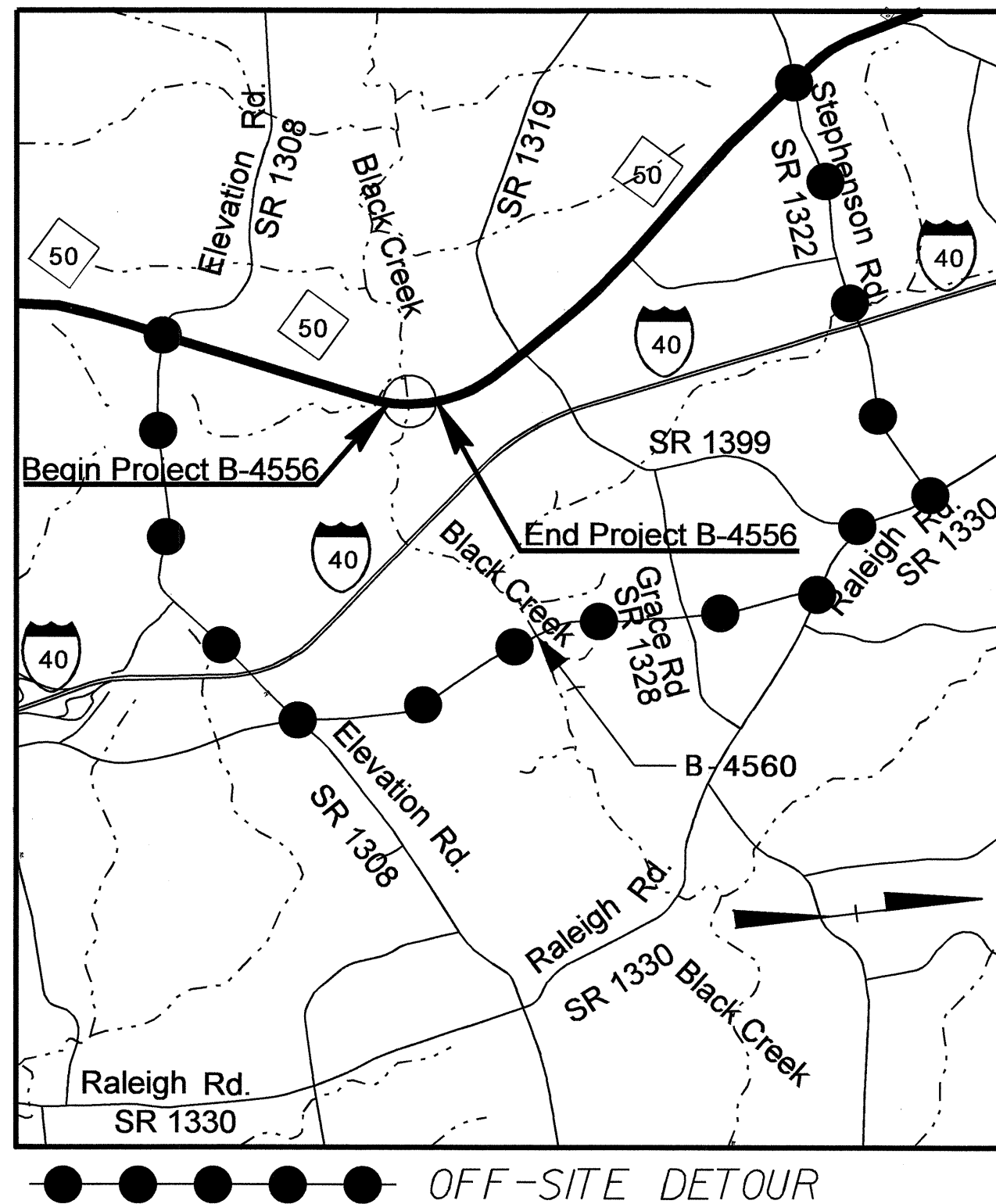
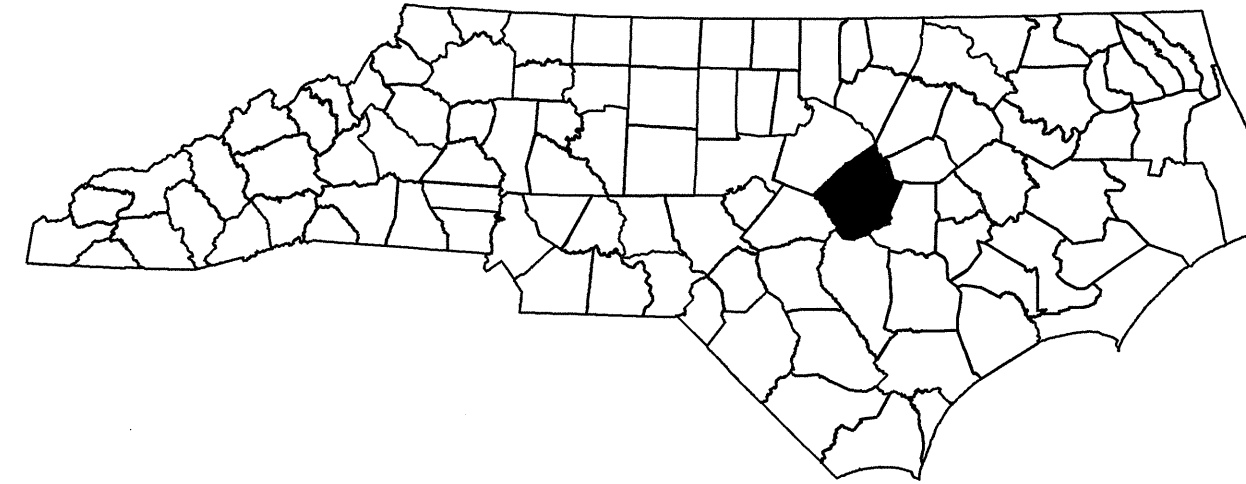


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**JOHNSTON COUNTY**



**LOCATION: BRIDGE 74 OVER BLACK CREEK ON NC 50**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE**

**INDEX OF SHEETS**

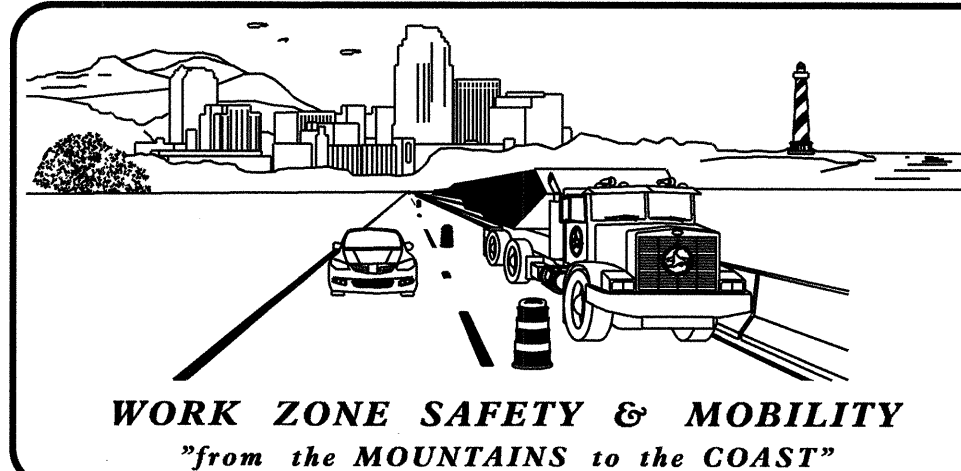
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-1B	TRAFFIC OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES AND PHASING)
TMP-2	OFFSITE DETOUR
TMP-3	ROAD CLOSURE

SHEET NO.  
TMP-1

**B-4556**

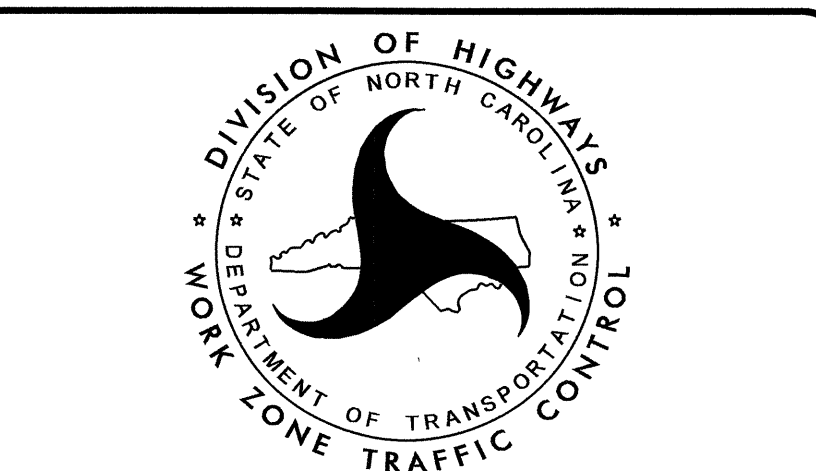
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samiller1 AT TE248375



**N.C.D.O.T. WORK ZONE TRAFFIC CONTROL**  
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561  
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)  
PHONE: (919) 773-2800 FAX: (919) 771-2745

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER  
J. S. KITE, P.E. TRAFFIC CONTROL PROJECT ENGINEER  
D. W. BISSETTE, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
S. D. MILLER, P.E. TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: *[Signature]*  
DATE: 8-22-11

SEAL




## ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN 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:

<u>STD. NO.</u>	<u>TITLE</u>
1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1145.01	BARRICADES

## LEGEND


### GENERAL

-  DIRECTION OF TRAFFIC FLOW
-  DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
-  NORTH ARROW
- PROPOSED PVMT.










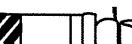

 WORK AREA

 REMOVAL




 USER DEFINED (IF NEEDED)

 USER DEFINED (IF NEEDED)

### TRAFFIC CONTROL DEVICES

-  BARRICADE (TYPE III)
-  CONE
-  DRUM     SKINNY DRUM     TUBULAR MARKER
-  TEMPORARY CRASH CUSHION
-  FLASHING ARROW PANEL (TYPE C)
-  FLAGGER
-  LAW ENFORCEMENT
-  TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
-  CHANGEABLE MESSAGE SIGN

### TEMPORARY SIGNING

-  PORTABLE SIGN
-  STATIONARY SIGN
-  STATIONARY OR PORTABLE SIGN




### SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY

### PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

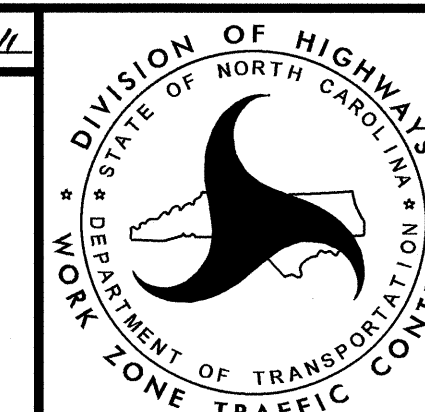
### PAVEMENT MARKERS

-  CRYSTAL/CRYSTAL
-  CRYSTAL/RED
-  YELLOW/YELLOW

### PAVEMENT MARKING SYMBOLS

-  PAVEMENT MARKING SYMBOLS

APPROVED: *St. Miller* DATE: 8-22-11



**ROADWAY STANDARD  
DRAWINGS & LEGEND**

## MANAGEMENT STRATEGIES

- THE ROAD WILL BE CLOSED.
- TRAFFIC WILL BE DETOURED OFF SITE.
- SCHOOLS AND EMERGENCY SERVICES WILL BE NOTIFIED AT LEAST ONE MONTH PRIOR TO CLOSURE
- LOCAL TRAFFIC WILL BE MAINTAINED.
- WORK ON B-4556 WILL NOT BE PERMITTED UNTIL B-4560 IS COMPLETED

## 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) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC MANAGEMENT PLANS.
- D) PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC MANAGEMENT PLANS.
- E) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
- F) COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- G) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

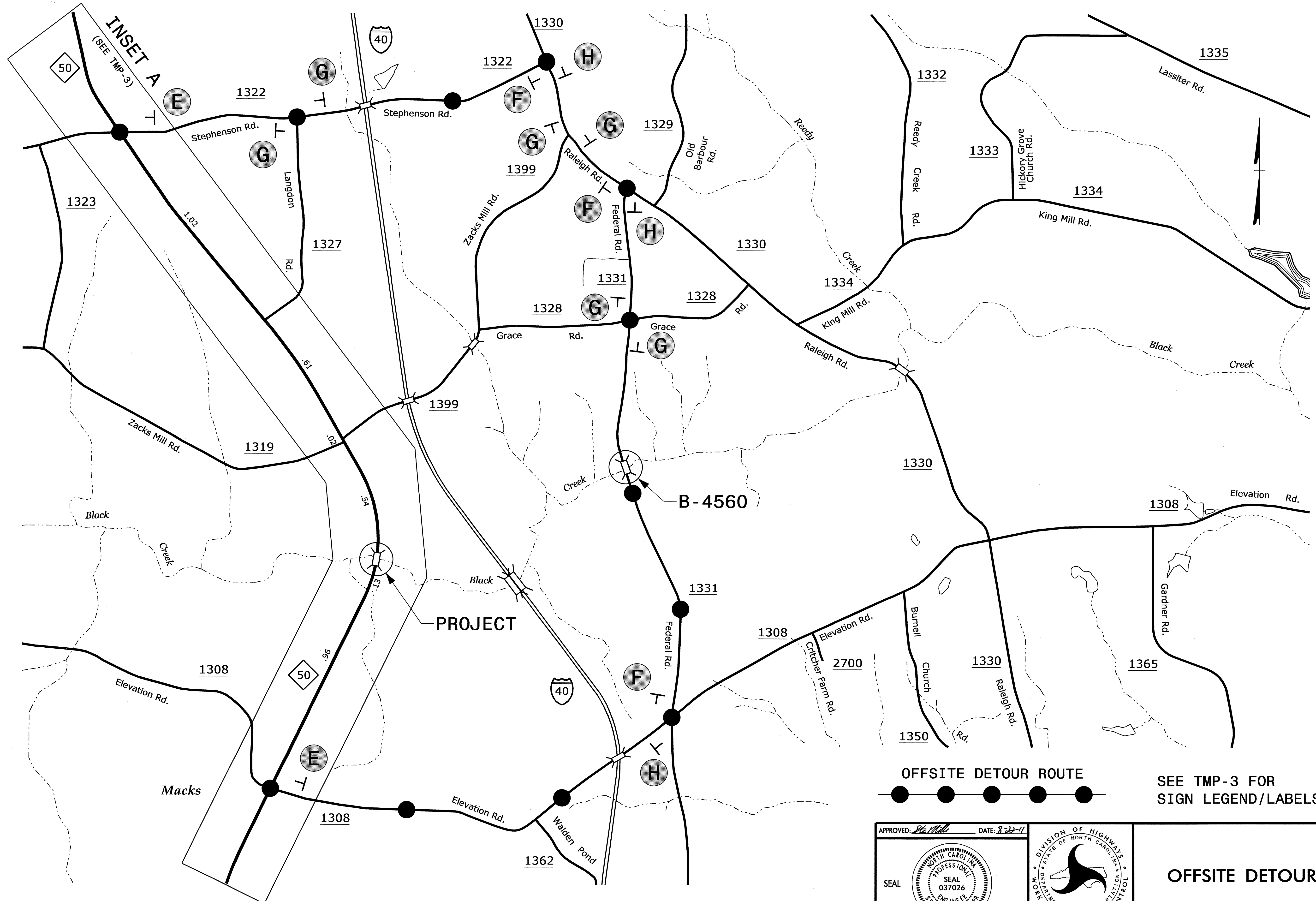
## PHASING

PROJECT B-4560 (BRIDGE 102 OVER BLACK CREEK ON SR 1331, FEDERAL AID ROAD) MUST BE COMPLETED BEFORE B-4556 CAN BEGIN. NOTIFY JOHNSTON COUNTY SCHOOLS AND JOHNSTON COUNTY EMERGENCY SERVICES AT LEAST ONE MONTH PRIOR TO ROAD CLOSURE. MAINTAIN ACCESS TO THE DRIVEWAY NEAR STA 13+50 AT ALL TIMES.

- STEP 1 INSTALL SIGNS AND BARRICADES CLOSING NC 50 TO THROUGH TRAFFIC AS SHOWN ON TMP-2 AND TMP-3 AND IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9.
- STEP 2 PERFORM THE FOLLOWING WITHIN THE ROAD CLOSURE:  
 -REMOVE THE EXISTING STRUCTURE  
 -CONSTRUCT THE PROPOSED STRUCTURE  
 -CONSTRUCT THE PROPOSED ROADWAY SECTION -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE FROM STA 10+00 TO STA 22+00.
- STEP 3 PLACE THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS FROM STA 10+00 TO STA 22+00.
- STEP 4 REMOVE ALL DEVICES AND OPEN NC 50 TO THROUGH TRAFFIC.

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APPROVED: <i>St. Miller</i> DATE: 8-22-11			<h1 style="margin: 0;">TRANSPORTATION OPERATIONS PLAN</h1>
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**INSET A**  
(SEE TMP-3)

**PROJECT**

**B-4560**

**OFFSITE DETOUR ROUTE**

SEE TMP-3 FOR  
SIGN LEGEND/LABELS

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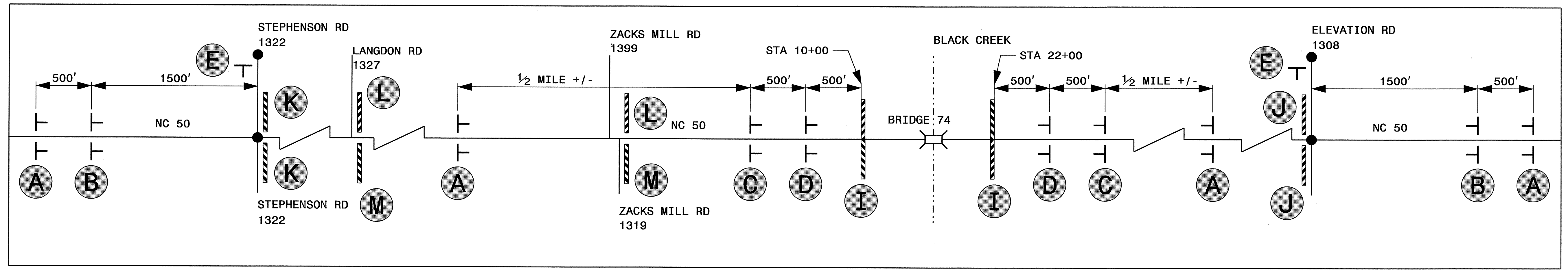
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**OFFSITE DETOUR**

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 schiller1 AT TE248375



INSET A



 W20-3 48" X 48" <b>A</b> (8 EA)	 W20-2 48" X 48" <b>B</b> (4 EA)	 W20-3 48" X 48" <b>C</b> (4 EA)	 W20-3 48" X 48" <b>D</b> (4 EA)	 M4-8 A 24" X 18"  M1-5 <b>E</b> (2 EA)	 M4-8 24" X 12"  M1-5  M6-1 21" X 15" <b>F</b> (3 EA)	 M4-8 24" X 12"  M1-5  M6-3 21" X 15" <b>G</b> (6 EA)	 M4-8 24" X 12"  M1-5  M6-1 L 21" X 15" <b>H</b> (3 EA)
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 R11-2 48" x 30" <b>I</b> (2 SETS)	 R11-4 60" x 30" M4-10R 48" x 18" <b>J</b> (2 EA)	 R11-3 60" x 30" M4-10L 48" x 18" <b>K</b> (2 EA)	 R11-4 60" x 30" <b>L</b> (2 EA)	 R11-4 60" x 30" <b>M</b> (2 EA)
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 schiller1 AT TE248375

APPROVED: <i>[Signature]</i> DATE: 8-22-11			<b>ROAD CLOSURE</b>
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