

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO. B-4322	SHEET NO. TCP-1
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**PLAN FOR PROPOSED
TRAFFIC CONTROL, MARKING & DELINEATION
WILKES COUNTY**

B-4322

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
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-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, GENERAL NOTES, FINAL PAVEMENT MARKING SCHEDULE, AND INDEX OF SHEETS
TCP-2	PROJECT OVERVIEW AND PHASING
TCP-3	OFF-SITE DETOUR ROUTE - SR 1167 (STONY FORK ROAD)
TCP-4	SIGNING AT DETOUR POINTS
TCP-5	DETOUR SIGN DESIGNS

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

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE OR RESULT IN DUPLICATE OR UNDESIRABLE 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 AS 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 OFF THE PROJECT LIMITS (SEE TCP-3 AND TCP-4).
- D) 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. 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
1. SR 1167 (STONY FORK ROAD)	PAINT	NONE

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.

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	QUANTITY	TOTAL
	FINAL PAVEMENT MARKINGS PAINT (4")		
PA	WHITE EDGELINE (2X)	1796 LF	
PI	YELLOW DOUBLE CENTER (2X)	1796 LF	
			3592 LF

**N.C.D.O.T. TRAFFIC CONTROL, MARKING & DELINEATION SECTION
LIST OF CONTACTS**

STUART BOURNE, P.E.	TRAFFIC CONTROL ENGINEER
JOSEPH ISHAK, P.E.	TRAFFIC CONTROL PROJECT ENGINEER
HABIB LAWANDOS	TRAFFIC CONTROL PROJECT DESIGN ENGINEER
J.L. FUTRELL	TRAFFIC CONTROL DESIGN ENGINEER

B.A. May APPROVED: **7-12-07** DATE:



SEAL

PLAN PREPARED FOR NCDOT BY:

B.A. MAY, P.E.	PROJECT ENGINEER
C.L. MULLEN	DESIGN ENGINEER
	DESIGN TECHNICIAN

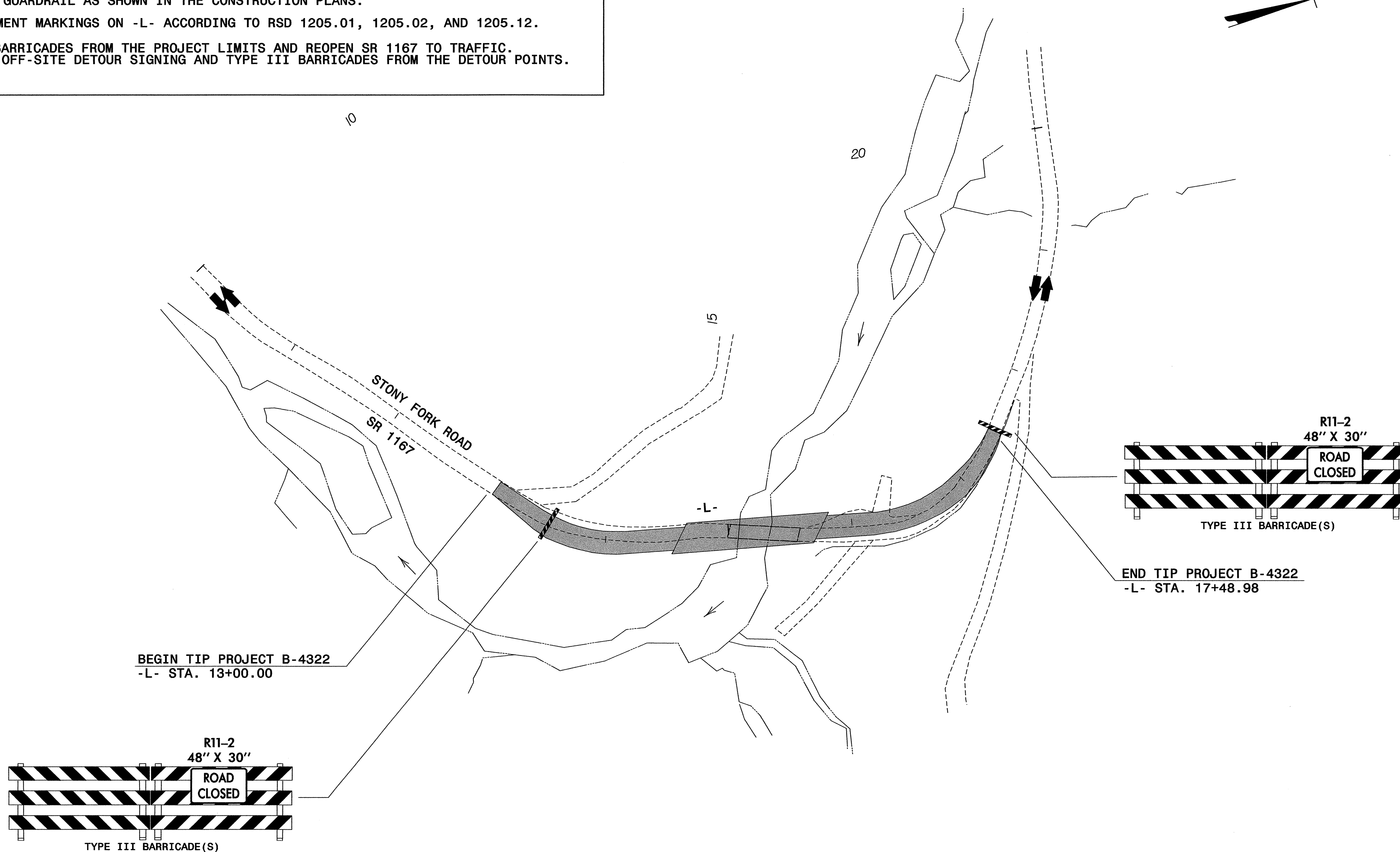


TIP PROJECT:

PHASING

THE CLOSURE OF SR 1167 (STONY FORK ROAD) SHALL BE COORDINATED WITH THE ENGINEER AND NOT CLOSED UNTIL PROPOSED BRIDGE AND ROADWAY WORK IS READY TO BEGIN.

- STEP 1. INSTALL AND COVER TEMPORARY OFF-SITE DETOUR SIGNING ACCORDING TO TCP-3, TCP-4, AND TCP-5.
- STEP 2. INSTALL TYPE III BARRICADES AT THE PROJECT LIMITS AND CLOSE EXISTING SR 1167 TO TRAFFIC AS SHOWN BELOW. UNCOVER OFF-SITE DETOUR SIGNING INSTALLED IN STEP 1.
- STEP 3. CONSTRUCT PROPOSED -L- BRIDGE AND APPROACHES UP TO AND INCLUDING, THE FINAL LAYER OF SURFACE COURSE ACCORDING TO THE CONSTRUCTION PLANS AND AS SHOWN BELOW.
 INSTALL PROPOSED GUARDRAIL AS SHOWN IN THE CONSTRUCTION PLANS.
 PLACE FINAL PAVEMENT MARKINGS ON -L- ACCORDING TO RSD 1205.01, 1205.02, AND 1205.12.
- STEP 4. REMOVE TYPE III BARRICADES FROM THE PROJECT LIMITS AND REOPEN SR 1167 TO TRAFFIC.
 REMOVE TEMPORARY OFF-SITE DETOUR SIGNING AND TYPE III BARRICADES FROM THE DETOUR POINTS.



- REFER TO TCP-1 FOR FINAL PAVEMENT MARKING SCHEDULE
- SEE TCP-3 FOR OFF-SITE DETOUR ROUTE AND TCP-4 FOR SIGNING AT DETOUR POINTS.

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559 Jones Franklin Rd. Suite 164
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 Fax: 919 851 8107

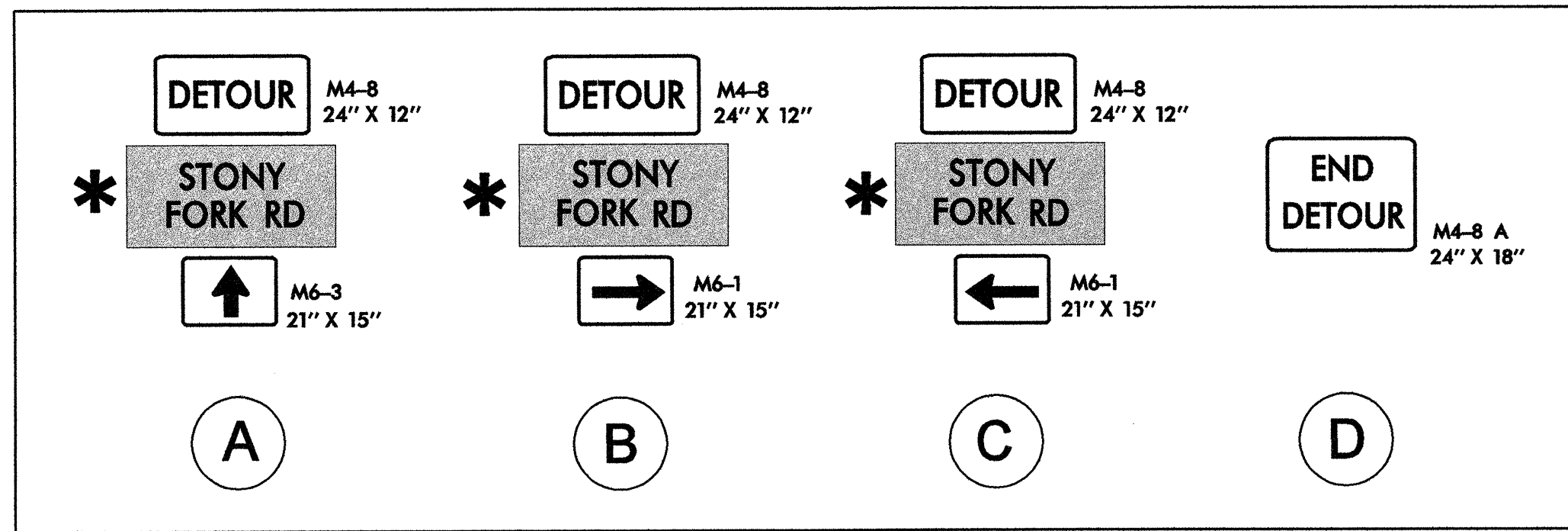
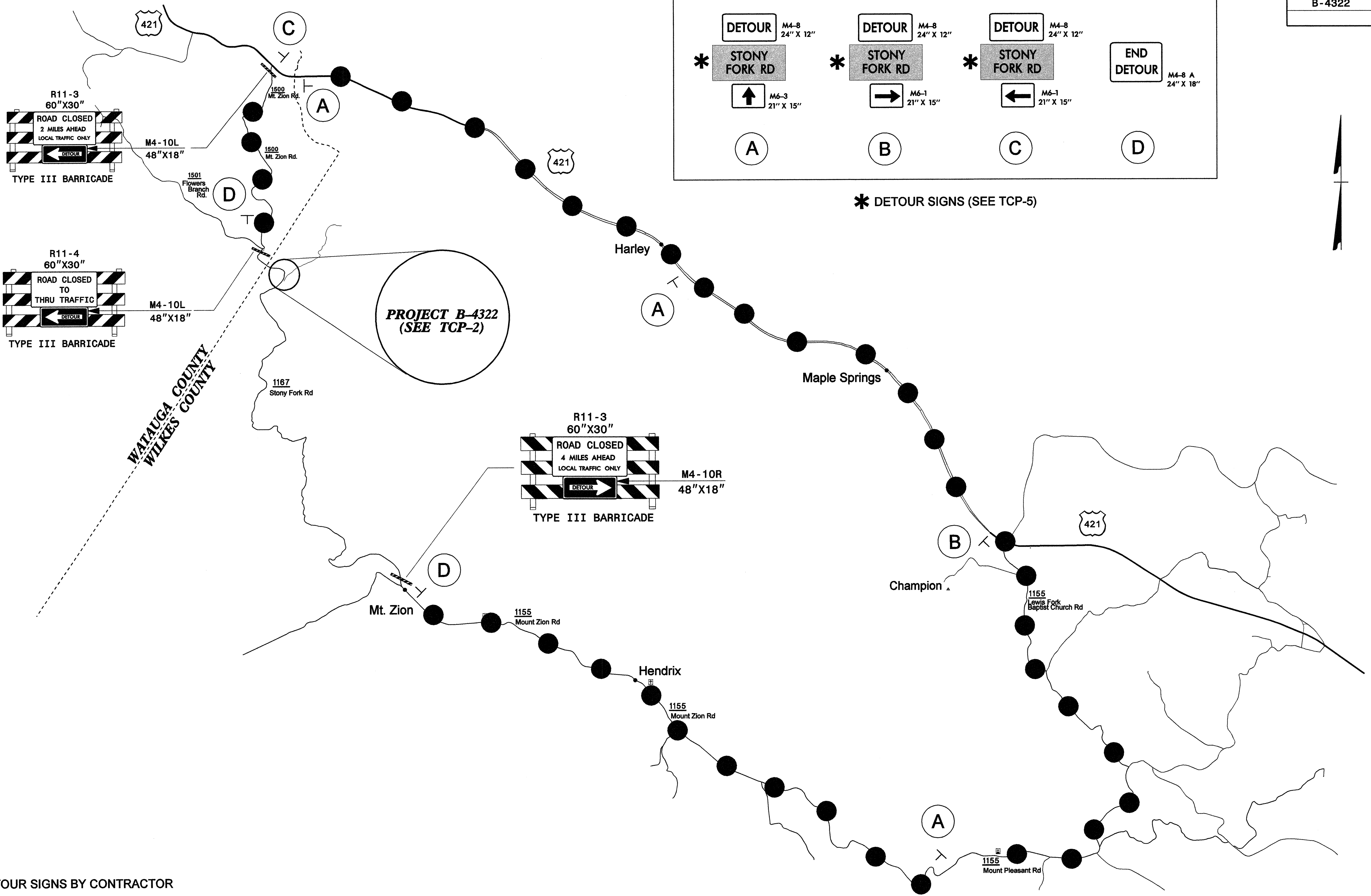
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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: *[Signature]* DATE: 7-12-07

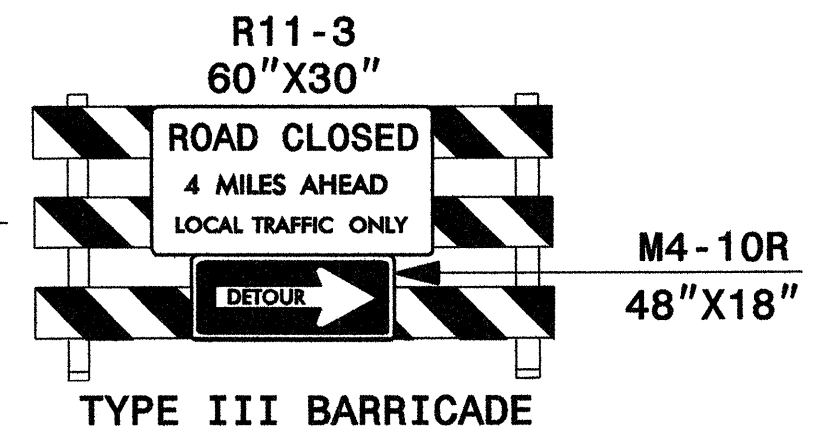
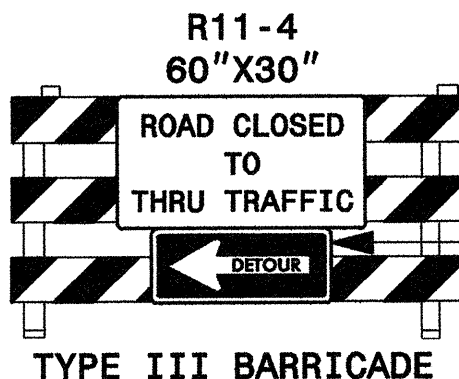
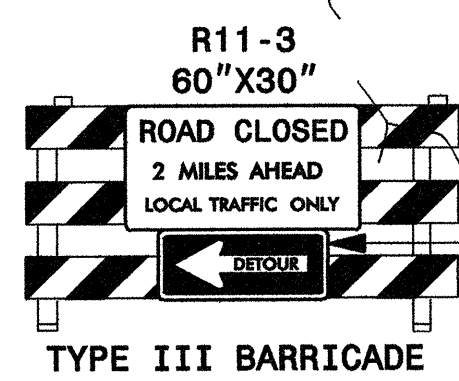
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NORTH CAROLINA
PROFESSIONAL
ENGINEER
BOB A. MAY
2116

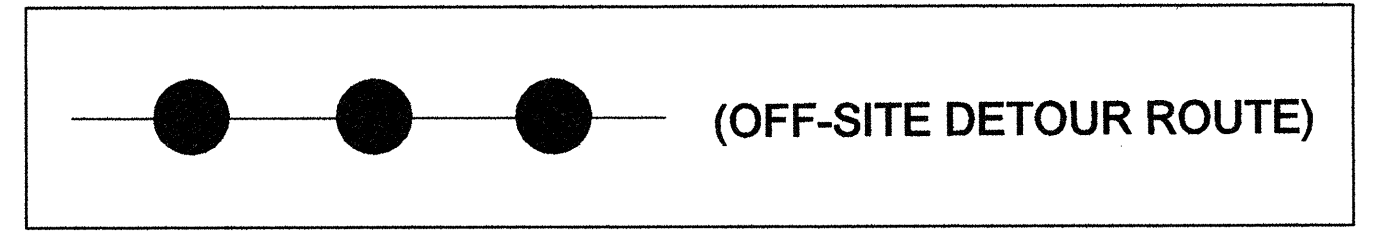
PROJECT OVERVIEW AND PHASING		REVISIONS
SCALE:	NONE	
DATE:	5/07	
DWG. BY:	ABP	
DESIGN BY:	CLM	
REVIEWED BY:	BAM	
CADD FILE		




* DETOUR SIGNS (SEE TCP-5)



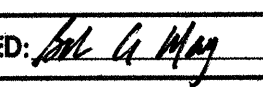

- DETOUR SIGNS BY CONTRACTOR
- SEE TCP-4 FOR SIGNING AT DETOUR POINTS
- DETOUR SIGNS TO BE PAID FOR AS "STATIONARY WORK ZONE SIGNS"




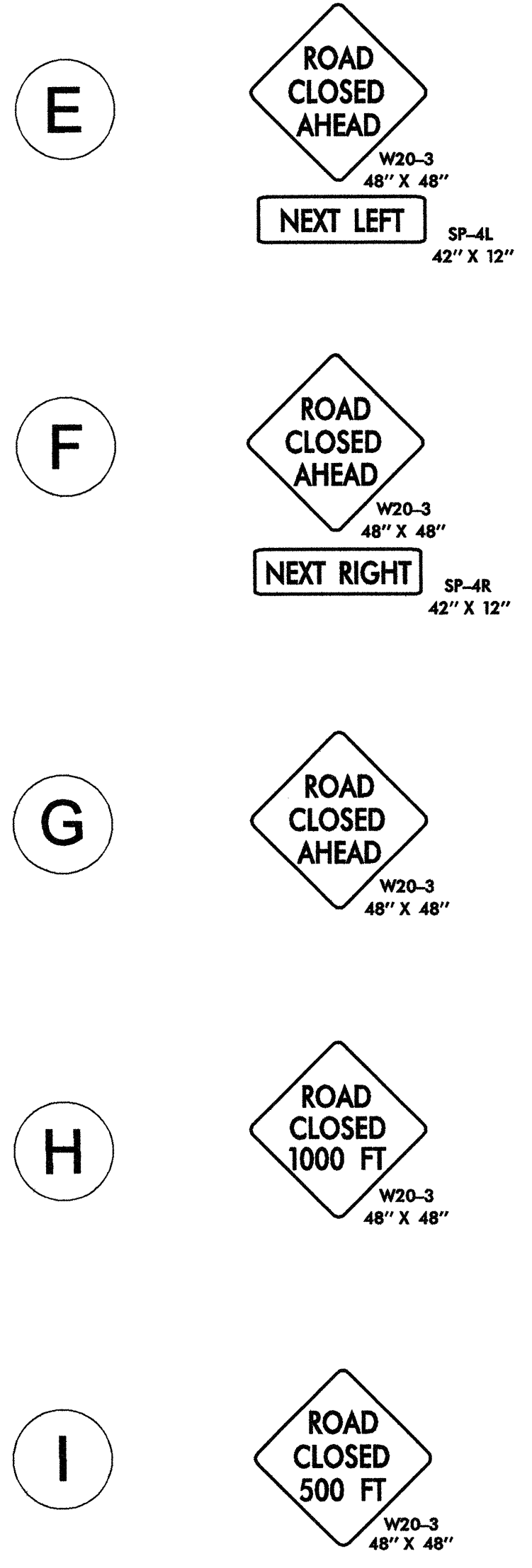
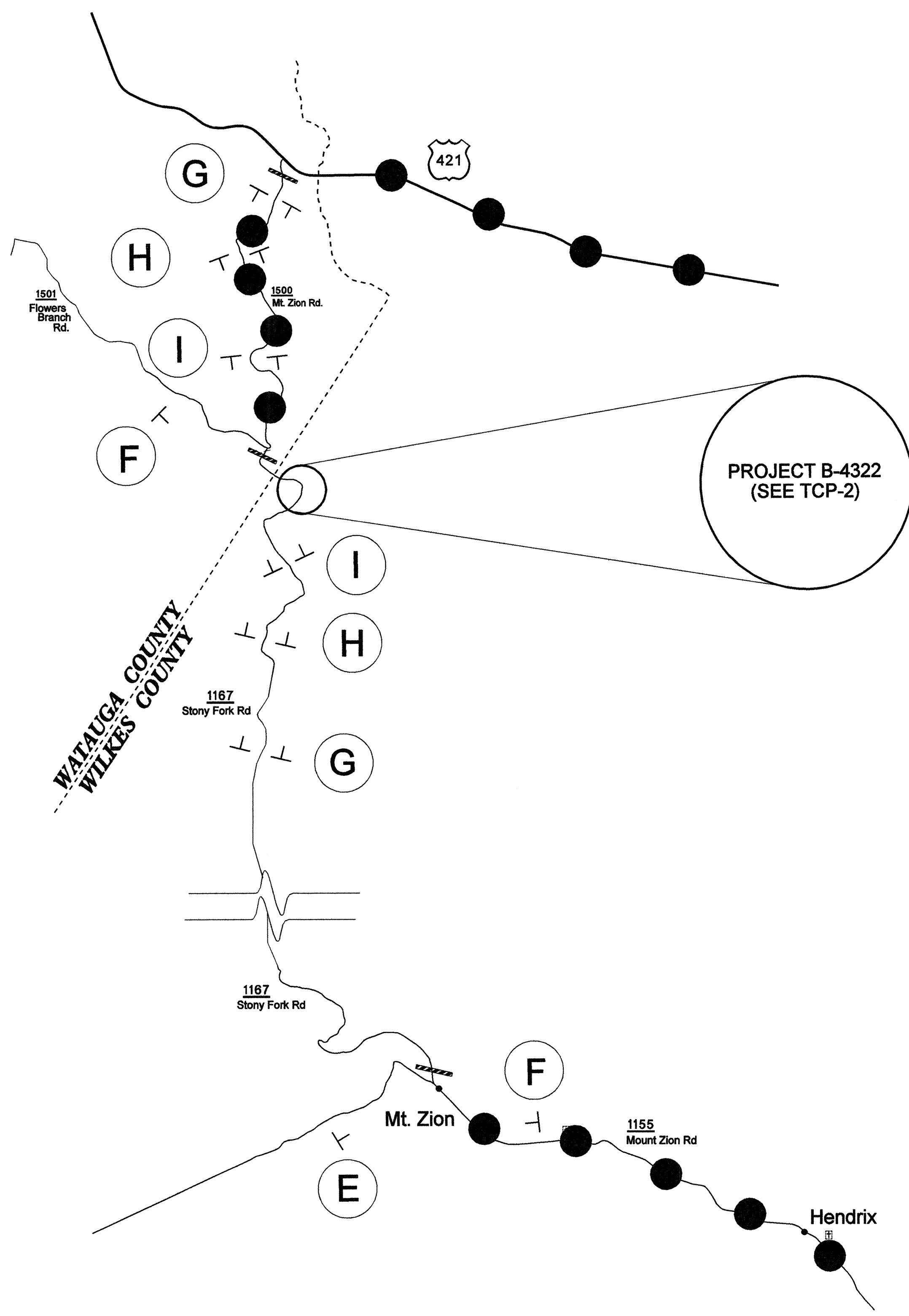
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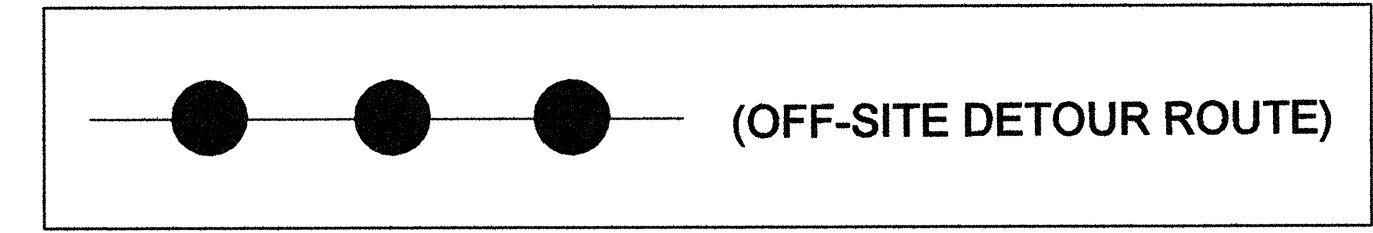
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED:  DATE: 7-12-07


OFF-SITE DETOUR ROUTE SR 1167 (STONY FORK ROAD)		 DIVISION OF HIGHWAY CONTROL	SCALE: NONE	REVISIONS <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>										
DATE: 5/07	DWG. BY: ABP	DESIGN BY: CLM												
REVIEWED BY: BAM														



- SEE RSD 1101.03, SHT. 1 OF 9, FOR SIGN SPACING AT DETOUR POINTS



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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: *[Signature]* DATE: 7-12-07

SEAL

SIGNING AT DETOUR POINTS		REVISIONS
SCALE: NONE		
DATE: 5/07		
DWG. BY: ABP		
DESIGN BY: CLM		
REVIEWED BY: BAM		

<p>Sign Number: _____ Type: D Ground Quantity: 5</p> <p>Design By: DME Project ID: B-4322</p> <p>Check By: _____ DIV: 11</p> <p>STD #: N/A Date: Nov 15, 2005</p> <p>N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH SIGNING DEPARTMENT</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>NOTES: 1. Legend and border shall be direct applied non-reflective sheeting. 2. Background shall be Type VII, VIII, or IX (prismatic) retroreflective sheeting.</p>	<p style="text-align: center;">STONY FORK RD</p> <p>BORDER R=1.5" TH=0.63" IN=0.38"</p>																																																																						
<p>Letter spacings are to start of next letter</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th colspan="10">Letter Spacing Data</th> <th>Series/Size</th> </tr> <tr> <th colspan="2"></th> <th>S</th><th>T</th><th>O</th><th>N</th><th>Y</th><th colspan="4"></th><th colspan="2"></th> <th>Text Length</th> </tr> </thead> <tbody> <tr> <td colspan="2"></td> <td>11.1</td><td>5.2</td><td>4.8</td><td>5.6</td><td>5.2</td><td>5.1</td><td>11.1</td><td colspan="4"></td><td colspan="2"></td> <td>D6</td> </tr> <tr> <td colspan="2"></td> <td colspan="10">F O R K R D</td> <td>D6</td> </tr> <tr> <td colspan="2"></td> <td>6.2</td><td>4.8</td><td>5.6</td><td>5.5</td><td>4.1</td><td>6</td><td>5.5</td><td>4</td><td>6.2</td><td colspan="2"></td> <td>35.5</td> </tr> </tbody> </table> <p>Spacing Factor is 1 unless specified otherwise FILENAME: GS40_ENGL</p>				Letter Spacing Data										Series/Size			S	T	O	N	Y							Text Length			11.1	5.2	4.8	5.6	5.2	5.1	11.1							D6			F O R K R D										D6			6.2	4.8	5.6	5.5	4.1	6	5.5	4	6.2			35.5
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- DETOUR SIGNS TO BE PAID FOR AS "STATIONARY WORK ZONE SIGNS"

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<p>559 Jones Franklin Rd. Suite 164 Raleigh, N.C. 27406 Bus: 919 851 8077 Fax: 919 851 8107</p> <p style="font-size: small;">TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	APPROVED: DATE: 7-12-07		<h2>DETOUR SIGN DESIGNS</h2>				
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