

**This electronic collection of documents is provided
for the convenience of the user
and is Not a Certified Document –**

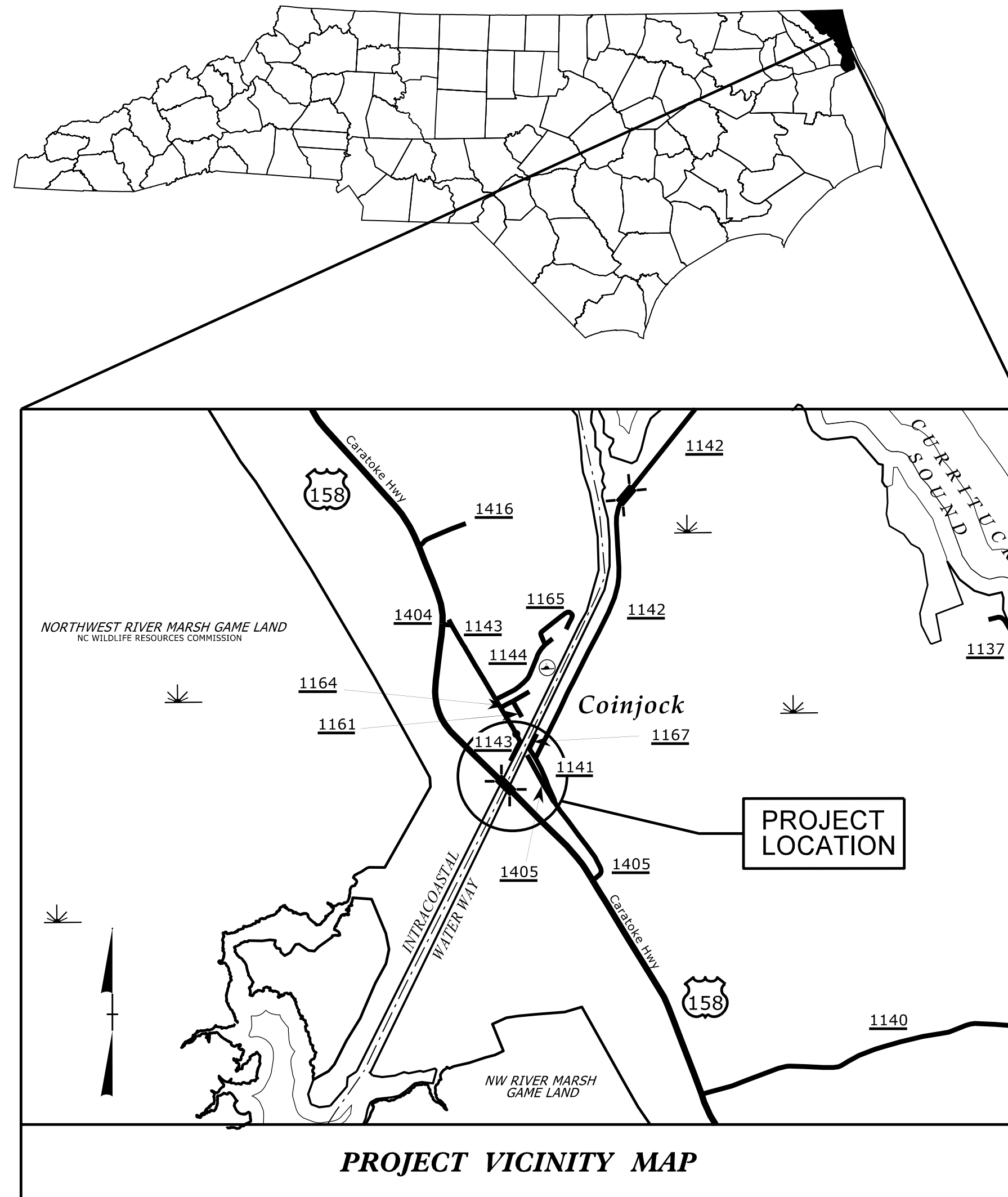
**The documents contained herein were originally issued
and sealed by the individuals whose names and license
numbers appear on each page, on the dates appearing
with their signature on that page.**

**This file or an individual page
shall not be considered a certified document.**

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

CURRITUCK COUNTY



LOCATION: BRIDGE #15 ON US 158 OVER INTERCOASTAL WATERWAY

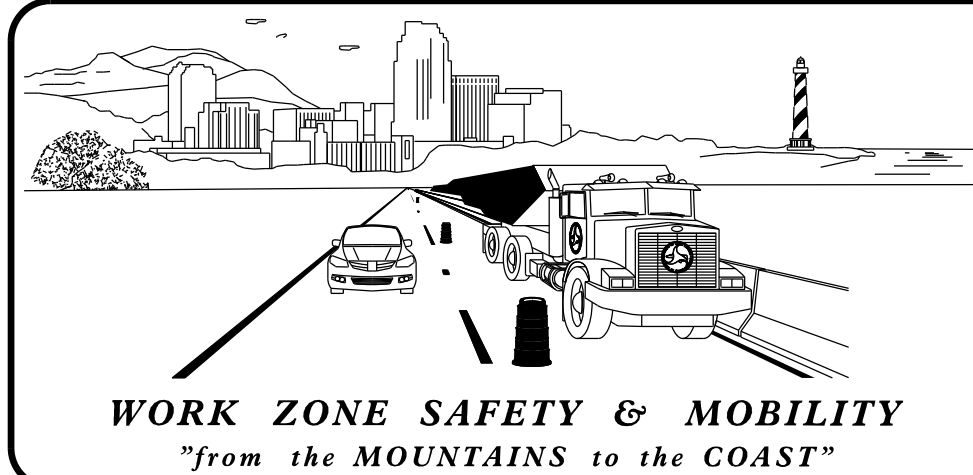
TYPE OF WORK: BRIDGE PRESERVATION – DECK REPAIR, POLYESTER POLYMER CONCRETE (PPC) DECK OVERLAY, JOINT REPLACEMENT, GIRDER REPAIR, SUBSTRUCTURE REPAIR, FENDER SYSTEM REPLACEMENT

INDEX OF SHEETS	
<u>SHEET NO.</u>	<u>TITLE</u>
TMP-1	INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-2	TRAFFIC MANAGEMENT STRATEGY, GENERAL NOTES, PHASING AND LOCAL NOTES
TMP-3	EB MEDIAN LANE/SHOULDER WORK AREA DETAILS
TMP-4	WB MEDIAN LANE/SHOULDER WORK AREA DETAILS
TMP-5	EB AND WB OUTSIDE LANE/SHOULDER WORK AREA DETAILS

SHEET NO.
TMP-1

WBS 15BPR.7

2/23/2018 11:51:11 AM
I:\15BPR\Projects\DIV\15BPR.7_Currituck\TCP\15bpr7_tmp_title.dgn



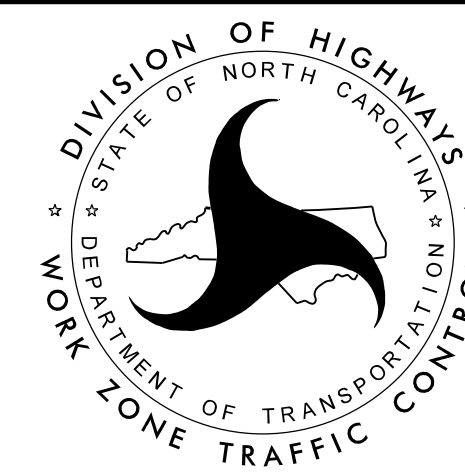
PLANS PREPARED BY:

MIKE RZEPKA, P.E.
PROJECT ENGINEER

YVETTE MARIOTTE
PROJECT DESIGN ENGINEER

NCDOT CONTACTS:

T. M. SHERRILL, P.E.
PRESERVATION AND REPAIR STAFF ENGINEER



555 Fayetteville St,
Suite 900
Raleigh, NC 27601
NC License No: F-0258

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

APPROVED: Michael T. Rzepka
DATE: 2/23/2018

SEAL



ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - 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:

<u>STD. NO.</u>	<u>TITLE</u>
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
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
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
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT)

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- WORK AREA

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW PANEL (TYPE C)
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKERS

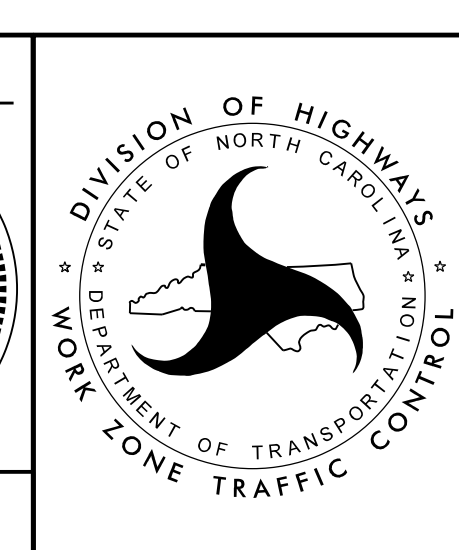
- CRYSTAL / CRYSTAL
- CRYSTAL / RED
- YELLOW / YELLOW

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

APPROVED: *Michael T. Rzepka*
DocuSigned by:
Michael T. Rzepka
118C349C28049D...

DATE: 2/23/2018



ROADWAY STANDARD DRAWINGS
AND LEGEND

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

2/23/2018 4:51:12 PM I:\BPR\Projects\Div01\5BPR.7_Curr\Tuck\TCP\5bpr7_tmp_title_la.dgn

TRAFFIC MANAGEMENT STRATEGY



555 Fayetteville St,
Suite 900
Raleigh, NC 27601
NC License No: F-0258

PROJ. REFERENCE NO.	SHEET NO.
15BPR.7	TMP-2

PROPOSED REPAIRS TO BRIDGE #15 WILL BE PERFORMED USING LANE CLOSURES. REFER TO THIS SHEET FOR PHASING.

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 UNDESIRABLE 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 DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME

US 158

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 12:00 A.M. DECEMBER 31st TO 11:59 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 11:59 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 12:00 A.M. THURSDAY AND 11:59 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 12:00 A.M. FRIDAY TO 11:59 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 12:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 11:59 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 12:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 11:59 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- FOR LABOR DAY, BETWEEN THE HOURS OF 12:00 A.M. FRIDAY AND 11:59 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 12:00 A.M. TUESDAY TO 11:59 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 12:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 11:59 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR THE CALENDAR PERIOD FROM MAY 20TH THROUGH SEPTEMBER 15, EACH WEEKEND BETWEEN THE HOURS OF 12:00 A.M. THE FRIDAY OF THE WEEKEND AND 12:00 A.M. THE MONDAY AFTER THE WEEKEND.

B) 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

- C) 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.
- D) 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.

E) 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.

F) 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.

G) 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.

H) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON US 158.

I) 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.

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

TRAFFIC CONTROL DEVICES

M) 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.

PAVEMENT MARKINGS AND MARKERS

N) UPON COMPLETION OF ALL CONSTRUCTION OPERATIONS, INSTALL FINAL PAVEMENT MARKINGS AND PAVEMENT MARKERS IN ORIGINAL LOCATIONS AS FOLLOWS:

ROAD NAME	MARKING	MARKER
US 158	POLYUREA	PERMANENT RAISED

O) INSTALL TEMPORARY PAVEMENT MARKINGS IN ORIGINAL LOCATIONS AS FOLLOWS UNTIL FINAL MARKINGS ARE PLACED:

ROAD NAME	MARKING	MARKER
US 158	PAINT	NONE

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

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

MISCELLANEOUS

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

PHASING

PERFORM BRIDGE WORK REQUIRING LANE CLOSURES AS FOLLOWS (SEE LOCAL NOTE 1):

- SEE SHEETS TMP-3 & TMP-4 AND USE WITH ROADWAY STANDARD DRAWINGS 1101.02, SHEETS 3 AND 7 OF 14 FOR LEFT-LANE CLOSURE (ON WORK AREA SIDE AS WELL AS OPPOSITE SIDE OF WORK AREA). MEDIAN LANE ON OPPOSITE SIDE OF WORK AREA MAY BE CLOSED AS DIRECTED BY THE ENGINEER. (SEE LOCAL NOTES 2 & 3)
- SEE SHEET TMP-5 AND USE ROADWAY STANDARD DRAWINGS 1101.02, SHEET 3 OF 14, FOR RIGHT-LANE CLOSURE. (SEE LOCAL NOTE 2)

FOR BRIDGE WORK AFFECTING NAVIGABLE WATERS SEE LOCAL NOTE 4.

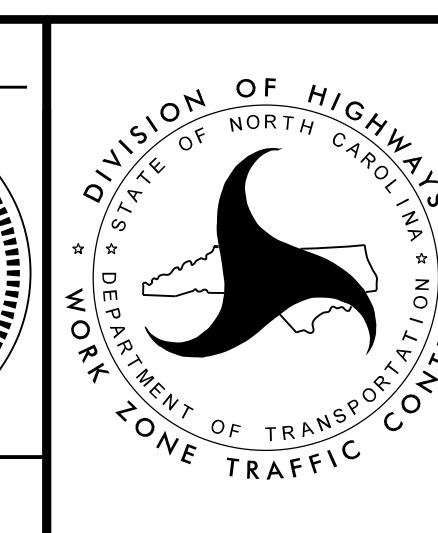
REPLACE PAVEMENT MARKINGS OBLITERATED DURING DECK WORK WITH TEMPORARY PAVEMENT MARKINGS IN THEIR ORIGINAL LOCATIONS UNTIL FINAL MARKINGS ARE INSTALLED.

AT THE COMPLETION OF ALL BRIDGE WORK, USE ROADWAY STANDARD DRAWING 1101.02, SHEET 12 OF 14 AND PLACE FINAL PAVEMENT MARKINGS AND MARKERS IN THEIR ORIGINAL LOCATIONS.

LOCAL NOTES

- OVERWEIGHT/OVERSIZE LOAD RESTRICTIONS WILL BE NEEDED DURING LANE CLOSURE USE.
- IF LANE CLOSURE REMAINS IN PLACE DURING INACTIVE WORK PERIODS, RETURN TRAFFIC TO EXISTING OPEN LANE BY REMOVING THE LANE-NARROWING DRUM TAPER ADJACENT TO WORK AREA AND SHIFT SKINNY DRUMS INTO WORK AREA. SEE SECTION VIEWS ON SHEETS TMP-3 & TMP-4.
- DURING INACTIVE WORK PERIODS, REMOVE LANE CLOSURE ON OPPOSITE SIDE OF WORK AREA (IF USED) AND RETURN TRAFFIC TO EXISTING TWO-LANE PATTERN. SEE SECTION VIEWS ON SHEETS TMP-3 & TMP-4.
- COORDINATE WITH THE U.S. COAST GUARD FOR WORK AFFECTING NAVIGABLE WATERS (SEE SPECIAL PROVISION).

APPROVED: DocuSigned by: Michael T. Rzepka
DATE: 3/8/2018
SEAL

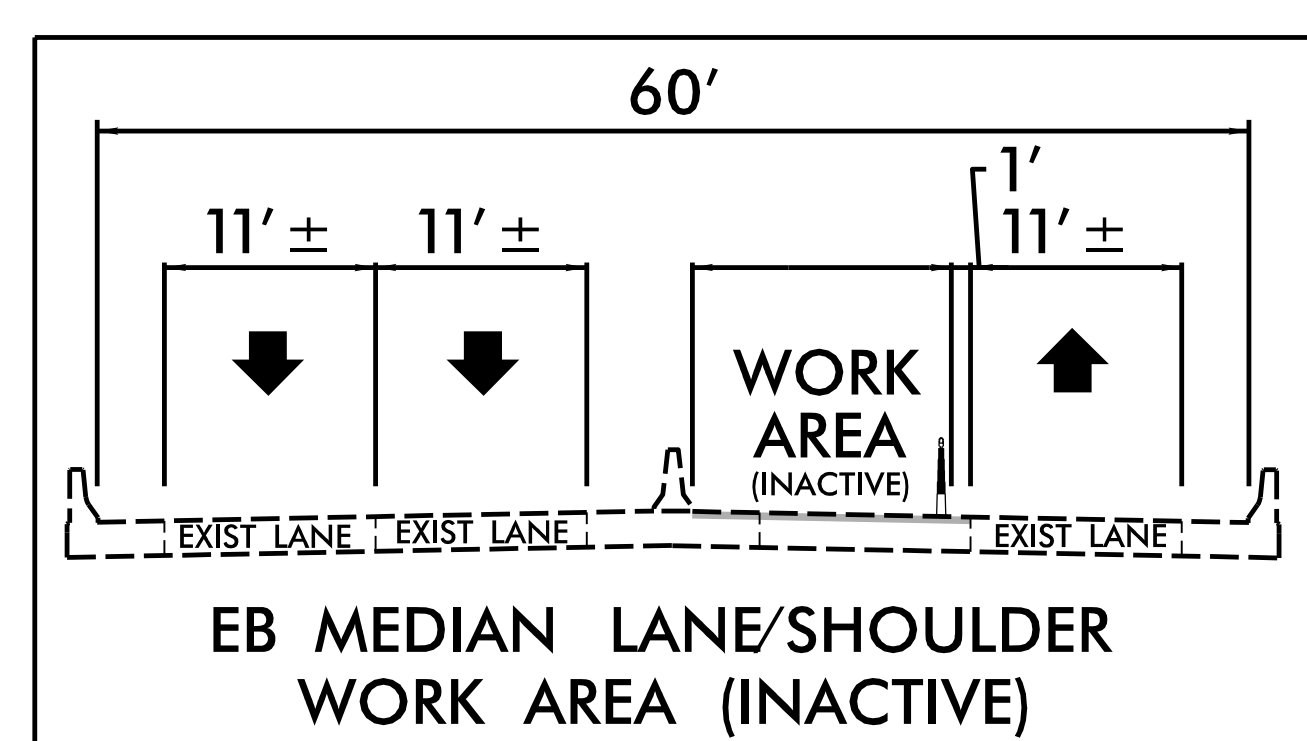
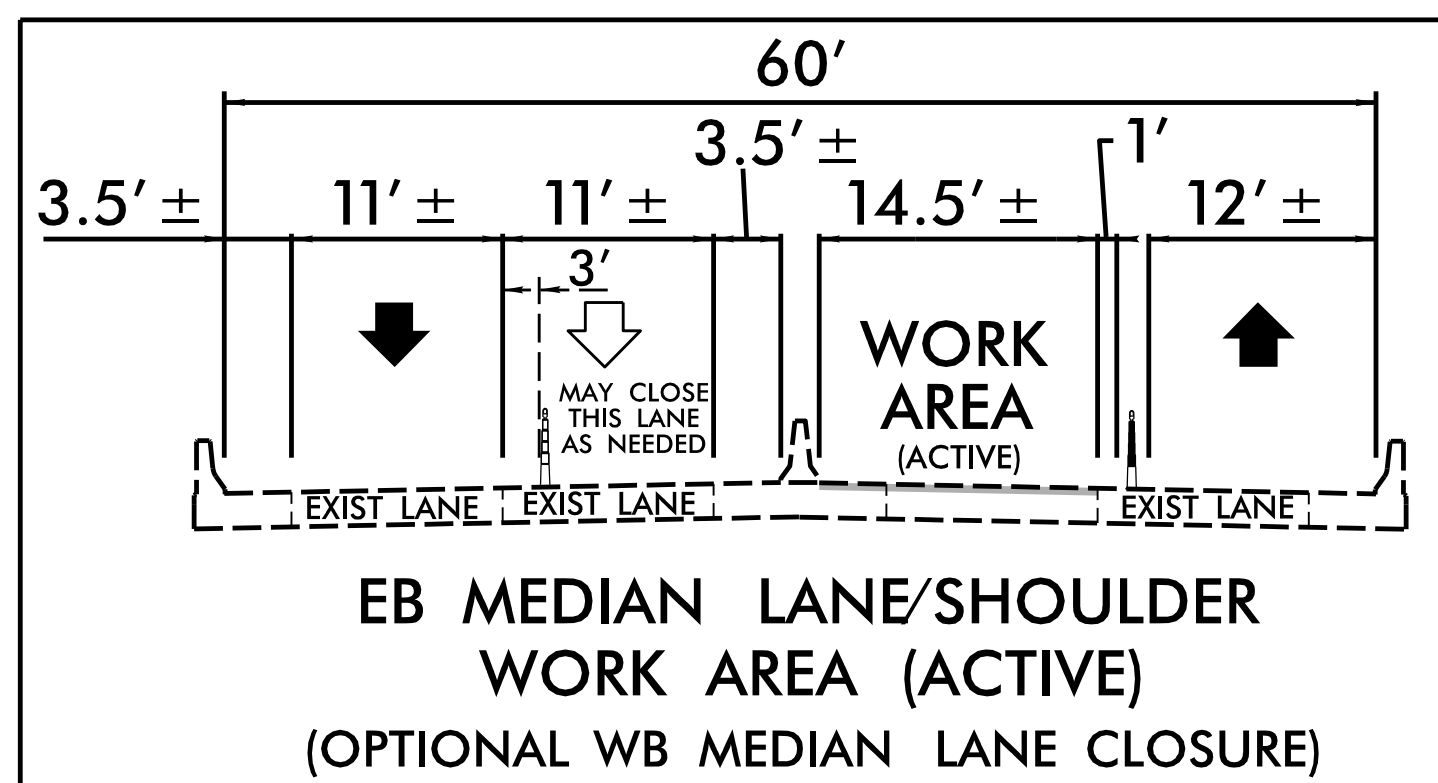
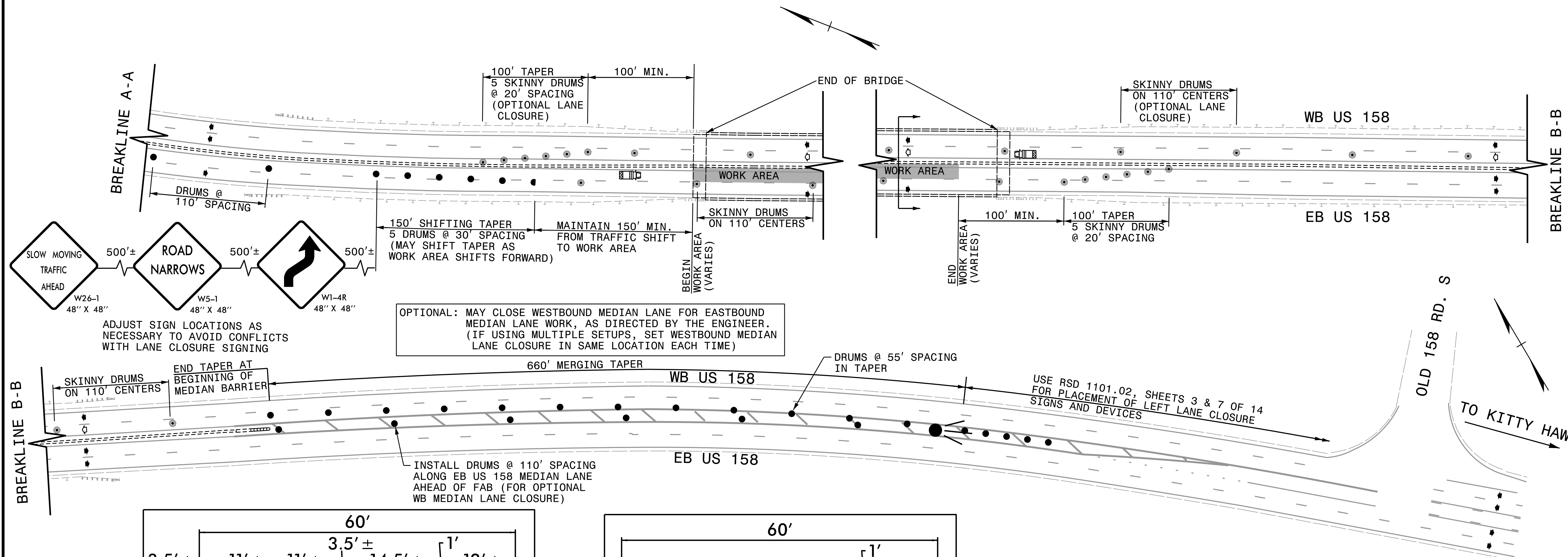
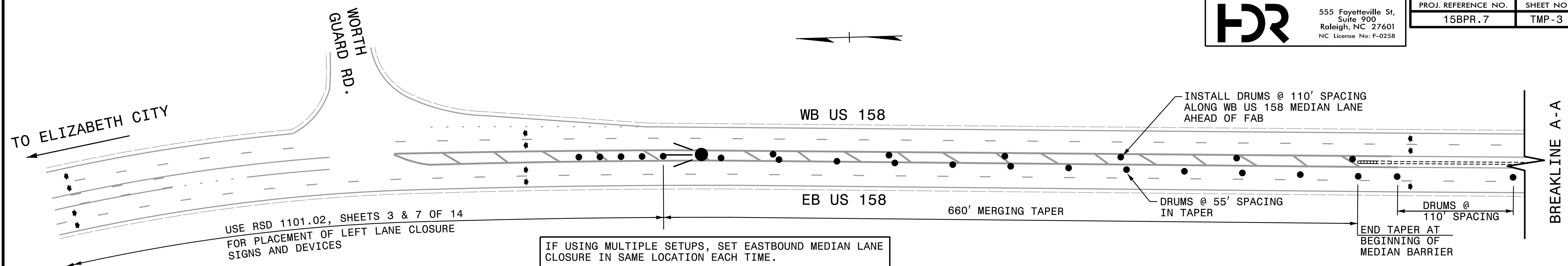


TRAFFIC MANAGEMENT STRATEGY,
GENERAL NOTES, PHASING
AND LOCAL NOTES



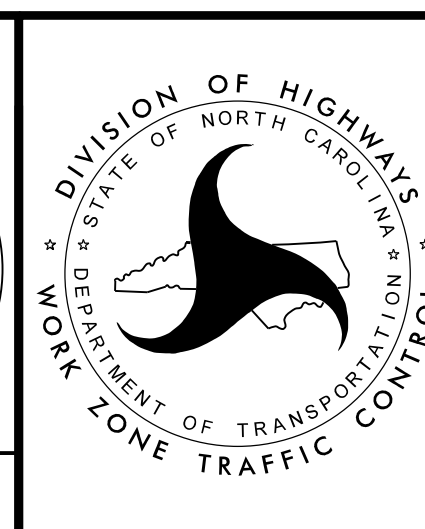
555 Fayetteville St,
Suite 900
Raleigh, NC 27601
NC License No: F-0258

PROJ. REFERENCE NO.	SHEET NO.
15BPR.7	TMP-3



APPROVED: *Michael T. Reppha*
DATE: 2/23/2018
SEAL

PROFESSIONAL ENGINEER
MICHAEL T. REPPHA
SEAL 15876



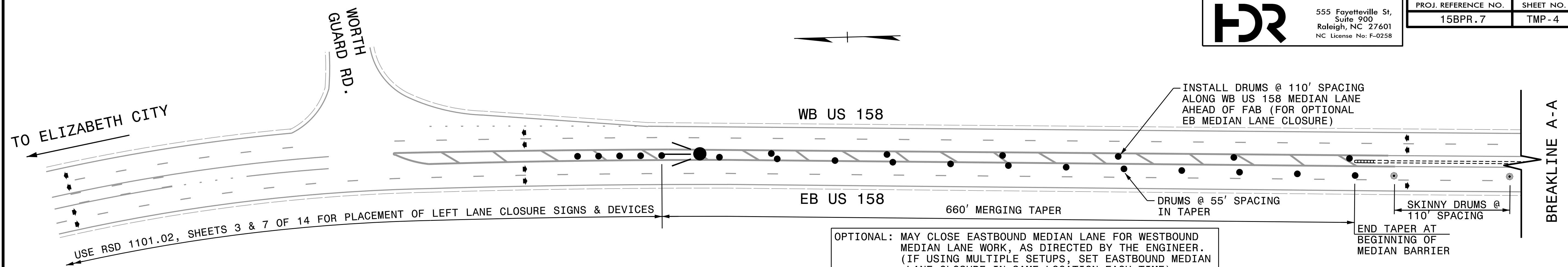
EB MEDIAN LANE/SHOULDER WORK AREA DETAILS

2/23/2018 4:11:15 PM C:\projects\15BPR.7_Curr\Huck\TCP\15bpr7_tmp_dtl_3.dgn



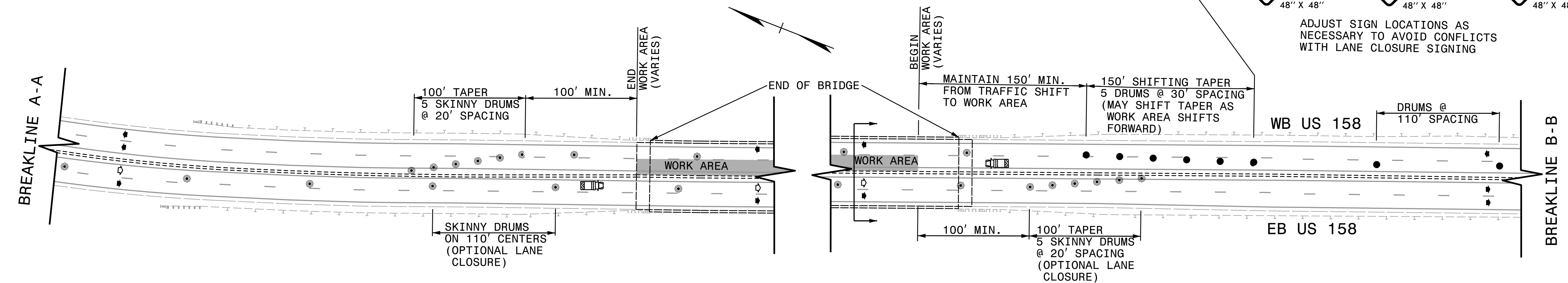
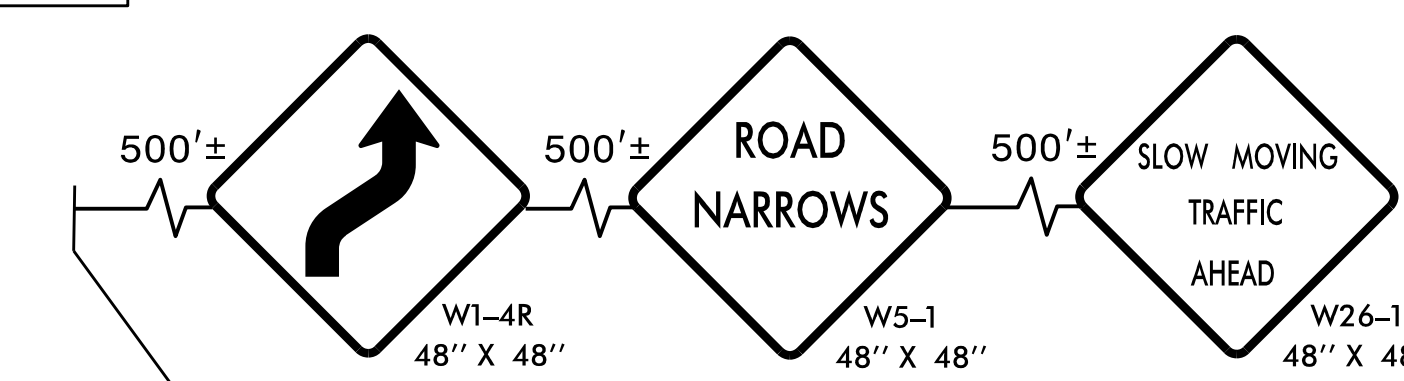
555 Fayetteville St,
Suite 900
Raleigh, NC 27601
NC License No: F-0258

PROJ. REFERENCE NO.	SHEET NO.
15BPR.7	TMP-4

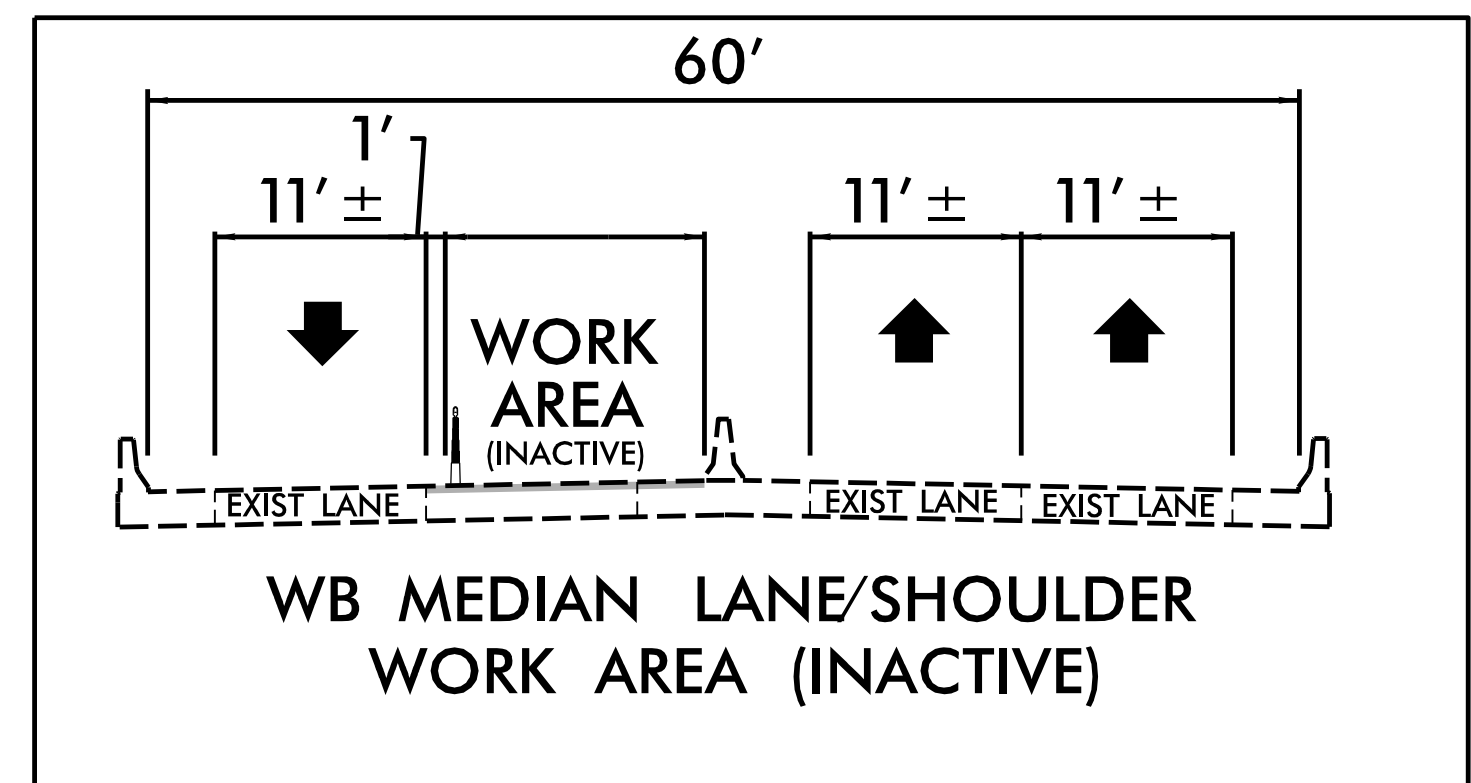
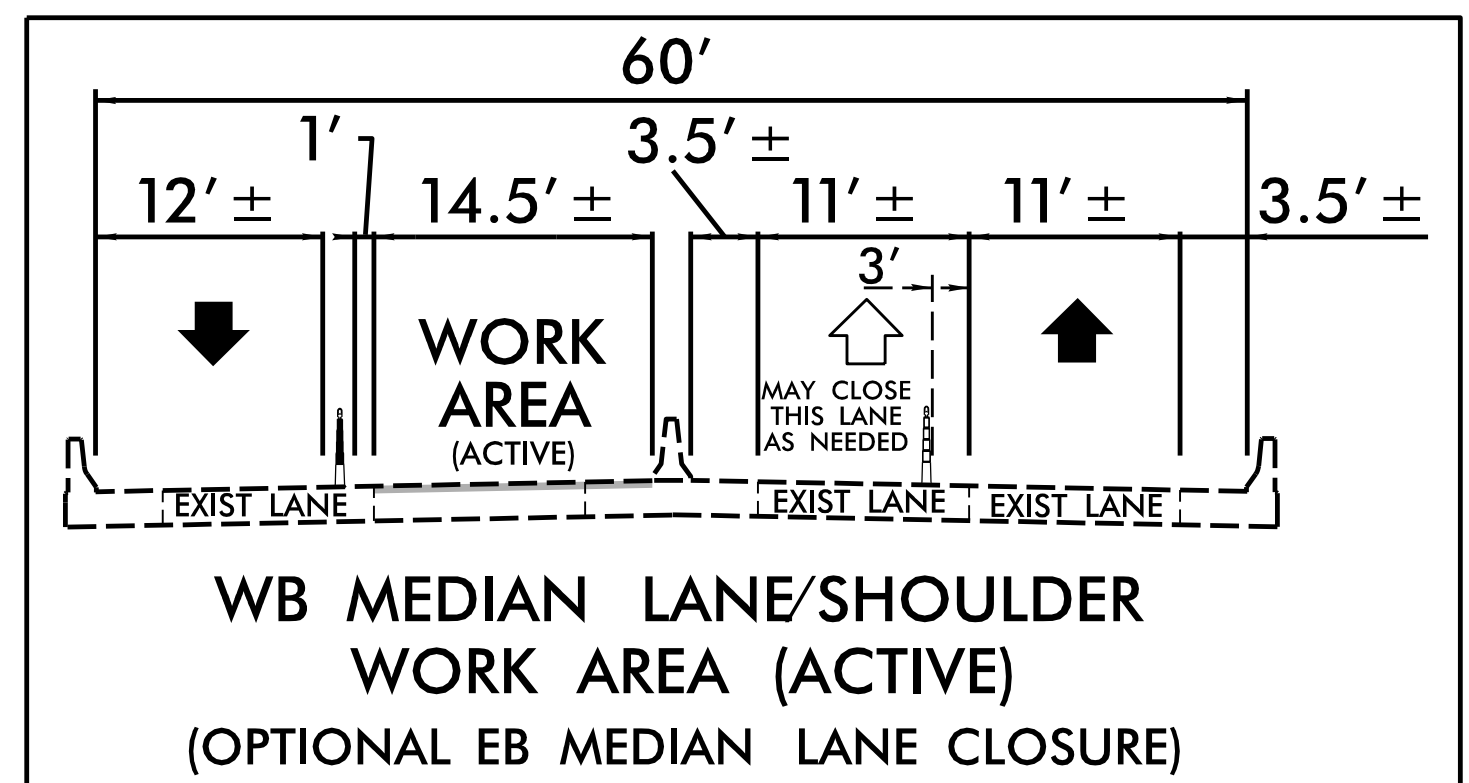
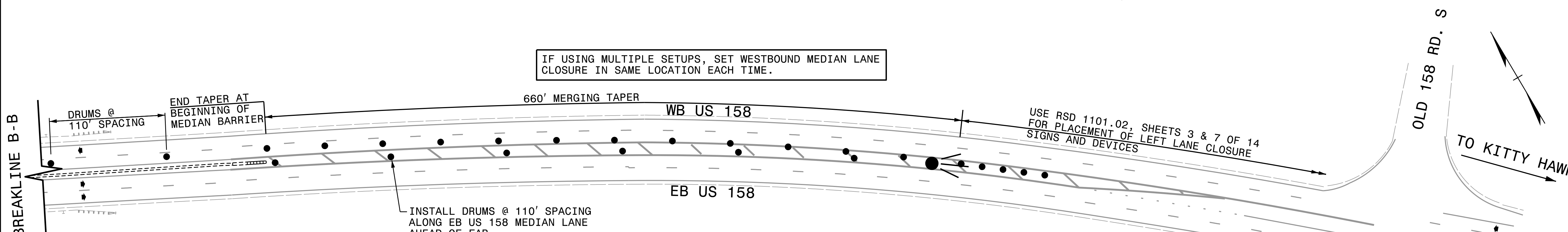


USE RSD 1101.02, SHEETS 3 & 7 OF 14 FOR PLACEMENT OF LEFT LANE CLOSURE SIGNS & DEVICES

OPTIONAL: MAY CLOSE EASTBOUND MEDIAN LANE FOR WESTBOUND MEDIAN LANE WORK, AS DIRECTED BY THE ENGINEER. (IF USING MULTIPLE SETUPS, SET EASTBOUND MEDIAN LANE CLOSURE IN SAME LOCATION EACH TIME)



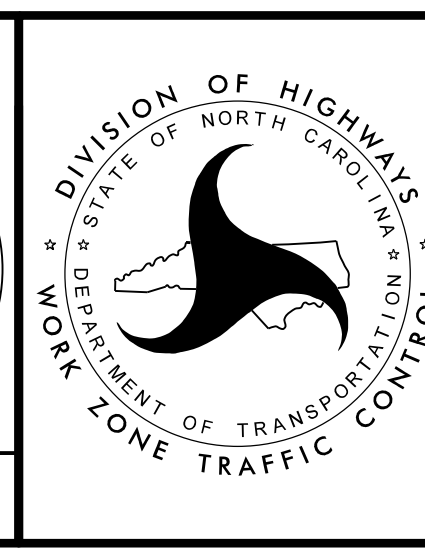
IF USING MULTIPLE SETUPS, SET WESTBOUND MEDIAN LANE CLOSURE IN SAME LOCATION EACH TIME.



APPROVED: *Michael T. Rydger*
DATE: 2/23/2018

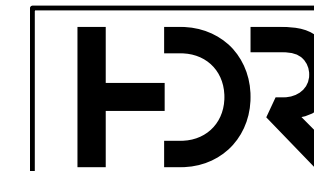
SEAL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



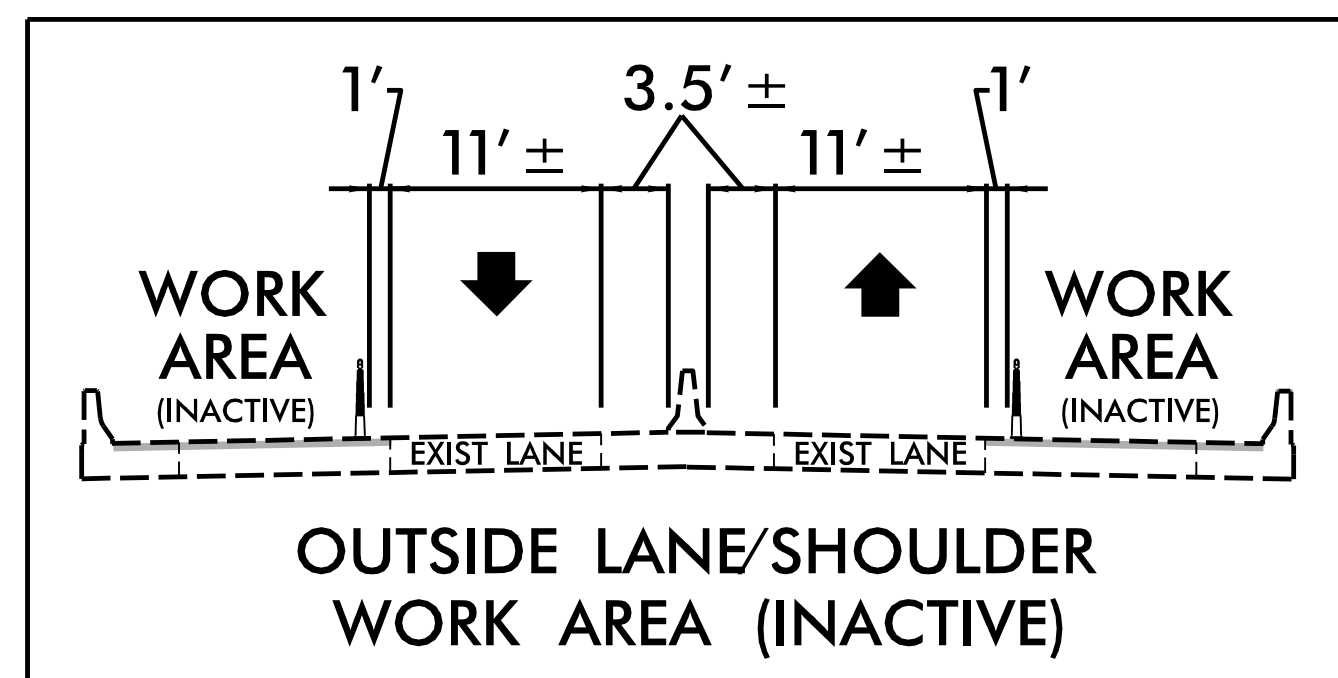
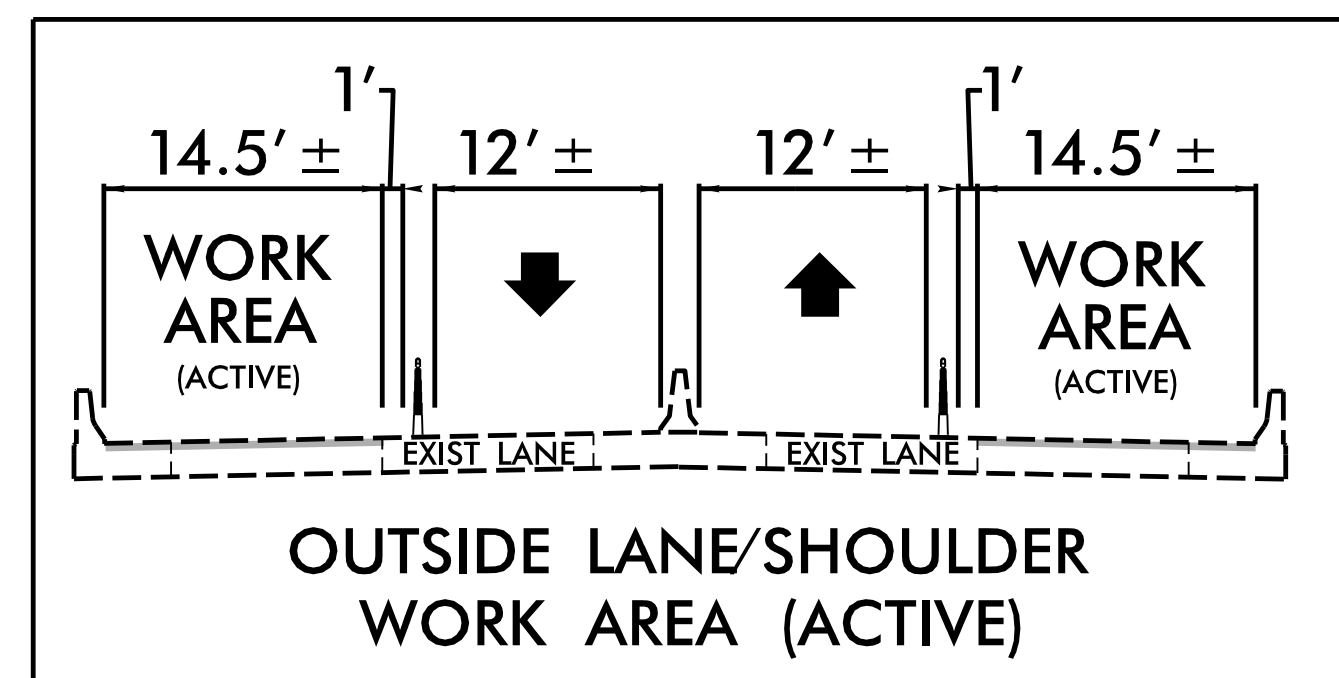
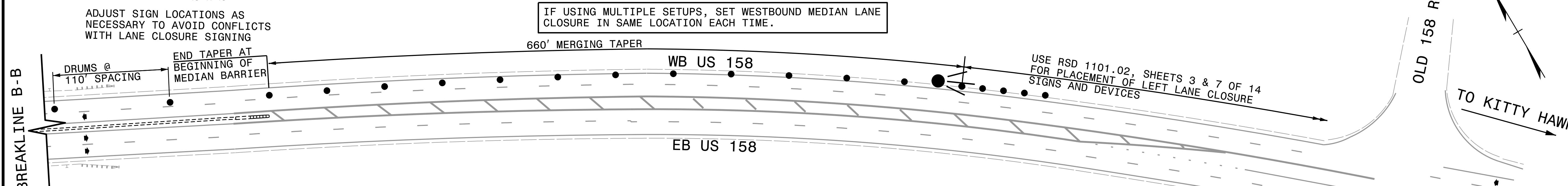
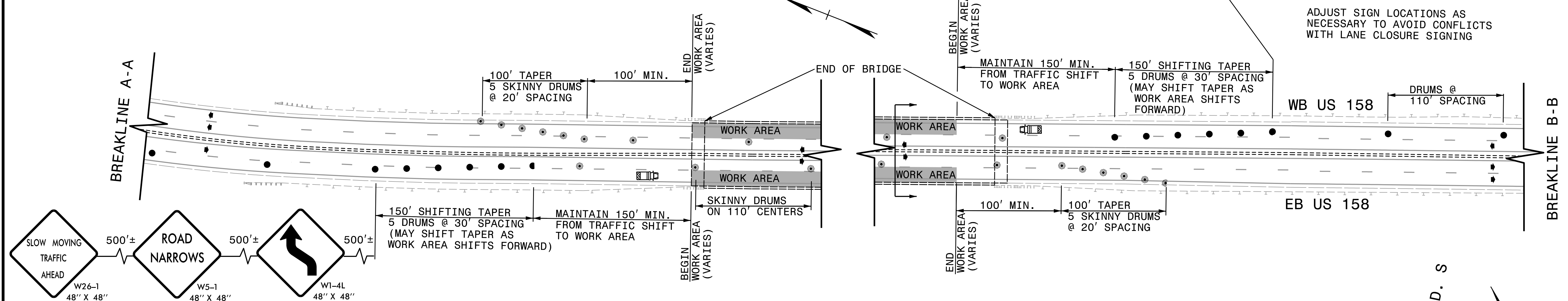
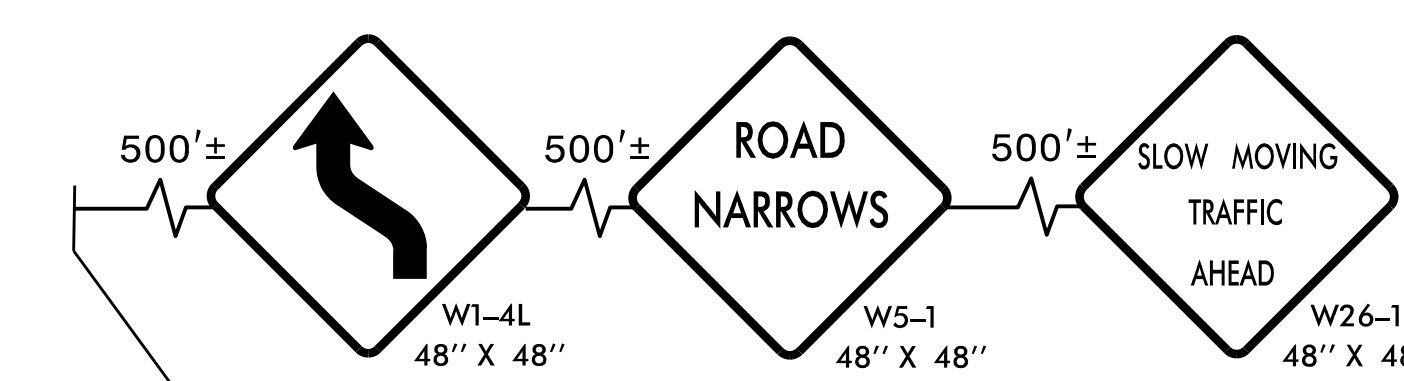
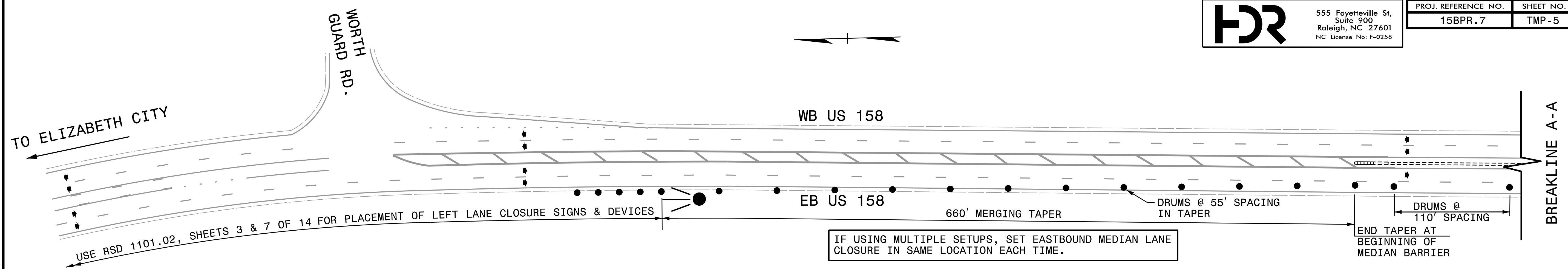
WB MEDIAN LANE/SHOULDER WORK AREA DETAILS

2/23/2018 4:51:16 PM \\s:\projects\15BPR.7_Curr\Huck\CPN\5bpr7_tmp.dtl_4.dgn



555 Fayetteville St,
Suite 900
Raleigh, NC 27601
NC License No: F-0258

PROJ. REFERENCE NO.	SHEET NO.
15BPR.7	TMP-5

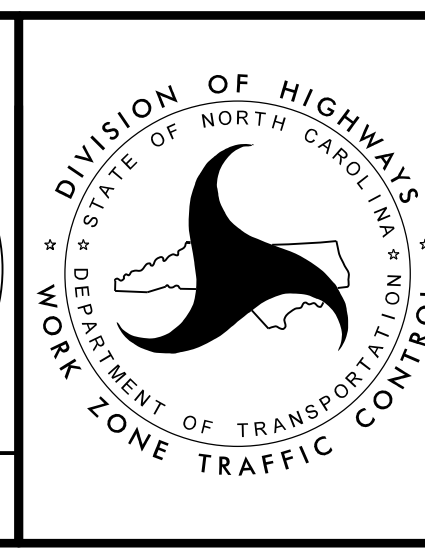


APPROVED: *Michael T. Rzepka*

DATE: 2/23/2018

SEAL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DIVISION OF HIGHWAYS

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION & WORK ZONE TRAFFIC CONTROL

EASTBOUND AND WESTBOUND OUTSIDE LANE/SHOULDER WORK AREA DETAILS

2/23/2018
 C:\Users\jbrp\Documents\15BPR.7_Curr\Tuck\15BPR.7_tmp.dtl.5.dgn
 11:51:18 AM