| STATE PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| B - 4 3 0 3 | TCP-1 |

# STATE OF NORTH CAROLINA
# DIVISION OF HIGHWAYS

# PLAN FOR PROPOSED TRAFFIC CONTROL, MARKING & DELINEATION

# WAKE

B-4303

TIP PROJECT:

## 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 |
| 1110.01 | Stationary Work Zone Signs |
| 1145.01 | Barricades |
| 1205.01 | Pavement Markings - Line Types & Offsets |
| 1205.02 | Pavement Markings - Divided & Undivided Roadways |
| 1205.12 | Pavement Markings - Bridges |
| 1250.01 | Pavement Markers Spacing |
| 1251.01 | Raised Pavement Markers - Permanent And Temporary |
| 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, Index Of Sheets And Pavement Marking Schedule |
| TCP-2 | General Notes And Phasing |
| TCP-3 | Detour Route And Signing |
| SD-1 | Mt Vernon Church Road (SR 1844) Sign Detail |


## 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)
- TYPE 'B' WARNING LIGHT
- 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

## FINAL PAVEMENT MARKING SCHEDULE

| SYMBOL | DESCRIPTION | PAY ITEM QUANTITY | TOTAL QUANTITY |
|---|---|---|---|
| | PAVEMENT MARKINGS | | |
| | COLD APPLIED PLASTIC (4") TYPE III [PERMANENT WET REFLECTIVE] | | |
| CA | WHITE EDGELINE | 230 LF | |
| CI | YELLOW DOUBLE CENTER | 230 LF | |
| | | TOTAL | 460 LF |
| | THERMOPLASTIC (4", 90 mils) | | |
| TA | WHITE EDGELINE | 2120 LF | |
| | | TOTAL | 2120 LF |
| | THERMOPLASTIC (4", 120 mils) | | |
| TI | YELLOW DOUBLE CENTER | 2120 LF | |
| | | TOTAL | 2120 LF |
| | MARKERS | | |
| | PERMANENT RAISED PAVEMENT MARKERS | | |
| MA | YELLOW & YELLOW | 30 EA | |
| | | TOTAL | 30 EA |

APPROVED: Chad L. Lanford
DATE: 8/26/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 030528 ENGINEER CHAD L. LANFORD

PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT

| | |
|---|---|
| J. S. BOURNE, P.E. | TRAFFIC CONTROL ENGINEER |
| M. M. MCDIARMID, P.E. | TRAFFIC CONTROL PROJECT ENGINEER |
| C. L. LANFORD, P.E. | TRAFFIC CONTROL PROJECT DESIGN ENGINEER |
| P. SEYMORE | TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN |

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pseymore AT WZTC237502

| PROJ. REFERENCE NO. | SHEET NO. |
|---|---|
| B-4303 | TCP-2 |

# 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.

Traffic Pattern Alterations

A) Notify the Engineer twenty one (21) calendar days prior to any traffic pattern alteration.

Signing

B) Provide permanent signing within the project limits and detour signing off the project limits.

C) Provide detour signing within the project limits.

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.

Pavement Markings And Markers

G) Install pavement markings and pavement markers on the final surface as follows:

| Road Name | Marking | Marker |
|---|---|---|
| -L- (SR 1844, Mt Vernon Church Rd) | Thermo | Raised Permanent |
| -L- (Bridge #102) | Cold Applied Type III | Raised Permanent |

H) Tie proposed pavement marking lines to existing pavement marking lines.

# PHASING

Note: Maintain access to all driveways within the project limits.

Step 1) Using Roadway Standard Drawing (RSD) 1101.03 sheet 1 of 9 and Sheet TCP-3, perform the following:
-Install all road closure and detour signing and barricades.
-Close SR 1844 (Mt Vernon Church Road) from -L- Sta. 14+25+/- to -L- Sta. 26+00+/-.
-Place traffic onto off-site detour.

Step 2) Away from traffic, perform the following from -L- Sta. 14+25 +/- to -L- Sta. 26+00+/-:
-Remove existing Bridge #102 from -L- Sta. 17+13+/- to -L- Sta. 18+28+/-, existing culvert from -L- Sta. 24+26+/- to -L- Sta. 24+53+/-, and approaches.
-Construct the proposed structure from -L- Sta. 17+13+/- to -L- Sta. 18+28+/-, the proposed culvert from -L- Sta. 24+26+/- to -L- Sta. 24+53+/-, and approaches up to and including the final layer of surface course.
-Install final pavement markings and markers.

Step 3) Remove all traffic control signing and devices and re-open SR 1844 (Mt Vernon Church Road) to a two-lane, two-way pattern.

APPROVED: Chad L Lanford DATE: 8/26/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 030528 ENGINEER CHAD L. LANFORD

GENERAL NOTES AND PHASING

| | |
|---|---|
| SCALE: | NONE |
| DATE: | 08-19-08 |
| DWG. BY: | PS |
| DESIGN BY: | CLL |
| REVIEWED BY: | MMM |

DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH

| REVISIONS | |
|---|---|
| | |
| | |
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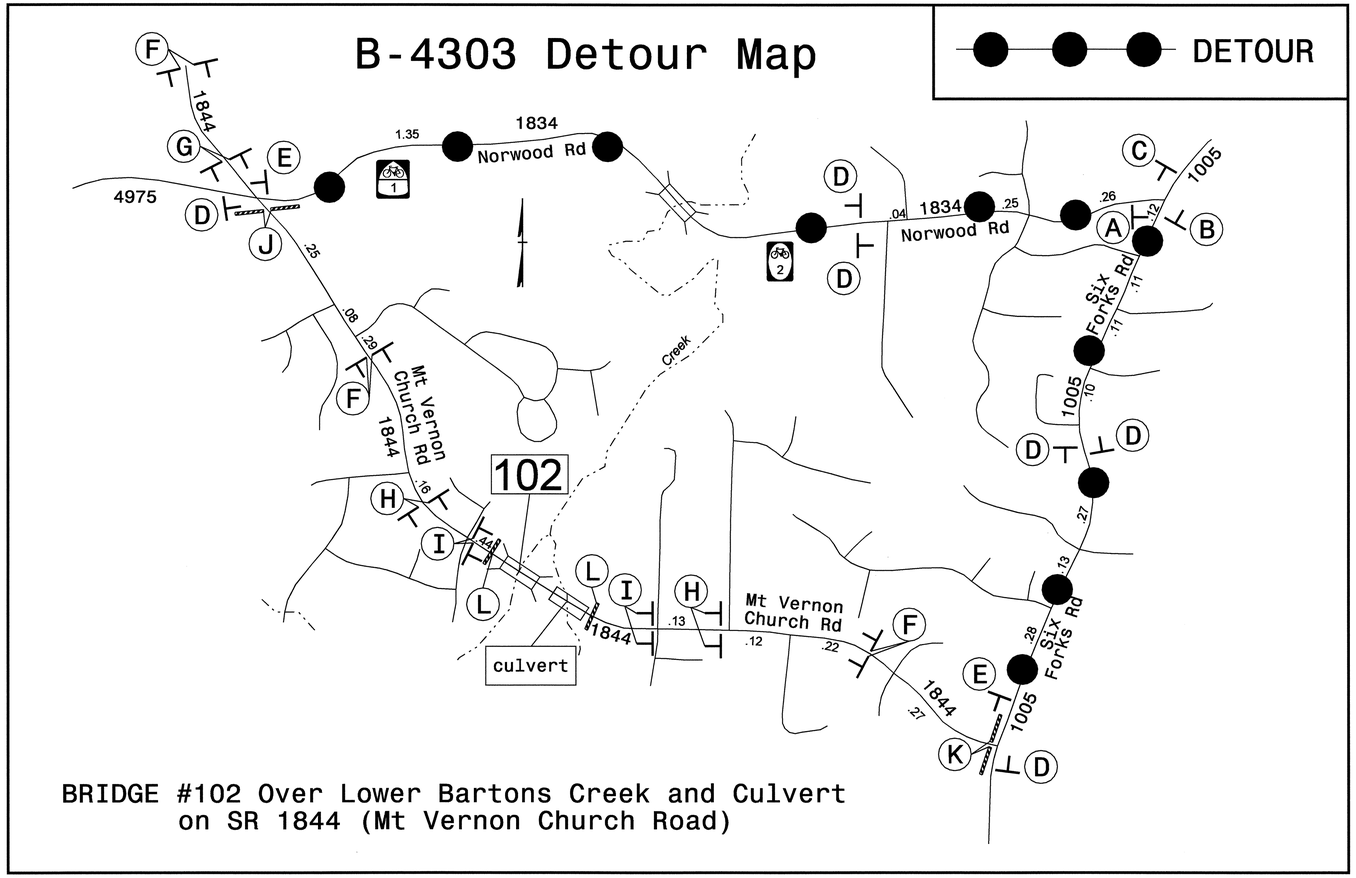
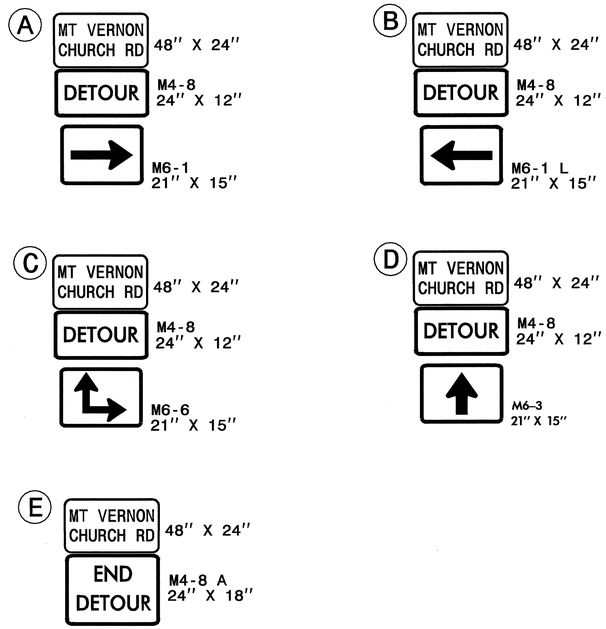
| PROJ. REFERENCE NO. | SHEET NO. |
|---|---|
| B-4303 | TCP-3 |

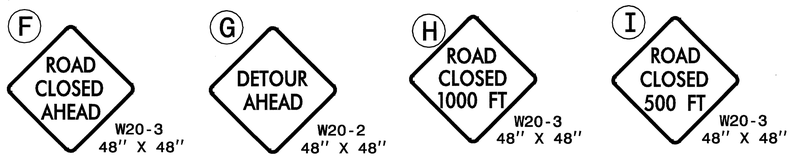
# B-4303 Detour Map

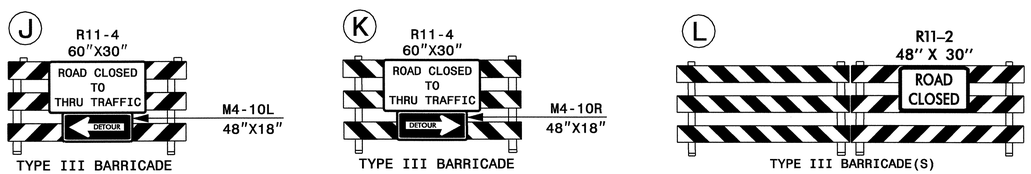



BRIDGE #102 Over Lower Bartons Creek and Culvert on SR 1844 (Mt Vernon Church Road)




✳ NOTE: USE RDWY STD DWG 1101.03 SHEET 1 OF 9 TO INSTALL SIGNS 'F' THRU 'L' OR AS DIRECTED BY THE ENGINEER.




APPROVED: Chad L. Lanford DATE: 8/26/08

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 030528 ENGINEER CHAD L. LANFORD

## OFFSITE DETOUR MAP AND SIGNING

| | |
|---|---|
| SCALE: | NONE |
| DATE: | 08-19-08 |
| DWG. BY: | PS |
| DESIGN BY: | CLL |
| REVIEWED BY: | MMM |

REVISIONS

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