

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-3706	TCP-1

**PLAN FOR PROPOSED
TRAFFIC CONTROL, MARKING & DELINEATION
WARREN COUNTY**

B-3706

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 JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.03	TEMPORARY ROAD CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1145.01	BARRICADES
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY & PERMANENT)
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS
1264.02	PLACEMENT OF OBJECT MARKERS

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND AND INDEX OF SHEETS
TCP-2	PROJECT NOTES
TCP-3 & 4	SIGN DETAILS
SD-1	SPECIAL SIGN DETAILS

LEGEND

- GENERAL**
- DIRECTION OF TRAFFIC FLOW
 - NORTH ARROW
 - PROPOSED PVMT. EXIST. PVMT.
 - WORK AREA
 - REMOVAL OF EXISTING PAVEMENT
- TRAFFIC CONTROL DEVICES**
- TYPE I BARRICADE
 - TYPE II BARRICADE
 - TYPE III BARRICADE
 - CONE
 - DRUM SKINNY DRUM
 - FLASHING ARROW PANEL (TYPE C)
 - STATIONARY SIGN
 - PORTABLE SIGN
 - STATIONARY OR PORTABLE SIGN
 - CRASH CUSHION
 - CHANGEABLE MESSAGE SIGN
 - TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
 - POLICE
 - FLAGGER

PAVEMENT MARKINGS

- CRYSTAL/CRYSTAL PAVEMENT MARKER
- YELLOW/YELLOW PAVEMENT MARKER
- CRYSTAL/RED PAVEMENT MARKER
- PAVEMENT MARKING SYMBOLS

FINAL PAVEMENT MARKING SCHEDULE				
SYMBOL	DESCRIPTION	PAY ITEM QUANTITY	TOTAL	
PAVEMENT MARKINGS PAINT(4")				
PI	YELLOW DOUBLE CENTER (2X)	3600 LF	3600	LF
		TOTAL	3600	LF
PA	WHITE EDGELINE (2X)	3600 LF	3600	LF
		TOTAL	3600	LF
MARKERS PERMANENT RAISED PAVEMENT MARKERS				
MA	YELLOW & YELLOW	11 EA	11	EA
		TOTAL	11	EA

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, 1X IMPLIES A SINGLE APPLICATION, 2X IMPLIES TWO APPLICATIONS, AND 3X IMPLIES THREE APPLICATIONS.

APPROVED:	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
DATE: 11/25/08	
SEAL	J. S. BOURNE, P.E. TRAFFIC CONTROL ENGINEER
	J. S. KITE, P.E. TRAFFIC CONTROL PROJECT ENGINEER
	J. D. KUSE, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
	B. L. LIVERMAN TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

TIP PROJECT:

PROJECT NOTES

PROJ. REFERENCE NO. B-3706	SHEET NO. TCP-2
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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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- A) 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

- B) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- C) 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.
- D) PROVIDE PERMANENT SIGNING.
- E) PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.
- F) COVER OR REMOVE ALL DETOUR SIGNS WITHIN AND OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- G) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

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

PAVEMENT MARKINGS AND MARKERS

- I) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
MANSON-AXTELL RD.	PAINT	PERMANENT RAISED

- J) PLACE TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE. PLACE THE SECOND APPLICATION OF PAINT UPON SUFFICIENT DRYING TIME OF THE FIRST.
- K) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- L) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

LOCAL NOTES

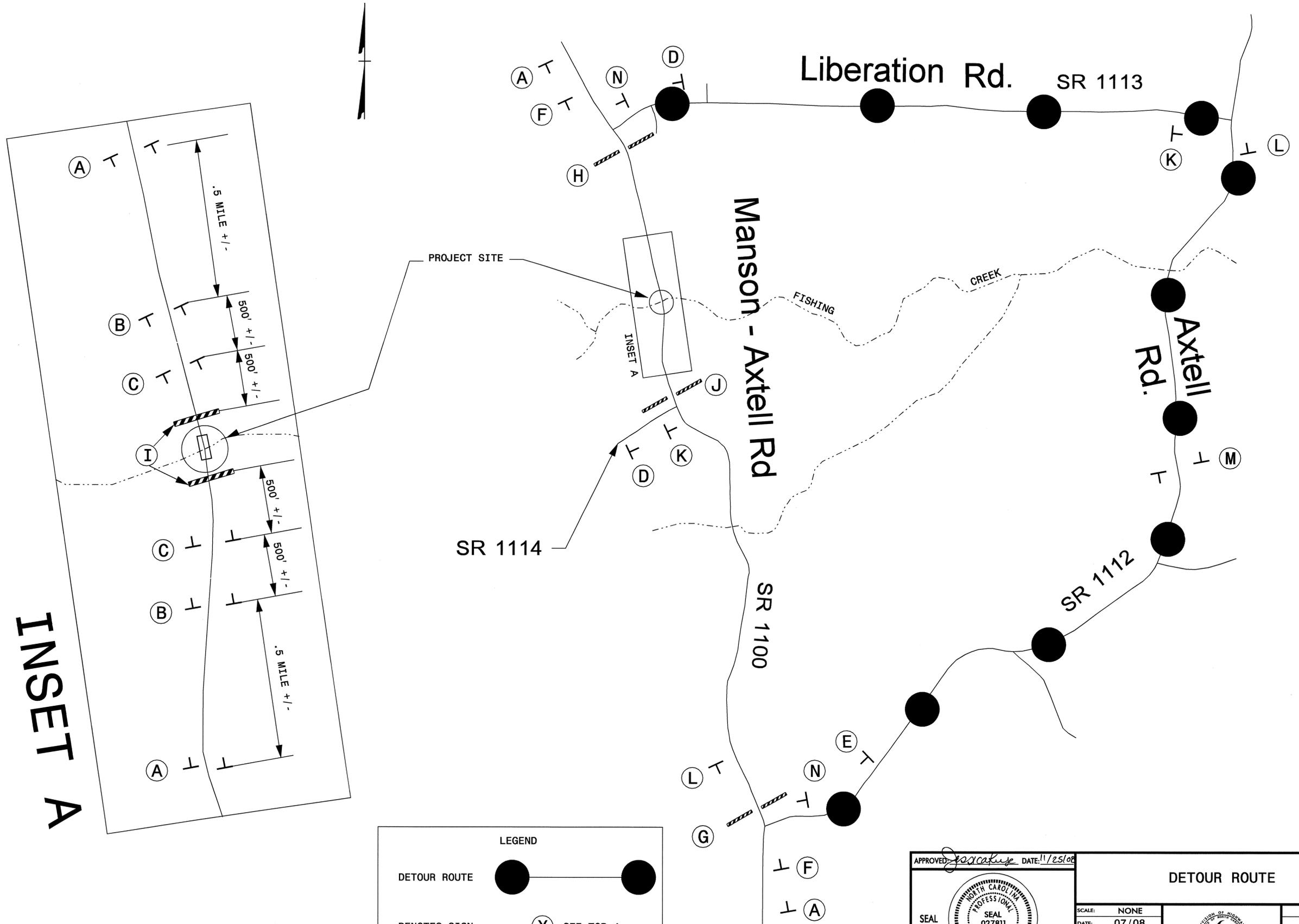
1. INSTALL SIGNS BEFORE THE BARRICADES WHEN CLOSING THE ROADWAY TO TRAFFIC. REMOVE BARRICADES BEFORE THE SIGNS WHEN OPENING THE ROADWAY TO TRAFFIC. INSTALL/REMOVE SIGNS AND BARRICADES WITHIN THE SAME CALENDAR DAY.
2. MAINTAIN LOCAL DRIVEWAYS WITH INCIDENTAL STONE.
3. CONTACT WARREN COUNTY EMERGENCY SERVICES AND SCHOOL SYSTEM ONE MONTH PRIOR TO CONSTRUCTION.

PHASING

- STEP 1 USING TCP-3, TCP-4, AND ROADWAY STANDARD DRAWING 1101.03, SHEETS 1 OF 9, INSTALL SIGNS AND BARRICADES, CLOSING SR 1100 (MANSON-AXTELL RD) TO THRU TRAFFIC. (SEE LOCAL NOTE NO. 1 AND 3)
- STEP 2 CONSTRUCT THE FOLLOWING WITHIN THE ROAD CLOSURE USING ROADWAY STANDARD DRAWING 1101.03 SHEET 1 OF 9, TCP-3 AND TCP-4 AS NEEDED:
(SEE LOCAL NOTE NO. 2)
-REMOVE THE EXISTING STRUCTURE AS SHOWN ON ROADWAY PLANS.
-CONSTRUCT THE PROPOSED STRUCTURE.
-CONSTRUCT THE PROPOSED ROADWAY SECTION FROM -L- STA. 12+50.00 +/- TO -L- STA. 21+50.00 +/- INCLUDING FINAL SURFACE LAYER ACCORDING TO ROADWAY PLANS.
- STEP 3 PLACE THE FINAL PAVEMENT MARKINGS ON -L- FROM -L- STA. 12+50.00 +/- TO -L- STA. 21+50.00. (SEE LOCAL NOTE NO. 2)
- STEP 4 ENSURE THAT ALL FINAL PAVEMENT MARKINGS ARE IN PLACE PRIOR TO REMOVING ALL TRAFFIC CONTROL DEVICES AND REOPENING SR 1100 (MANSON-AXTELL RD.) TO A 2-LANE, 2-WAY PATTERN. (SEE LOCAL NOTE NO. 1)

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APPROVED: <i>Jessica D. Kuse</i> DATE: 11/25/08 	<h2 style="margin: 0;">PROJECT NOTES AND PHASING</h2>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">SCALE:</td> <td>NONE</td> </tr> <tr> <td style="font-size: small;">DATE:</td> <td>07/08</td> </tr> <tr> <td style="font-size: small;">DWG. BY:</td> <td>BLL</td> </tr> <tr> <td style="font-size: small;">DESIGN BY:</td> <td>BLL</td> </tr> <tr> <td style="font-size: small;">REVIEWED BY:</td> <td>JDK</td> </tr> </table>	SCALE:	NONE	DATE:	07/08	DWG. BY:	BLL	DESIGN BY:	BLL	REVIEWED BY:	JDK
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INSET A

LEGEND

DETOUR ROUTE

DNOTES SIGN SEE TCP-4

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