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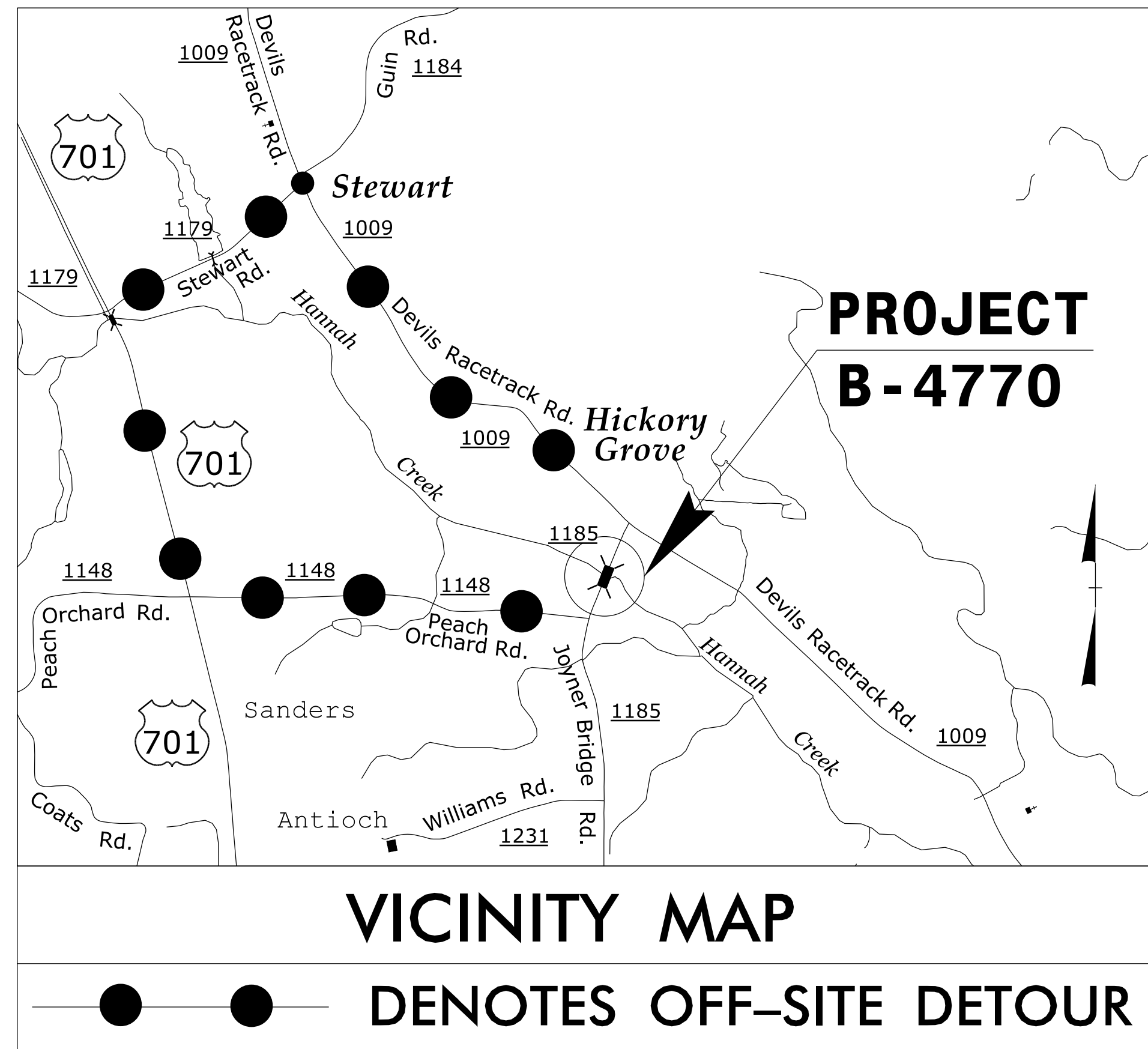
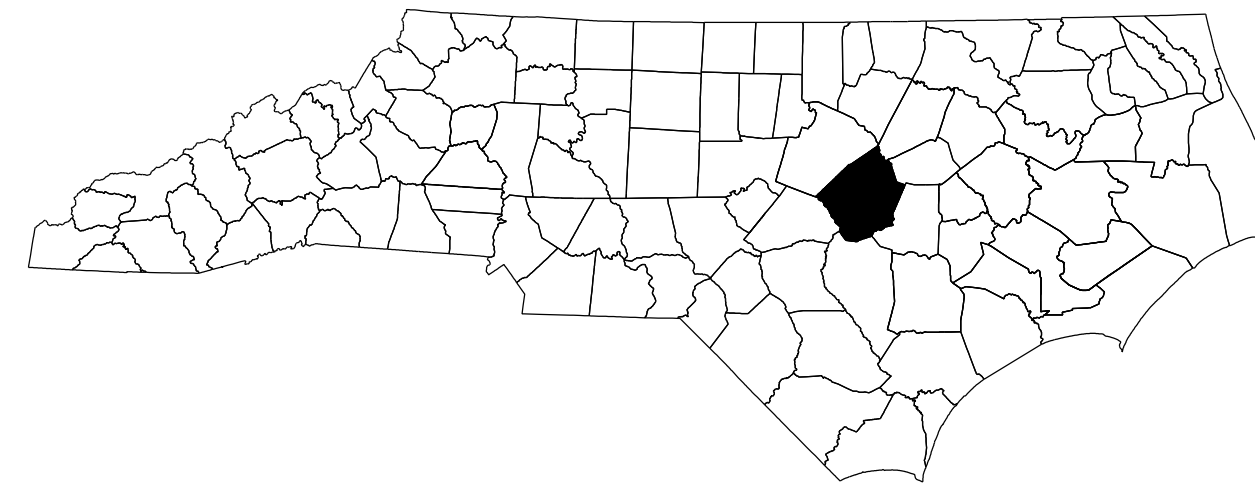
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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

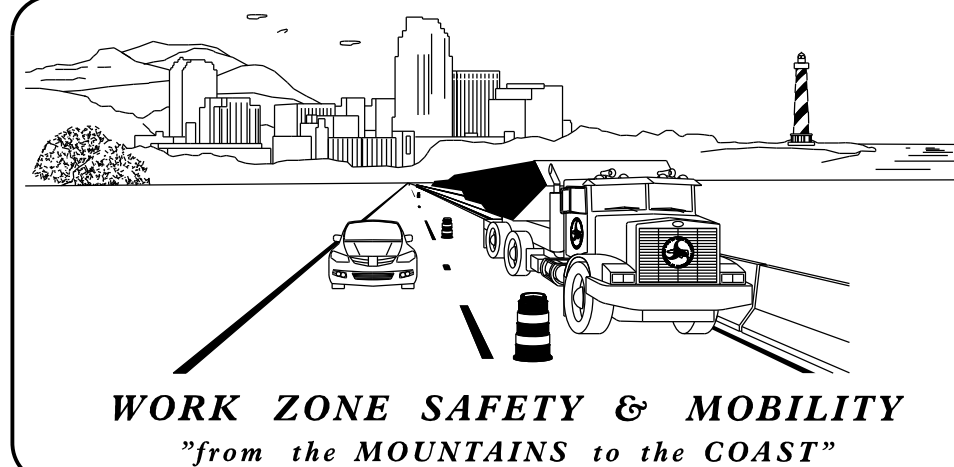
**TRANSPORTATION MANAGEMENT PLAN**

**JOHNSTON COUNTY**



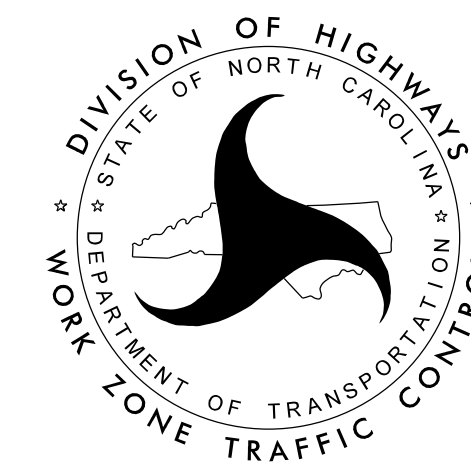
**LOCATION: BRIDGE NO. 32 OVER HANNAH CREEK  
ON SR 1185 (JOYNER BRIDGE RD)**

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEES #F-0326



**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

DR. J. HUMMER, P.E. STATE TRAFFIC MANAGEMENT ENGINEER  
J. STEVE KITE, P.E. TRAFFIC CONTROL PROJECT ENGINEER  
MATT SPRINGER, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
TRAFFIC CONTROL DESIGN ENGINEER



**INDEX OF SHEETS**

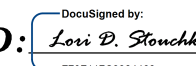
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, GENERAL NOTES, AND PHASING
TMP-2	SPECIAL SIGN DESIGN
TMP-3	TEMPORARY TRAFFIC CONTROL - OFF-SITE DETOUR AND DETOUR SIGNS

SHEET NO.

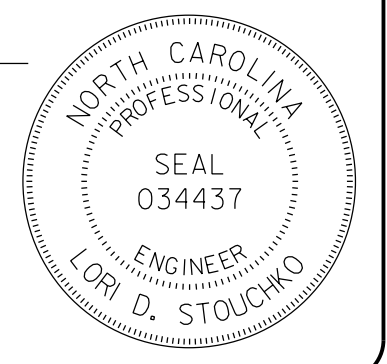
TMP-1

4/12/2017 0:21:10 Transportation\Traffic\Curr\NCDOT 10 Bridges TMP\00053578 - B-4770 TMP Bridge Replace 578\Traffic\TrafficControl\TCP\B-4770 TCP 01.dgn User:STJ07940

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UNLESS ALL SIGNATURES COMPLETED**

APPROVED:   
DATE: 4/12/2017

SEAL



**TIP PROJECT: B-4770**

## 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 JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.03	TEMPORARY ROAD CLOSURES
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.
- TEMP. SHORING (LOCATION PURPOSES ONLY)
- 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 BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

### TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

## 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) INSTALL ADVANCED WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

- C) 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 ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

- D) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED FOR THE OFF-SITE DETOUR WHEN THE 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 ROAD.

#### PAVEMENT MARKINGS AND MARKERS

- G) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- H) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS.

## PHASING

STEP 1: INSTALL ALL DETOUR SIGNING, KEEPING SIGNS COVERED PRIOR TO CLOSING SR 1185 TO TRAFFIC. (SEE SHEET TMP-3)

STEP 2: USING ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9, CLOSE SR 1185 TO TRAFFIC, UNCOVER ALL DETOUR SIGNING AND SHIFT TRAFFIC TO DETOUR (SEE SHEET TMP-3).

STEP 3: DISMANTLE AND REMOVE EXISTING BRIDGE

STEP 4: COMPLETE CONSTRUCTION OF PROPOSED STRUCTURE, APPROACH ROADWAY TIE-INS AND ASSOCIATED ITEMS INCLUDING FINAL PAVEMENT MARKINGS AND MARKERS.

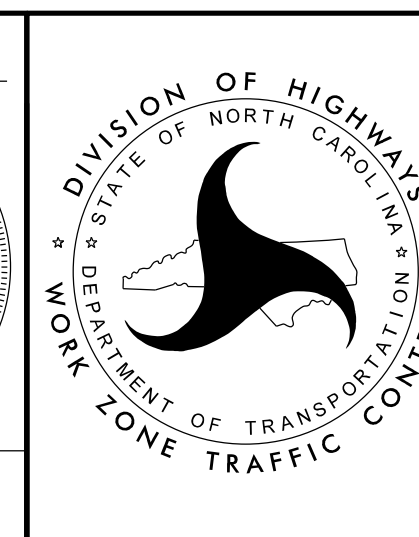
STEP 5: REMOVE ALL DETOUR SIGNING, ALL TEMPORARY TRAFFIC CONTROL DEVICES AND OPEN SR 1185 TO TRAFFIC.

4/12/2017 09:10:00 AM User: S10U7940

APPROVED: DATE: 4/12/2017

NORTH CAROLINA PROFESSIONAL ENGINEER  
 LORI D. STOUCO

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**ROADWAY STANDARD DRAWINGS, LEGEND, GENERAL NOTES AND PHASING**

<p><b>SIGN NUMBER:</b> SP1 <b>TYPE:</b> STATIONARY <b>QUANTITY:</b> SEE PLANS</p> <p><b>SIGN WIDTH:</b> 3'-0" <b>HEIGHT:</b> 1'-6" <b>TOTAL AREA:</b> 4.5 Sq.Ft.</p> <p><b>BORDER TYPE:</b> INSET <b>RECESS:</b> 0.38" <b>WIDTH:</b> 0.5" <b>RADII:</b> 1.5"</p> <p><b>NO. Z BARS:</b> <b>LENGTH:</b></p>	<p><b>BACKG COLOR:</b> Fluorescent Orange <b>COPY COLOR:</b> Black</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p><b>MAT'L:</b> 0.080" (2.0 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT																																				<p><b>DESIGN BY:</b> LD Stouchko <b>PROJECT ID:</b> B-4770</p> <p><b>CHECKED BY:</b> <b>LOCATION:</b> Johnston County</p> <p style="text-align: right;"><b>Jan 23, 2017</b> <b>DIV: 4</b></p>	
SYMBOL	X	Y	WID	HT																																							

BORDER  
R=1.5"  
TH=0.5"  
IN=0.38"

Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter locations are panel edge to lower left corner

Letter locations are panel edge to lower left corner											Series/Size
J	O	Y	N	E	R						Text Length
7.5	11	14.6	18.5	22.4	25.8						C 2000 21.1
B	R	I	D	G	E		R	D			Text Length
2.7	6.4	10	11.8	15.5	19.3	21.9	26.9	30.5			C 2000 30.7

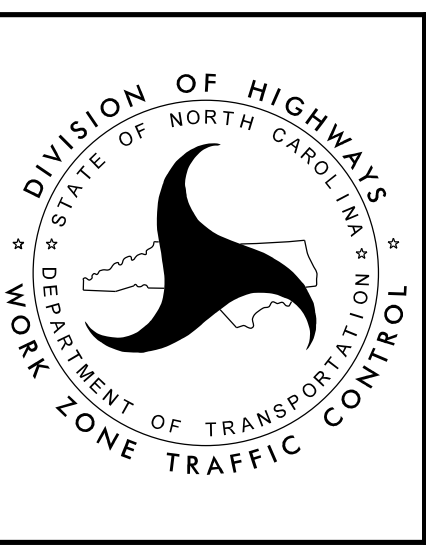
NORTH CAROLINA D.O.T. SIGN DETAIL

3/31/2017 10:40 AM C:\Users\stouchko\Documents\Projects\Traffic\TrafficControl\TCP-IB-4770 TCP 02.dgn User:STOUCHKO

APPROVED:   
DATE: 4/12/2017

NORTH CAROLINA  
PROFESSIONAL  
SEAL  
034437  
ENGINEER  
LORI D. STOUCHKO

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SPECIAL SIGN  
DESIGN  
SR 1185  
(JOYNER BRIDGE ROAD)



 W20-3 48" X 48" 1	 W20-2 48" X 48" 2	 W20-3 48" X 48" 3	 W20-3 48" X 48" 4
 SP-4L 42" X 12" 5		 SP-4R 42" X 12" 6	
 W20-3 48" X 48" 7	 R11-4 60" x 30" M4-10L 48" x 18" TYPE III BARRICADE 8	 R11-4 60" x 30" M4-10R 48" x 18" TYPE III BARRICADE 9	
 R11-2 48" x 30" TYPE III BARRICADE 10			
 M4-8 A 24" X 18" A	 M4-8 24" X 12" B	 M4-8 24" X 12" C	
		 M6-1 21" X 15" C	

DETOUR ROUTE ●—●—●—●—●

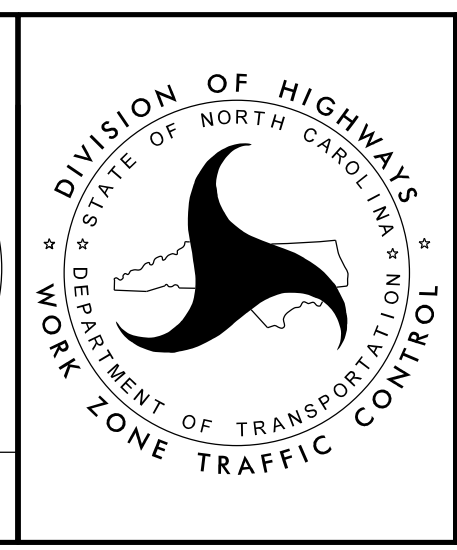
SEE RSD 1101.03, SHEET 1 OF 9,  
FOR ADDITIONAL INFORMATION  
ON SIGN LOCATIONS AND NOTES.

3/31/2017 10:10:00 AM C:\Users\stou1940\Documents\Transportation\Traffic\Curr\NCDOT 10 Bridges\TMP\00053578 - B-4770 TMP Bridge Replace 578\Traffic\TrafficControl\TCP\B-4770 TCP 03.dgn User:STOU1940

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBES #F-0326

APPROVED: *Lois D. Stouchko*  
DATE: 4/12/2017

**LOIS D. STOUCHKO**  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 034437



**OFF-SITE DETOUR  
AND DETOUR SIGNS  
SR 1185  
(JOYNER BRIDGE)**