

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-4296	TCP-1

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

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
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
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

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND AND INDEX OF SHEETS, PAVEMENT MARKING SCHEDULE
TCP-2	PROJECT NOTES / PROJECT PHASING
TCP-3	DETOUR MAP / ROAD CLOSURE

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

B-4296

TIP PROJECT:

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APPROVED:	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
DATE: 9/22/08	
SEAL	S. BOURNE, PE TRAFFIC CONTROL ENGINEER
	M. McDIARMID, PE TRAFFIC CONTROL PROJECT ENGINEER
	C. HOWARD TRAFFIC CONTROL PROJECT DESIGN ENGINEER
	M. MANRIQUEZ TRAFFIC CONTROL DESIGN ENGINEER

NOTES / PHASING

PROJECT 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 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.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- B) STATE FORCES WILL BE RESPONSIBLE FOR PERMANENT SIGNING.
 C) STATE FORCES WILL BE RESPONSIBLE FOR DETOUR SIGNING OFF THE PROJECT LIMITS.
 D) STATE FORCES WILL COVER OR REMOVE ALL DETOUR SIGNS OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
 E) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

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

PAVEMENT MARKINGS AND MARKERS

- G) STATE FORCES WILL INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

<u>ROAD NAME</u>	<u>MARKING</u>	<u>MARKER</u>
SR 1321 (Cuthbertson Rd)	Paint	Raised

- H) 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.
 I) 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.
 J) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

PROJECT PHASING

PHASE I

- NOTE: USING FLAGGERS, MAINTAIN VEHICULAR ACCESS TO DRIVEWAY LOCATED AT -L- STA. 17+90+/- WITHIN THE PROJECT LIMITS THROUGHOUT THE DURATION OF THE PROJECT.
- STEP 1: NOTIFY STATE FORCES TO INSTALL DETOUR AND ROAD CLOSURE SIGNING OFF THE PROJECT LIMITS NO MORE THAN THREE (3) DAYS BEFORE ROAD CLOSURE.
- STEP 2: INSTALL TYPE III BARRICADES WITH "ROAD CLOSED TO THRU TRAFFIC" SIGN (R11-4) AND "ROAD CLOSED" SIGN (R11-2) AS SHOWN ON TCP-3. CLOSED SR 1321 (CUTHBERTSON RD) TO THRU TRAFFIC AND SHIFT TRAFFIC ONTO PROPOSED OFFSITE DETOUR. (SEE SHEET TCP-3)
- STEP 3: REMOVE EXISTING BRIDGE #223 AND CONSTRUCT PROPOSED BRIDGE, DRIVEWAYS AND APPROACHES UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA. 16+40.00 TO -L- STA. 28+80.00. NOTIFY STATE FORCES TO INSTALL FINAL PAVEMENT MARKING (PAINT) AND MARKERS (RAISED).
- STEP 4: NOTIFY STATE FORCES TO REMOVE TRAFFIC CONTROL DEVICES AND OPEN SR 1321 (CUTHBERTSON RD) TO THRU TRAFFIC.

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APPROVED: <i>M. McDaniel</i> DATE: <i>4/22/08</i> <div style="text-align: center;">  SEAL </div>	<h2 style="margin: 0;">NOTES / 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>MAY 08</td> </tr> <tr> <td style="font-size: small;">DWG. BY:</td> <td>MRM</td> </tr> <tr> <td style="font-size: small;">DESIGN BY:</td> <td>MRM</td> </tr> <tr> <td style="font-size: small;">REVIEWED BY:</td> <td>CBH</td> </tr> </table>	SCALE:	NONE	DATE:	MAY 08	DWG. BY:	MRM	DESIGN BY:	MRM	REVIEWED BY:	CBH	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="font-size: x-small;">REVISIONS</th> </tr> <tr> <td style="height: 40px;"> </td> </tr> <tr> <td style="height: 40px;"> </td> </tr> <tr> <td style="height: 40px;"> </td> </tr> </table>	REVISIONS			
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