

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-3169	TCP-01

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

B-3169

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS"-
ROADWAY DESIGN UNIT-N.C. DEPARTMENT OF TRANSPORTATION-RALEIGH, N.C.,
DATED JANUARY 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
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-01	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, INDEX OF SHEETS AND FINAL PAVEMENT MARKINGS
TCP-02	GENERAL NOTES, PHASING, AND SIGN DESIGN
TCP-03	DETOUR ROUTE AND SIGNING

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
 - WARNING FLAGS
 - 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

PAVEMENT MARKING SCHEDULE

DESCRIPTION	QUANTITY BREAKDOWN	TOTAL QUANTITY
WHITE EDGELINE	PAINT (4") 1440 LF	TOTAL 2880 LF
YELLOW DOUBLE CENTER	1440 LF	

APPROVED:	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
DATE: August 16, 2007	J. STUART BOURNE, PE TRAFFIC CONTROL ENGINEER
SEAL	J. STEVE KITE, PE TRAFFIC CONTROL PROJECT ENGINEER
	DON PARKER TRAFFIC CONTROL PROJECT DESIGN ENGINEER
	DOUG JOYNER TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

TIP PROJECT:

GENERAL NOTES

ADAPT THE TRAFFIC CONTROL PLANS, WHEN DIRECTED BY THE ENGINEER, TO MEET FIELD CONDITIONS TO PROVIDE SAFE AND EFFICIENT TRAFFIC MOVEMENT. CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE, OR RESULT IN DUPLICATE, OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES.

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) PROVIDE PERMANENT SIGNING.
- C) PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.
- D) THE CONTRACTOR WILL COVER OR REMOVE ALL DETOUR SIGNS WITHIN AND 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. STAGGER OR OVERLAP BARRICADES TO ALLOW FOR INGRESS OR EGRESS.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
SR 1402	PAINT	NONE

- H) PLACE AT LEAST TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE ON NEW ASPHALT PAVEMENT. PLACE ADDITIONAL APPLICATIONS OF PAINT UPON SUFFICIENT DRYING TIME, AS DETERMINED BY THE ENGINEER.

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

PHASING

MAINTAIN INGRESS AND EGRESS TO ALL RESIDENTS AT ALL TIMES DURING CONSTRUCTION.

- 1) USING ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9, CLOSE SR 1402 AND DETOUR TRAFFIC AS SHOWN ON TCP-03.
- 2) REMOVE EXISTING STRUCTURE AND CONSTRUCT PROPOSED BRIDGE AND ROADWAY UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE. PLACE FINAL PAVEMENT MARKINGS.
- 3) REMOVE ALL TRAFFIC CONTROL DEVICES AND RE-OPEN SR 1402 TO TRAFFIC.

<p>Sign Number: SP07227 Type: D Ground Quantity: 1</p> <p>Design By: DME Project ID: B-3169</p> <p>Sign Width: 4'-0" Height: 2'-0" Total Area: 8.0 Sq.Ft.</p> <p>Background Color: Fluorescent Orange Legend & Border Color: Black</p> <p>Border Type: Recessed Recess: 0.38" Width: 0.63" Radii: 1.5"</p> <p>Backing Material: 0.125 in. Aluminum 0.079 in. Composite</p>	<p style="font-size: small;">N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH SIGNING DEPARTMENT</p> <div style="text-align: center;"> <p>Check By: STD #: N/A DIV: 5 Date: Jul 24, 2007</p> <p>BORDER R=1.5" TH=0.63" IN=0.38"</p> </div>																																																									
<p>NOTES:</p> <ol style="list-style-type: none"> Legend and border shall be direct applied non-reflective sheeting. Background shall be Type VII, VIII, or IX (prismatic) retroreflective sheeting. 																																																										
<p>Letter spacings are to start of next letter</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th></th> <th>R</th> <th>I</th> <th>V</th> <th>E</th> <th>R</th> <th>M</th> <th>O</th> <th>N</th> <th>T</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Series/Size Text Length</th> </tr> </thead> <tbody> <tr> <td></td> <td>5.6</td> <td>4.6</td> <td>1.8</td> <td>4.7</td> <td>4</td> <td>4.6</td> <td>5.2</td> <td>4.7</td> <td>4.3</td> <td>3</td> <td>5.6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>C 36.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>C 16.8</td> </tr> </tbody> </table> <p>Spacing Factor is 1 unless specified otherwise</p>			R	I	V	E	R	M	O	N	T									Series/Size Text Length		5.6	4.6	1.8	4.7	4	4.6	5.2	4.7	4.3	3	5.6							C 36.8																			C 16.8
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<p>APPROVED: DATE: 8/16/07</p> <p>SEAL</p>	<h2 style="margin: 0;">GENERAL NOTES AND PHASING</h2>	<p>SCALE: NONE</p> <p>DATE: 07/07</p> <p>DWG. BY: DVJ</p> <p>DESIGN BY: DVJ</p> <p>REVIEWED BY: DAP</p>				
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