# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO. B-4247

# PLAN FOR PROPOSED TRAFFIC CONTROL, MARKING & DELINEATION

# RICHMOND COUNTY

PAY ITEM QUANTITY

BREAKDOWN

1770 LF

13 EA

## 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
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1145.01	BARRICADES
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

FINAL PAVEMENT MARKING SCHEDULE

PAVEMENT MARKING SCHEDULE

PAVEMENT MARKINGS

THERMO

THERMO

**PAVEMENT MARKERS** 

PERMANENT RAISED

TIP PROJECT # B-4247

# INDEX OF SHEETS

### SHEET NO.

TCP-1

TCP-2

TOTAL QUANTITY

1770 LF

1770 LF

TOTAL 3540 LF

#### TITLE

LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS. LEGEND, INDEX OF SHEETS, AND FINAL PAVEMENT

MARKING SCHEDULE

GENERAL NOTES AND PHASING

TCP-3 DETOUR ROUTE AND BARRICADE PLACEMENT

SD-1 SPECIAL SIGN DESIGN

## **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

CONE

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** 

### PAVEMENT MARKINGS

CRYSTAL/CRYSTAL PAVEMENT MARKER

YELLOW/YELLOW PAVEMENT MARKER

CRYSTAL/RED PAVEMENT MARKER

PAVEMENT MARKING SYMBOLS

APPROVED: DATE:

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

J. S. BOURNE, P.E TRAFFIC CONTROL ENGINEER

J. ISHAK, P.E. TRAFFIC CONTROL PROJECT ENGINEER

J. L. PORTANOVA, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER

J. FUTRELL TRAFFIC CONTROL DESIGN ENGINEER

**DESCRIPTION** 

WHITE EDGELINE

YELLOW YELLOW

YELLOW DOUBLE CENTER

SYMBOL

PA

PΙ

-NOV-2008 08:17 dot/dfsrootOl/proj/tip parker2 AT WZTC2447

PROJ. REFERENCE NO.	SHEET NO.
B-4247	TCP-2
	167-2

### 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.
- C) PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.
- D) 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.

#### PAVEMENT MARKINGS AND MARKERS

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

**ROAD NAME** 

MARKING

MARKER

SR 1321 (CAPEL MILL RD)

THERMO

PERMANENT RAISED

H) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

### PHASING

- STEP 1: USING RSD 1101.03, SHEET 1 OF 9, AND SHEETS TCP-3 AND SD-1, CLOSE SR 1321 (CAPEL MILL ROAD) AND DETOUR TRAFFIC TO OFFSITE DETOUR.
- STEP 2: AWAY FROM TRAFFIC, PERFORM THE FOLLOWING:
  - 1. REMOVE EXISTING STRUCTURE. SEE ROADWAY PLANS.
  - 2. CONSTRUCT PROPOSED STRUCTURE AND APPROACHES UP TO AND INCLUDING FINAL LAYER OF SURFACE COURSE FROM -L- STA.12+50 +/- TO -L- STA. 20+50 +/-. SEE ROADWAY PLANS.
  - 3. PLACE FINAL PAVEMENT MARKING (THERMOPLASTIC) AND FINAL PAVEMENT MARKERS (PERMANENT RAISED) FROM -L- STA. 12+50 +/- TO -L- STA. 20+50 +/-, AND TIE TO EXISTING PAVEMENT MARKING.
- STEP 3: REMOVE ALL TEMPORARY WORK ZONE TRAFFIC CONTROL DEVICES AND ALL DETOUR SIGNING. OPEN SR 1321 (CAPEL MILL RD.) TO TWO-LANE, TWO-WAY TRAFFIC PATTERN.

DATE: DATE: MAY 08 WG. BY: JLF DESIGN BY: JLF

GENERAL NOTES AND PHASING

NTS

**REVISIONS** 

