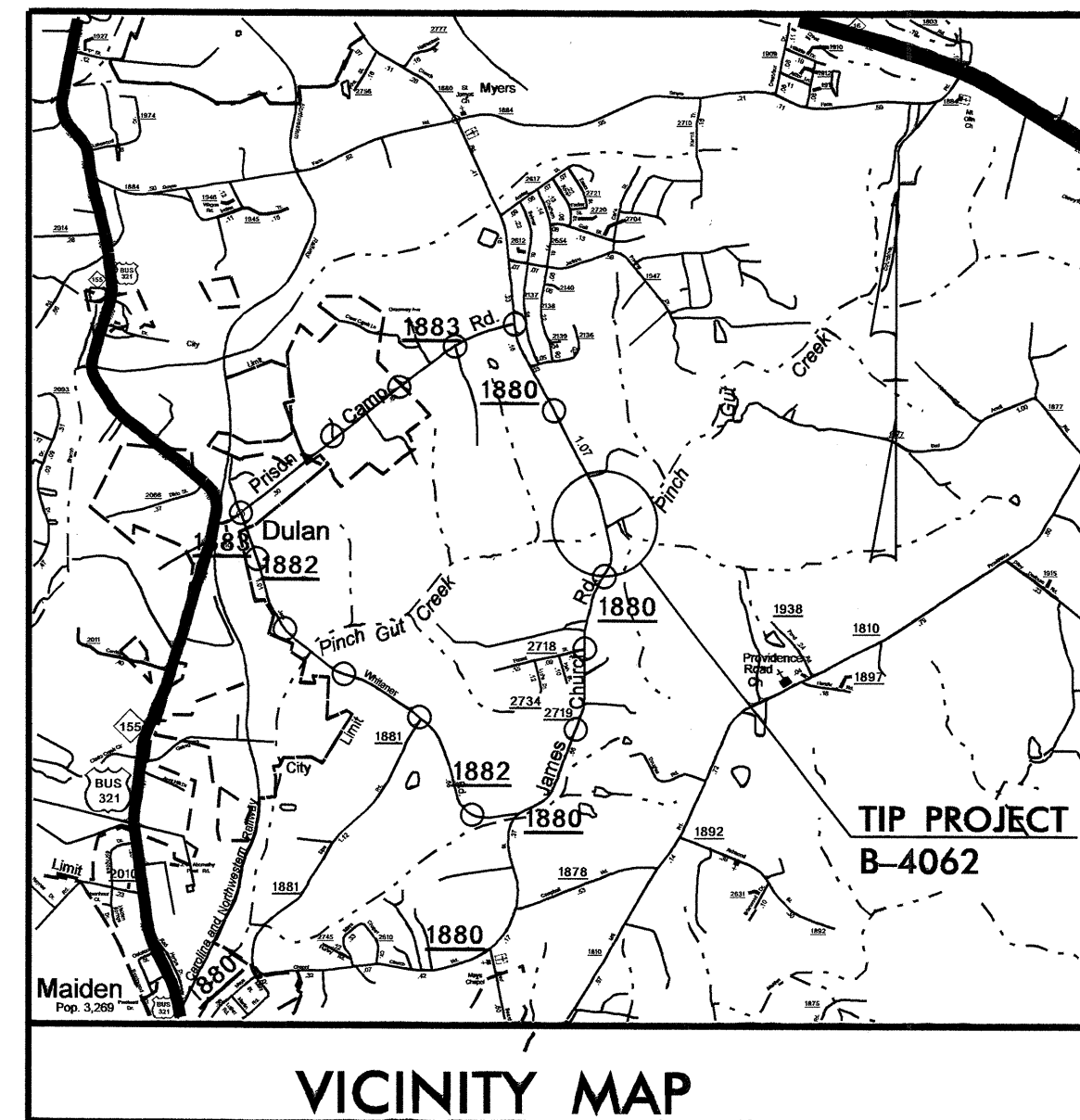
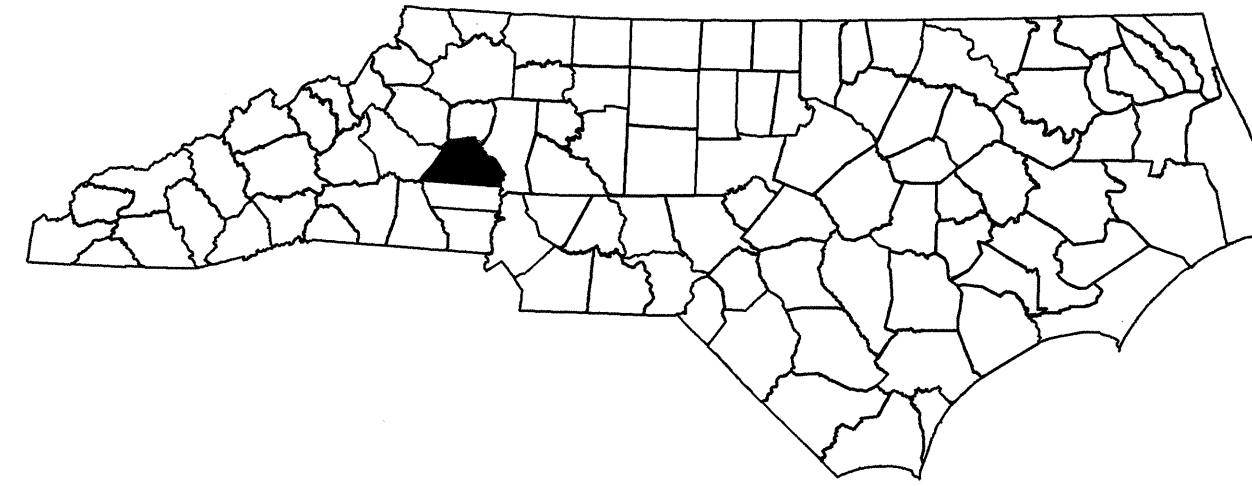


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**CATAWBA COUNTY**



**LOCATION: BRIDGE NO. 127 OVER PINCH GUT CREEK ON SR 1880**

**INDEX OF SHEETS**

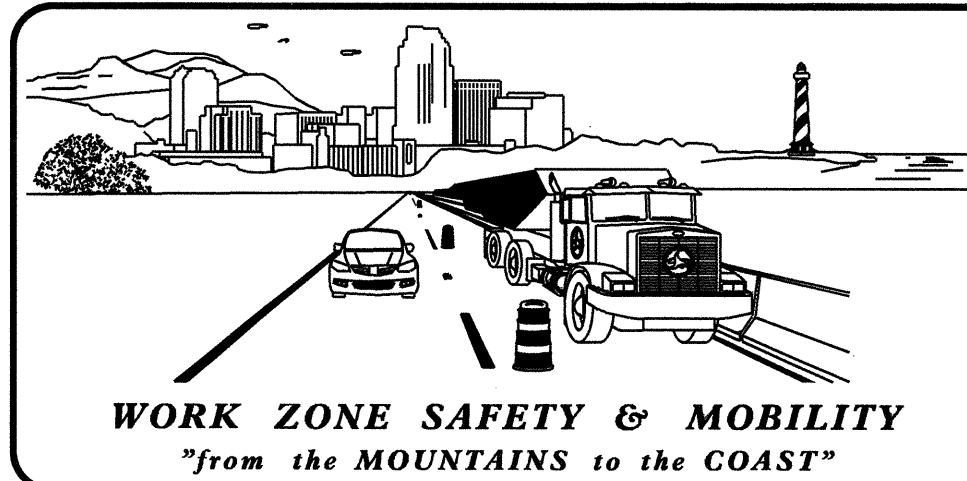
SHEET NO.	TITLE
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS LEGEND, AND GENERAL NOTES
TMP-2	SIGN DESIGN
TMP-3	TRAFFIC CONTROL PHASING
TMP-4	DETOUR ROUTE

SHEET NO.  
TMP-1

**B-4062**

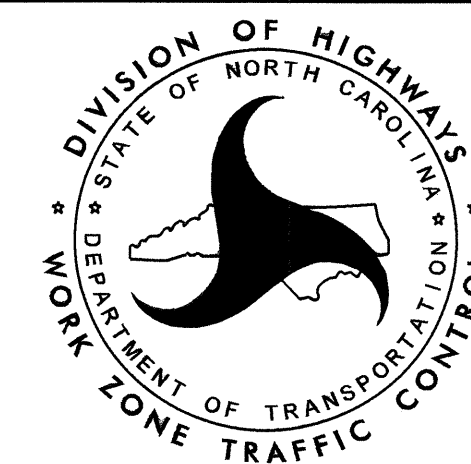
**TIP PROJECT:**

30-AUG-2010 11:36  
\\dot\dfsroot\proj\TIP\Projects-B\B4062\TrafficControl\TCP\Final\TCP\B-4062.tc\_tmp\_01.dgn  
msishak AT WZTC244732



**N.C.D.O.T. WORK ZONE TRAFFIC CONTROL**  
1580 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1580  
1020 BIRCH RIDGE DRIVE, RALEIGH, NC 27610 (DELIVERY)  
PHONE: (919) 250-4094 FAX: (919) 250-4098

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER  
G. L. GETTIER, P.E. TRAFFIC CONTROL PROJECT ENGINEER  
J. W. WOOLARD, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
M. S. ISHAK TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_

SEAL

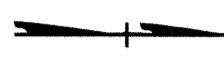
## ROADWAY STANDARD DRAWINGS

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
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW PANELS
1145.01	BARRICADES
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

## LEGEND

### GENERAL

 NORTH ARROW

### TRAFFIC CONTROL DEVICES

 BARRICADE (TYPE III)  
 CONE  
 DRUM     SKINNY DRUM     TUBULAR MARKER

### TEMPORARY SIGNING

 STATIONARY SIGN

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 UNDESIRE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OF 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.

#### 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 A 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

- B) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (WB-11) (200 FT) IN ADVANCE AND A MINIMUM OF ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

#### TRAFFIC PATTERN ALTERATIONS

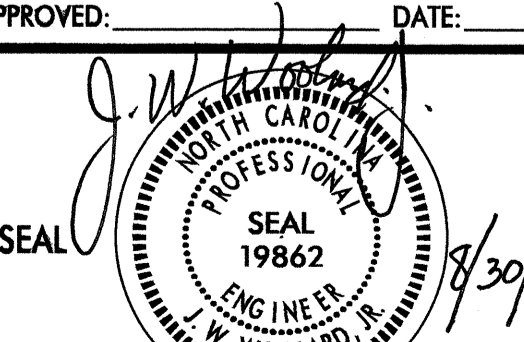
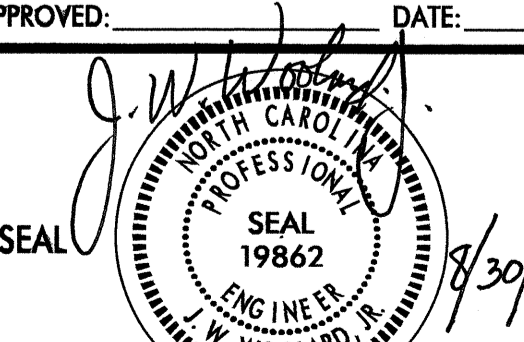

- C) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

### SIGNING

- E) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS. PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- F) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION. 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.
- H) INSTALL BLACK ON ORANGE "DIP" SIGNS (WB-2) AND/OR "BUMP" SIGNS (WB-1) 350 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

### TRAFFIC CONTROL DEVICES

- I) PLACE TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R-11-2 ATTACHED OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

APPROVED: 	DATE: 8/30/10			<p><b>ROADWAY STANDARD DRAWINGS, LEGEND &amp; GENERAL NOTES</b></p>
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SIGN NUMBER: SP10057      BACKG COLOR: Fluorescent Orange  
 TYPE: STATIONARY      COPY COLOR: Black  
 QUANTITY: SEE PLANS

DESIGN BY: WRD  
 PROJECT ID: B-4062

CHECKED BY:  
 DIV: 12

DATE: Feb 17, 2010

SIGN WIDTH: 4'-0"  
 HEIGHT: 2'-0"  
 TOTAL AREA: 8.0 Sq.Ft.

SYMBOL	X	Y	WID	HT

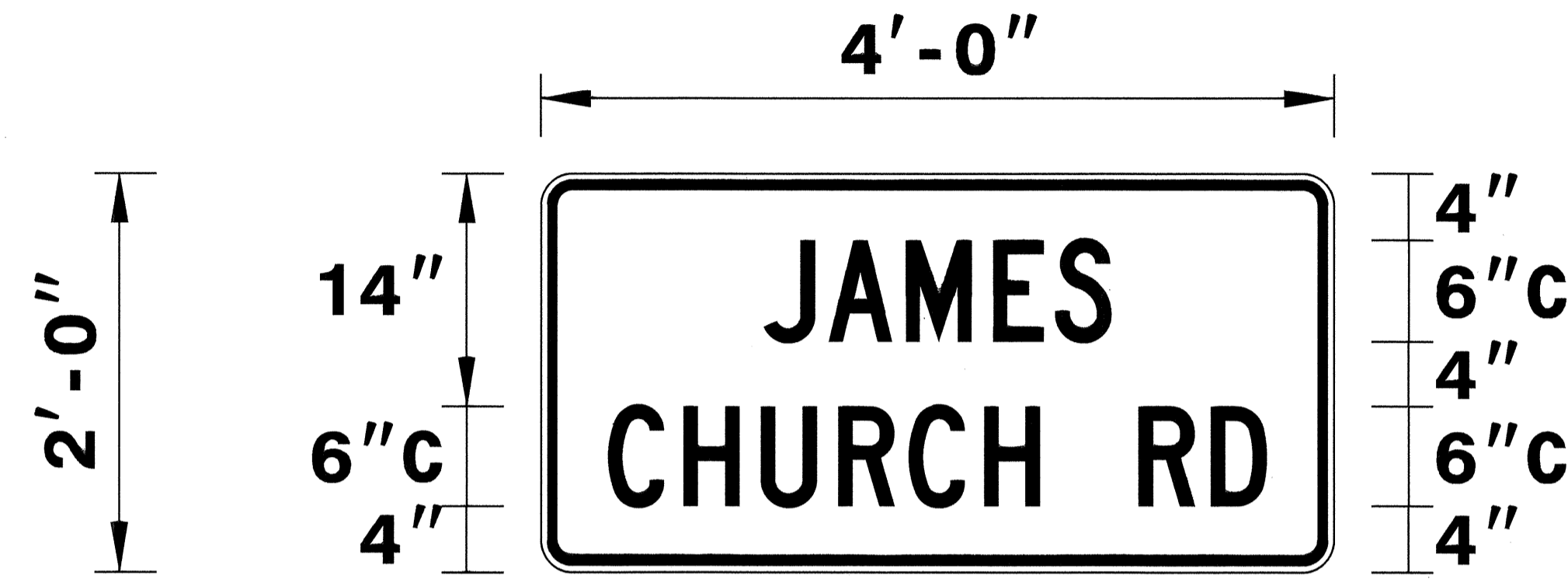
BORDER TYPE: INSET  
 RECESS: 0.38"  
 WIDTH: 0.63"  
 RADII: 1.5"

MAT'L: 0.080" (2.0 mm) ALUMINUM

NO. Z BARS:  
 LENGTH:

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be Type VII, VIII, or IX (prismatic) fluorescent orange retroreflective sheeting.



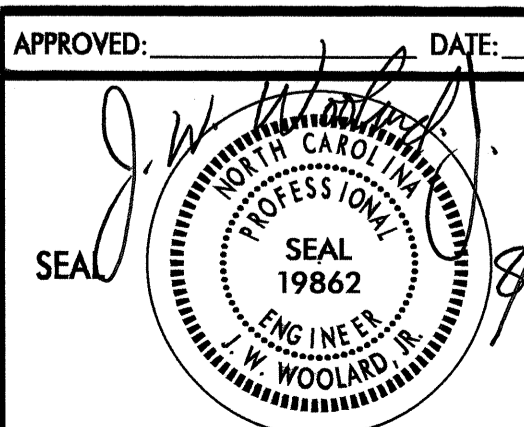
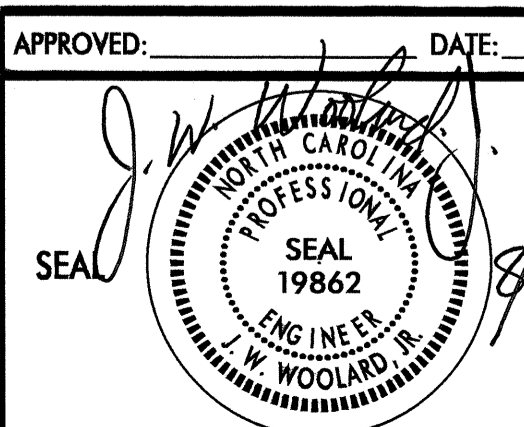
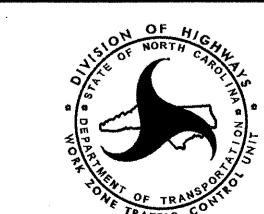
**BORDER**  
**R=1.5"**  
**TH=0.63"**  
**IN=0.38"**

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size
												Text Length
	J	A	M	E	S							C 2000
13.5	3.9	4.7	5.3	3.8	3.4	13.5						21
	C	H	U	R	C	H		R	D			C 2000
4.1	4.6	4.7	4.7	4.3	4.6	3.4	6	4.4	3.4	4.1		39.8

NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED: 	DATE: 2/30/10	<b>SPECIAL SIGN DESIGN</b>	
SEAL: 			
SCALE: NONE	DATE: 2/17/10		REVISIONS
DWG. BY: WRD			
DESIGN BY: WRD			
REVIEWED BY:			

# PHASING

STEP 1: - INSTALL OFF-SITE DETOUR ROUTE SIGN ASSEMBLIES FOR THE CLOSING OF SR 1880 (-L-). (SEE SHEET TCP-2)


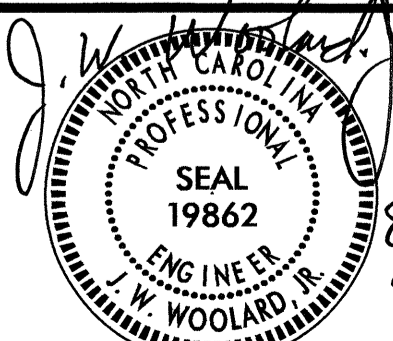
- USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 1 OF 9, CLOSE SR 1880 (-L-) TO THRU TRAFFIC AND SHIFT SR 1880 (-L-) TRAFFIC ONTO OFFSITE DETOUR.

STEP 2: - REMOVE EXISTING STRUCTURE AND CONSTRUCT PROPOSED STRUCTURE AND ROADWAY, UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE, AND PLACE FINAL PAVEMENT MARKINGS ON SR 1880 FROM STATION 11+00 +/- -L- TO STATION 16+45.00 +/- -L-. SEE CONSTRUCTION PLANS and FINAL PAVEMENT MARKING PLANS.

NOTE: MAINTAIN ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION.

STEP 3: - REMOVE ALL TRAFFIC CONTROL DEVICES, SIGNING AND DETOUR ROUTE SIGNING.

- OPEN SR 1880 TO FINAL TRAFFIC PATTERN.

APPROVED: _____	DATE: _____	
	8/30/10	

