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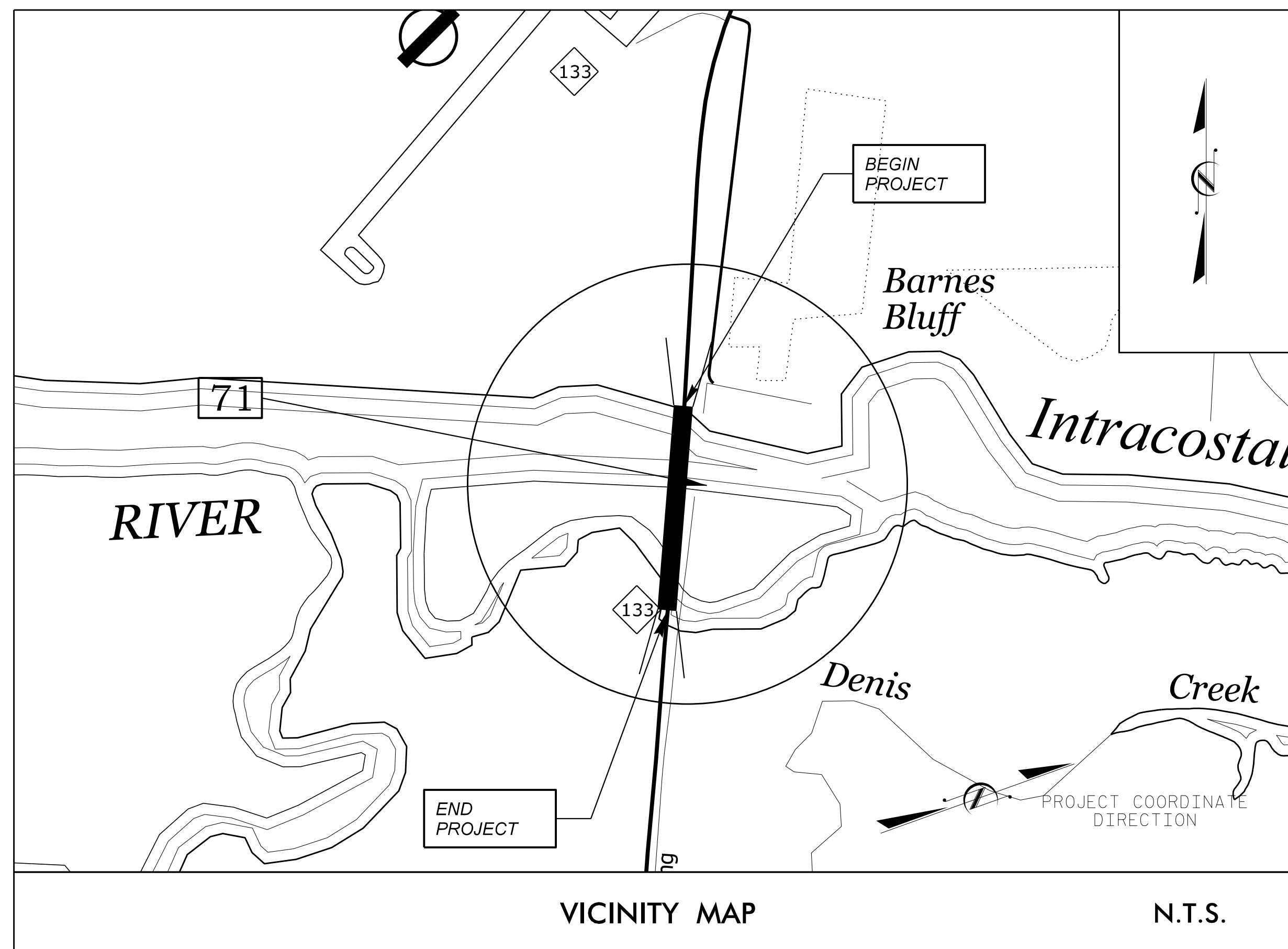
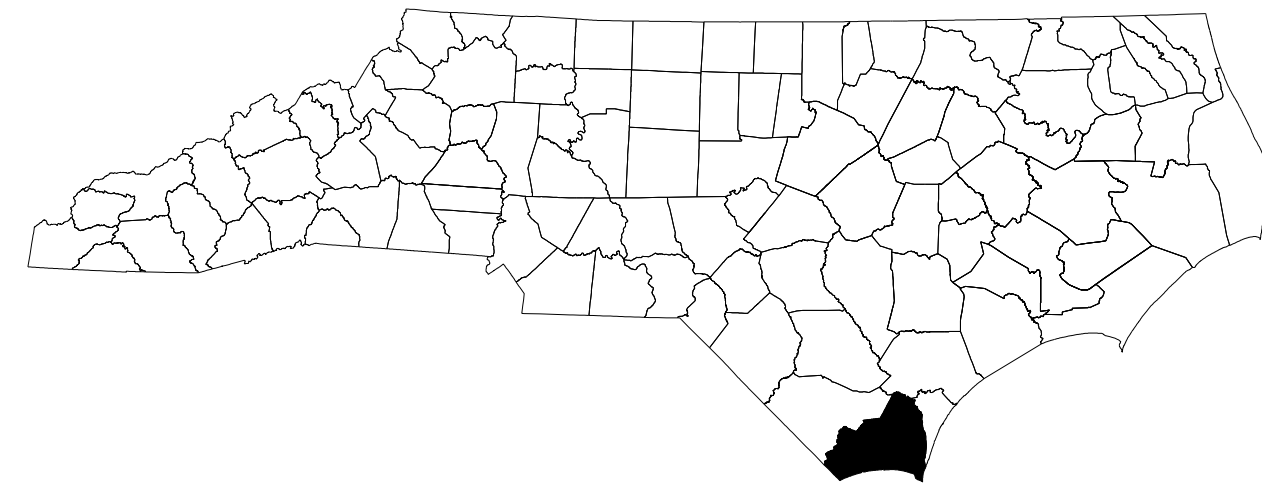
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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

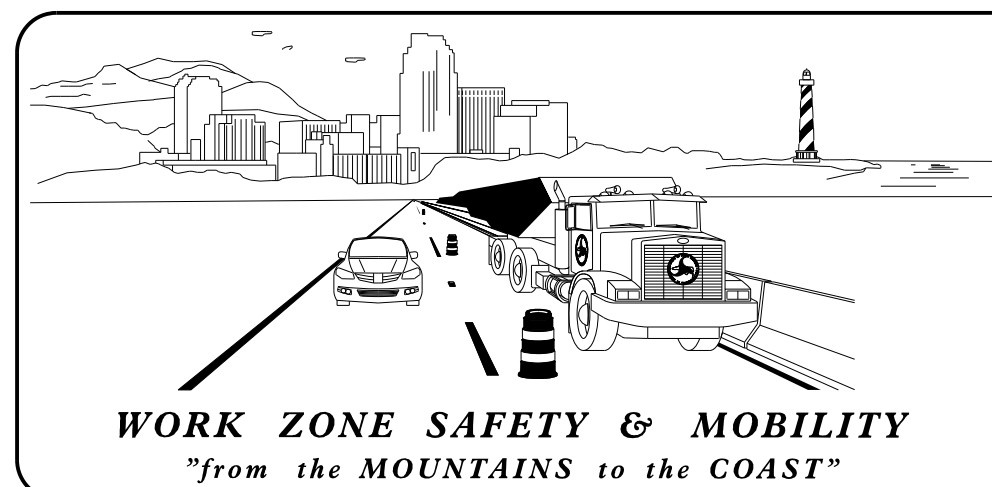
**BRUNSWICK COUNTY**



<b>INDEX OF SHEETS</b>	
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
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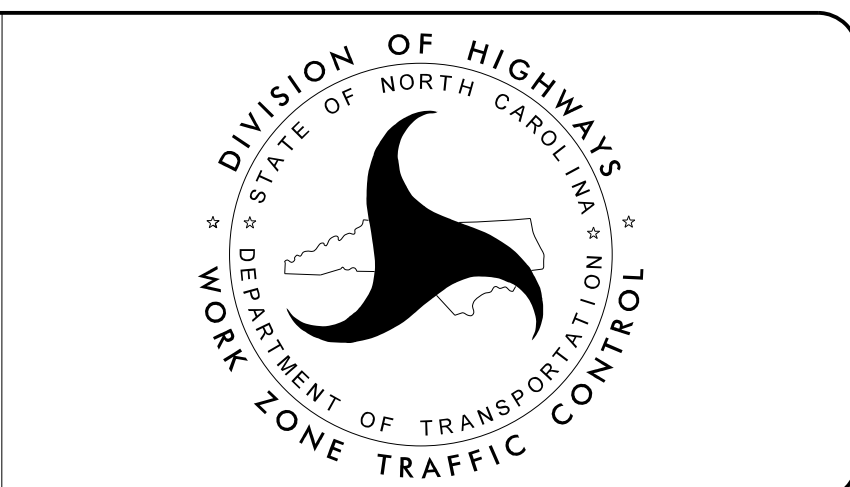
SHEET NO.  
TMP-1

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**PLANS PREPARED BY:**  
JACOB H. DUKE, P.E.  
WORK ZONE TRAFFIC CONTROL ENGINEER

**NCDOT CONTACTS:**  
J.S. (STEVE) KITE, P.E.  
PROJECT ENGINEER  
MATT SPRINGER, P.E.  
PROJECT DESIGN ENGINEER



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**KCA** Kisinger Campo & Associates Corp.  
4800 Six Forks Rd., Suite 120  
Raleigh, NC 27609  
Jacob H. Duke, PE No. 043777

**APPROVED:** *Jacob H. Duke*  
DocuSigned by: Jacob H. Duke  
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**DATE:** 4/12/2018  
**SEAL**













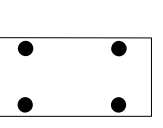

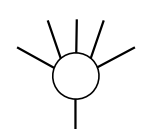


**PROJECT: 15BPR.25**

# ROADWAY STANDARD DRAWINGS

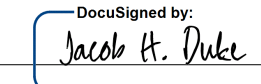
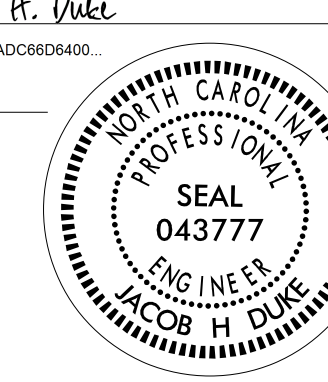
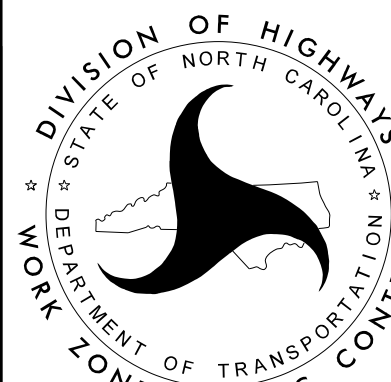
THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

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
1101.06	WARNING SIGNS FOR BLASTING ZONES
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	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE 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
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
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
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

# LEGEND

-  DIRECTION OF TRAFFIC FLOW
-  SKINNY DRUM
-  PORTABLE SIGN
-  STATIONARY SIGN
-  STATIONARY OR PORTABLE SIGN
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  CHANGEABLE MESSAGE SIGN
-  FLAGGER
-  NORTH ARROW
-  BARRICADE (TYPE III)
-  FLASHING ARROW BOARD (TYPE C) (96"X48" MIN.) "CAUTION MODE"
-  WORK AREA
-  "SEQUENTIAL" LIGHTING ON DRUMS IN TAPERS
-  LIGHTED FIXTURE
-  PORTABLE CONCRETE BARRIER

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APPROVED:  DATE: 4/12/2018			ROADWAY STANDARD DRAWINGS & LEGEND
<b>DOCUMENT NOT CONSIDERED FINAL                  UNLESS ALL SIGNATURES COMPLETED</b>			

# GENERAL NOTES

PROJ. REFERENCE NO. 15BPR.25	SHEET NO. TMP-1B
<b>KCA</b> <small>Kisinger Campo &amp; Associates Corp. 4800 Six Forks Rd., Suite 120 Raleigh, NC 27609 Jacob H. Duke, PE No. 043777</small>	

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**

1. NC 133/LONG BEACH ROAD/COUNTRY CLUB DR & E OAK ISLAND DR

1. FOR KING MACKEREL TOURNAMENT ON THURSDAY OCTOBER 4TH 2018 AND SATURDAY OCTOBER 6TH 2018.
2. WEEK BEFORE MEMORIAL DAY TO WEEK AFTER LABOR DAY (SUMMER)  
5:00 A.M. TO 9:00 P.M. MONDAY THRU THURSDAY AND FRIDAY  
5:00 A.M. TO SUNDAY 9:00 P.M.
3. WEEK AFTER LABOR DAY TO WEEK BEFORE MEMORIAL DAY (OFF SEASON)  
6:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 7:00 P.M. MONDAY THRU THURSDAY AND FRIDAY 6:00 A.M. TO SUNDAY 7:00 P.M.

**HOLIDAY**

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 A.M. DECEMBER 31ST TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 5:00 A.M. TWO DAYS BEFORE INDEPENDENCE DAY AND 9:00 P.M. TWO DAYS AFTER INDEPENDENCE DAY.  
  
IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 5:00 A.M. THE WEDNESDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE WEDNESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

B) FOR ALL REMAINING REPAIR/REHAB WORK FOR THE DECK, RAILS, AND APPROACHES DO NOT CLOSE OR NARROW TRAVEL LANES IN EITHER DIRECTION BETWEEN THE HOURS LISTED IN GENERAL NOTE A.

**GENERAL NOTES**

- 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.
- D) ALL TRAFFIC CONTROL SETUP, MAINTENANCE AND BREAKDOWN/REMOVAL SHALL ADHERE TO THE STANDARDS AND SPECIFICATIONS SET FORTH BY THE MOST RECENT EDITION OF THE MANUAL FOR UNIFORM TRAFFIC CONTROL (MUTCD), THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) STANDARDS AND SPECIFICATIONS AND ROADWAY STANDARD DRAWINGS.
- E) THE CONTRACTOR SHALL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS AND DRIVEWAYS ENTERING THIS PROJECT.
- F) THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES BEFORE BEGINNING CONSTRUCTION BY CONTACTING THE NORTH CAROLINA ONE CALL CENTER (1-800-632-4949).
- G) THE CONTRACTOR SHALL COORDINATE THE FINAL PAVEMENT MARKING LAYOUT WITH ALL LONGITUDINAL PAVEMENT JOINTS ON THE FINAL SURFACE LAYER PRIOR TO PAVING.
- H) PERFORM WORK ONLY WHEN WEATHER AND VISIBILITY CONDITIONS ALLOW SAFE OPERATIONS.
- I) ALL PEDESTRIAN TRAFFIC SHALL BE MAINTAINED DURING THE LIFE OF THE PROJECT. INCLUDING ANY CROSSWALKS, SIDEWALKS, SIDE STREETS AND DRIVEWAYS.

**LANE SHIFT AND SHOULDER CLOSURE REQUIREMENTS**

- J) 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.
- K) 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.
- L) 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.
- M) 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.
- N) 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**

O) 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) 500FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

**TRAFFIC PATTERN ALTERATIONS**

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

DIVISION 3 NCDOT CONTACT INFORMATION FOR CLOSURES ON BRIDGE NO. 14:

FRANK GRANDA - TRANSPORTATION SUPERVISOR  
OFFICE: (910) 371-2372  
CELL: (910) 470-3927

**SIGNING**

- Q) 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.
- R) 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.
- S) 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.
- T) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

**TRAFFIC CONTROL DEVICES**

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

**PAVEMENT MARKINGS AND MARKERS**

- W) REVIEW AND RECORD EXISTING PAVEMENT MARKINGS AND MARKERS PRIOR AND SIGNAL LOOPS TO MILLING AND DECK RESURFACING. USE THE RECORD OF EXISTING PAVEMENT MARKINGS AND MARKERS IN CONJUNCTION WITH THE BRIDGE PLANS, THE TRANSPORTATION MANGEMENT PLANS AND THE MOST RECENT VERSION OF THE ROADWAY STANDARD DRAWINGS AND TO REESTABLISH THE PROPOSED PAVEMENT MARKINGS AND MARKERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- X) REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS, SYMBOLS AND CHARACTERS OBLITERATED BY WORK WITH TEMPORARY PAINT IN ACCORDANCE WITH SECTION 1205 OF THE LATEST VERSION OF THE NCDOT STANDARD SPECIFICATIONS BY THE END OF EACH WORK DAY AT NO COST TO THE DEPARTMENT.
- Y) PERFORM THE NECESSARY LAYOUT TO TIE IN EITHER TEMPORARY OR PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

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APPROVED: DATE: 4/12/2018  		<h2 style="margin: 0;">GENERAL NOTES</h2> <p style="margin: 0;">( 1 OF 2 )</p>
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## GENERAL NOTES (CONT.)

**TRAFFIC BARRIER:**

Z) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE / RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

AA) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO 1101.05)

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45 - 50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

## PCMS MESSAGES

PCMS MESSAGE  
ONE WEEK  
PRIOR TO BRIDGE CLOSURE

MESSAGE NO. 1	MESSAGE NO. 2
NC 133 BRIDGE CLOSURE	MM/DD TO MM/DD

CHANGEABLE MESSAGE SIGN

PCMS MESSAGE  
DURING  
BRIDGE CLOSURE

MESSAGE NO. 1	MESSAGE NO. 2
NC 133 CLOSED AHEAD	FOLLOW DETOUR

CHANGEABLE MESSAGE SIGN

PROVIDE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AT MINIMUM OF (7) CALENDAR DAYS IN ADVANCE OF ANY WORK AND RETAIN THESE MESSAGE BOARDS ON THE PROJECT WITH UPDATED MESSAGING THROUGHOUT THE DURATION OF THE PROJECT. THE PCMS' SHALL BE PLACED A MINIMUM OF 500' IN ADVANCE OF THE WORK ZONE. SEE ABOVE FOR TIMING AND MESSAGES. SIGN LOCATION AND MESSAGE CAN BE CHANGED AT THE APPROVAL OF THE ENGINEER.

## PHASING NOTES

PERFORM ALL WORK AS SHOWN IN THE CONTRACT AND BRIDGE PLANS IN ACCORDANCE WITH ALL COAST GUARD REGULATIONS & REQUIREMENTS. FOR U.S. COAST GUARD CONTACT INFORMATION, SEE PROJECT SPECIAL PROVISIONS.

ALL LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE NCDOT STANDARD SPECIFICATIONS, STANDARD DRAWINGS AND THE TRANSPORTATION MANAGEMENT PLAN.

**PHASING:**

CONTRACTOR MAY WORK ON MULTIPLE LOCATIONS SIMULTANEOUSLY IF APPROVED BY THE ENGINEER.

USE NCDOT RSD 1101.01 SHEETS 1 THRU 3 OF 3 TO INSTALL ADVANCED WARNING SIGNS AND DEVICES.

FOR PHASE 7 ONLY: INTERMEDIATE CONTRACT TIME FOR BRIDGE AND OFFSITE DETOUR. THE BRIDGE MAY BE CLOSED FOR A PERIOD NOT TO EXCEED 26 WEEKS. THIS TIME PERIOD MAY BEGIN NO EARLIER THAN OCTOBER 15, 2018 AND END NO LATER THAN APRIL 15, 2019.

**SECTION 1**

**PHASE 1:**

STEP 1: USE NCDOT RSD 1101.02 SHEET 1 OF 14 AND ROADWAY PLANS VICINITY MAP, TMP-9 TO CLOSE THE NORTHBOUND AND CENTER LANES OF NC 133/COUNTRY CLUB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON THE NORTHBOUND AND CENTER LANES. PERFORM MILL-PATCH ON THE NORTHBOUND AND CENTER LANES AS REQUIRED IN THE ROADWAY PLANS. AT THE END OF THE WORK PERIOD, REOPEN TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL COMPLETE.

**PHASE 2:**

STEP 1: USE NCDOT RSD 1101.02 SHEET 2 OF 14 AND ROADWAY PLANS VICINITY MAP, TMP-9 TO CLOSE THE SOUTHBOUND LANE OF NC 133/COUNTRY CLUB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON THE SOUTHBOUND LANE. PERFORM MILL-PATCH ON THE SOUTHBOUND LANE AS REQUIRED IN THE ROADWAY PLANS. AT THE END OF THE WORK PERIOD, REOPEN TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL COMPLETE.

**PHASE 3:**

STEP 1: USE NCDOT RSD 1101.02 SHEET 1 OF 14 AND ROADWAY PLANS VICINITY MAP, TMP-9 TO CLOSE THE WESTBOUND AND CENTER LANES OF E OAK ISLAND DRIVE BETWEEN THE LIMITS SHOWN IN THE ROADWAY PLANS DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON THE WESTBOUND AND CENTER LANES. PERFORM MILL-PATCH ON THE WESTBOUND AND CENTER LANES AS REQUIRED IN THE ROADWAY PLANS. AT THE END OF THE WORK PERIOD, REOPEN TO TRAFFIC.

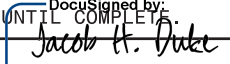
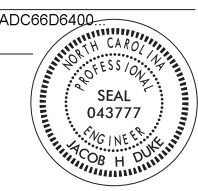
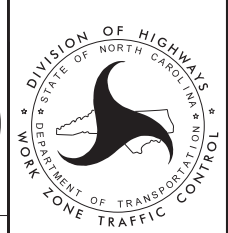
STEP 2: REPEAT STEP 1 UNTIL COMPLETE.

**SECTION 2:**

**PHASE 4:**

STEP 1: USE NCDOT RSD 1101.02 SHEET 2 OF 14 AND ROADWAY PLANS VICINITY MAP, TMP-9 TO CLOSE THE EASTBOUND LANE OF E OAK ISLAND DRIVE BETWEEN THE LIMITS SHOWN IN THE ROADWAY PLAN DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON THE EASTBOUND LANE. PERFORM MILL-PATCH ON THE EASTBOUND LANE AS REQUIRED IN THE ROADWAY PLANS. AT THE END OF THE WORK PERIOD, REOPEN TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL COMPLETE.

APPROVED:  9CD53ADC66D6400 DATE: 5/2/2018 SEAL			GENERAL NOTES (2 OF 2) & PHASING NOTES (1 OF 2)
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

5/2/2018 10:42:00 AM G:\4201720\_00-xx-Br\unswick-4\Traffic\TrafficContr\01\CP\200\_020\_15BPR.25.TC.TMP-1C\_GENERAL NOTES (2 OF 2).dgn  
 User: rscullum  
 \$DOCSET\_CURRENTSETDOC\$

PROJ. REFERENCE NO.	SHEET NO.
15BPR.25	TMP-1D

**KCA** Kisinger Campo & Associates Corp.  
4800 Six Forks Rd.,  
Suite 120  
Raleigh, NC 27609  
KISINGER CAMPO & ASSOCIATES Jacob H. Duke, PE No. 043777

## PHASING NOTES (CONT.)

**PHASE 5:**

STEP 1: USE NCDOT RSD 1101.02 SHEET 1 OF 14 AND ROADWAY PLANS VICINITY MAP, TMP-9 TO CLOSE THE WESTBOUND AND CENTER LANES OF E OAK ISLAND DRIVE BETWEEN THE LIMITS SHOWN IN THE ROADWAY PLANS DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON THE WESTBOUND AND CENTER LANES. PERFORM MILL-PATCH ON THE WESTBOUND AND CENTER LANES AS REQUIRED IN THE ROADWAY PLANS. AT THE END OF THE WORK PERIOD, REOPEN TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL COMPLETE.

**SECTION 3:**

**PHASE 6:**

STEP 1: USE NCDOT RSD 1101.02 SHEET 2 OF 14 AND ROADWAY PLANS VICINITY MAP, TMP-9 TO CLOSE THE EASTBOUND LANE OF E OAK ISLAND DRIVE BETWEEN THE LIMITS SHOWN IN THE ROADWAY PLANS DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON THE EASTBOUND LANE. PERFORM MILL-PATCH ON THE EASTBOUND LANE AS REQUIRED IN THE ROADWAY PLANS. AT THE END OF THE WORK, PERIOD REOPEN TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL COMPLETE.

**PHASE 7:**

STEP 1: USE TMP-2 THRU TMP-6 FOR THE OFFSITE DETOUR. PLACE DETOUR SIGNS AND DEVICES FOR CLOSURES ALONG NC 133/LONG BEACH RD SE, COUNTRY CLUB DR/CASWELL BEACH RD, E OAK ISLAND DR, W OAK ISLAND DR, NC 906/E F MIDDLETON AVE, NC 211/SOUTHPORT-SUPPLY RD SE, NC 906/ MIDWAY RD SE. COVER SIGNS UNTIL DETOUR IS READY FOR OPERATION.

STEP 2: UNCOVER SIGNS AND CLOSE BRIDGE #14 TO TRAFFIC.

STEP 3: PERFORM ALL WORK PER BRIDGE PLANS.

STEP 4: COMPLETE ALL APPROACH ROADWAY WORK, TIE-INS AND ASSOCIATED ITEMS.

STEP 5: AFTER ALL WORK IS COMPLETE, REMOVE ALL SIGNS AND DEVICES TO REOPEN BRIDGE #14 TO TRAFFIC.

**SECTION 1:**

**PHASE 8:**

STEP 1: USE NCDOT RSD 1101.02 SHEET 1 OF 14 AND ROADWAY PLANS VICINITY MAP, TMP-9 TO CLOSE THE NORTHBOUND AND CENTER LANES OF NC 133/COUNTRY CLUB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON THE NORTHBOUND AND CENTER LANES. PERFORM MILLING AND RESURFACING OPERATIONS, AND STRIPING PER ROADWAY APPLICABLE STANDARD ON THE NORTHBOUND AND CENTER LANES AS REQUIRED IN THE ROADWAY PLANS. AT THE END OF THE WORK PERIOD, REOPEN TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL COMPLETE.

**PHASE 9:**

STEP 1: USE NCDOT RSD 1101.02 SHEET 2 OF 14 AND ROADWAY PLANS VICINITY MAP, TMP-9 TO CLOSE THE SOUTHBOUND LANE OF NC 133/COUNTRY CLUB DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON THE SOUTHBOUND LANE. PERFORM MILLING AND RESURFACING OPERATIONS, AND STRIPING PER ROADWAY APPLICABLE STANDARD ON THE SOUTHBOUND LANE AS REQUIRED IN THE ROADWAY PLANS. AT THE END OF THE WORK PERIOD, REOPEN TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL COMPLETE.

**SECTION 2:**

**PHASE 10:**

STEP 1: USE NCDOT RSD 1101.02 SHEET 1 OF 14 AND ROADWAY PLANS VICINITY MAP, TMP-9 TO CLOSE THE WESTBOUND AND CENTER LANES OF E OAK ISLAND DRIVE BETWEEN THE LIMITS SHOWN IN THE ROADWAY PLANS DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON THE WESTBOUND AND CENTER LANES. PERFORM MILLING AND RESURFACING OPERATIONS, AND STRIPING PER ROADWAY APPLICABLE STANDARD ON THE WESTBOUND AND CENTER LANES AS REQUIRED IN THE ROADWAY PLANS. AT THE END OF THE WORK PERIOD, REOPEN TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL COMPLETE.

**PHASE 11:**

STEP 1: USE NCDOT RSD 1101.02 SHEET 2 OF 14 AND ROADWAY PLANS VICINITY MAP, TMP-9 TO CLOSE THE EASTBOUND LANE OF E OAK ISLAND DRIVE BETWEEN THE LIMITS SHOWN IN THE ROADWAY PLAN DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON THE EASTBOUND LANE. PERFORM MILLING AND RESURFACING OPERATIONS, AND STRIPING PER ROADWAY APPLICABLE STANDARD ON THE EASTBOUND LANE AS REQUIRED IN THE ROADWAY PLANS. AT THE END OF THE WORK PERIOD, REOPEN TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL COMPLETE.

**SECTION 3:**

**PHASE 12:**

STEP 1: USE NCDOT RSD 1101.02 SHEET 1 OF 14 AND ROADWAY PLANS VICINITY MAP, TMP-9 TO CLOSE THE WESTBOUND AND CENTER LANES OF E OAK ISLAND DRIVE BETWEEN THE LIMITS SHOWN IN THE ROADWAY PLANS DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON THE WESTBOUND AND CENTER LANES. PERFORM MILLING AND RESURFACING OPERATIONS, AND STRIPING PER ROADWAY APPLICABLE STANDARD ON THE WESTBOUND AND CENTER LANES AS REQUIRED IN THE ROADWAY PLANS. AT THE END OF THE WORK PERIOD, REOPEN TO TRAFFIC.

STEP 2: REPEAT STEP 1 UNTIL COMPLETE.

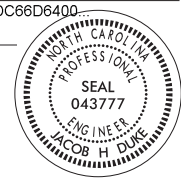

**PHASE 13:**

STEP 1: USE NCDOT RSD 1101.02 SHEET 2 OF 14 AND ROADWAY PLANS VICINITY MAP, TMP-9 TO CLOSE THE EASTBOUND LANE OF E OAK ISLAND DRIVE BETWEEN THE LIMITS SHOWN IN THE ROADWAY PLANS DURING ALLOWABLE LANE CLOSURE TIMES TO PERFORM WORK ON THE EASTBOUND LANE. PERFORM MILLING AND RESURFACING OPERATIONS, AND STRIPING PER ROADWAY APPLICABLE STANDARD ON THE EASTBOUND LANE AS REQUIRED IN THE ROADWAY PLANS. AT THE END OF THE WORK, PERIOD REOPEN TO TRAFFIC.

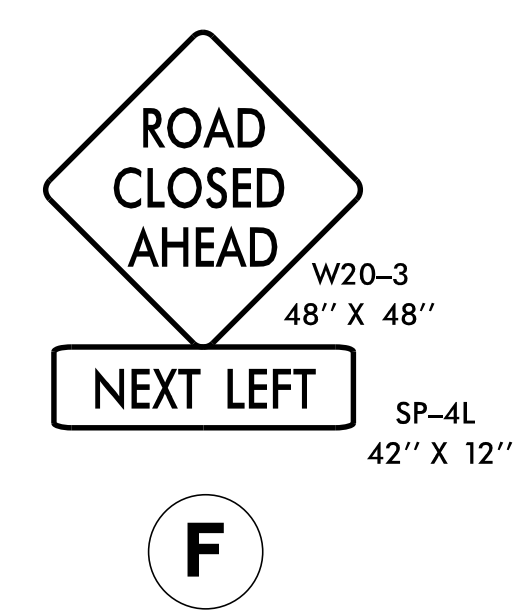
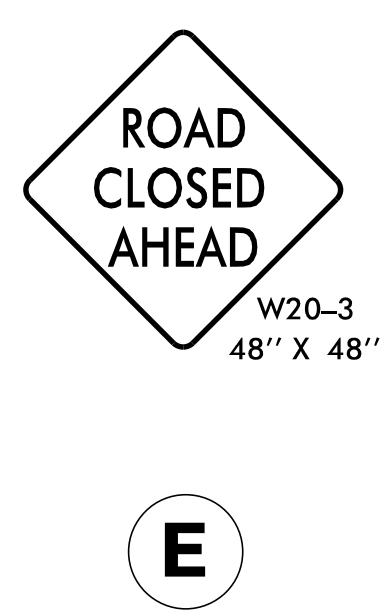
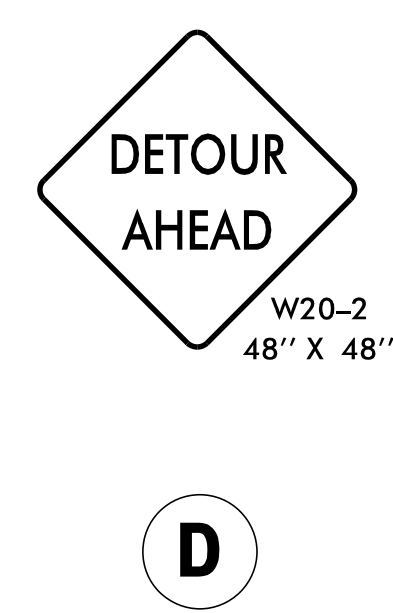
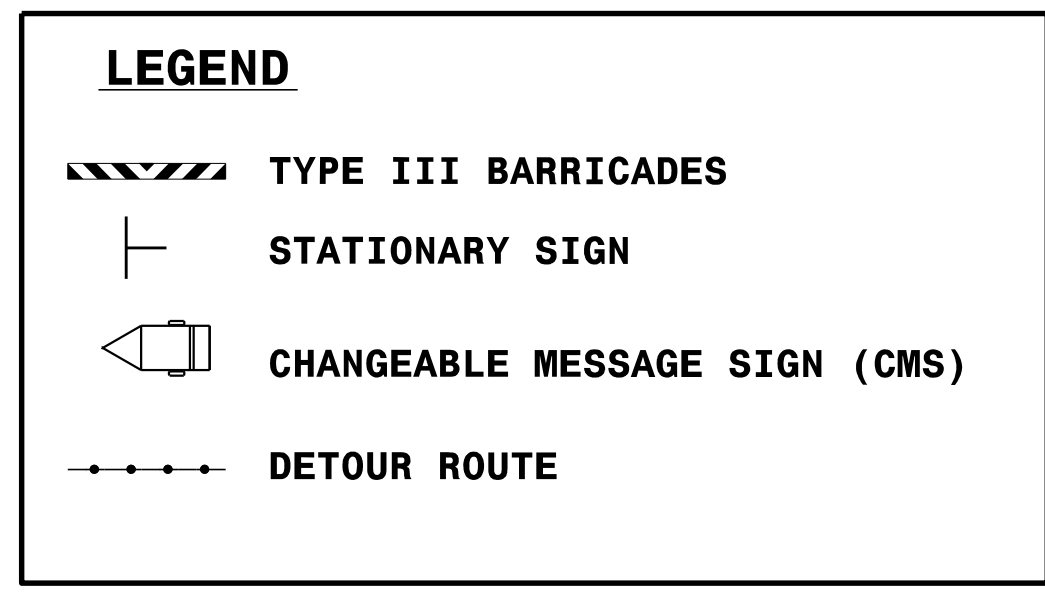
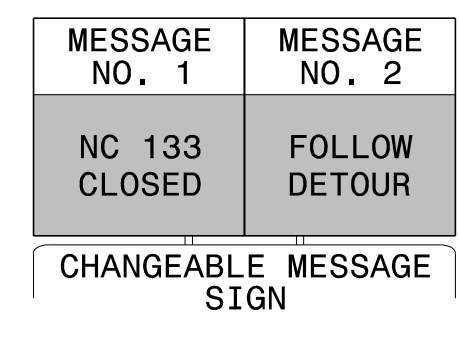
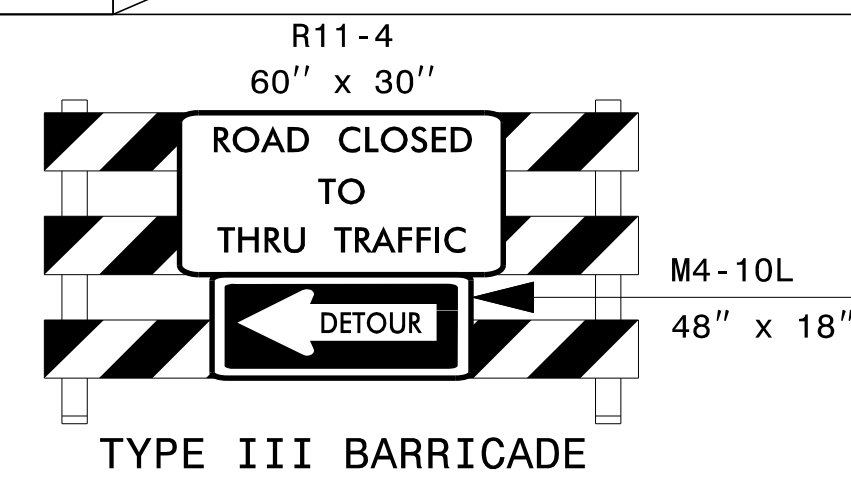
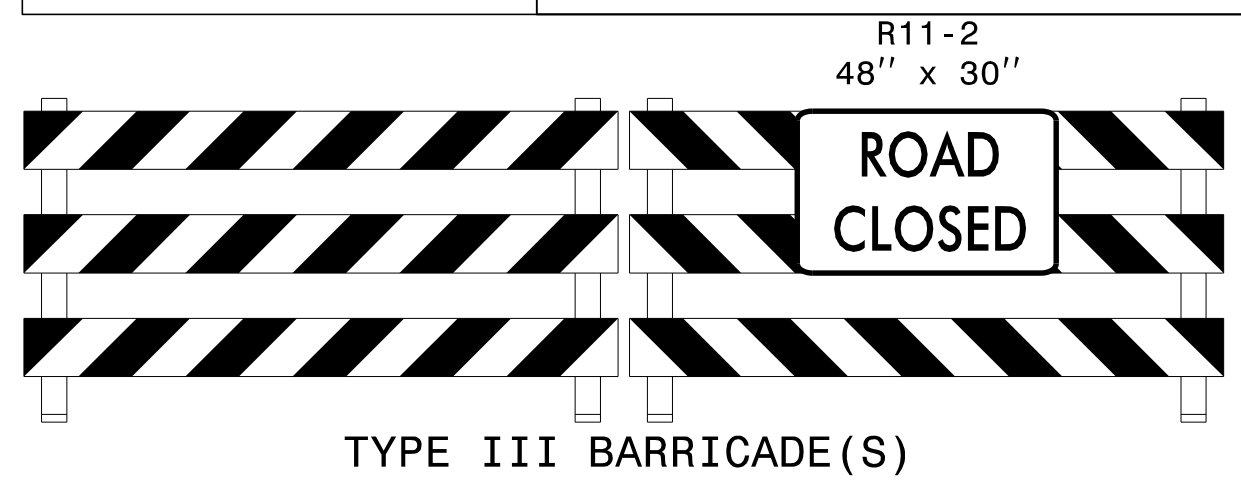
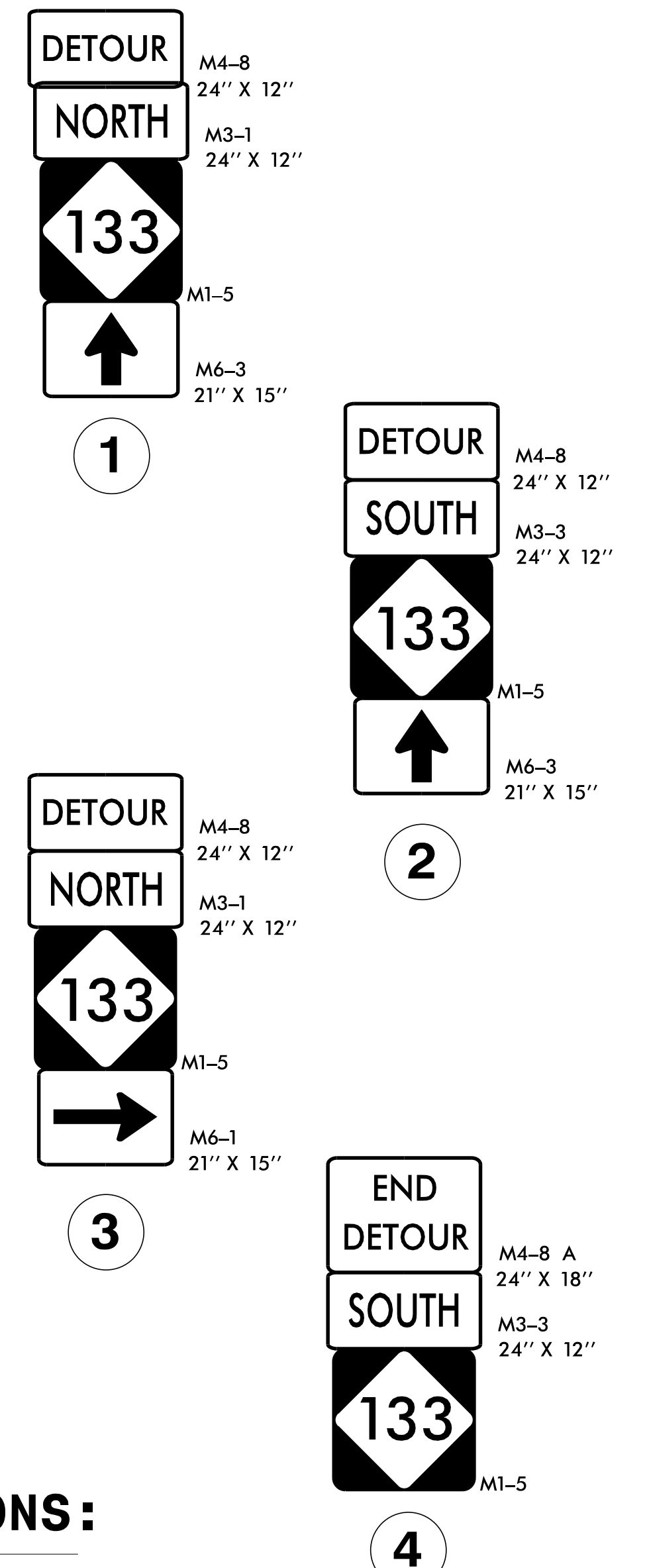
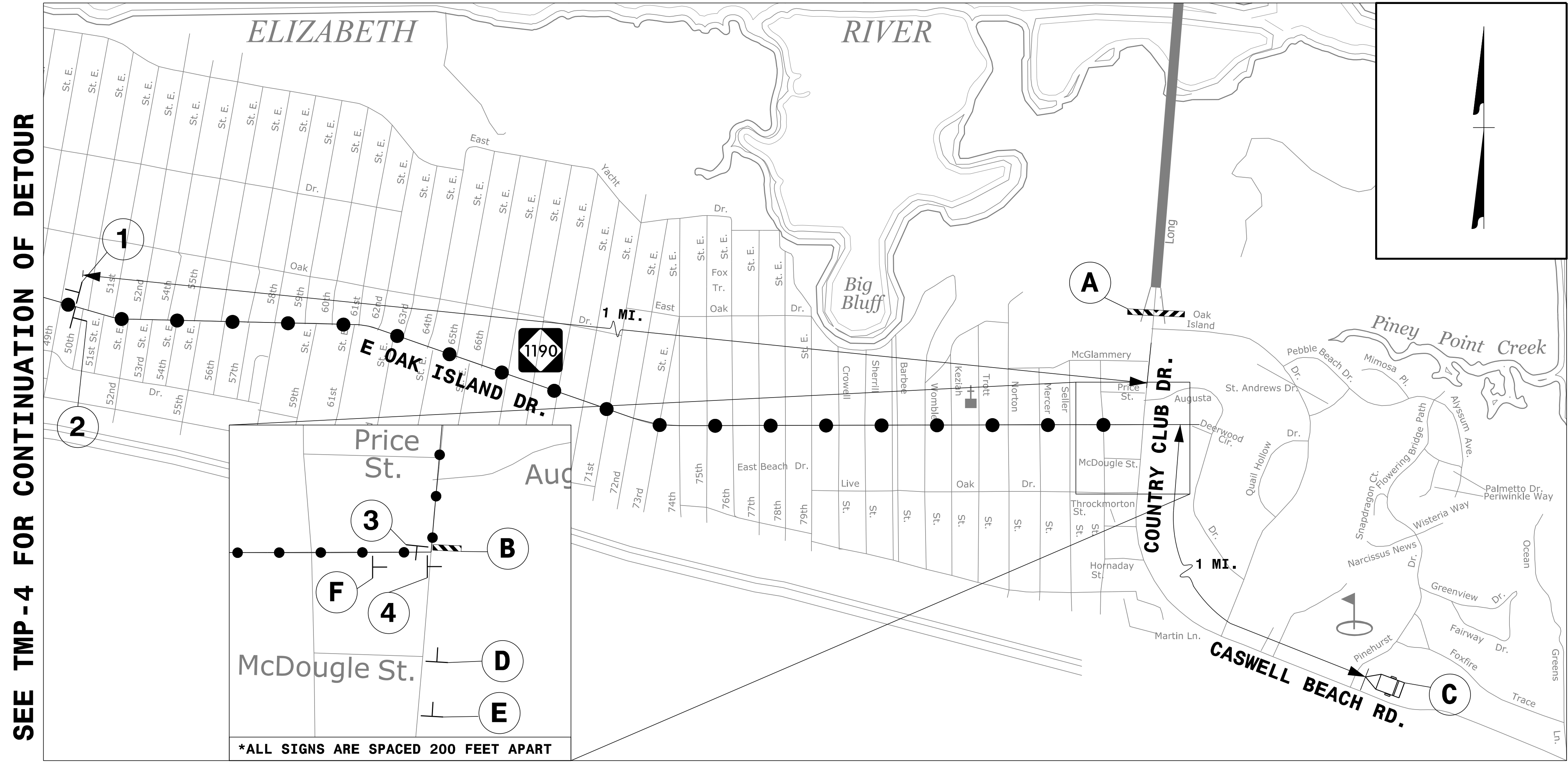
STEP 2: REPEAT STEP 1 UNTIL COMPLETE.

STEP 3: AFTER ALL WORK IS COMPLETE, REMOVE ALL SIGNS AND DEVICES.

5/2/2018 5:42:20 PM G:\4201720\_00\_xx-Br\unswick-4\Traffic\TrafficControl\200\_02L15BPR.25\_TC\_TMP-ID\_PHASING NOTES.dgn User:scullum \$DOCSET\_CURRSETIDOC\$

<p>DocuSigned by: <i>Jacob H. Duke</i></p> <p>APPROVED: 9CD53ADC66D6400</p> <p>DATE: 5/2/2018</p> <p style="text-align: center;">SEAL</p>			<p>PHASING NOTES (2 OF 2)</p>
<p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>			





**DETOUR DESCRIPTIONS:**

**NORTH ROUTE:**  
FROM OLD OAK ISLAND BRIDGE ON COUNTRY CLUB DR. TO E OAK ISLAND DR. TO NC 906/ E F MIDDLETON BLVD, TO NC 211/SOUTHPORT-SUPPLY RD SE TO NC 133/LONG BEACH RD SE

**SOUTH ROUTE:**  
FROM OLD OAK ISLAND BRIDGE ON NC 133/LONG BEACH RD SE TO NC 211/SOUTHPORT-SUPPLY RD SE TO NC 906/ E F MIDDLETON BLVD. TO E OAK ISLAND DR. TO COUNTRY CLUB DR.

**NOTES:**

TRAFFIC CONTROL DEVICES **A** THRU **F** AND **1** THRU **4** SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

APPROVED: *Jacob H. Duke*  
DATE: 4/12/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

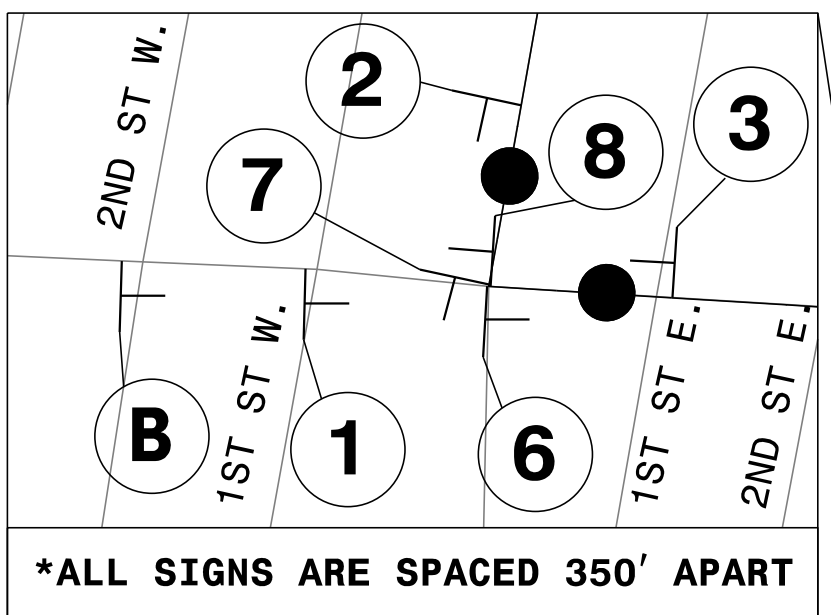
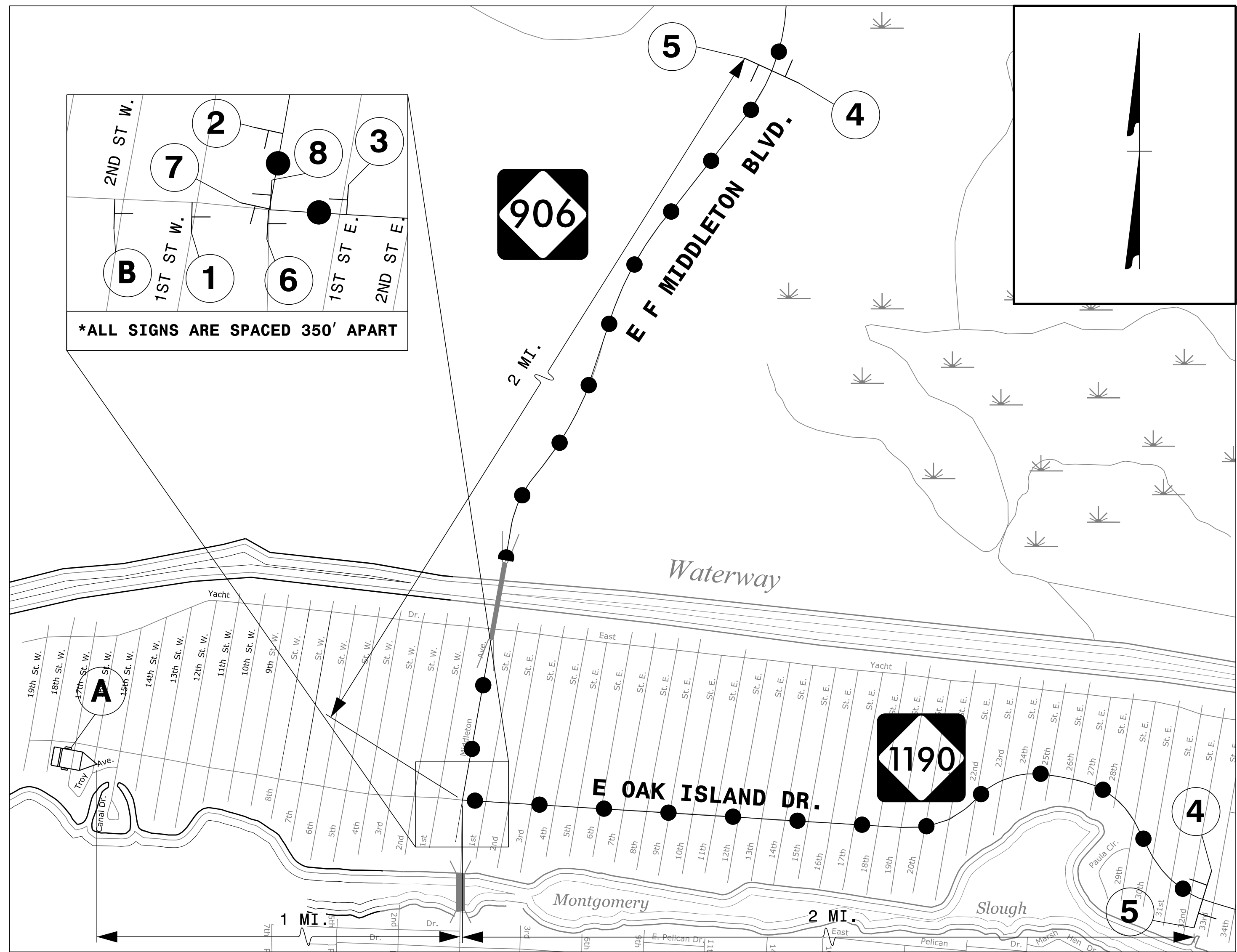
DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
WORK ZONE TRAFFIC CONTROL

OFFSITE DETOUR SHEET 1

4/12/2018 G:\2017\2018\Brunswick-4\TrafficControl\CP\200\_030\_030\_15BPR.25.TC.TMP-3.OFFSITE DETOUR SHEET 1.dgn User:jdake



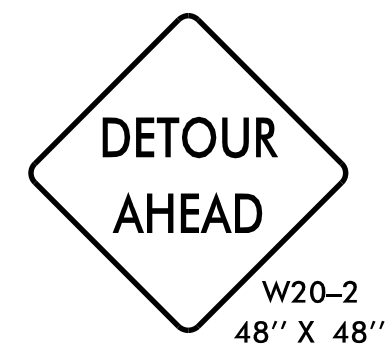
**SEE TMP-5 FOR CONTINUATION OF DETOUR**



**SEE TMP-3 FOR CONTINUATION OF DETOUR**

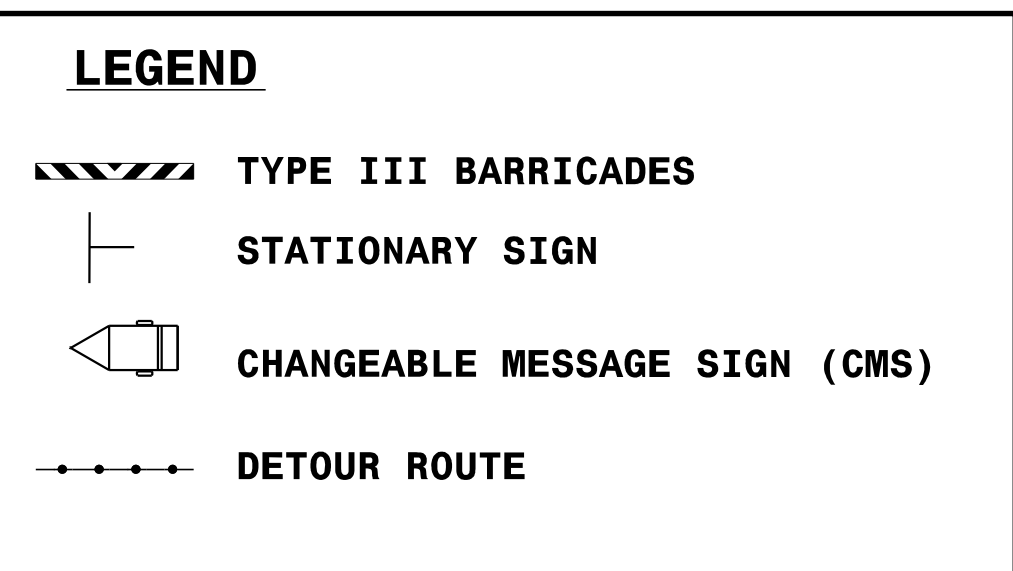
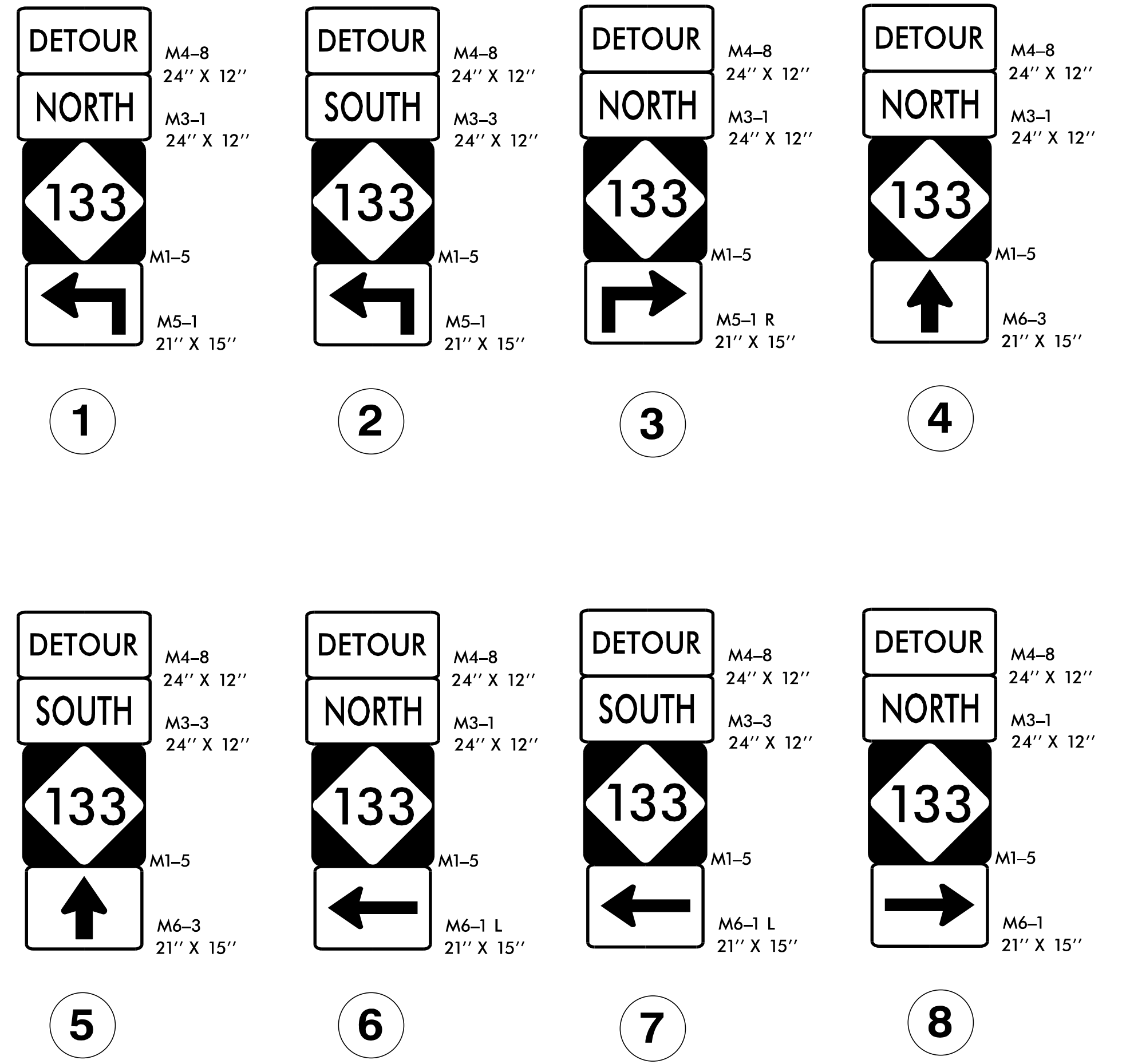
MESSAGE NO. 1	MESSAGE NO. 2
NC 133 CLOSED	FOLLOW DETOUR

CHANGEABLE MESSAGE SIGN



**A**

**B**



**DETOUR DESCRIPTIONS:**

**NORTH ROUTE:**  
FROM OLD OAK ISLAND BRIDGE ON COUNTRY CLUB DR. TO E OAK ISLAND DR. TO NC 906/ E F MIDDLETON BLVD., TO NC 211/SOUTHPORT-SUPPLY RD SE TO NC 133/LONG BEACH RD SE

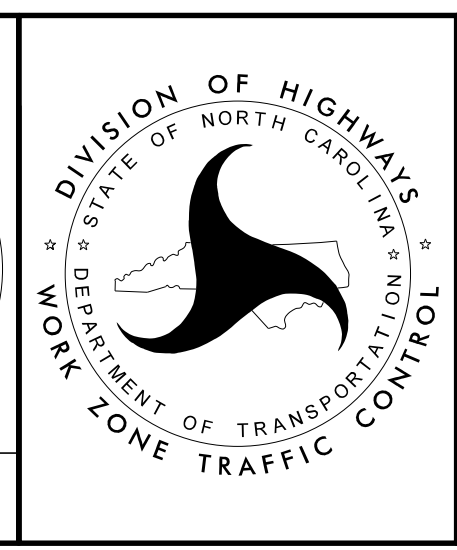
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FROM OLD OAK ISLAND BRIDGE ON NC 133/LONG BEACH RD SE TO NC 211/SOUTHPORT-SUPPLY RD SE TO NC 906/ E F MIDDLETON BLVD. TO E OAK ISLAND DR. TO COUNTRY CLUB DR.

**NOTES:**

TRAFFIC CONTROL DEVICES **A** THRU **B** AND **1** THRU **8** SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

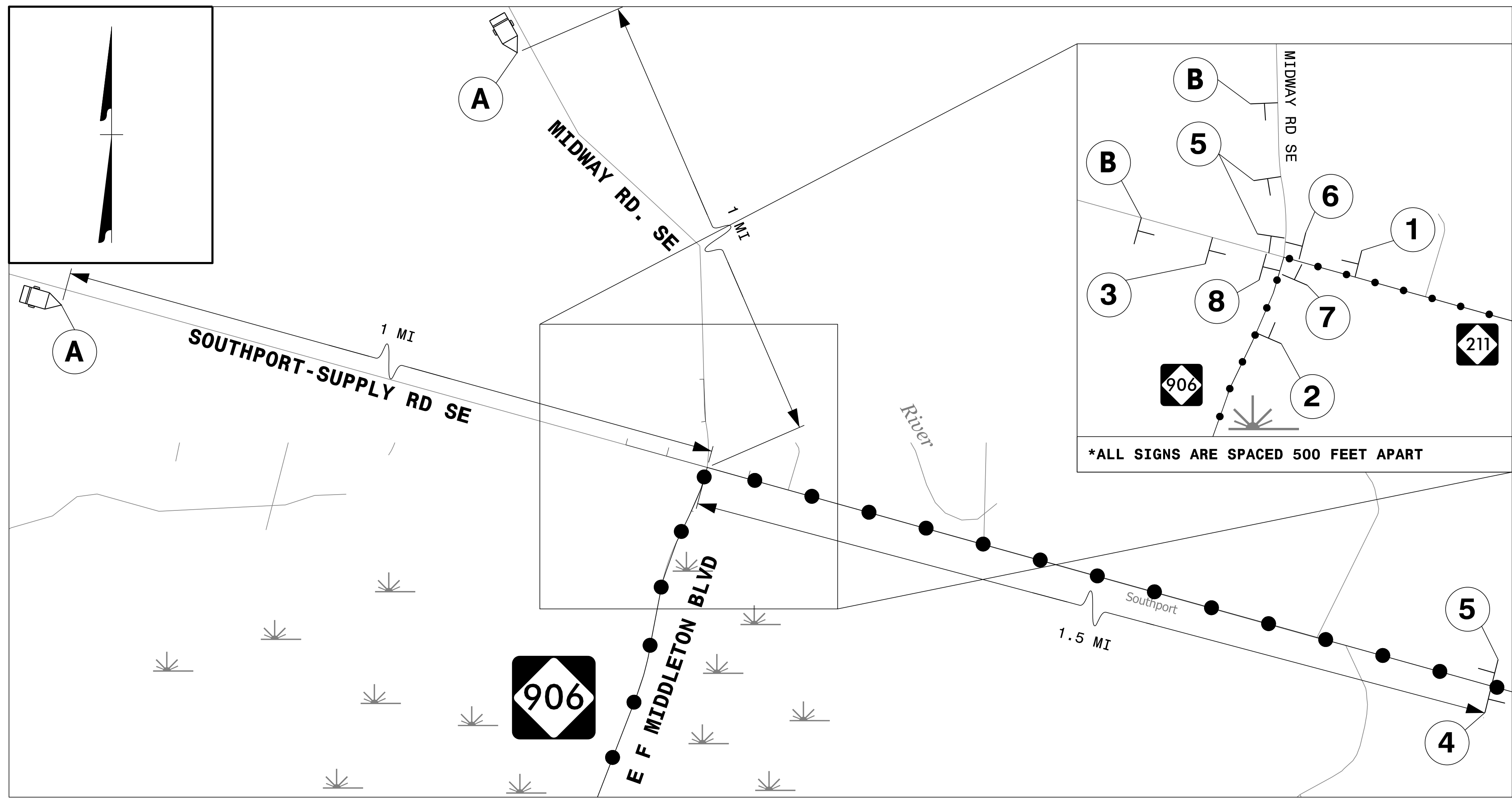
APPROVED: DATE: 4/12/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



OFFSITE DETOUR SHEET 2

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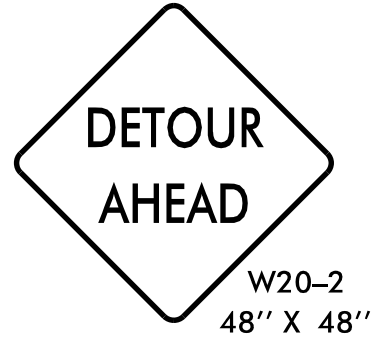


SEE TMP-6 FOR CONTINUATION OF DETOUR

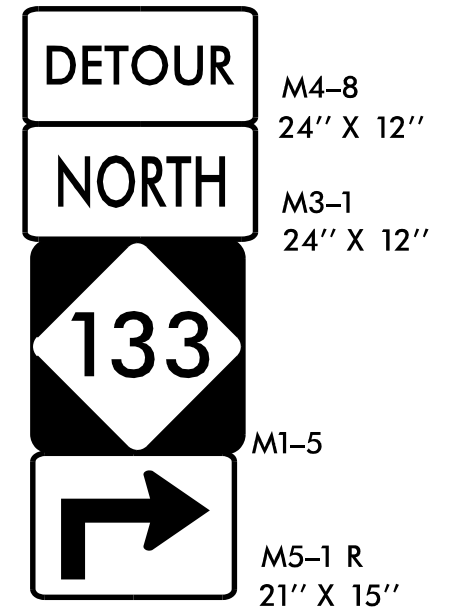
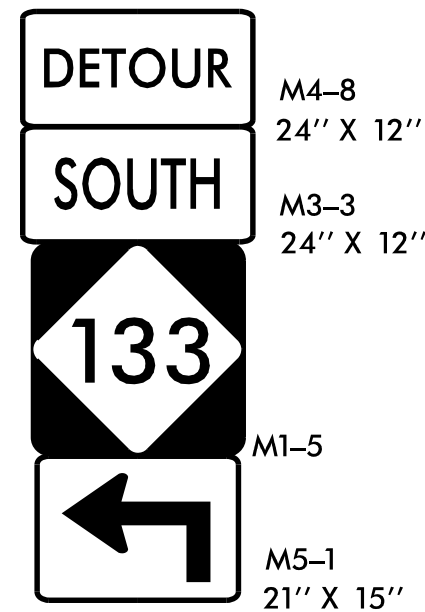
SEE TMP-4 FOR CONTINUATION OF DETOUR

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NC 133 CLOSED	FOLLOW DETOUR

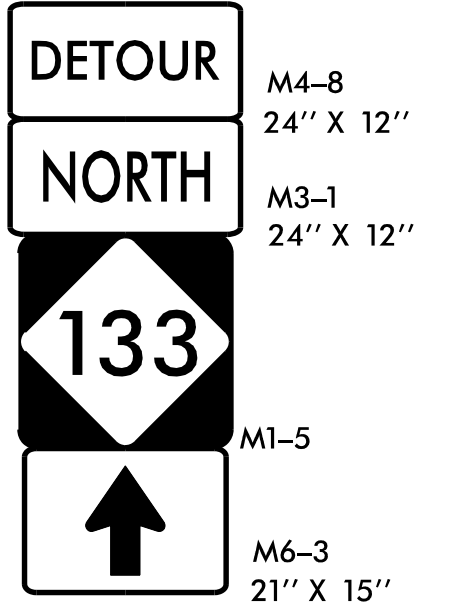
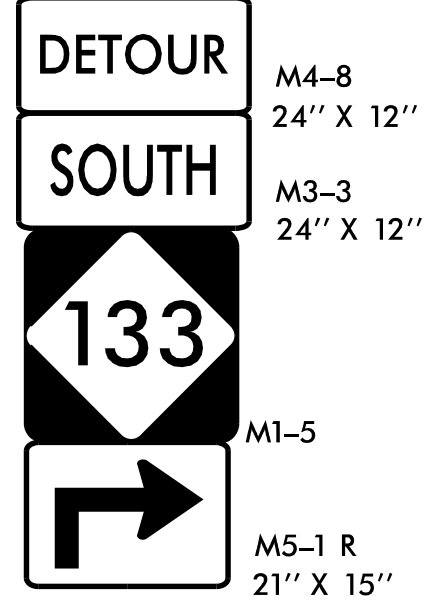
CHANGEABLE MESSAGE SIGN



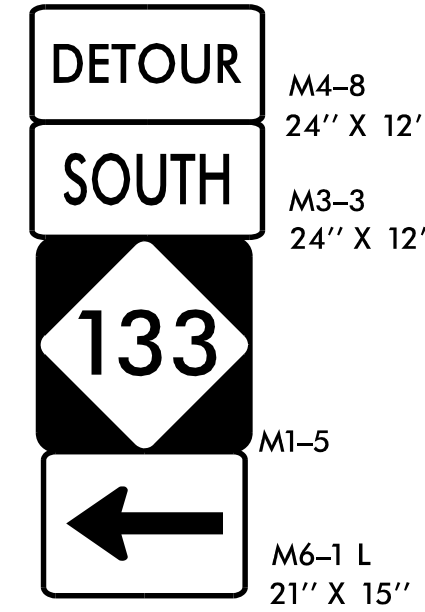
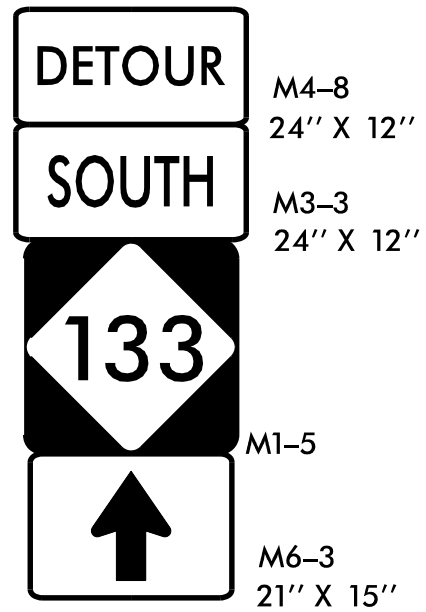
**A** **B**



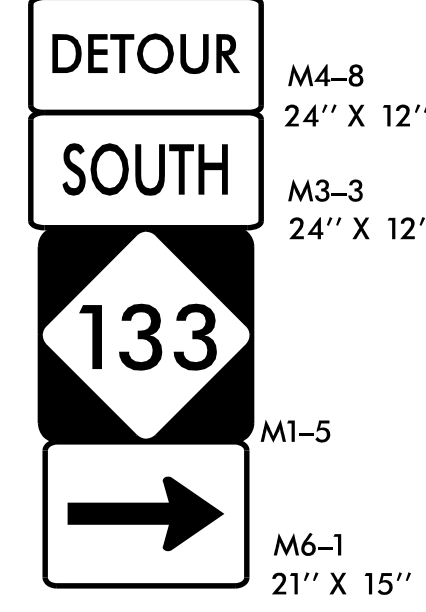
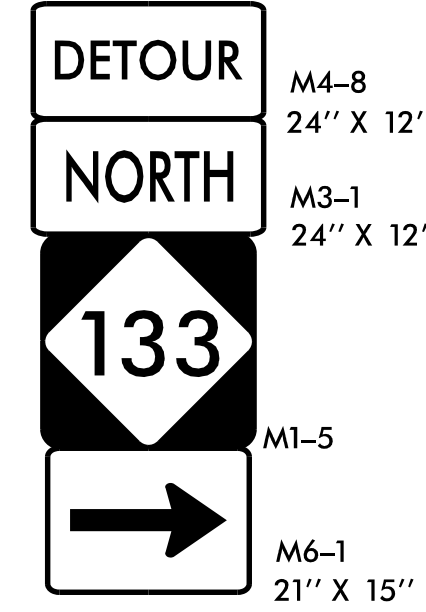
**1** **2**



**3** **4**



**5** **6**



**7** **8**

**LEGEND**

	TYPE III BARRICADES
	STATIONARY SIGN
	CHANGEABLE MESSAGE SIGN (CMS)
	DETOUR ROUTE

**DETOUR DESCRIPTIONS:**

**NORTH ROUTE:**  
FROM OLD OAK ISLAND BRIDGE ON COUNTRY CLUB DR. TO E OAK ISLAND DR. TO NC 906/ E F MIDDLETON BLVD, TO NC 211/SOUTHPORT-SUPPLY RD SE TO NC 133/LONG BEACH RD SE

**SOUTH ROUTE:**  
FROM OLD OAK ISLAND BRIDGE ON NC 133/LONG BEACH RD SE TO NC 211/SOUTHPORT-SUPPLY RD SE TO NC 906/ E F MIDDLETON BLVD. TO E OAK ISLAND DR. TO COUNTRY CLUB DR.

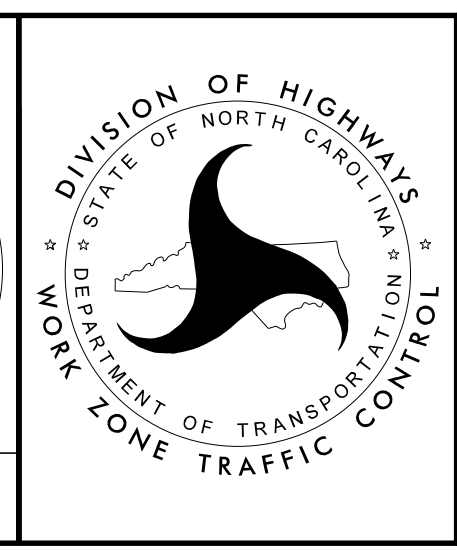
**NOTES:**

TRAFFIC CONTROL DEVICES **A** THRU **B** AND **1** THRU **8** SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

APPROVED: *Jacob H. Duke*  
DATE: 4/12/2018

DocuSigned by:  
Jacob H. Duke  
9c9c2a2c66d6400

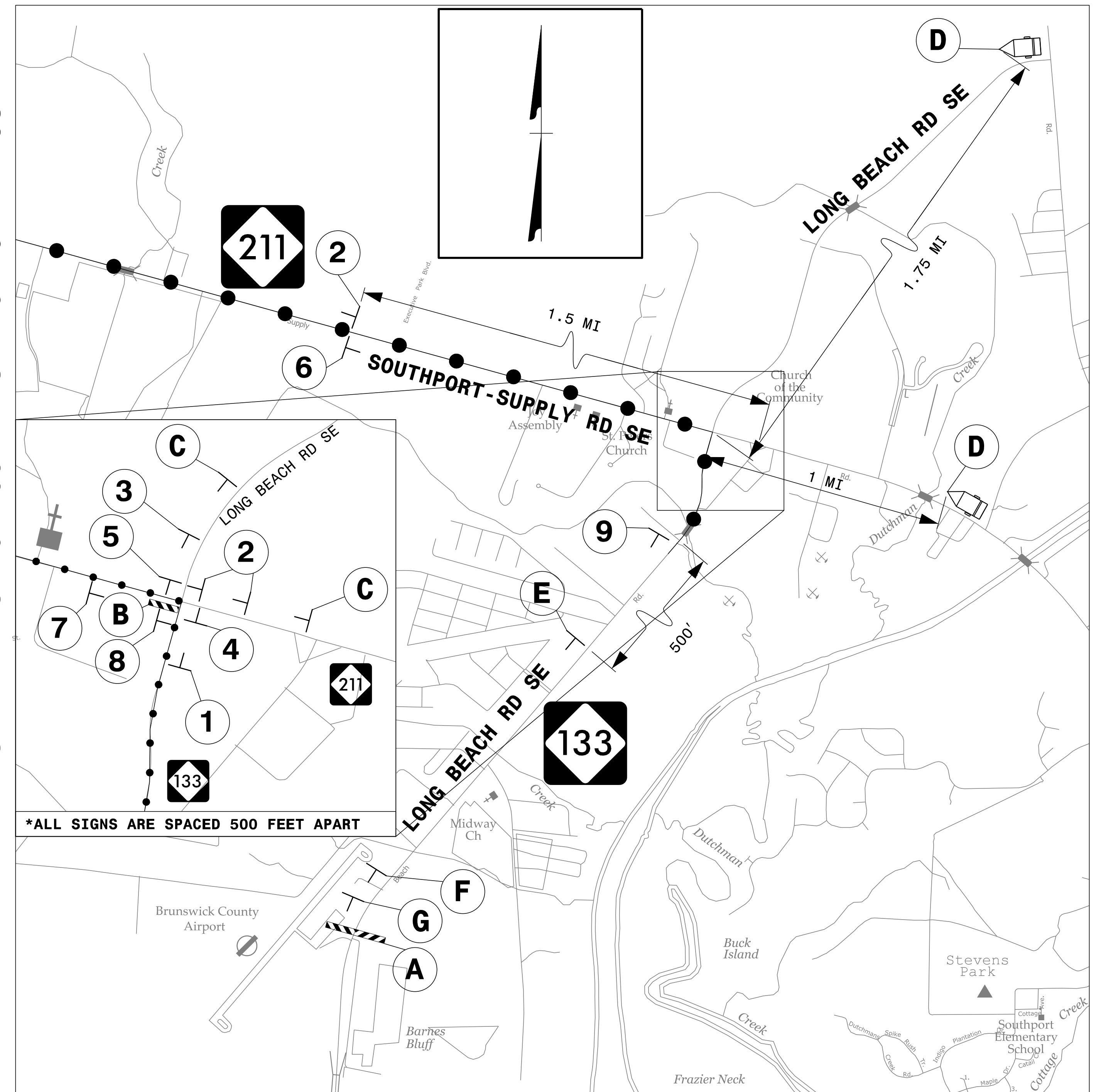
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OFFSITE DETOUR SHEET 3

4/12/2018 G:\2017\2018\00-xx-Brunswick-14\TrafficControl\200\_040\_15BPR.25.TC.TMP-5\_OFFSITE DETOUR SHEET 3.dgn User: jduke

SEE TMP-5 FOR CONTINUATION OF DETOUR



\*ALL SIGNS ARE SPACED 500 FEET APART

**LEGEND**

- TYPE III BARRICADES
- STATIONARY SIGN
- CHANGEABLE MESSAGE SIGN (CMS)
- DETOUR ROUTE

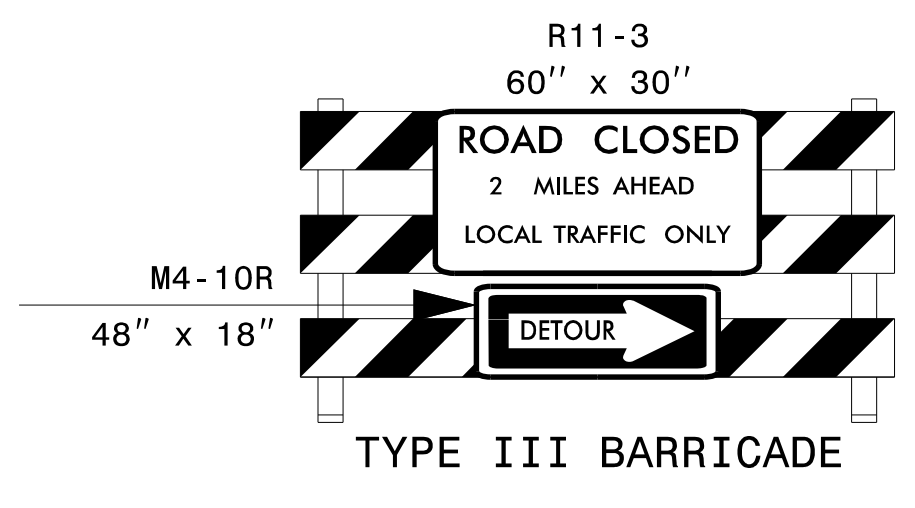
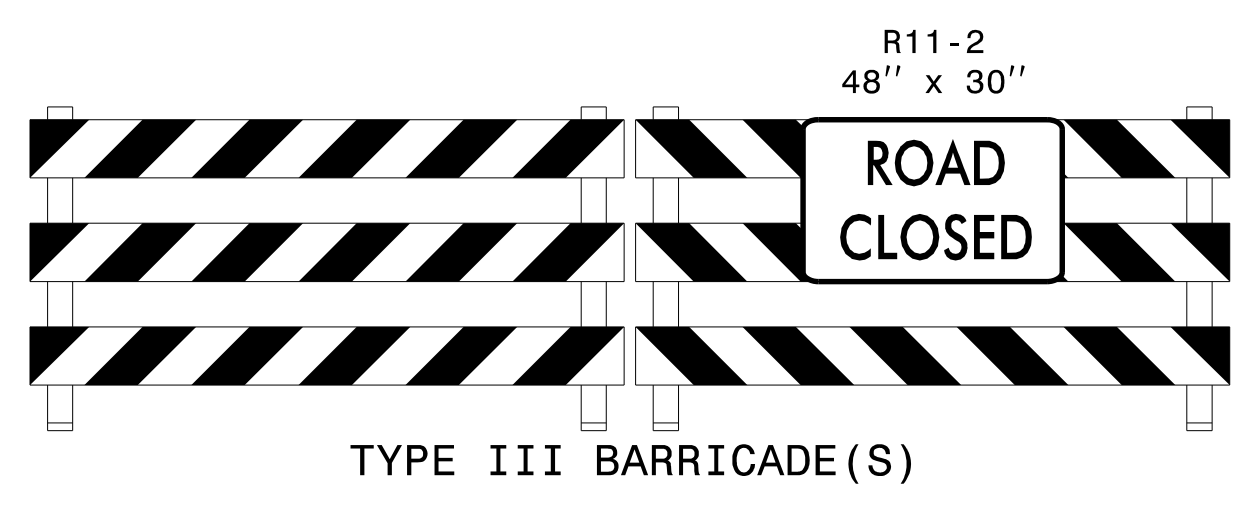
**DETOUR DESCRIPTIONS:**

**NORTH ROUTE:**  
FROM OLD OAK ISLAND BRIDGE ON COUNTRY CLUB DR. TO E OAK ISLAND DR. TO NC 906/ E F MIDDLETON BLVD, TO NC 211/SOUTHPORT-SUPPLY RD SE TO NC 133/LONG BEACH RD SE

**SOUTH ROUTE:**  
FROM OLD OAK ISLAND BRIDGE ON NC 133/LONG BEACH RD SE TO NC 211/SOUTHPORT-SUPPLY RD SE TO NC 906/ E F MIDDLETON BLVD. TO E OAK ISLAND DR. TO COUNTRY CLUB DR.

**NOTES:**

TRAFFIC CONTROL DEVICES **A** THRU **G** AND **1** THRU **9** SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

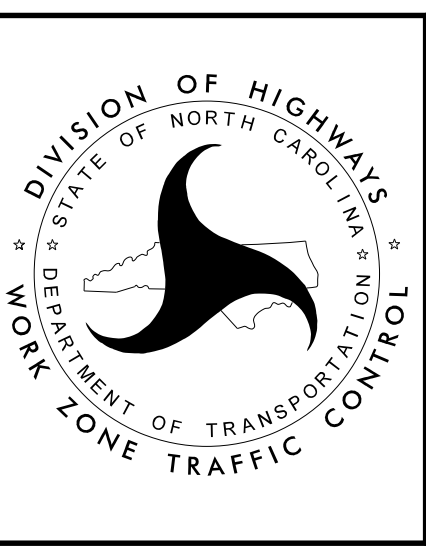


<b>A</b>		<b>B</b>	
	MESSAGE NO. 1 NC 133 CLOSED	MESSAGE NO. 2 FOLLOW DETOUR	
CHANGEABLE MESSAGE SIGN			
<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
<b>G</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>8</b>	<b>9</b>		

APPROVED: *Jacob H. Duke*  
DATE: 4/12/2018

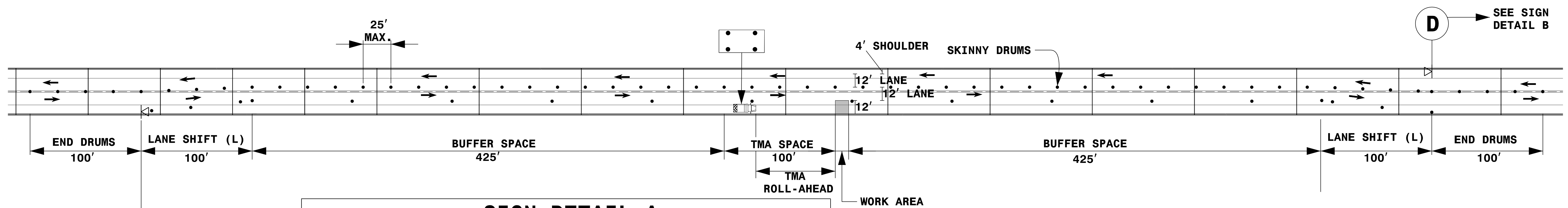
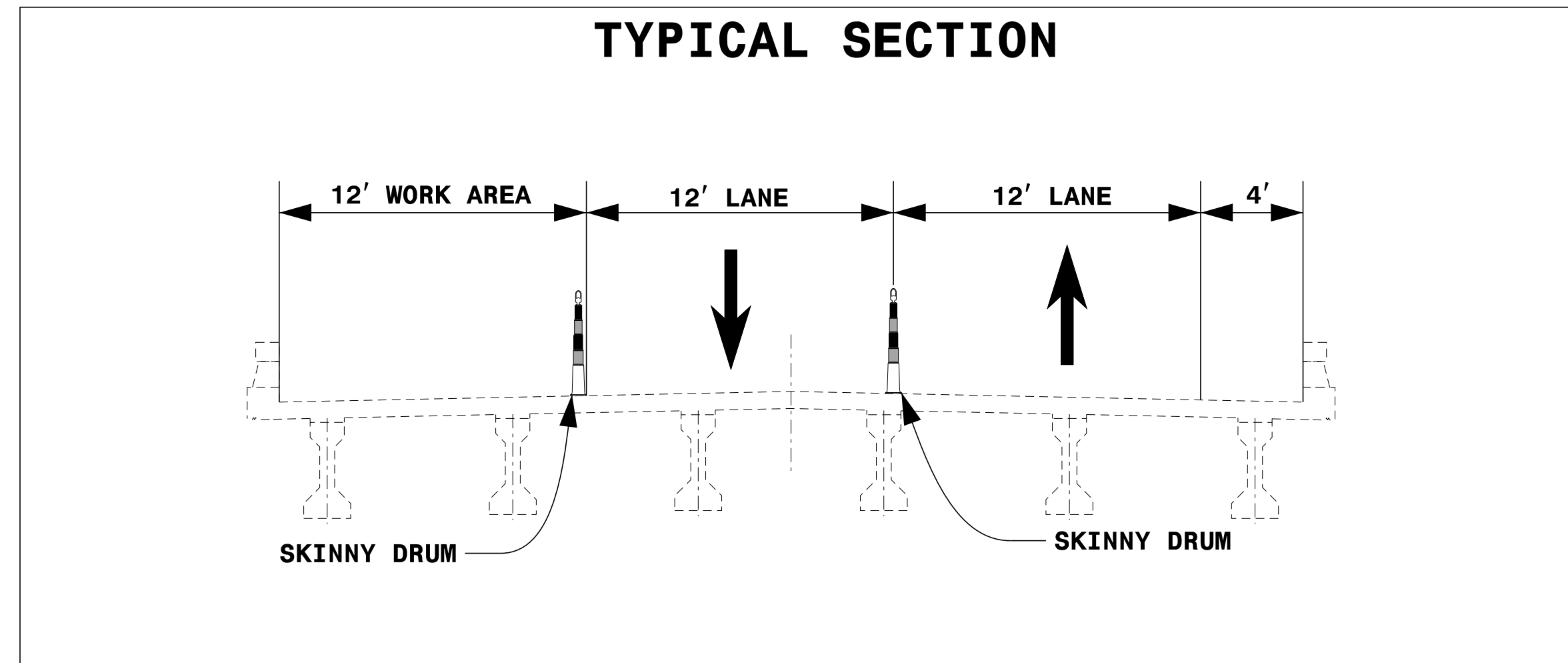
DESIGNED BY: *Jacob H. Duke*  
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



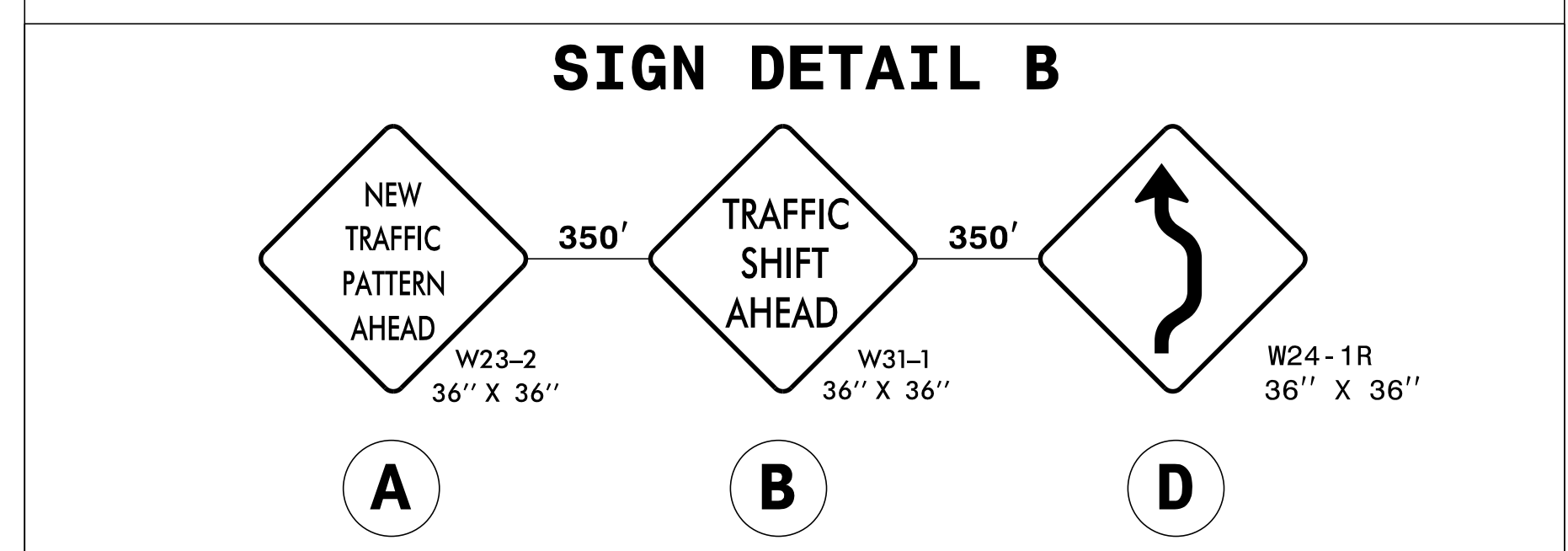
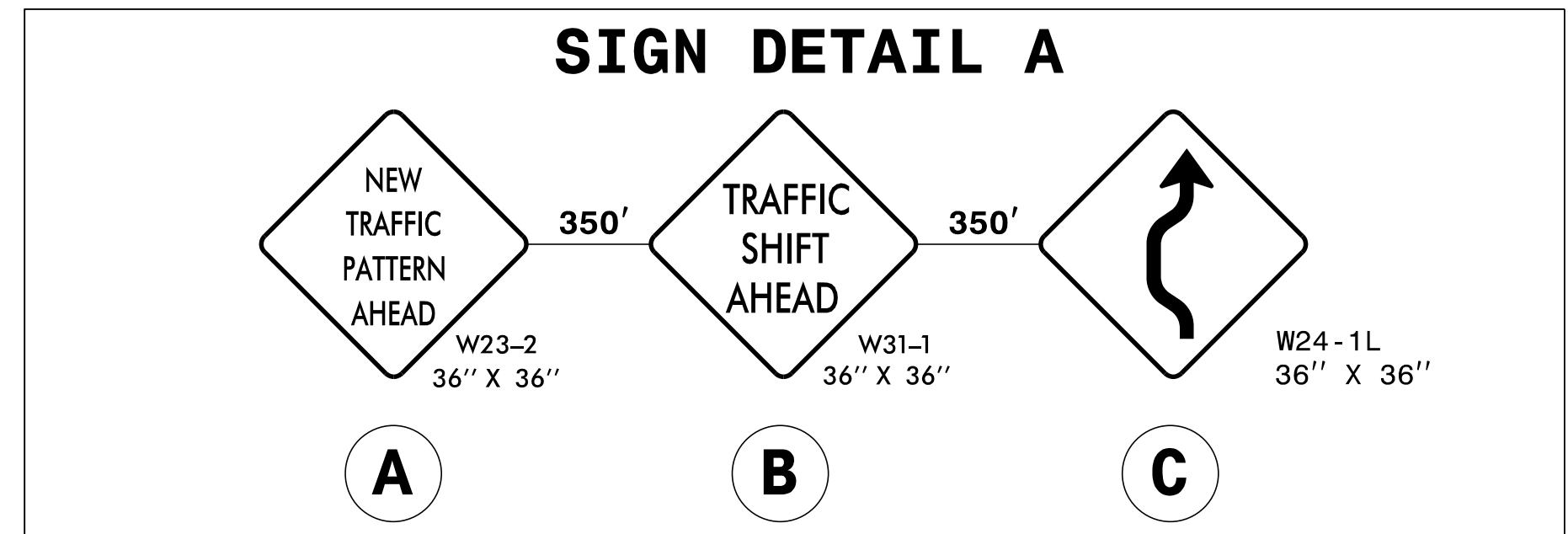
OFFSITE DETOUR SHEET 4

4/12/2018 G:\2017\2018\Brunswick\4\TrafficControl\TCP\200\_045\_15BPR.25\_TC\_TMP-6\_OFFSITE\_DETOUR\_SHEET\_4.dgn User: jduke



SEE SIGN  
DETAIL A

**C**



**FLOW OF TRAFFIC**

#### LEGEND

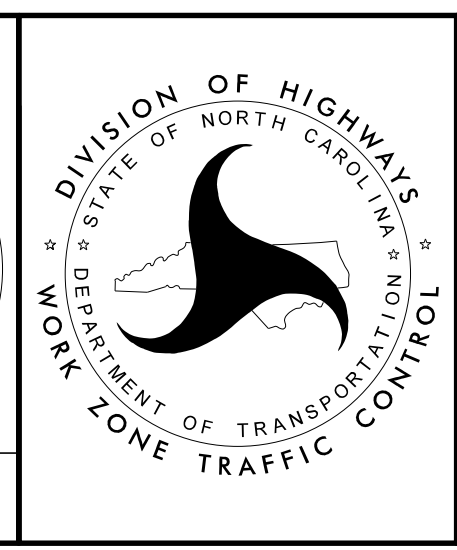
- PORTABLE SIGN
- FLASHING ARROW BOARD (TYPE C) (96" X 48" MIN.) "CAUTION MODE"
- TRUCK MOUNTED ATTENUATOR (TMA)
- WORK AREA
- DIRECTION OF TRAFFIC FLOW
- SKINNY DRUM

**NOTES:**

1. TRAFFIC CONTROL DEVICES **A** THRU **D** SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

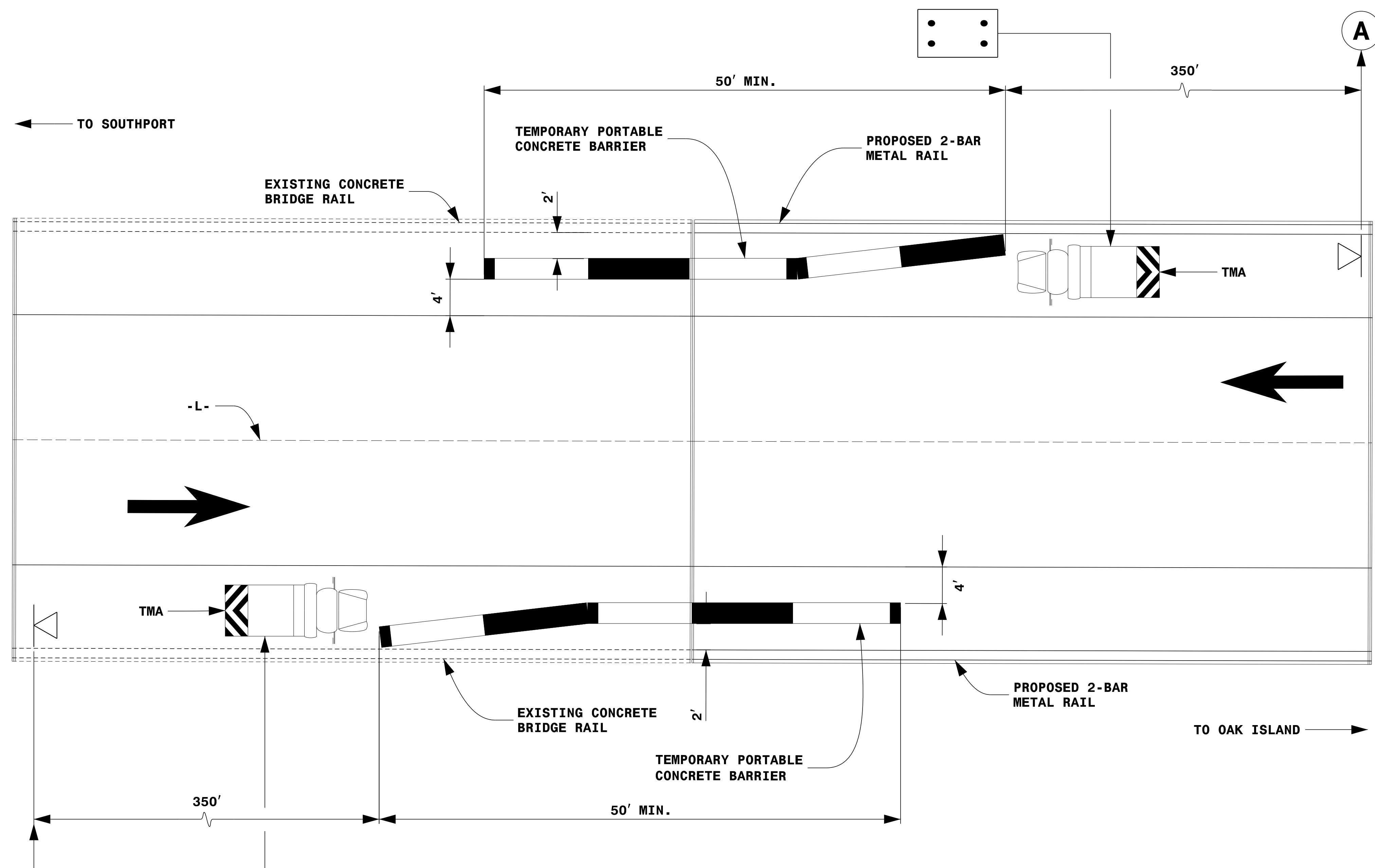
APPROVED: Jacob H. Duke  
DATE: 4/12/2018

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



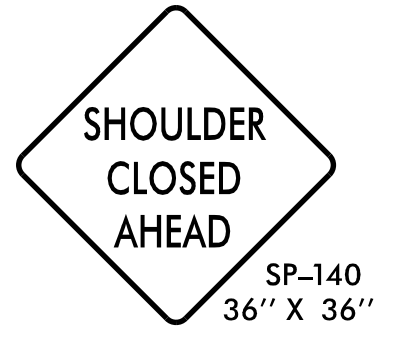
TYPICAL  
LANE SHIFT  
DETAIL

4/12/2018 G:\2017\20.xx-Brunswick-14\TrafficControl\CP\200.050.15BPR.25.TC.TMP-7.LANE.SHIFT.DETAIL.dgn User: jduke


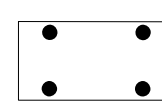
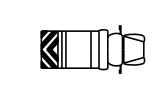




**PLAN**

(INTERSECTION OF GIRDER SPANS SHOWN, TEMPORARY POINTS OF WORK TERMINATION IN SPANS 29-64 SIMILAR)

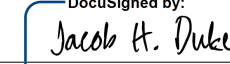


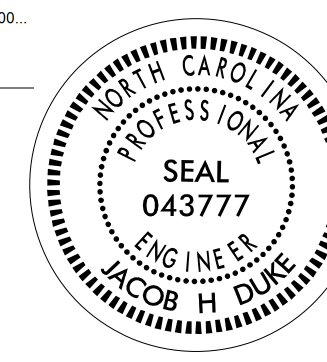
**A**

LEGEND	
	PORTABLE SIGN
	FLASHING ARROW BOARD (TYPE C) (96" X 48" MIN.) "CAUTION MODE"
	TRUCK MOUNTED ATTENUATOR (TMA)
	DIRECTION OF TRAFFIC FLOW
	PORTABLE CONCRETE BARRIER

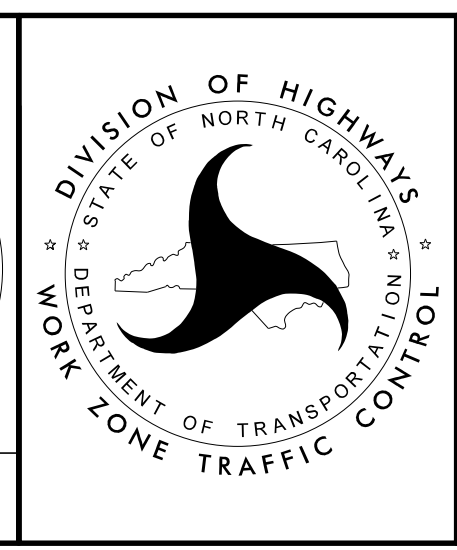
**NOTES:**

1. PLACE PORTABLE CONCRETE BARRIER ASSEMBLY IN FRONT OF BREAKS BETWEEN EXISTING AND PROPOSED BRIDGE RAIL WHILE BRIDGE IS OPEN TO TRAFFIC AND NO WORK IS BEING PERFORMED.
2. DO NOT ANCHOR PORTABLE CONCRETE BARRIER INTO BRIDGE DECK. DROP-OFF PROTECTION IS PROVIDED BY EXISTING AND PROPOSED TRAFFIC RAILING.
3. RESET PORTABLE CONCRETE BARRIER AS NEEDED TO PROTECT BREAKS BETWEEN EXISTING AND PROPOSED BRIDGE RAILING WHILE BRIDGE IS OPEN TO TRAFFIC AND NO WORK IS BEING PERFORMED.
4. TRAFFIC CONTROL DEVICE **A** SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.

APPROVED:   
 DATE: 4/12/2018



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



TYPICAL RAIL REPLACEMENT PROTECTION DETAIL

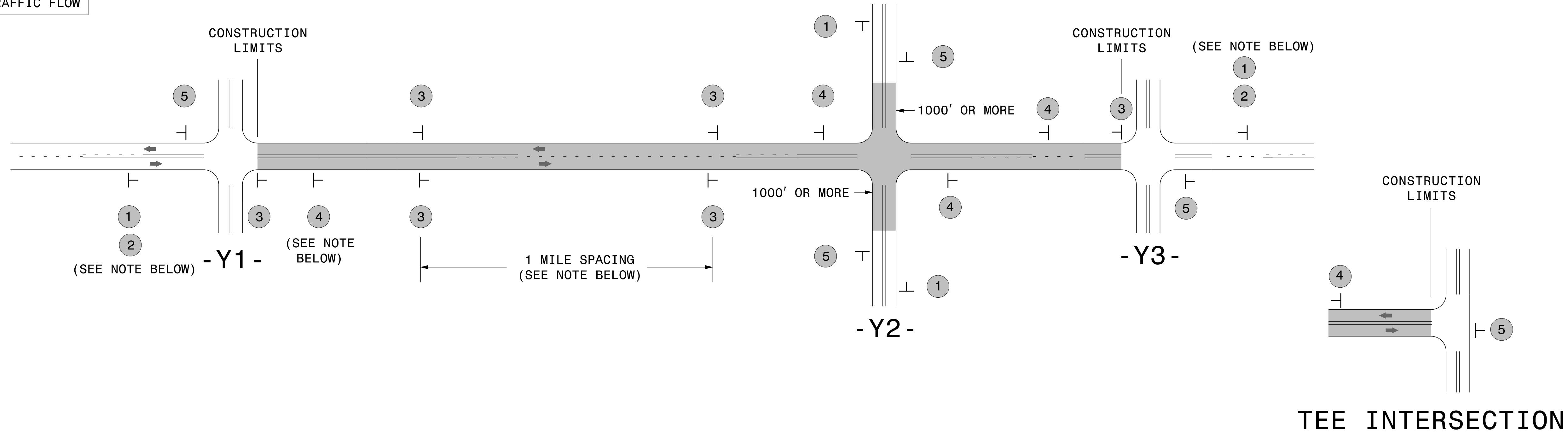
4/12/2018  
 G:\2017\2018\00-xx-Brunswick-14\TrafficControl\TCP\200-055-15BPR.25-TC-TMP-8-BRIDGE BARRIER PROTECTION DETAIL.dgn  
 User: jduke

# SIGNING FOR RESURFACING PROJECTS

**LEGEND**

┃ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

## -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">               W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER.         </div> <div style="text-align: center;">               W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER.         </div> </div>
	2		#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3		<ul style="list-style-type: none"> <li>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</li> <li>- AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</li> </ul>	
	4		<ul style="list-style-type: none"> <li>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.</li> <li>- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</li> <li>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</li> <li>- FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH.</li> <li>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</li> <li>- FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</li> </ul>	
	5		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

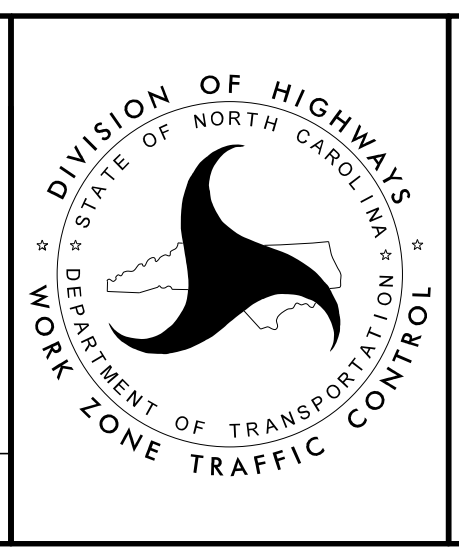
### MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.

APPROVED:   
DATE: 4/12/2018

SEAL: 043777  
ENGINEER: JACOB H. DUKE

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



**ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING**

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