

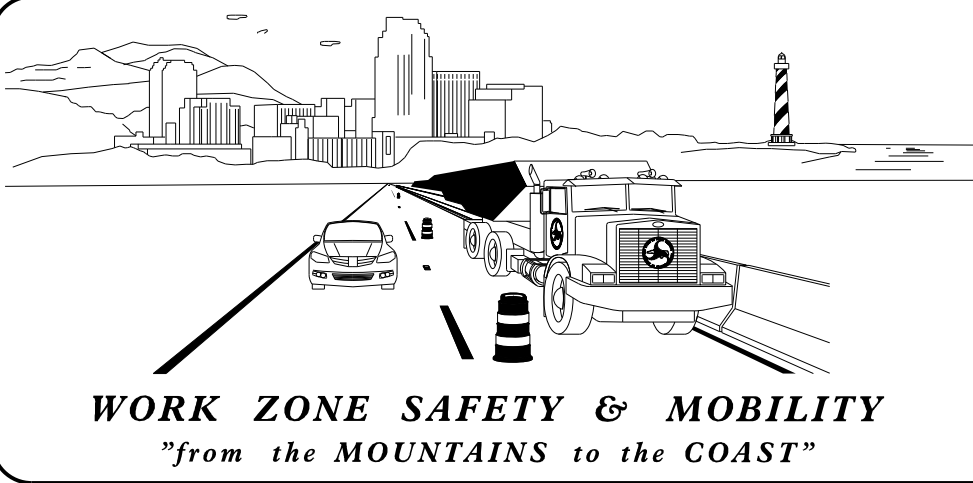
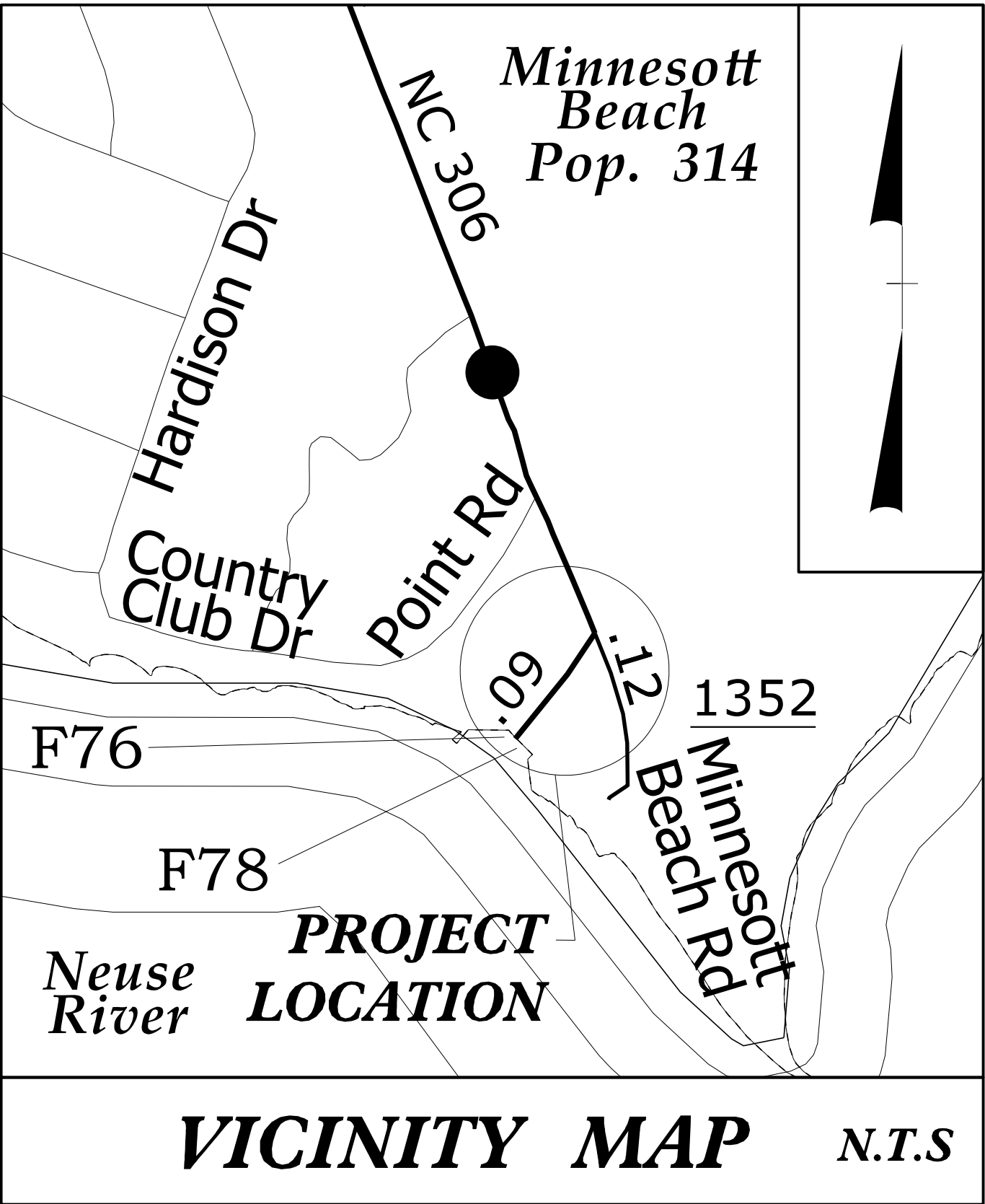
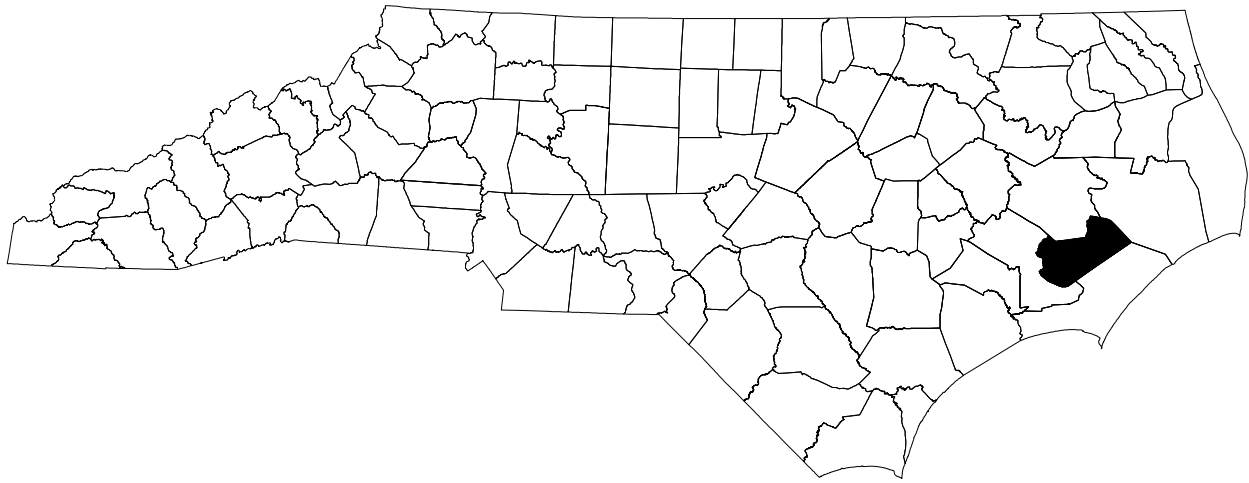
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

PAMLICO COUNTY

LOCATION: REPLACE STRUCTURE 680078 (FERRY RAMP) OVER THE  
NEUSE RIVER ON NC 306 AT THE MINNESOTT BEACH  
FERRY TERMINAL

TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURES



PLANS PREPARED BY:  
SEAN KORTOVICH, P.E.  
PROJECT ENGINEER  
NIKI AVGERINOS, P.E.  
PROJECT DESIGN ENGINEER

NCDOT CONTACTS:  
ALEX FOSTER  
PROJECT MANAGER

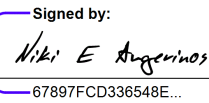
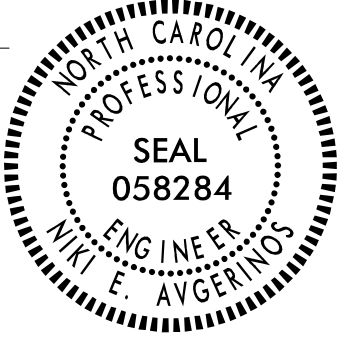


INDEX OF SHEETS

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	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, AND GENERAL NOTES)
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
TMP-5	TEMPORARY TRAFFIC CONTROL PHASE II DETAIL

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**RS&H**  
NC FIRM LICENSE No: F-0493  
8521 SIX FORKS ROAD, SUITE 400  
RALEIGH, NC 27615

APPROVED:   
DATE: 10/30/2025  
SEAL  


SHEET NO.  
TMP-1

BR-0173

TIP PROJECT:

10/27/2025  
pw://ncdot-pw.bentley.com/ncdot-pw-0/Documents/Division\_02/BR-0173/Work Zone Traffic Control/Minnesota Ferry\_IA  
User:HarrisA

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
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUMS
1145.01	BARRICADES
1150.01	FLAGGERS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1266.01	RAISED PAVEMENT MARKERS - TUBULAR MARKERS

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMP. SHORING (LOCATION PURPOSES ONLY)

- WORK AREA
- STAGING AREA
- REMOVAL
- TEMPORARY ABC

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
- PORTABLE CONCRETE BARRIER

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

- P2 WHITE SOLID LANE LINE (PAINT, 4")
- P61 WHITE STOPBAR (PAINT, 24")
- P71 RIGHT TURN ARROW (PAINT, 90 MIL)
- P72 STRAIGHT ARROW (PAINT, 90 MIL)
- P100 ALPHANUMERIC CHAR. (PAINT, 90 MIL)

APPROVED: 67897FC0339548E...

DATE: 10/28/2025

SEAL

NORTH CAROLINA  
PROFESSIONAL  
SEAL  
058284  
ENGINEER  
MARK E. AVERINOS

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

ROADWAY STANDARD  
DRAWINGS & LEGEND

8521 SIX FORKS ROAD, SUITE 400  
RALEIGH, NC 27615  
NC FIRM LICENSE No: F-0493

RS&H



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 UNDESIRE

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  
MINNESOTT FERRY LOADING LANES

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 5:00AM DECEMBER 31st TO 11:00PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 11:00PM THE FOLLOWING TUESDAY.
3.

FOR EASTER, BETWEEN THE HOURS OF 5:00AM THURSDAY AND 11:00PM MONDAY.
4.

FOR MEMORIAL DAY, BETWEEN THE HOURS OF 5:00AM FRIDAY TO 11:00PM TUESDAY.
5.

FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 5:00AM THE DAY BEFORE INDEPENDENCE DAY AND 11:00PM THE DAY AFTER INDEPENDENCE DAY.
- IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 5:00AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 11:00PM THE TUESDAY AFTER INDEPENDENCE DAY.
6.

FOR LABOR DAY, BETWEEN THE HOURS OF 5:00AM FRIDAY AND 11:00PM TUESDAY.
7.

FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 5:00AM TUESDAY TO 11:00PM MONDAY.
8.

FOR CHRISTMAS, BETWEEN THE HOURS OF 5:00AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 11:00PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
9.

FOR CHERRY POINT AIRSHOW OCCURRING AT MCAS CHERRY POINT BETWEEN THE DAY BEFORE THE START AND 2 HOURS AFTER THE END OF THE AIRSHOW.

B) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME DAY AND TIME RESTRICTIONS  
MINNESOTT FERRY LOADING LANES 5:00AM TO 11:00PM MONDAY THRU SUNDAY

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) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- I)

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.
- J)

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

GENERAL NOTES

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- L)

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.
- M)

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

INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 200 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

- O)

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.
- P)

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

PAVEMENT MARKINGS AND MARKERS

- Q)

INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:
- ROAD NAME MARKING MARKER

MINNESOTT FERRY LOADING LANES PAINT N/A
- R)

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.
- S)

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

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

TRACE THE EXISTING MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO REMOVAL. PLACE TUBULAR MARKERS TO DELINEATE ANY EXISTING MONOLITHIC ISLANDS AFTER REMOVAL.

MANAGEMENT STRATEGIES

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

RECOMMENDED STRATEGIES:

TRAFFIC MANAGEMENT STRATEGIES:  
LANE SHIFTS OR CLOSURES  
SHOULDER CLOSURES  
NIGHT WORK  
WORK HOUR RESTRICTIONS FOR PEAK TRAVEL

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GENERAL NOTES  
AND  
MANAGEMENT STRATEGIES

PROJ. REFERENCE NO.	SHEET NO.
BR-0173	TMP-3

**PHASING NOTES**

NOTES:

'RSD' REFERS TO NCDOT ROADWAY STANDARD DRAWINGS.

COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MATTER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.

MAINTAIN ACCESS ALONG MINNESOTT BEACH RD. AT ALL TIMES.

SIGNAL LINE OVER THE QUEUE LANES IS TO BE REMOVED PRIOR TO THE BEGINNING OF CONSTRUCTION.

PHASE I:

USING RSD 1101.01 (SHEET 3 OF 3) PLACE ALL ADVANCED WARNING SIGNS ALONG ALL ROADS.

WITH TRAFFIC IN THE EXISTING PATTERN, REMOVE AND REPLACE THE FENCE AND GATE FIRST, AND THEN USE NIGHT-TIME WORK TO CONSTRUCT THE PROPOSED PAVEMENT WIDENING AND DRAINAGE NEAR THE EXIT GATE AND REMOVE THE EXISTING CONCRETE ISLAND. SEE SHEET TMP-4.

ONCE THE ISLAND REMOVAL IS COMPLETED, USE NIGHT-TIME CONSTRUCTION TO FILL IN THE AREA WHERE THE EXISTING CONCRETE ISLAND WAS WITH SURFACE COURSE. SEE SHEET TMP-4.

PHASE II STEP 1:

SHIFT TRAFFIC INTO THE TEMPORARY PATTERN. USE NIGHT-TIME WORK TO CONSTRUCT THE TEMPORARY ABC FOR THE CONNECTION TO THE ADJACENT PARKING LOT. SEE SHEET TMP-5.

DO NOT DISTURB AND AVOID THE EXISTING UTILITY POLE LOCATED BELOW THE TEMPORARY CONNECTION.

REMOVE EXISTING MARKINGS AND PLACE TEMPORARY MARKINGS. PLACE DRUMS/SKINNY DRUMS AND SHIFT TRAFFIC INTO THE TEMPORARY PATTERN. SEE SHEET TMP-5.

PHASE II STEP 2:

WITH TRAFFIC SHIFTED INTO THE TEMPORARY PATTERN, CLOSE OFF THE PROPOSED CONSTRUCTION AND STAGING AREAS AND CONSTRUCT THE PROPOSED FERRY RAMP. SEE SHEET TMP-5.

GIRDER DELIVERY, CRANE OPERATION AND CRANE ERECTION IS TO ONLY TAKE PLACE AT NIGHT.

PHASE III STEP 1:

ONCE THE PROPOSED CONSTRUCTION IS COMPLETED, WITH TRAFFIC STILL SHIFTED INTO THE TEMPORARY PATTERN, REMOVE THE TEMPORARY PAVEMENT CONNECTION TO THE ADJACENT PARKING LOT AWAY FROM TRAFFIC.

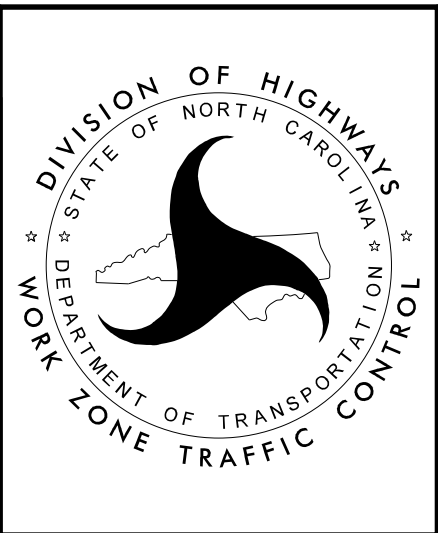
PHASE III STEP 2:

USE NIGHT-TIME CONSTRUCTION TO PLACE THE FINAL MARKINGS, SHIFT TRAFFIC INTO THE FINAL PATTERN, RESET SIGNAL LINE ABOVE QUEUE LANES, AND REMOVE ALL TRAFFIC CONTROL DEVICES FROM THE PROJECT LIMITS.

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<div>APPROVED: <div><div>Signed by:</div><div>Walter E. Augerinos</div><div>67897FCD338548E...</div></div></div> <div>DATE: 10/28/2025</div> <div>SEAL</div> <div><div>SEAL</div><div>058284</div><div>WALTER E. AUGERINOS</div><div>PROFESSIONAL ENGINEER</div><div>NORTH CAROLINA</div></div> <div>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</div>	<div><div>DIVISION OF HIGHWAYS</div><div>STATE OF NORTH CAROLINA</div><div>DEPARTMENT OF TRANSPORTATION</div><div>WORK ZONE TRAFFIC CONTROL</div><div></div></div>	<div>PHASING NOTES</div>
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## PHASE I DETAIL





E5-3  
48" X 36"


$$-1R \quad X \quad 21'$$

—TEMPORARY ABC

THIS OH IS TO REMAIN IN PLACE,  
CONTRACTOR TO AVOID

R11-2  
48" x 30"



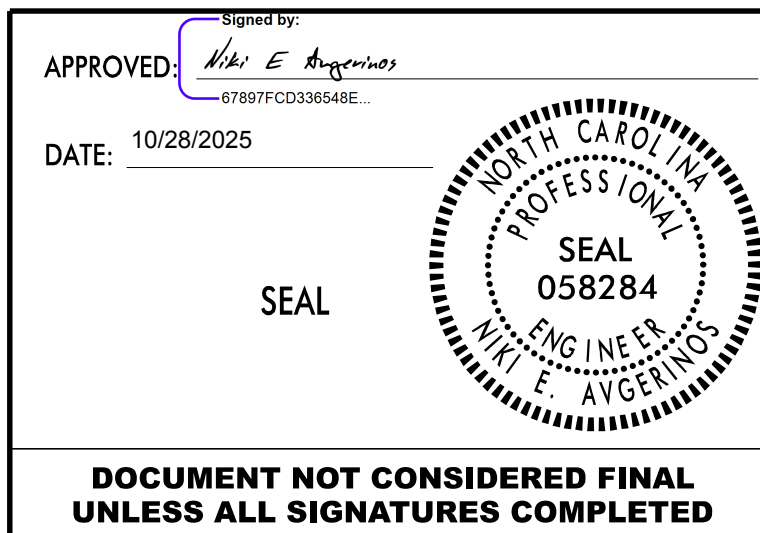
### TYPE III BARRICADE

NOTE: GIRDER DELIVERY, CRANE OPERATION & CRANE ERECTION IS TO TAKE PLACE AT NIGHT

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PHASE II  
DETAIL



PHASE II  
DETAIL