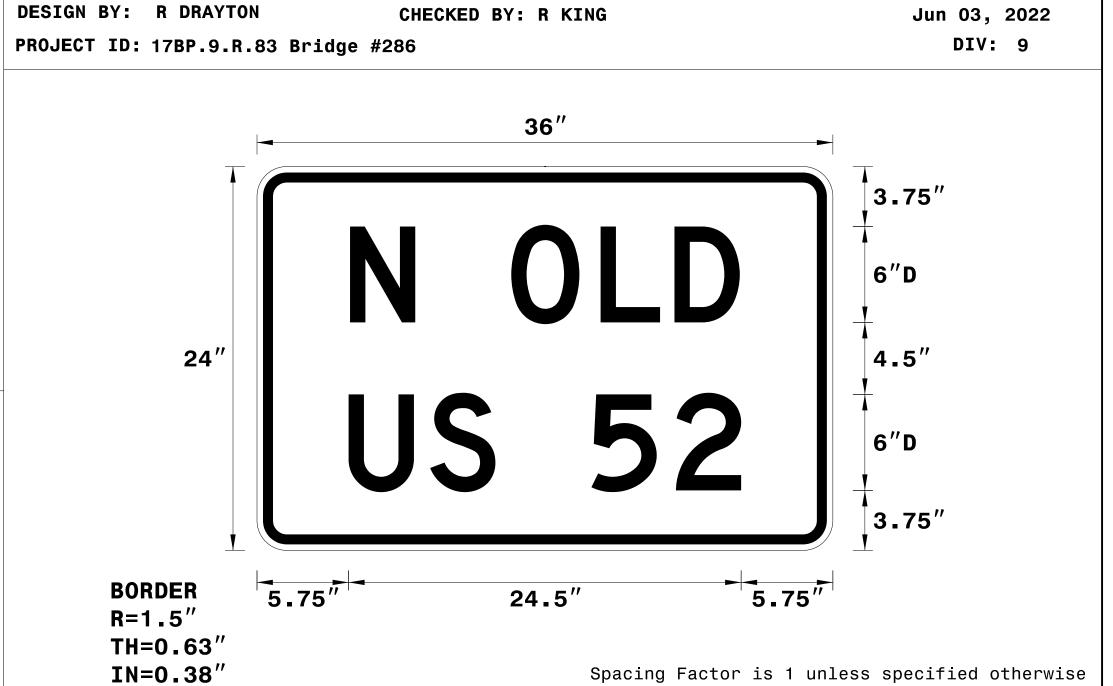
PROJ. REFERENCE NO. SHEET NO. 17BP.9.R.83 TMP-2D

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BACKG COLOR: Fluorescent Orange SIGN NUMBER: SP-02 TYPE: STATIONARY COPY COLOR: Black QUANTITY: SEE PLANS SYMBOL X Y WID HT SIGN WIDTH: 3'-0" **HEIGHT:** 2'-0" TOTAL AREA: 6.0 Sq.Ft. **BORDER TYPE: RECESSED RECESS:** 0.38" WIDTH: 0.63" **RADII:** 1.5" MAT'L: 0.080" (2.0 mm) ALUMINUM

USE NOTES: 1,2

- 1. Legend and border shall be direct applied black non-reflective sheeting.
- 2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.



LETTER POSITIONS

Letter spacings are to start of next letter														Te	Text Leng			
	N		0	L	D													D 2000
5.8	4.1	6	5.6	4.6	4.1	5.8												24.4
	U	S		5	2													D 2000
5.7	5.1	4.1	6	5.3	4.1	5.7												24.5
+																		

APPROVED: Michael T. Rzepka DATE: <u>7/31/2024</u> DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SPECIAL SIGN DESIGN N. OLD US 52

PHASING

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

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

COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT NO PONDING OF WATER WILL OCCUR WITHIN THE TRAVEL LANE.

WHEN USING LANE CLOSURES (RSD 1101.02), RETURN TRAFFIC TO EXISTING AND/OR TEMPORARY TRAFFIC PATTERN UPON ACTIVITIES COMPLETION, UNLESS OTHERWISE NOTED IN THE PHASING PLANS.

WHEN PHASING STATES TO USE LANE CLOSURES, REFER TO THE FOLLOWING FOR ALL EXISTING AND PROPOSED ROADS:

-ALL TWO-LANE/TWO-WAY FACILITIES SEE RSD 1101.02 SHEET 1 OF 14 COMPLETE PAVING UP TO, BUT NOT INCLUDING. THE FINAL LAYER OF SURFACE COURSE UNTIL STATED TO PLACE FINAL LAYER IN THE PHASING PLANS.

WHEN WEDGING OVER EXISTING PAVEMENT, WEDGE TO PROPOSED ELEVATION (LESS THE FINAL LAYER OF SURFACE COURSE), OR WEDGE AS NEEDED TO MAINTAIN TRAFFIC. MAINTAIN POSITIVE DRAINAGE AND MAINTAIN A MAXIMUM 0.04 ROLLOVER IN BOTH EXISTING AND/OR TEMPORARY TRAVEL LANES.

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.

NOTE: PHASE 1, STEP 2 CONSTRUCTION MAY BE PERFORMED CONCURRENTLY WITH THE COMPLETION OF PHASE 1, STEP 1 WORK IN ORDER TO MINIMIZE CLOSURE TIME OF DALTON LOOP ACCESS.

PHASE 1, STEP 1 (SEE TMP-4 AND TMP-5)

USING LANE CLOSURES, INSTALL TEMPORARY GUARDRAIL. BEHIND GUARDRAIL AND USING LANE CLOSURES, INSTALL TEMPORARY SHORING AND CONSTRUCT PROPOSED BRIDGE.

USING LANE CLOSURES, CONSTRUCT -L- (NORTH OLD US 52) ROADWAY AND TIES TO EXISTING NORTH OLD US 52, EXCEPT ACROSS EXISTING DALTON LOOP.

PHASE 1, STEP 2 (SEE TMP-6 AND TMP-7)

PLACE DETOUR SIGNS FOR DALTON LOOP AND CLOSE ACCESS TO DALTON LOOP.

CONSTRUCT -Y- TIE TO DALTON LOOP AND REMAINING -L- ACROSS DALTON LOOP.

PLACE AND COVER DETOUR SIGNS FOR W. DALTON RD.

PHASE 2, STEP 1 (SEE TMP-8 AND TMP-9)

UPON COMPLETION OF -L- (NORTH OLD US 52) STRUCTURE, PAVEMENT AND TIE-IN AND -Y- (DALTON LOOP), USE LANE CLOSURES TO INSTALL TEMPORARY MARKINGS AND MARKERS AND SHIFT TRAFFIC FROM EXISTING NORTH OLD US 52 TO PROPOSED -L- (TEMPORARY PATTERN) AND OPEN -Y- TO TRAFFIC (REMOVE DALTON LOOP DETOUR SIGNS).

UNCOVER DETOUR SIGNS AND CLOSE ACCESS TO W. DALTON RD.

CONSTRUCT -Y1- TIE TO W DALTON RD.

PHASE 2, STEP 2 (NOT SHOWN)

USING LANE CLOSURES, INSTALL TEMPORARY PAVEMENT MARKINGS AND OPEN -Y1- (W DALTON RD).

USING LANE CLOSURES, REMOVE PAVEMENT AND BRIDGE FROM EXISTING NORTH OLD US 52. COMPLETE FINAL SHOULDER CONSTRUCTION ON PROPOSED -L-.

PHASE 2, STEP 3 (NOT SHOWN)

USING LANE CLOSURES, PLACE FINAL LAYER OF SURFACE COURSE, PLACE FINAL PAVEMENT MARKINGS AND MARKERS AND SHIFT TRAFFIC TO FINAL PATTERN.

SHEET NO. PROJ. REFERENCE NO. 17BP.9.R.83 TMP-3

HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116

UNLESS ALL SIGNATURES COMPLETED



TEMPORARY TRAFFIC CONTROL PHASING

DATE: 7/31/2024

APPROVED: _____ Michael T. Ryepka

DOCUMENT NOT CONSIDERED FINAL

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SECTION A-A

PROJ. REFERENCE NO. SHEET NO. 17BP.9.R.83 TMP-5 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116 € -L- STA 25+00 € -L- STA 30+00 26.5' TEMP. SHORING TRAFFIC DRUM $^{-\!\!\!/}$ SECTION B-B SECTION C-C MOKIN ATURA R11-2 48" x 30" -L- STA. 28+50 +/END FULL WIDTH CONSTRUCTION -L- STA. 26+98 +/-4777 -L- STA. 36+00 +/-END TEMP. GUARDRAIL END CONSTRUCTION TYPE III BARRICADE 2' OFFSET TEMP. GREU TL-3 END WEDGING (SEE DETAIL IN THE ROADWAY PLANS) -L- (NORTH OLD US 52) -L- STA. 24+82 +/-BEGIN TEMP. GUARDRAIL └─ TRAFFIC DRUMS TIE TO BRIDGE RAIL @ 55' SPACING (SEE TMP-2E) -L- STA. 29+50 +/-BEGIN WEDGING APPROVED: Michael T. Ryepha DATE: 1/21/2025 2 TEMPORARY SHORING = 150 SF FROM -L- STA. 24+75±, 26.5' RT TO -L- STA. 25+25±, 26.5' RT PHASE 1 STEP 1 SEAL DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

