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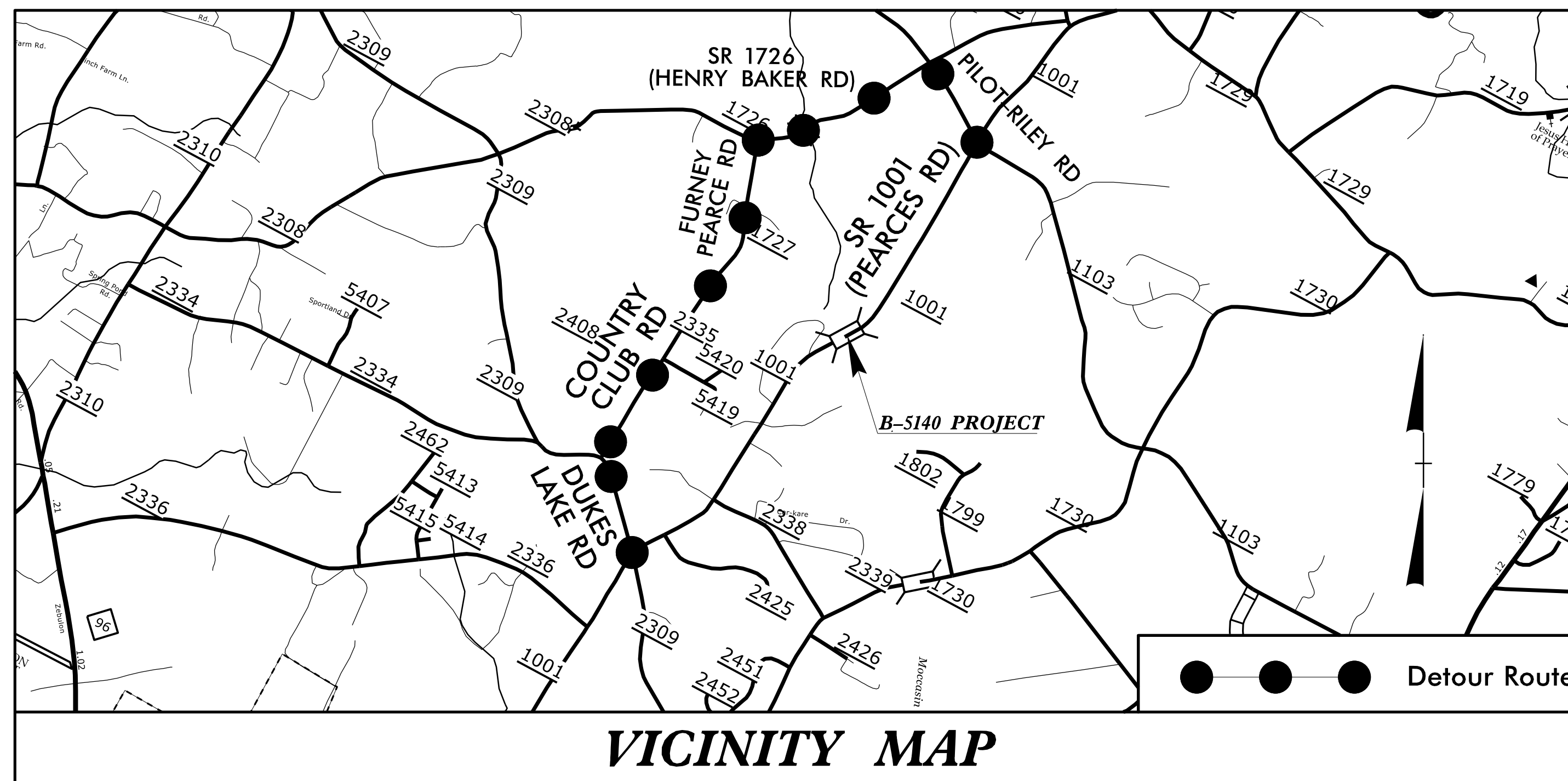
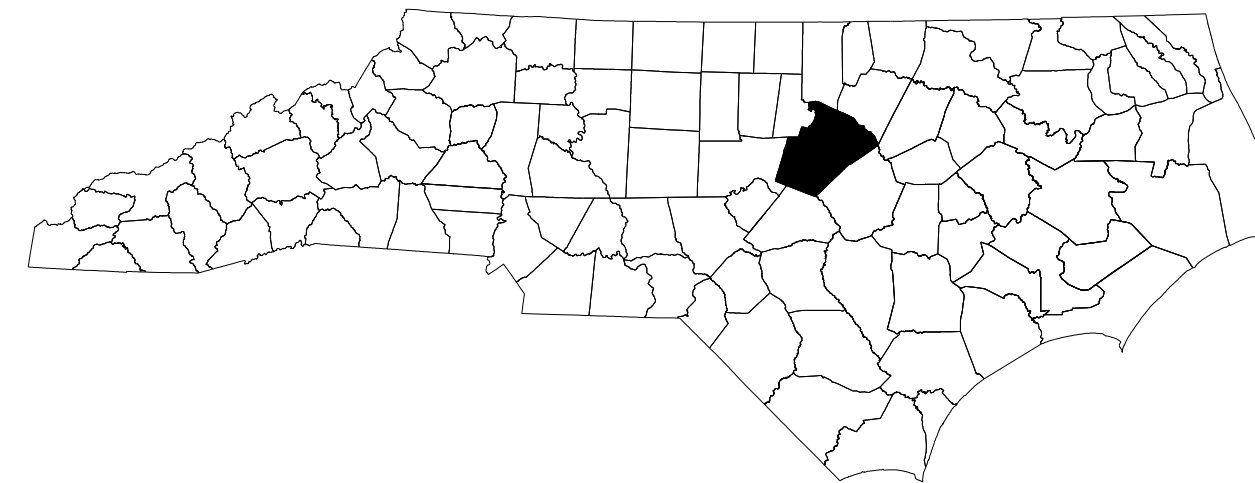
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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**WAKE COUNTY**

**BRIDGE NO. 195 OVER MOCASSIN CREEK ON SR 1001 (PEARCES ROAD)**



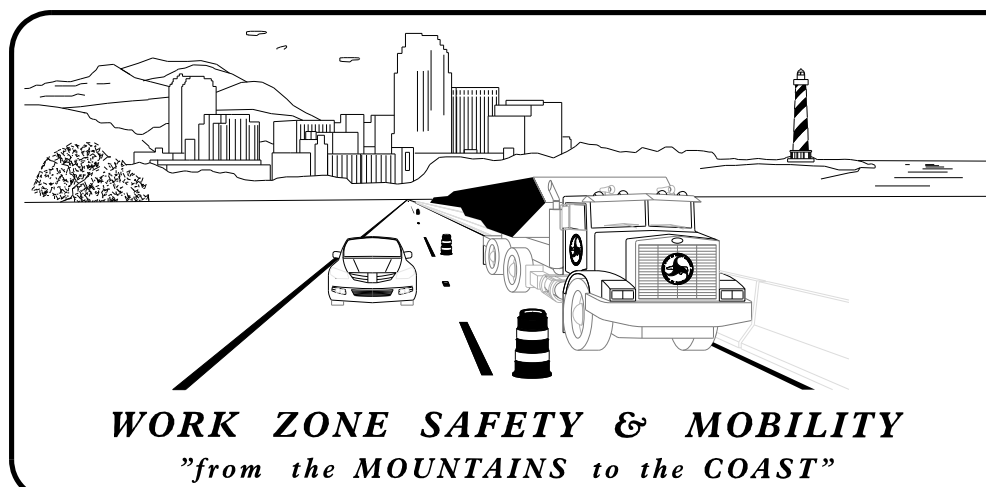
**INDEX OF SHEETS**

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-2	ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-3	GENERAL NOTES, PHASING
TMP-4	DETOUR SIGNING
TMP-5	SPECIAL SIGN DESIGN

SHEET NO.  
TMP-1

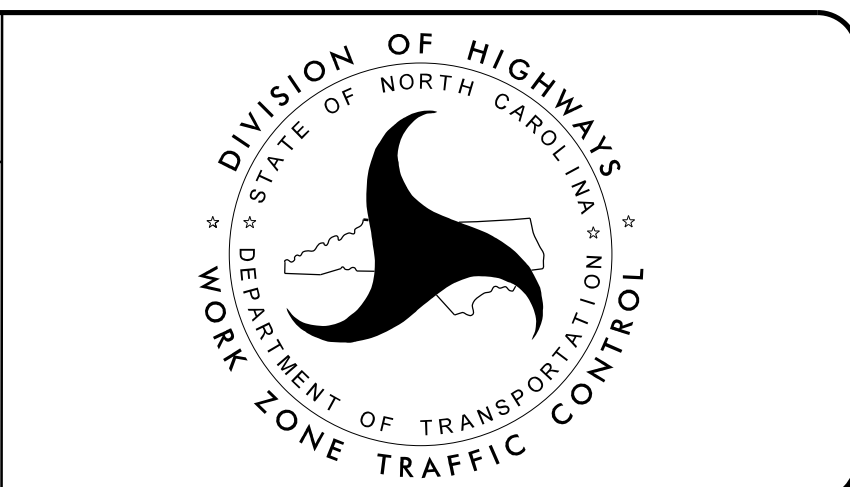
**TIP PROJECT: B-5140**

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



**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) 814-5000 FAX: (919) 771-2745

JOSEPH HUMMER, P.E. STATE TRAFFIC MANAGEMENT ENGINEER  
VACANT TRAFFIC CONTROL PROJECT ENGINEER  
SAMUEL COLEMAN, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
D. RICHARDSON TRAFFIC CONTROL DESIGN ENGINEER



Prepared in the Office of:

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NC License No. C-0910

APPROVED: William J. Hamilton  
DATE: 2/22/2018

SEAL

2/20/2018  
User: tpobelkg




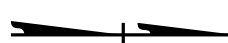


# ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.03	TEMPORARY ROAD CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1130.01	DRUM
1150.01	FLAGGING DEVICES
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

# LEGEND

## GENERAL


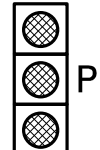

-  DIRECTION OF TRAFFIC FLOW
-  DIRECTION OF PEDESTRIAN TRAFFIC FLOW
-  EXIST. PVMT.
-  NORTH ARROW
-  PROPOSED PVMT.
-  TEMP. SHORING (LOCATION PURPOSES ONLY)

 WORK AREA

 REMOVAL

 WEDGING








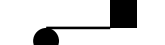
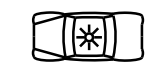

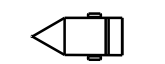
## SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY




## PAVEMENT MARKINGS

-  EXISTING LINES
-  TEMPORARY LINES


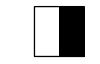

## TRAFFIC CONTROL DEVICES

-  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

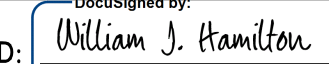
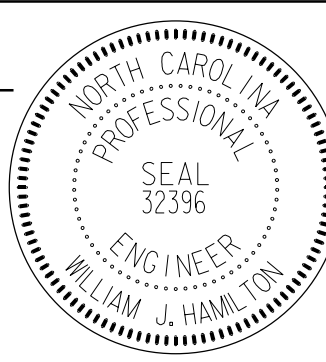
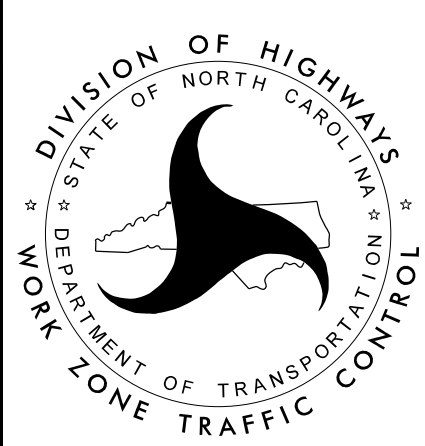
## PAVEMENT MARKERS

-  CRYSTAL/CRYSTAL
-  CRYSTAL/RED
-  YELLOW/YELLOW

## PAVEMENT MARKING SYMBOLS

-  PAVEMENT MARKING SYMBOLS

2/20/2018  
User: tpobelkg

APPROVED:  DATE: 2/22/2018	SEAL 		<h2 style="margin: 0;">ROADWAY STANDARD DRAWINGS &amp; LEGEND</h2>
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			

## MANAGEMENT STRATEGIES

- CONSTRUCT PROPOSED BRIDGE AND NEW APPROACHES USING TEMPORARY SIGNING AND OFFSITE DETOUR
- REMOVE OLD STRUCTURE
- SHIFT TRAFFIC TO NEW ALIGNMENT

## LOCAL NOTES

NOTIFY WAKE COUNTY SCHOOLS (919-857-9572) AND FRANKLIN COUNTY SCHOOLS (919-496-2600) AT LEAST ONE MONTH PRIOR TO CLOSURE.

NOTIFY WAKE EMERGENCY SERVICES (919-856-6020) AND FRANKLIN COUNTY EMERGENCY SERVICES (919-496-5005) AT LEAST ONE MONTH PRIOR TO CLOSURE.

## GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWING, 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 ONE MONTH PRIOR TO ANY TRAFFIC PATTERN ALTERATION SIGNING.

### 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.

- 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.

- I) PASSING ZONE WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.

## PHASING

### STEP 1

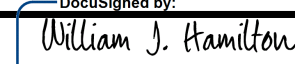
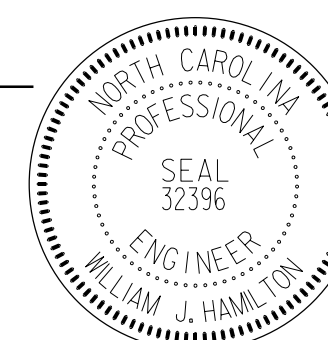
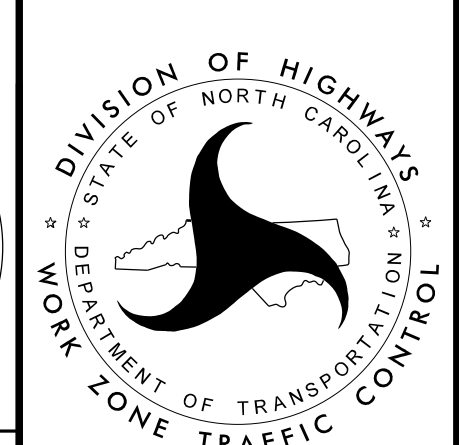
PRIOR TO ANY CONSTRUCTION OPERATIONS, PLACE AND COVER OFF-SITE DETOUR SIGNING AS SHOWN ON TMP-4 AND IN ACCORDANCE WITH RSD 1101.03 (SHEET 1 OF 9). PLACE CHANGEABLE MESSAGE SIGN (CMS) SEVEN (7) DAYS PRIOR TO ROAD CLOSURE.

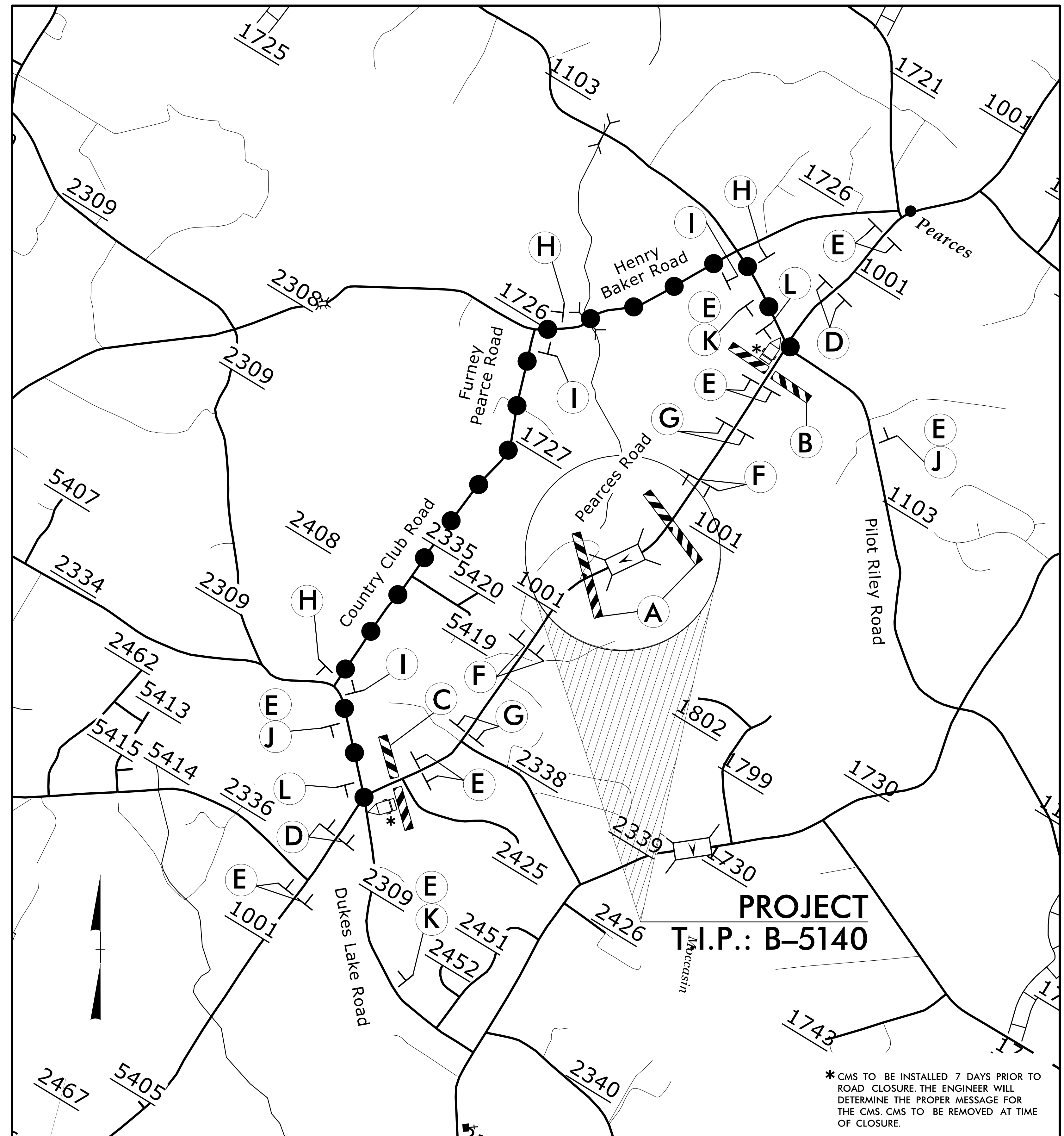
### STEP 2

USING RSD 1101.03 SHEET 1 OF 9, UNCOVER DETOUR SIGNS, CLOSE -L- (SR 1001) TO TRAFFIC AND CONSTRUCT BRIDGE AND ROADWAY UP TO AND INCLUDING FINAL LAYER OF SURFACE COURSE. REMOVE CHANGEABLE MESSAGE SIGN (CMS) AT TIME OF CLOSURE.

### STEP 3

UPON COMPLETION OF BRIDGE AND ROADWAY, PLACE FINAL PAVEMENT MARKING IN ACCORDANCE WITH RSD 1205.02 AND 1205.12. REMOVE BARRICADES AND DETOUR SIGNS AND OPEN -L- (SR 1001) TO TRAFFIC.

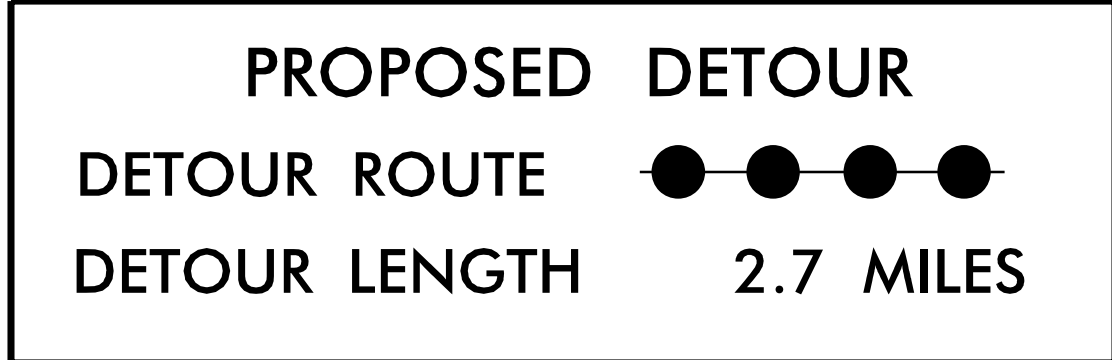
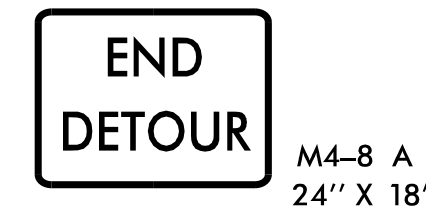
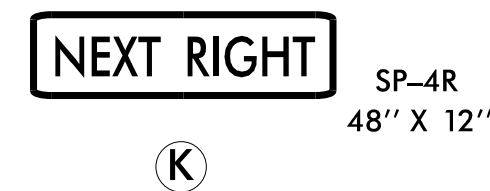
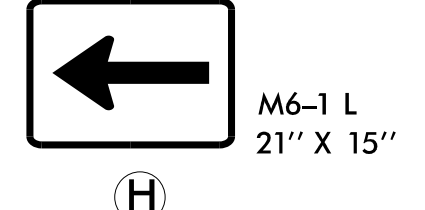
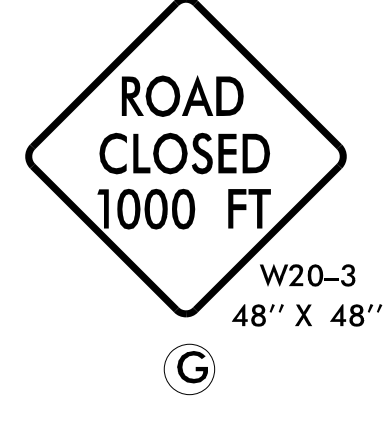
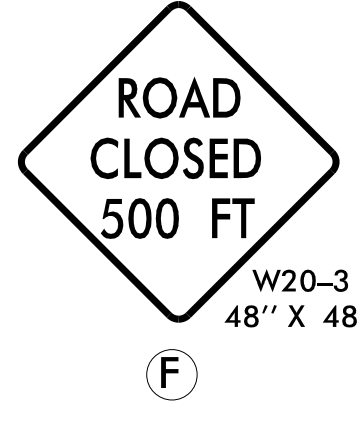
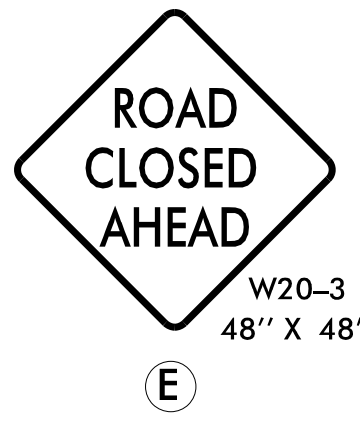
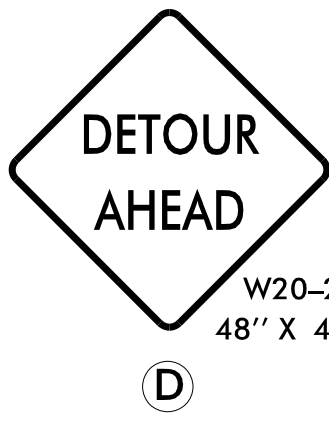
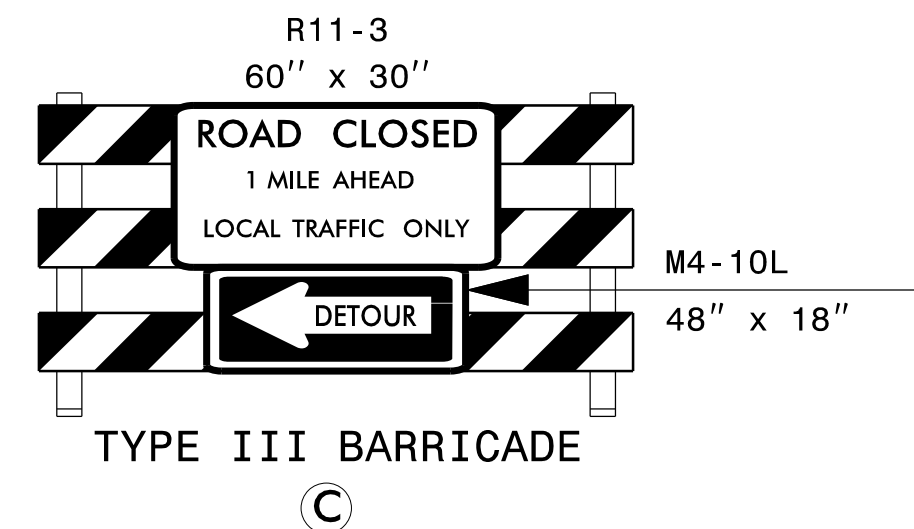
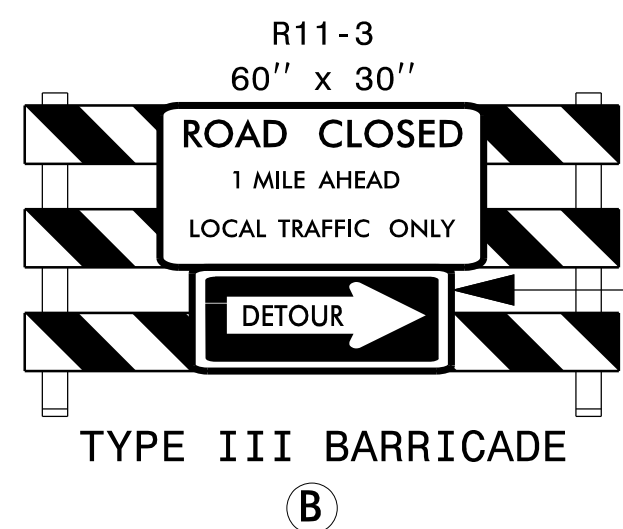
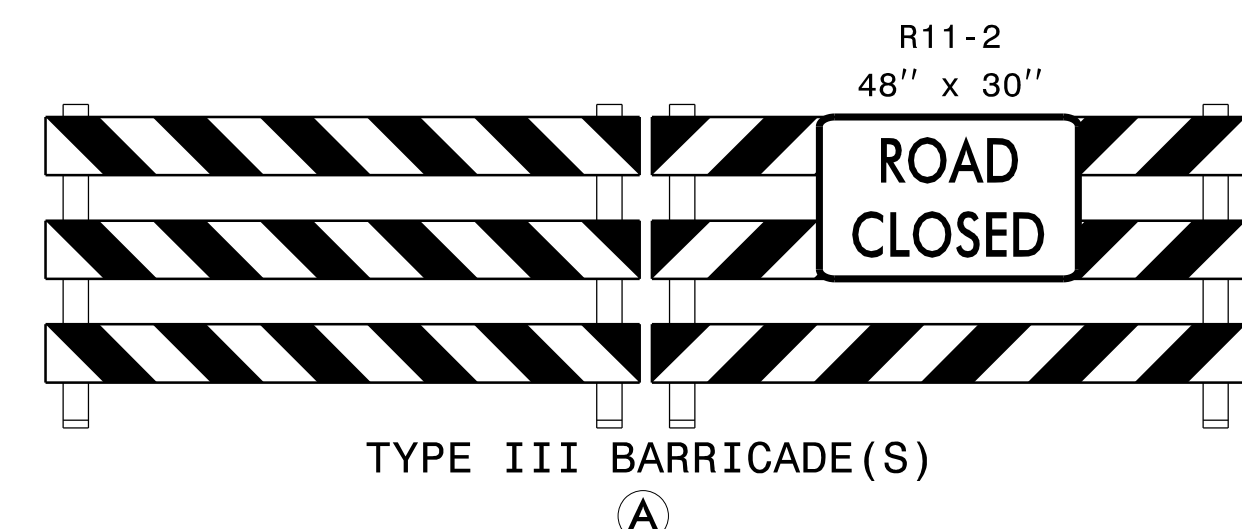
APPROVED:  DATE: 2/22/2018  SEAL			<h1 style="margin: 0;">GENERAL NOTES AND PHASING</h1>
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			



**PROJECT**  
**T.I.P.: B-5140**

\*CMS TO BE INSTALLED 7 DAYS PRIOR TO ROAD CLOSURE. THE ENGINEER WILL DETERMINE THE PROPER MESSAGE FOR THE CMS. CMS TO BE REMOVED AT TIME OF CLOSURE.

SEE RSD 1101.03, SHEET 1 OF 9, FOR SIGN SPACING AND ADDITIONAL NOTES.



APPROVED: *William J. Hamilton*  
 DATE: 2/22/2018

SEAL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

**DETOUR SIGNING**

PROJ. REFERENCE NO.	SHEET NO.
B-5140	TMP-5

**RAMEY KEMP ASSOCIATES, INC.**  
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 5808 Farmington Place, Suite 100  
 Raleigh, North Carolina 27609  
 919-872-5115 Tel. 919-878-5416 Fax.  
 www.rameykemp.com  
 NC License No. C-0910

SIGN NUMBER: SD-1	BACKG COLOR: Orange	DESIGN BY: NE BURNS	CHECKED BY: WJ HAMILTON	Apr 24, 2017
TYPE: D	COPY COLOR: Black	PROJECT ID: B-5140	LOCATION: WAKE COUNTY	DIV: 5
QUANTITY: 1				
SIGN WIDTH: 3'-6"				
HEIGHT: 2'-0"				
TOTAL AREA: 7.0 Sq.Ft.				
BORDER TYPE: FLUSH				
RECESS: 0.625"				
WIDTH: 0.75"				
RADII: 3"				
NO. Z BARS:	MAT'L: 0.125" (3.2 mm) ALUMINUM			
LENGTH:				

SYMBOL	X	Y	WID	HT

USE NOTES: 1 & 2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter										Series/Size	
										Text Length	
	P	E	A	R	C	E	S				C 2000
6.6	4.6	3.6	4.7	4.3	4.6	3.8	3.4	6.6			28.8
	R	O	A	D							C 2000
12.7	4.3	4.3	4.7	3.4	12.7						16.6

FILENAME: Pearces\_SD-1

NORTH CAROLINA D.O.T. SIGN DETAIL

2/20/2018  
 User: tpobelka

APPROVED: <u>William J. Hamilton</u> DATE: 2/22/2018 SEAL 		<p><b>SPECIAL SIGN DESIGN</b></p>
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