# 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

### 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.

TCP-01

TCP-02

#### TITLE

LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS,

LEGEND, INDEX OF SHEETS AND FINAL PAVEMENT MARKINGS

GENERAL NOTES, PHASING, AND SIGN DESIGN

DETOUR ROUTE AND SIGNING TCP-03

## **LEGEND**

#### **GENERAL**

DIRECTION OF TRAFFIC FLOW

NORTH ARROW

— PROPOSED PVMT. ----- EXIST. PVMT.

**WORK AREA** 

REMOVAL OF EXISTING PAVEMENT

#### TRAFFIC CONTROL DEVICES

T TYPE I BARRICADE

TYPE III BARRICADE

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)

**FLAGGER** 

#### PAVEMENT MARKINGS

CRYSTAL/CRYSTAL PAVEMENT MARKER

YELLOW/YELLOW PAVEMENT MARKER

CRYSTAL/RED PAVEMENT MARKER

PAVEMENT MARKING SYMBOLS

9

20

# PAVEMENT MARKING SCHEDULE

DESCRIPTION

WHITE EDGELINE

YELLOW DOUBLE CENTER

QUANTITY BREAKDOWN

TOTAL QUANTITY

PAINT(4") 1440 LF

1440 LF

TOTAL 2880 LF

SEAL

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

J. STUART BOURNE, PE TRAFFIC CONTROL ENGINEER

J. STEVE KITE, PE TRAFFIC CONTROL PROJECT ENGINEER

DON PARKER TRAFFIC CONTROL PROJECT DESIGN ENGINEER

DOUG JOYNER TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

| PROJ. REFERENCE NO. | SHEET NO. |
|---------------------|-----------|
| <u>B-3169</u>       | TCP-02    |
|                     | 102-02    |

## 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:

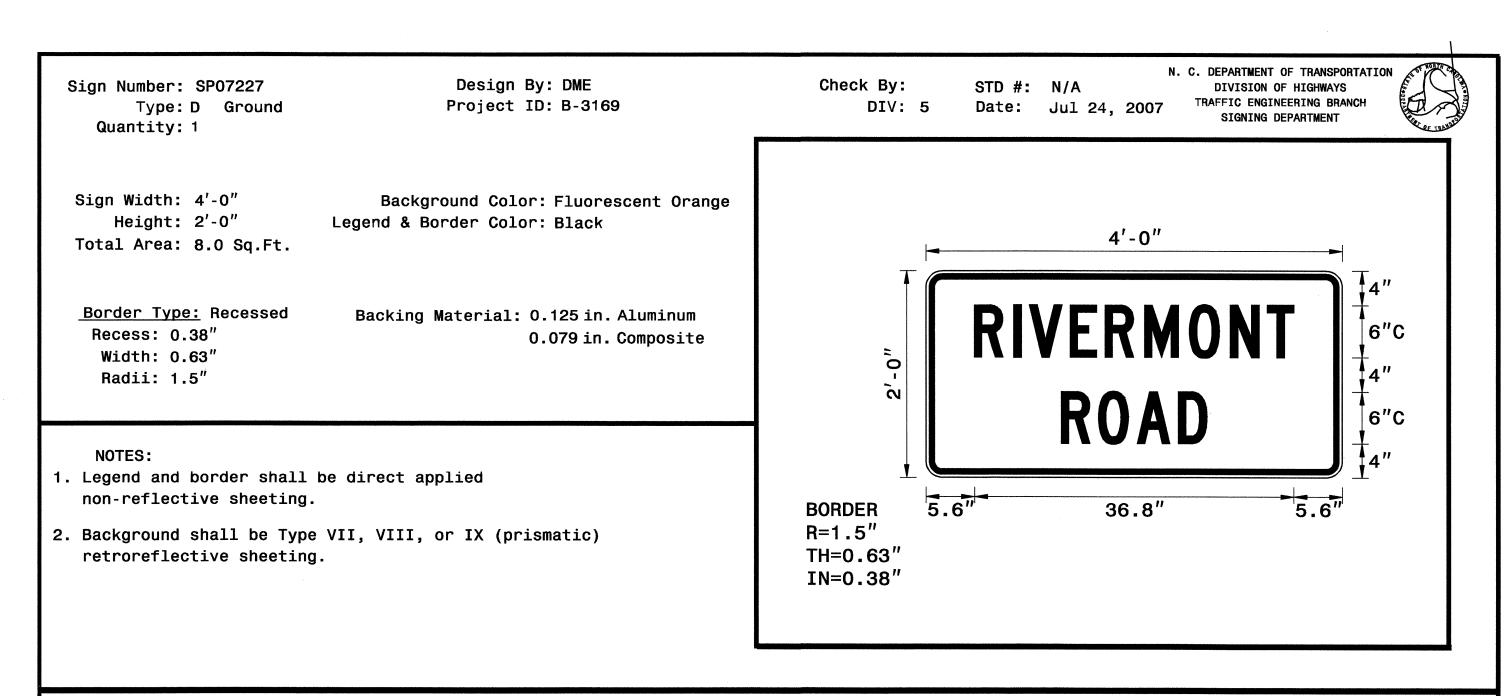
ROAD NAME SR 1402 MARKING PAINT MARKER NONE

- 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

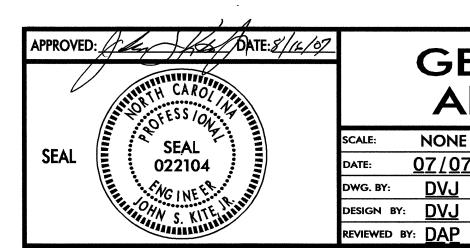
MAINTAIN INGRESS AND EGRESS TO ALL RESIDENTS AT ALL TIMES DURING CONSTRUCTION.

- 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.



| Letter spacings are to start of next letter |     |     |     |     |      |     |     |     |   |     |  |  |  |  | Series/S<br>Text Len |  |  |      |
|---|-----|-----|-----|-----|------|-----|-----|-----|---|-----|--|--|--|--|----------------------|--|--|------|
|   | R   | I   | V   | E   | R    | M   | 0   | N   | Т |     |  |  |  |  |                      |  |  | С    |
| 5.6   | 4.6 | 1.8 | 4.7 | 4   | 4.6  | 5.2 | 4.7 | 4.3 | 3 | 5.6 |  |  |  |  |                      |  |  | 36.8 |
|   | R   | 0   | Α   | D   |      |     |     |     |   |     |  |  |  |  |                      |  |  | С    |
| 15.6  | 4.3 | 4.5 | 4.8 | 3.3 | 15.6 | 1   |     |     |   |     |  |  |  |  |                      |  |  | 16.8 |

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GENERAL NOTES AND PHASING

NONE

O7/O7

DVJ

DVJ

