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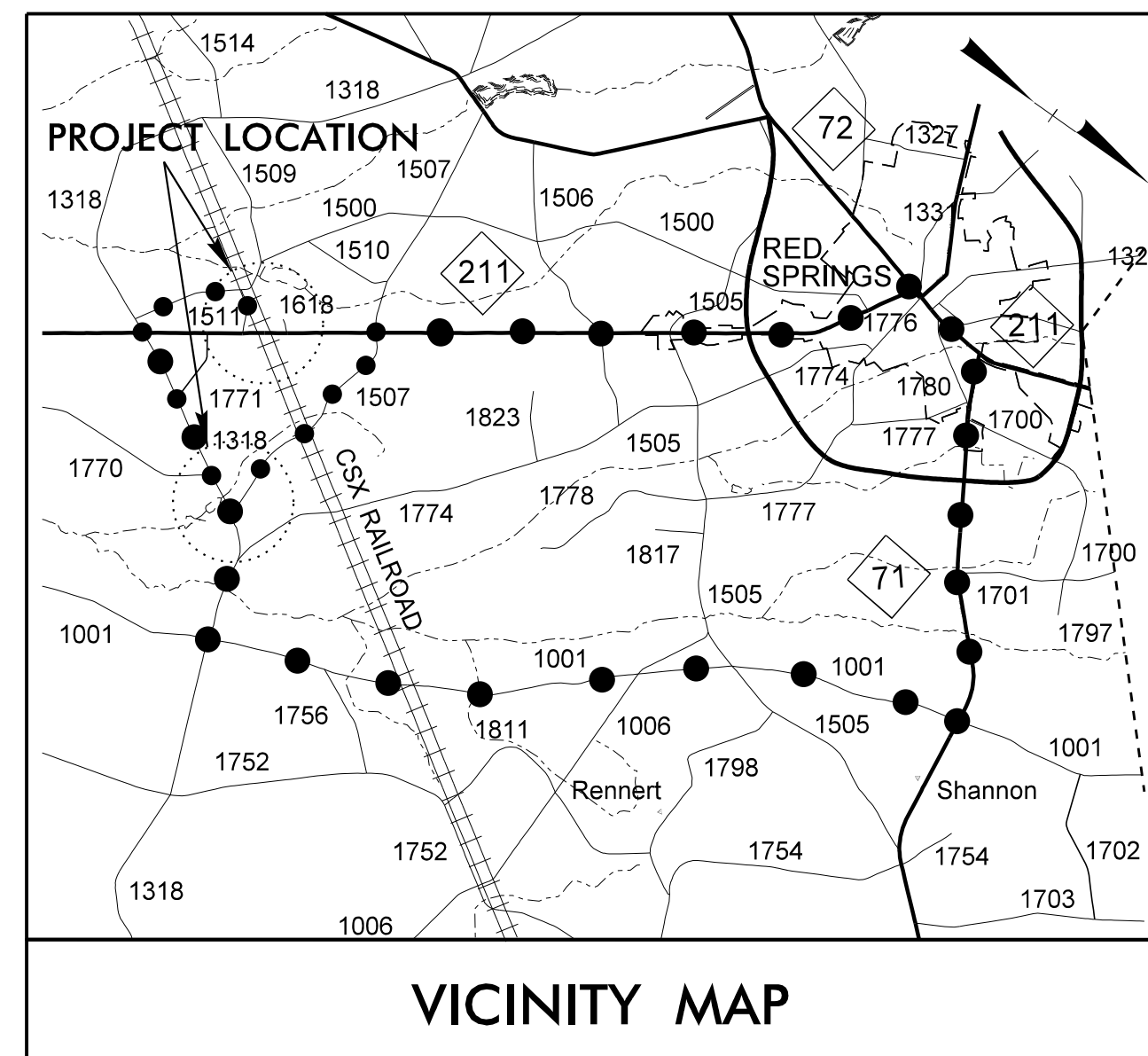
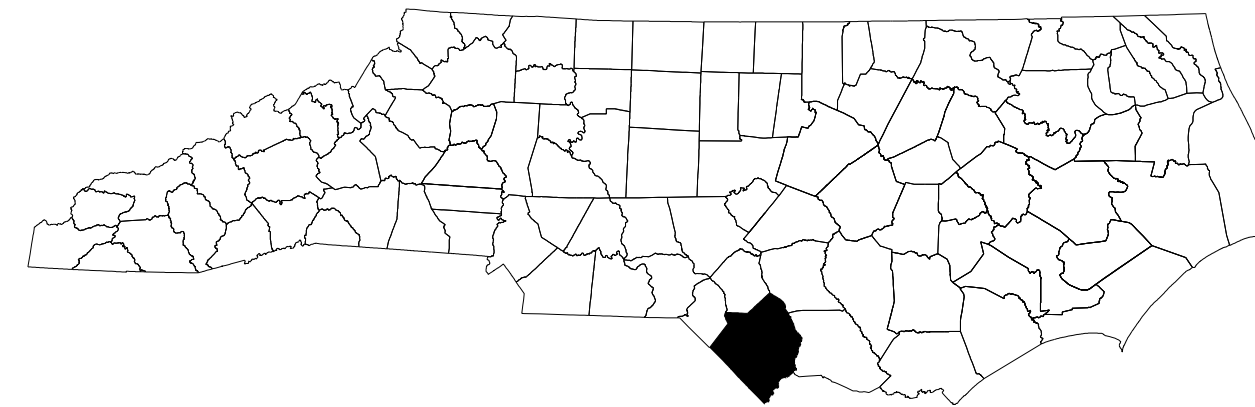
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

ROBESON COUNTY



LOCATION: BRIDGE NO.18 ON NC 211 OVER CSX RAILROAD

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B	GENERAL NOTES AND PHASING
TMP-2	SPECIAL SIGN DESIGN(S)
TMP-3 THRU TMP-6	TEMPORARY TRAFFIC CONTROL PHASE I DETAILS
TMP-7 THRU TMP-8	TEMPORARY TRAFFIC CONTROL PHASE II DETAILS
TMP-9 THRU TMP-10	TEMPORARY TRAFFIC CONTROL DETOUR DETAILS

SHEET NO.
TMP-1

B-4616

TIP PROJECT:

**DOCUMENT NOT CONSIDERED FINAL
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APPROVED: *Steve Kite*

DATE: 3/27/2017

SEAL



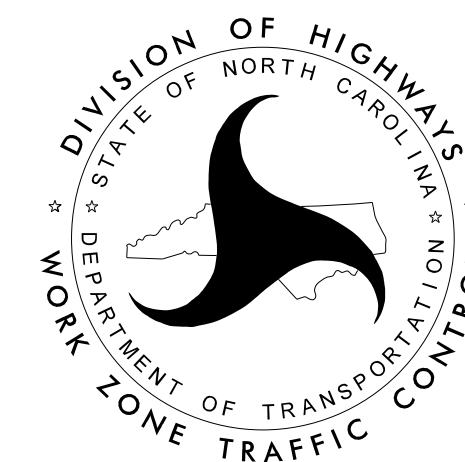
N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
PHONE: (919) 773-2800 FAX: (919) 771-2745

STATE TRAFFIC MANAGEMENT ENGINEER

J. S. KITE, P.E. TRAFFIC CONTROL PROJECT ENGINEER

M. V. SPRINGER, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER

S GREEN/S JENNINGS TRAFFIC CONTROL DESIGN ENGINEER







ROADWAY STANDARD DRAWINGS


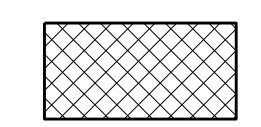

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER 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
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS

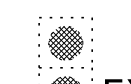
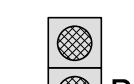

LEGEND

GENERAL

-  DIRECTION OF TRAFFIC FLOW
-  EXIST. PVMT.
-  NORTH ARROW
-  PROPOSED PVMT.

-  WORK AREA
-  REMOVAL
-  ON-GOING CONSTRUCTION

SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY

PAVEMENT MARKINGS

-  EXISTING LINES
-  TEMPORARY LINES

TEMPORARY PAVEMENT MARKING







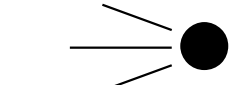


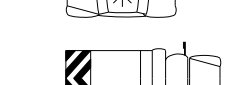
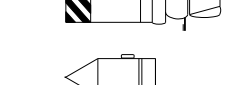
- 4" PAINT
- PA WHITE EDGELINE
 - PE WHITE LANE LINE
 - PD WHITE MINI SKIP
 - PI YELLOW DOUBLE CENTER

- 8" PAINT
- PP YELLOW DIAGONAL


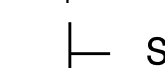
- 24" PAINT
- P2 WHITE STOPBAR

- PAINT SYMBOLS
- QA LEFT TURN ARROW
 - QC STRAIGHT ARROW
 - QE COMBINATION STRAIGHT/RIGHT ARROW

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

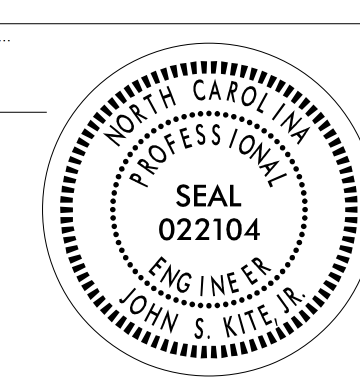
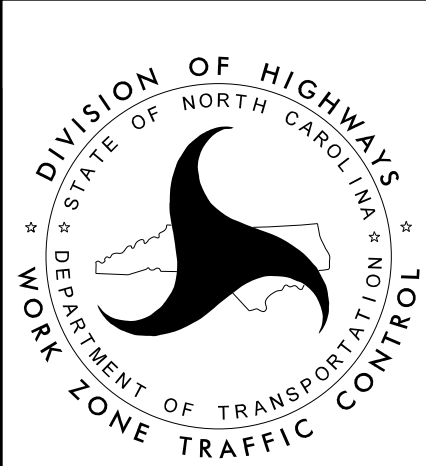
-  PORTABLE SIGN
-  STATIONARY SIGN

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

-  PAVEMENT MARKING SYMBOLS

APPROVED: <i>Stew Kite</i> <small>E27C30E10FC442</small>			ROADWAY STANDARD DRAWINGS & LEGEND
DATE: 3/27/2017	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

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.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- A) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

TRAFFIC PATTERN ALTERATIONS

- B) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- C) INSTALL ADVANCE 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.
- D) 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.

- E) 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.
- F) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- G) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- H) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

- I) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	NONE

- J) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

- K) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

- L) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

PHASING

PHASE I

- STEP 1: - USING ROADWAY STANDARD DRAWING NO. 1101.01, SHEET 2 OF 15, INSTALL ADVANCE WORK ZONE SIGNS.

- STEP 2: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 15, CONTRACTOR SHALL PERFORM THE FOLLOWING:

- WIDEN, MILL AND/OR RESURFACE MCQUEEN RD (-Y3-, SR 1318) AND LEWIS MCNEIL RD (-Y4-, SR 1507). (SEE CONSTRUCTION PLANS AND TMP-3).
- CONSTRUCT CONCRETE MONOLITHIC ISLAND AT THE INTERSECTION OF LEWIS MCNEIL RD (-Y4-, SR 1507) AND MCQUEEN RD (-Y3-, SR 1318). (SEE CONSTRUCTION PLANS AND TMP-4).
- PLACE FINAL PAVEMENT MARKINGS AND SHIFT TRAFFIC TO FINAL PATTERN. (SEE CONSTRUCTION PLANS AND FINAL PAVMENT MARKING PLANS.)

PHASE II

- STEP 1: - INSTALL OFF-SITE DETOUR SIGN ASSEMBLIES FOR THE CLOSING OF NC 211 (-L-).

- USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 1 OF 9, CLOSE NC 211 (-L-) TO THRU TRAFFIC. (SEE SHEETS TMP-5, 6, 9 AND 10).

NOTE: INSTALL ADDITIONAL TYPE III BARRICADES AT STATION 11+20 +/- -DRV1-, STATION 11+50 +/- -DRV2- AND STATION 21+00 +/- -Y- TO CLOSE DRIVEWAYS AND PORTION OF FORD RD (-Y-, SR 1511) DURING CONSTRUCTION.

NOTE: UTILIZE DRUMS TO MAINTAIN ACCESS TO EXISTING CHURCH DRIVEWAY AT STATION 20+75 +/- -L-

- STEP 2: - BEGIN BRIDGE CONSTRUCTION AND APPROACHES FROM STA. 21+00 +/- TO STA. 40+75 +/- . (SEE TMP-5 AND 6)

- STEP 3: - CONSTRUCT INTERSECTION OF NC 211 (-L-) / FORD RD (-Y-, SR 1511) AND -DRV1-, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN, AND OPEN FORD RD (-Y-, SR 1511). (SEE SHEET TMP-5 AND TMP-7).

NOTE: UTILIZE ADDITIONAL TYPE III BARRICADES AT STATION STATION 22+15 +/- -L- AND STATION 23+15 +/- -L-, TO MAINTAIN CLOSURE OF NC 211 (-L-) DURING CONSTRUCTION.

NOTE: CONSTRUCT -DRV2- UP TO THE FINAL ELEVATION WITH ABC.

- CONSTRUCT -DVR3-, -DRV4-, -DRV5-, -DRV4 DETOUR- AND -Y2DET- UP TO THE FINAL ELEVATION WITH ABC, SHIFT BARRICADE TO CLOSE NC 211 (-L-) AT STATION 43+62 +/- -L- AND SHIFT TRAFFIC TO PROPOSED PATTERN. (SEE SHEET TMP-6).

NOTE: PLACE ADDITIONAL TYPE III BARRICADES AT STATION 13+50 +/- Y2- TO MAINTAIN CLOSURE OF SHORT RD (-Y2-, SR 1618) DURING CONSTRUCTION.

- STEP 4: - COMPLETE BRIDGE CONSTRUCTION AND APPROACHES FROM STA. 21+00 +/- TO STA. 40+75 +/-, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, PLACE TEMPORARY PAVEMENT MARKINGS AND OPEN TO FINAL TRAFFIC PATTERN.

- REMOVE DETOUR SIGNS AND ASSEMBLIES.

- STEP 5: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 15:

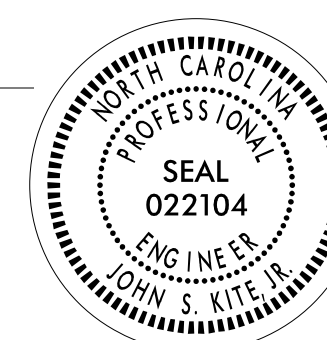
- COMPLETE REMAINING CONSTRUCTION OF -DRV4- AND REMOVAL OF -Y2DET- AND -DRV4 DETOUR-.

- PLACE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS.

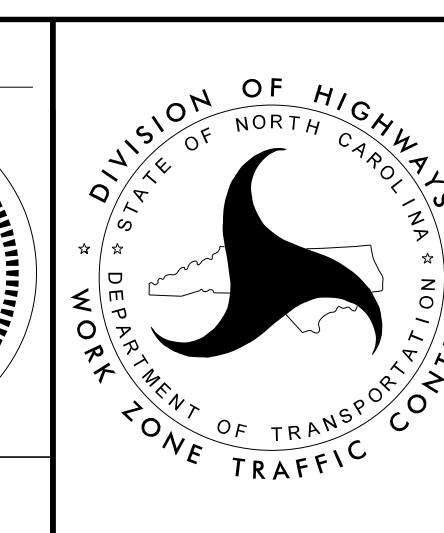
- REMOVE ALL WORK ZONE SIGNS AND ASSEMBLIES.

APPROVED: *Steve Kite*
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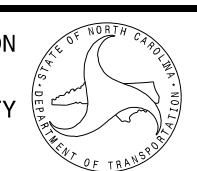
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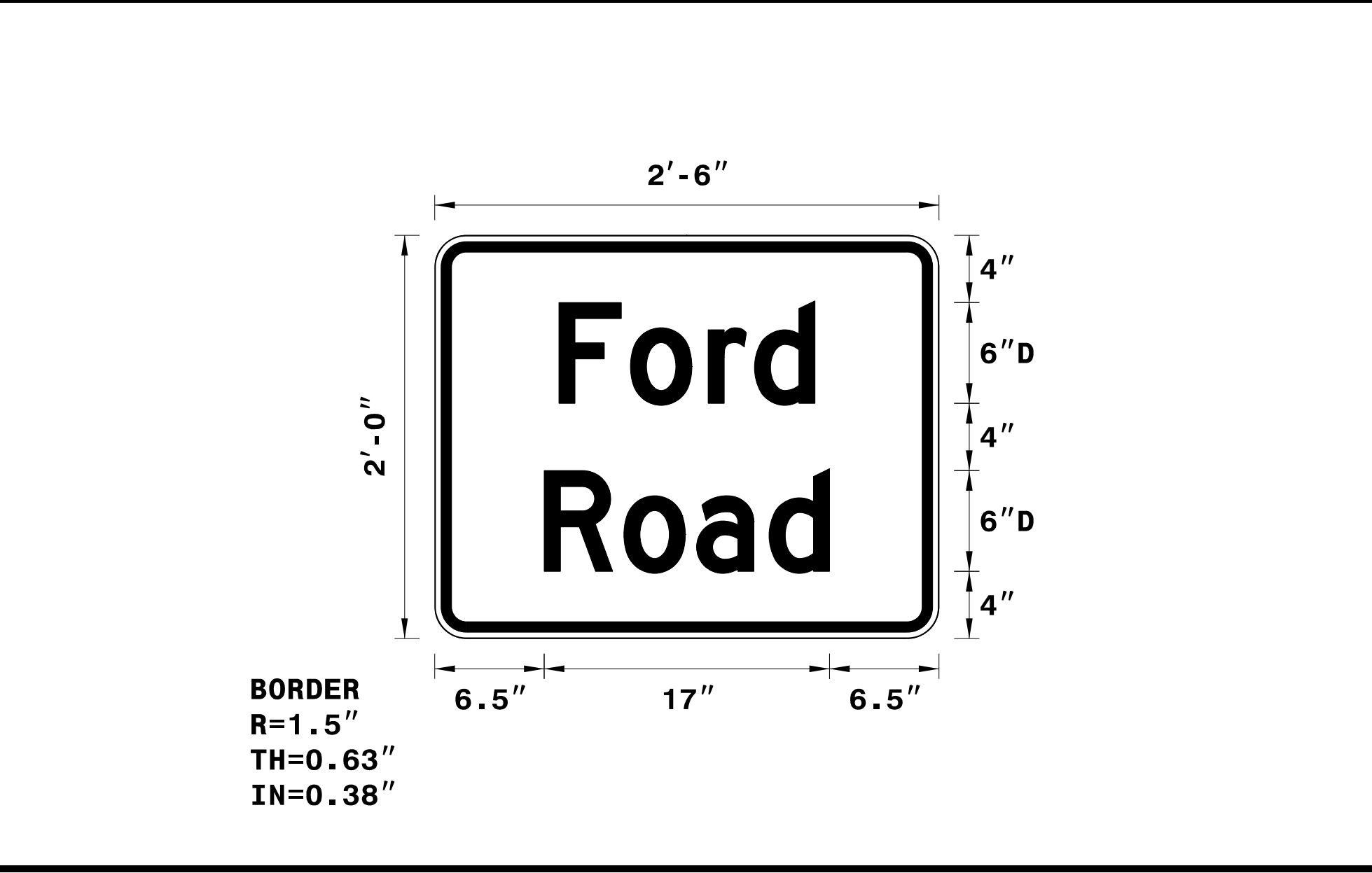

 SEAL
 022104
 ENGINEER
 JOHN S. KITE, II
 NORTH CAROLINA

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GENERAL NOTES
AND PHASING

<p>Sign Number: SP16178 Type: D Ground Quantity:</p> <p>Sign Width: 2'-6" Height: 2'-0" Total Area: 5.0 Sq.Ft.</p> <p>Border Type: Recessed Recess: 0.38" Width: 0.63" Radii: 1.5"</p>	<p>Design By: DME Project ID: B-4616</p> <p>Background Color: Fluorescent Orange Legend & Border Color: Black</p> <p>Backing Material: 0.125 in. Aluminum 0.079 in. Composite</p>	<p>Checked By: AIA Location: Robeson Co.</p>	<p>Date: Jul 25, 2016 Division: 06</p>	<p>N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY SIGNING AND DELINEATION</p> 
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BORDER
R=1.5"
TH=0.63"
IN=0.38"



NOTES:

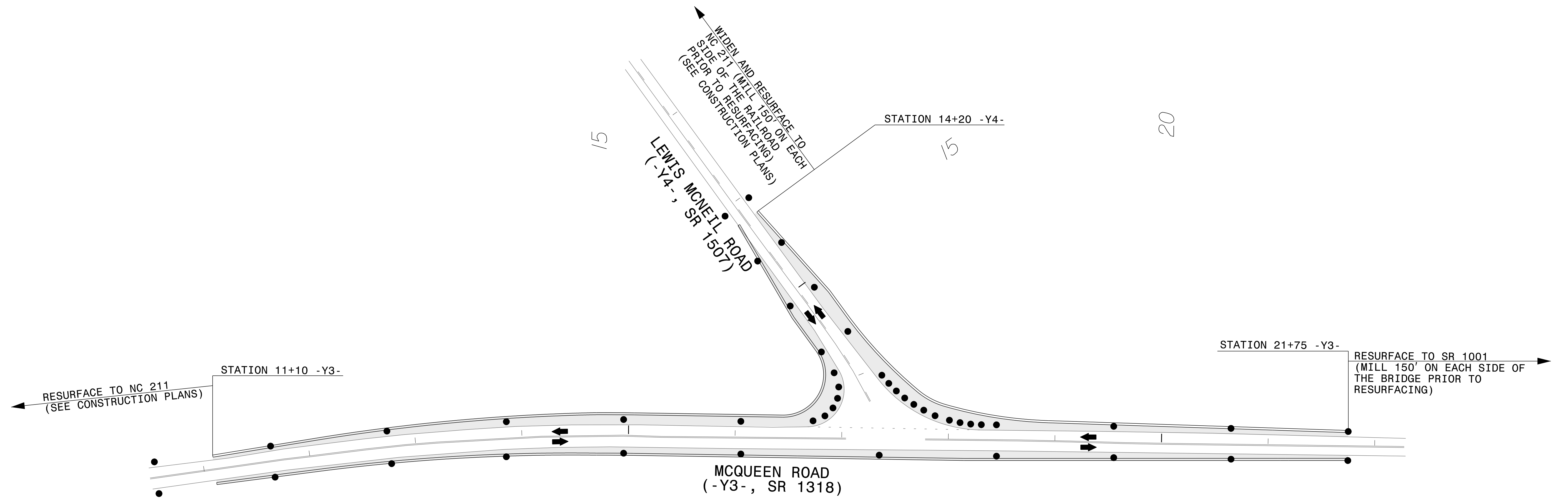
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- Background shall be Grade B reflective sheeting.

Letter spacings are to start of next letter										Series/Size	Text Length
	F	o	r	d						D 2000	15.2
7.4	4.3	4.6	2.8	3.6	7.4					D 2000	17
	R	o	a	d							
6.5	4.7	4.3	4.3	3.6	6.5						

Spacing Factor is 1 unless specified otherwise

4/4/2017
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<p>APPROVED: <i>Ayman Alquodwah</i> P32ACSCAPR6547Z...</p> <p>DATE: 4/4/2017</p>			<p>SPECIAL SIGN DESIGN</p>
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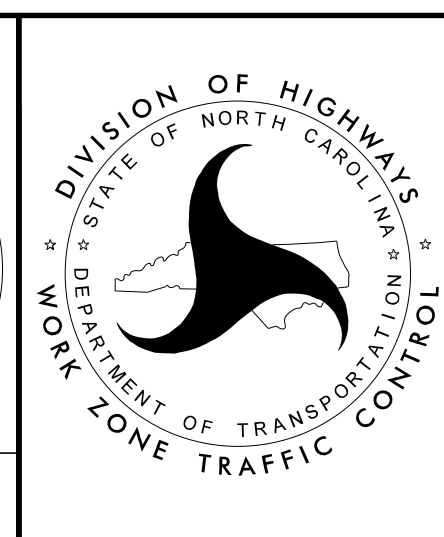


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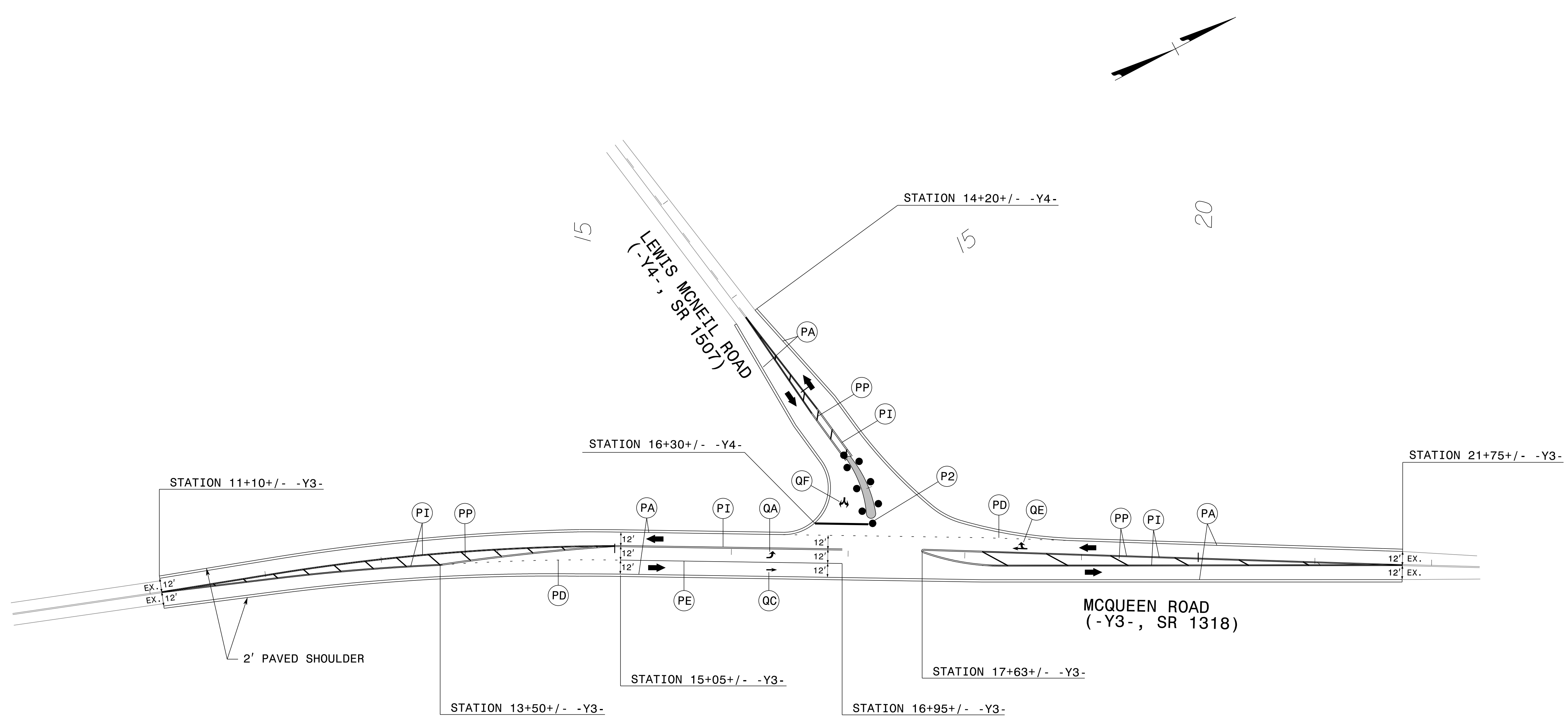
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DATE: 3/27/2017

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**DETOUR IMPROVEMENTS
 PHASE I, STEP 2**

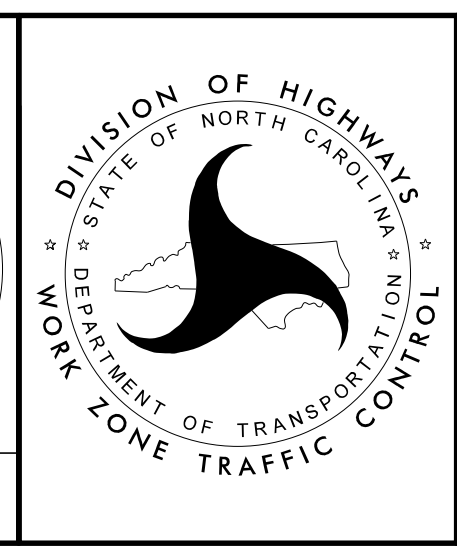


3/27/2017
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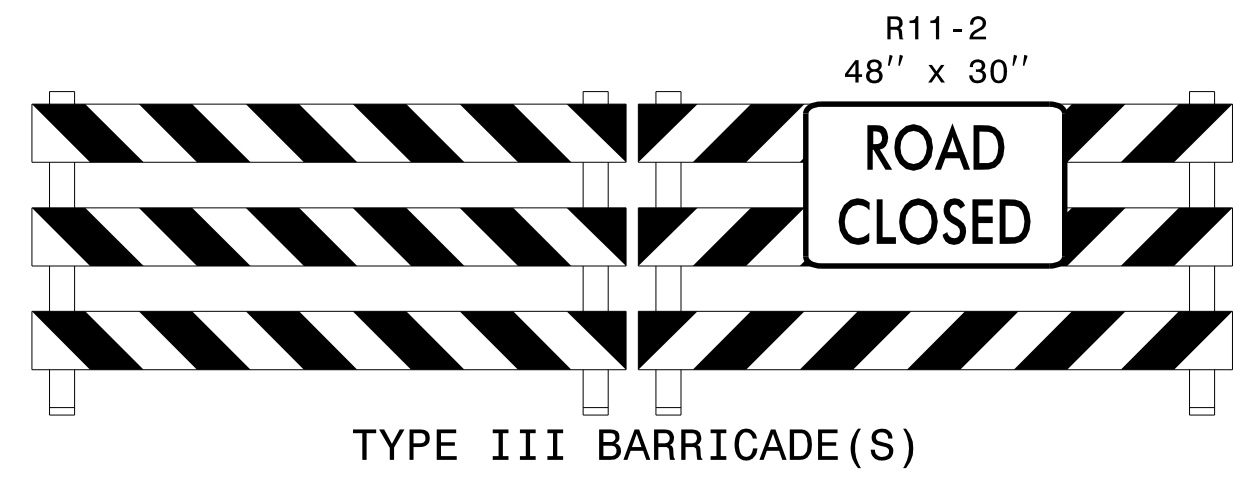
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DATE: 3/27/2017

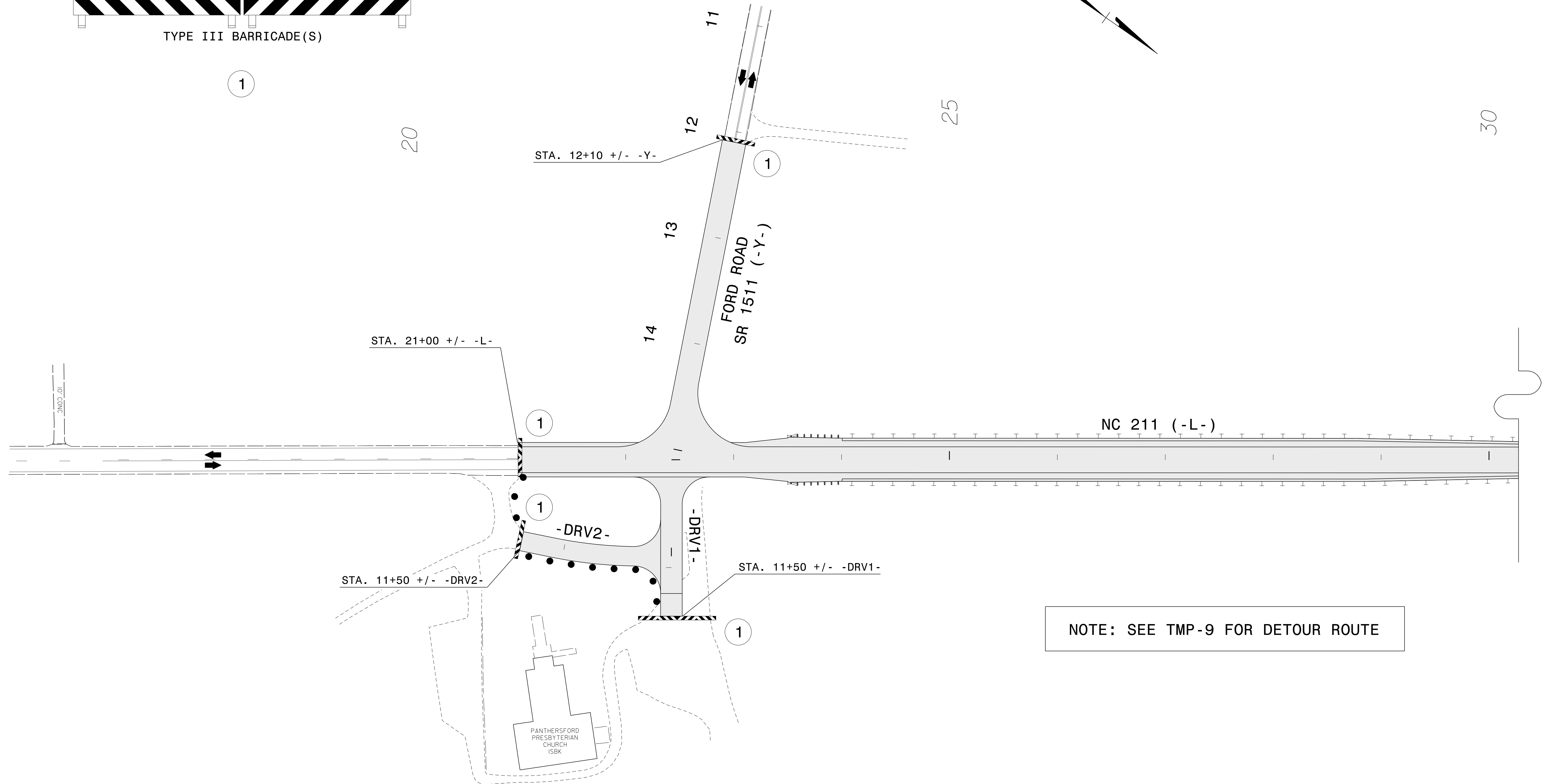
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**DETOUR IMPROVEMENTS
PHASE I, STEP 2**



1



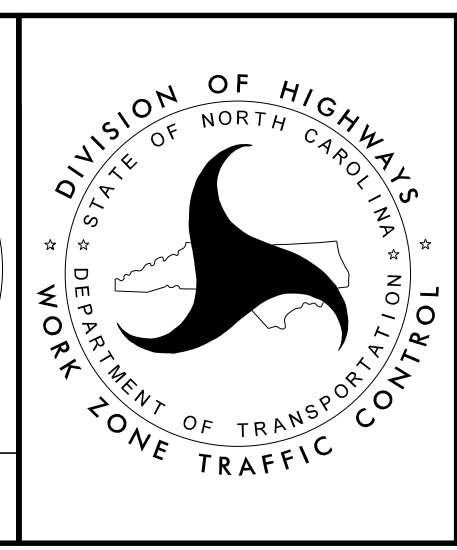
NOTE: SEE TMP-9 FOR DETOUR ROUTE

3/27/2017
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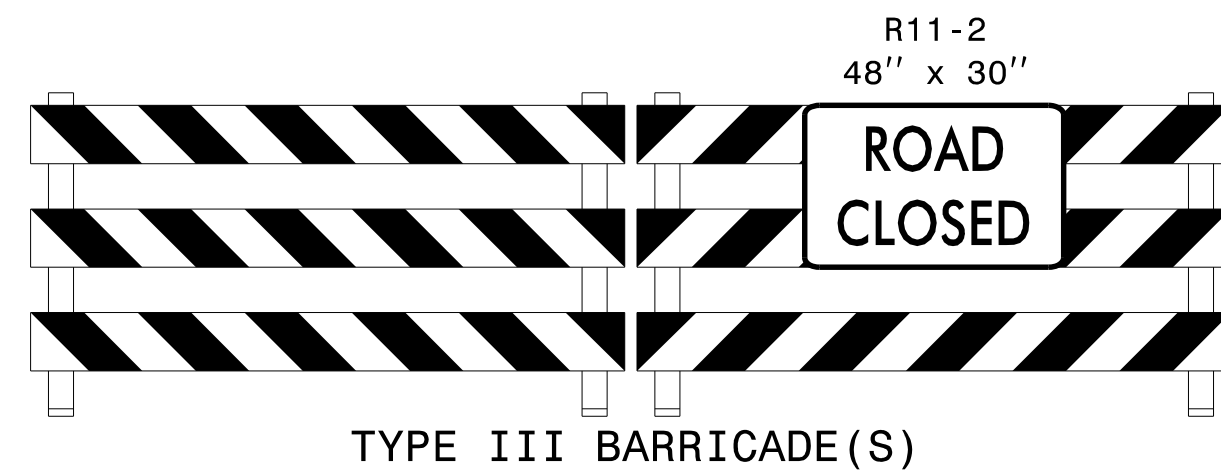
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DATE: 3/27/2017

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**TEMPORARY
TRAFFIC CONTROL
DETAIL - PHASE II,
STEP 2, 3**

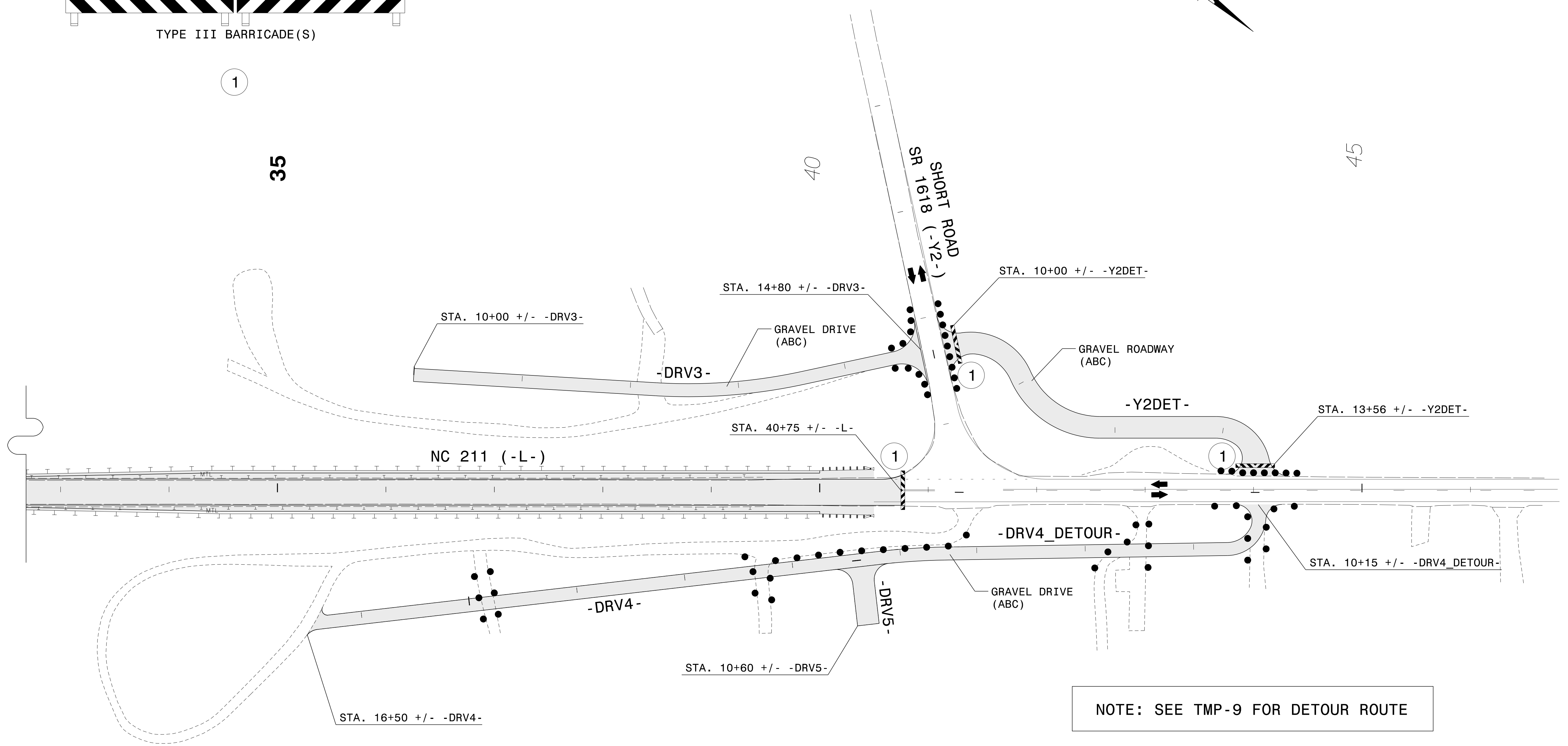


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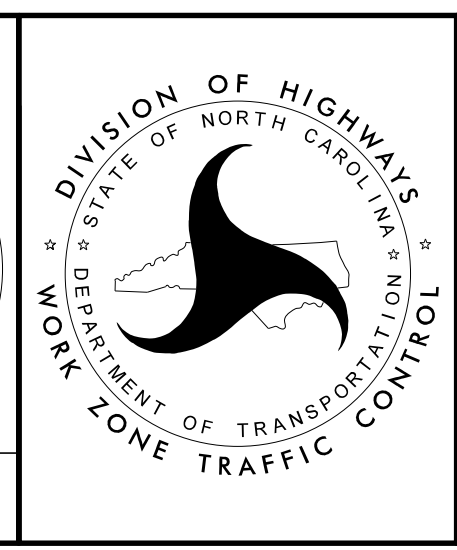


NOTE: SEE TMP-9 FOR DETOUR ROUTE

NEW CONSTRUCTION

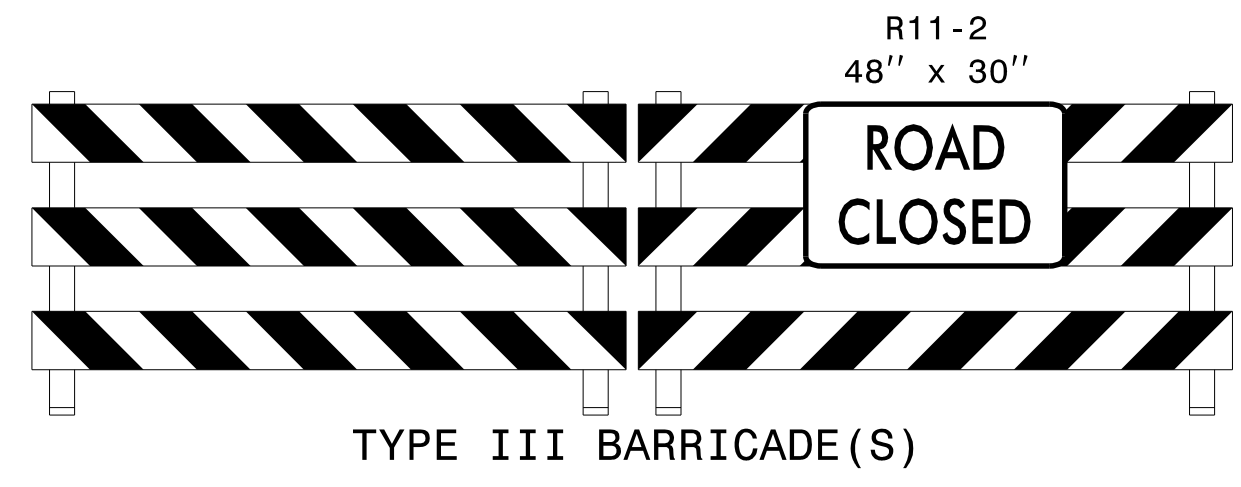
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DATE: 3/27/2017

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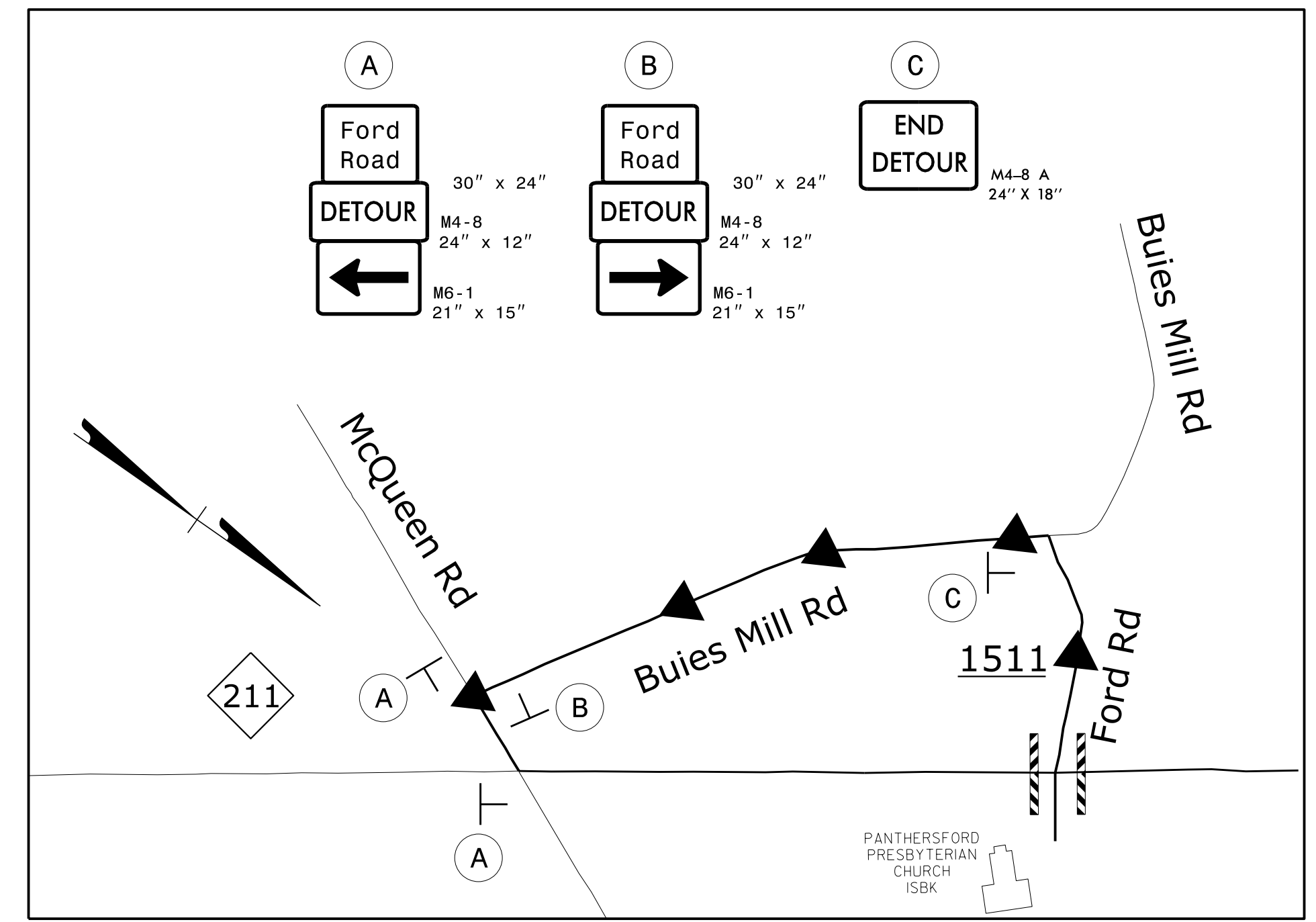
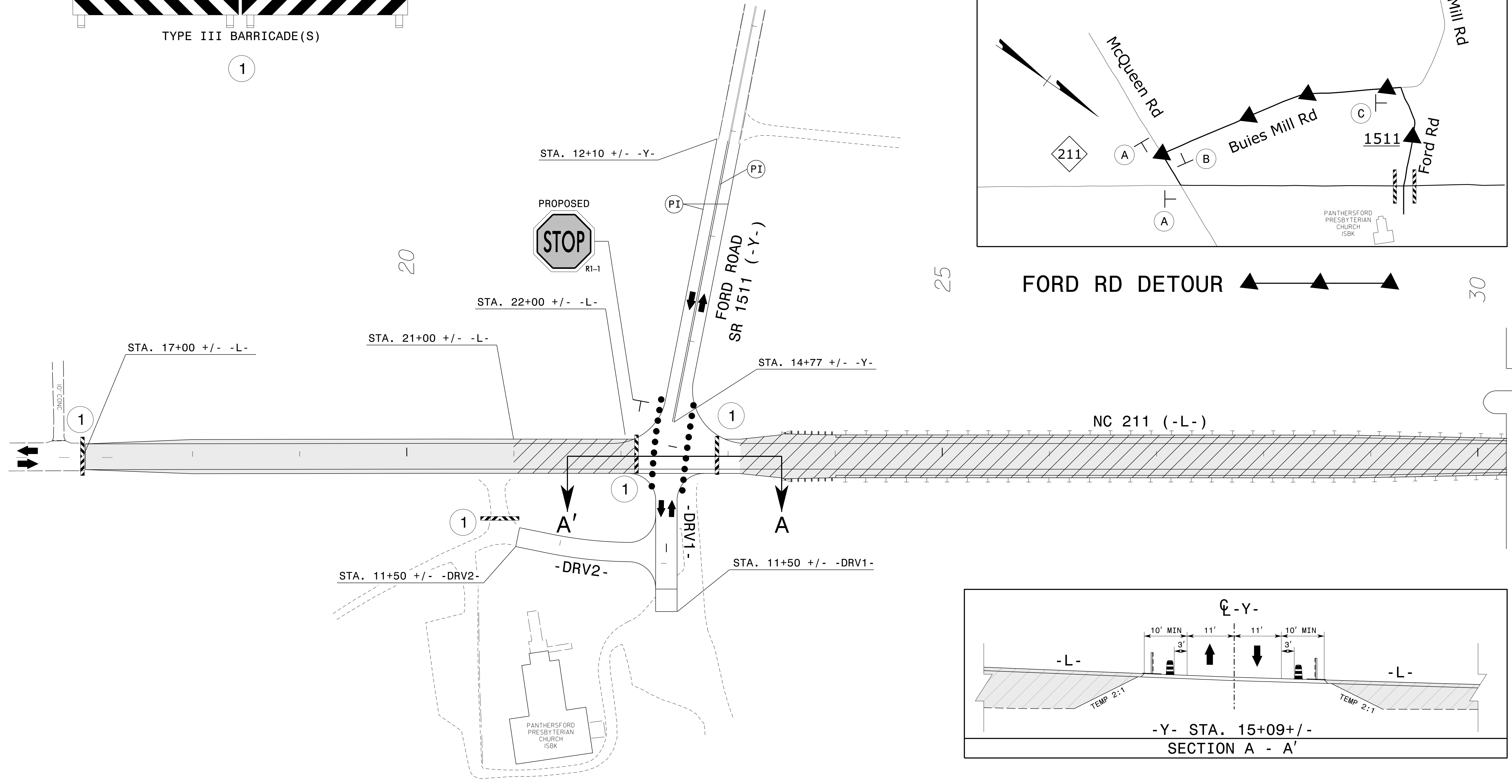


**TEMPORARY
TRAFFIC CONTROL
DETAIL - PHASE II,
STEP 2, 3**

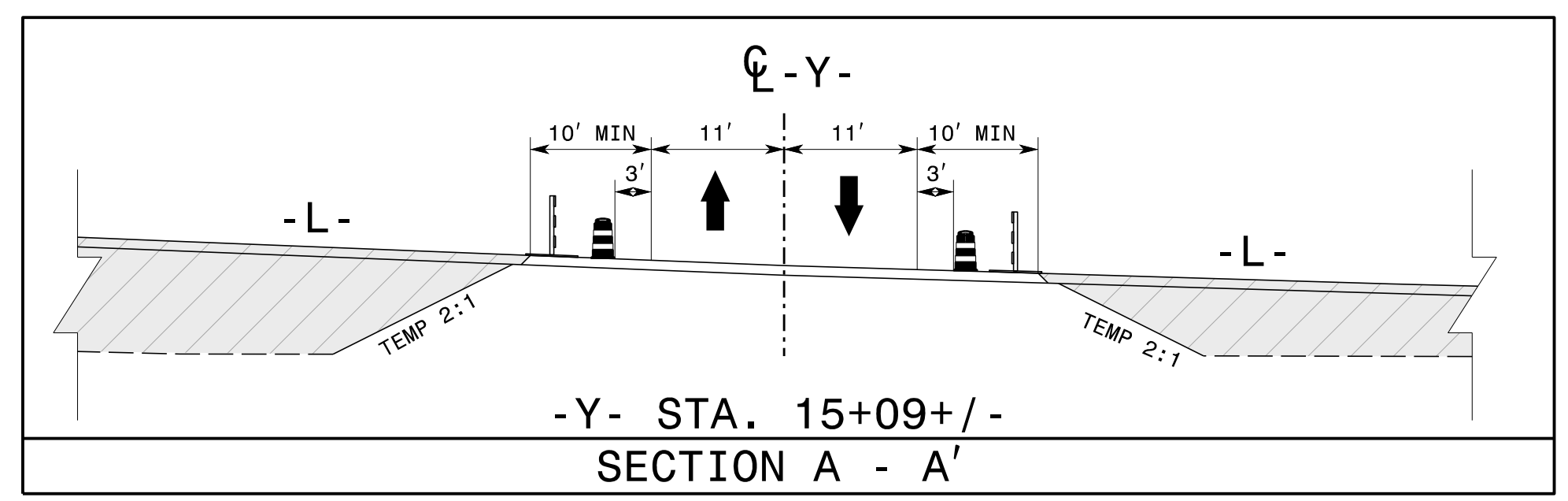
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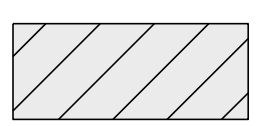


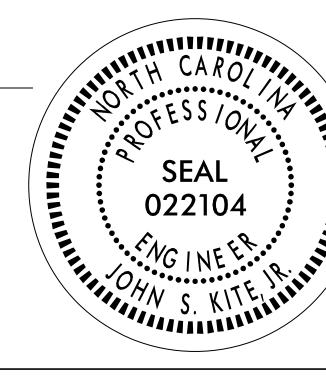
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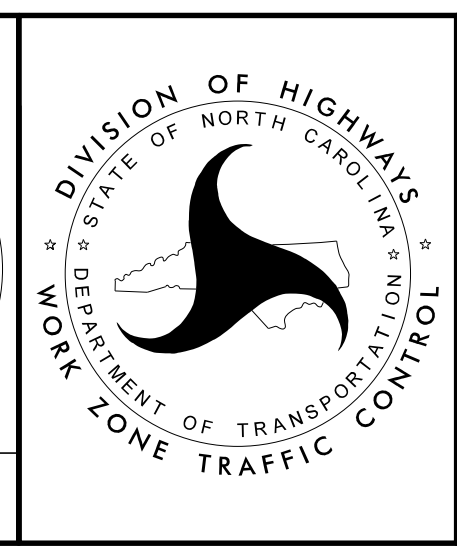


FORD RD DETOUR



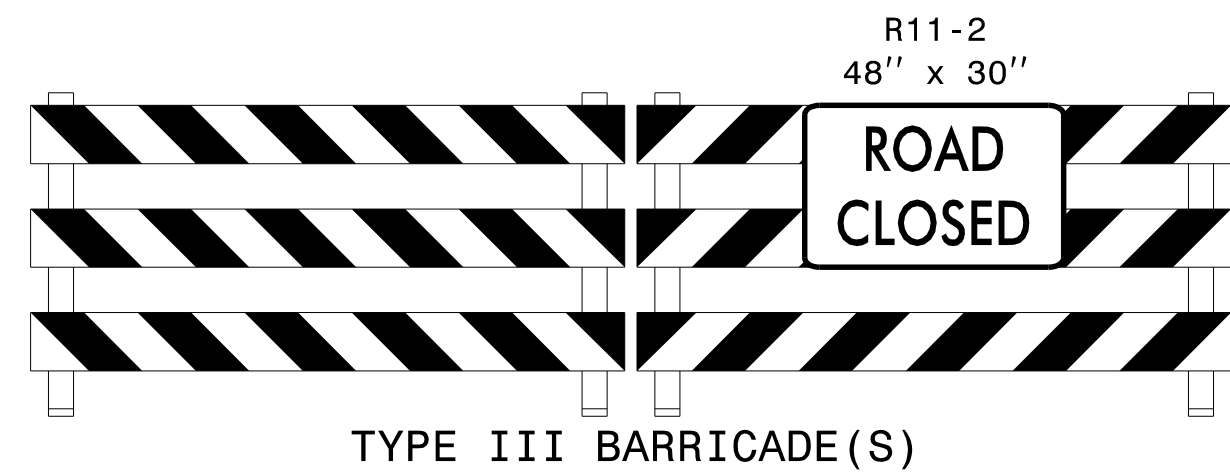
NEW CONSTRUCTION 
 ON-GOING CONSTRUCTION 

APPROVED: *Steve Kite*
 DATE: 3/27/2017

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**TEMPORARY
 TRAFFIC CONTROL
 DETAIL - PHASE II,
 STEP 4**

3/2/2017
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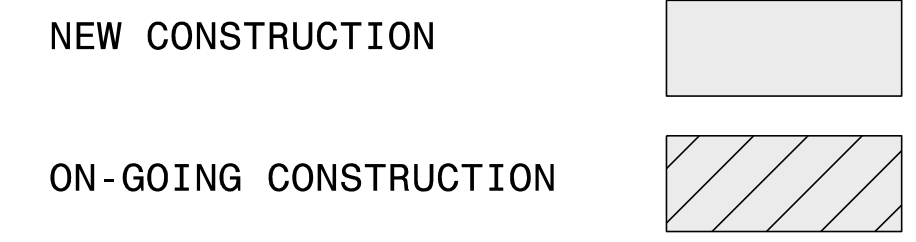
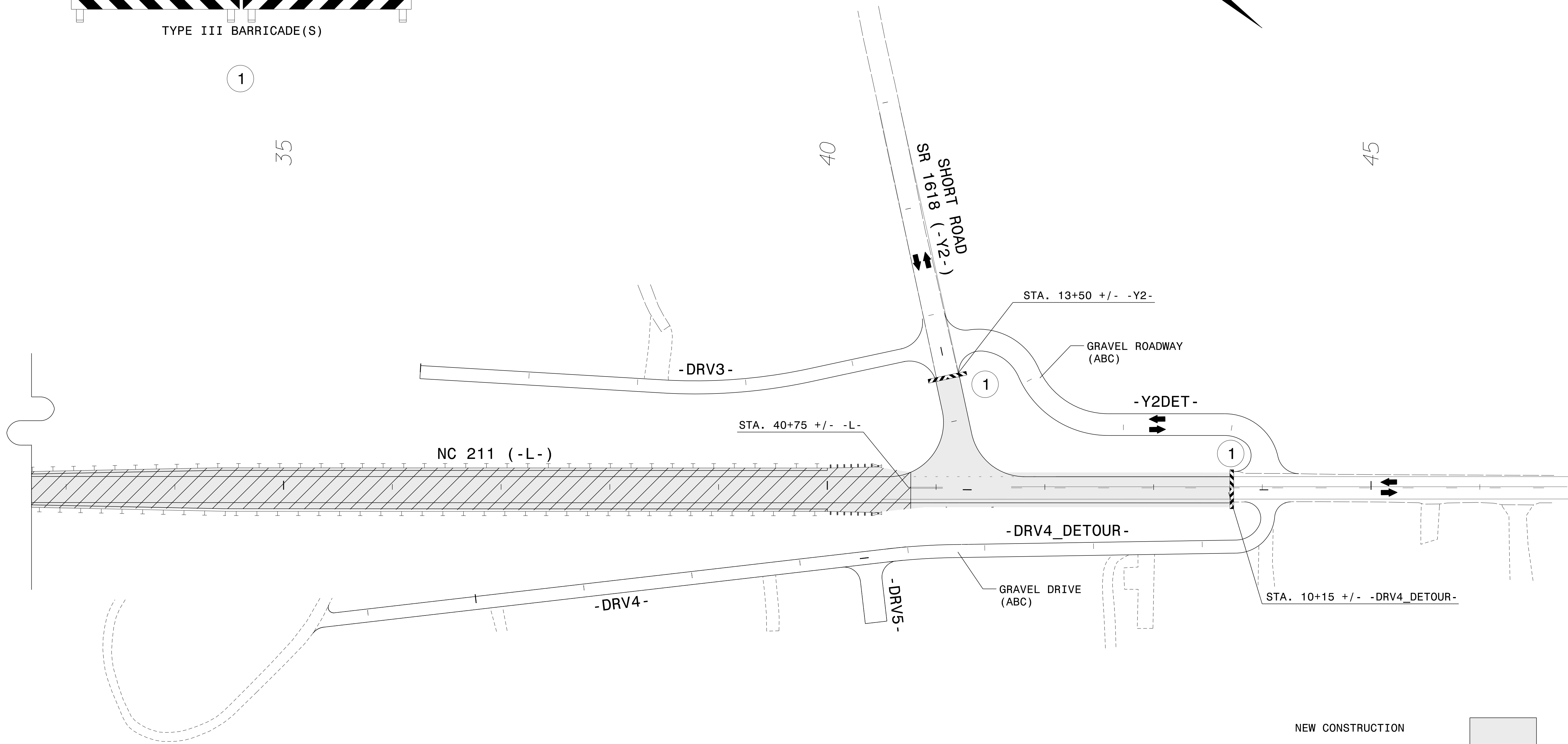


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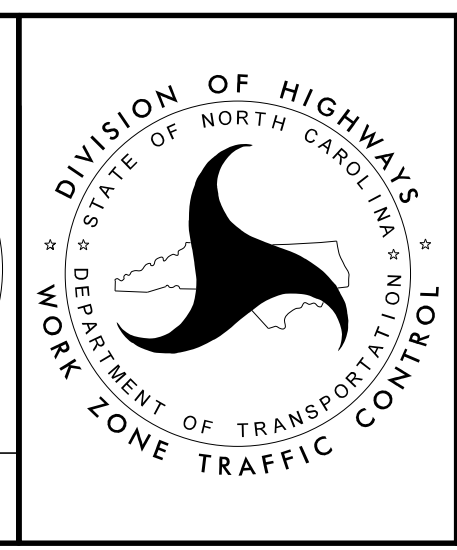


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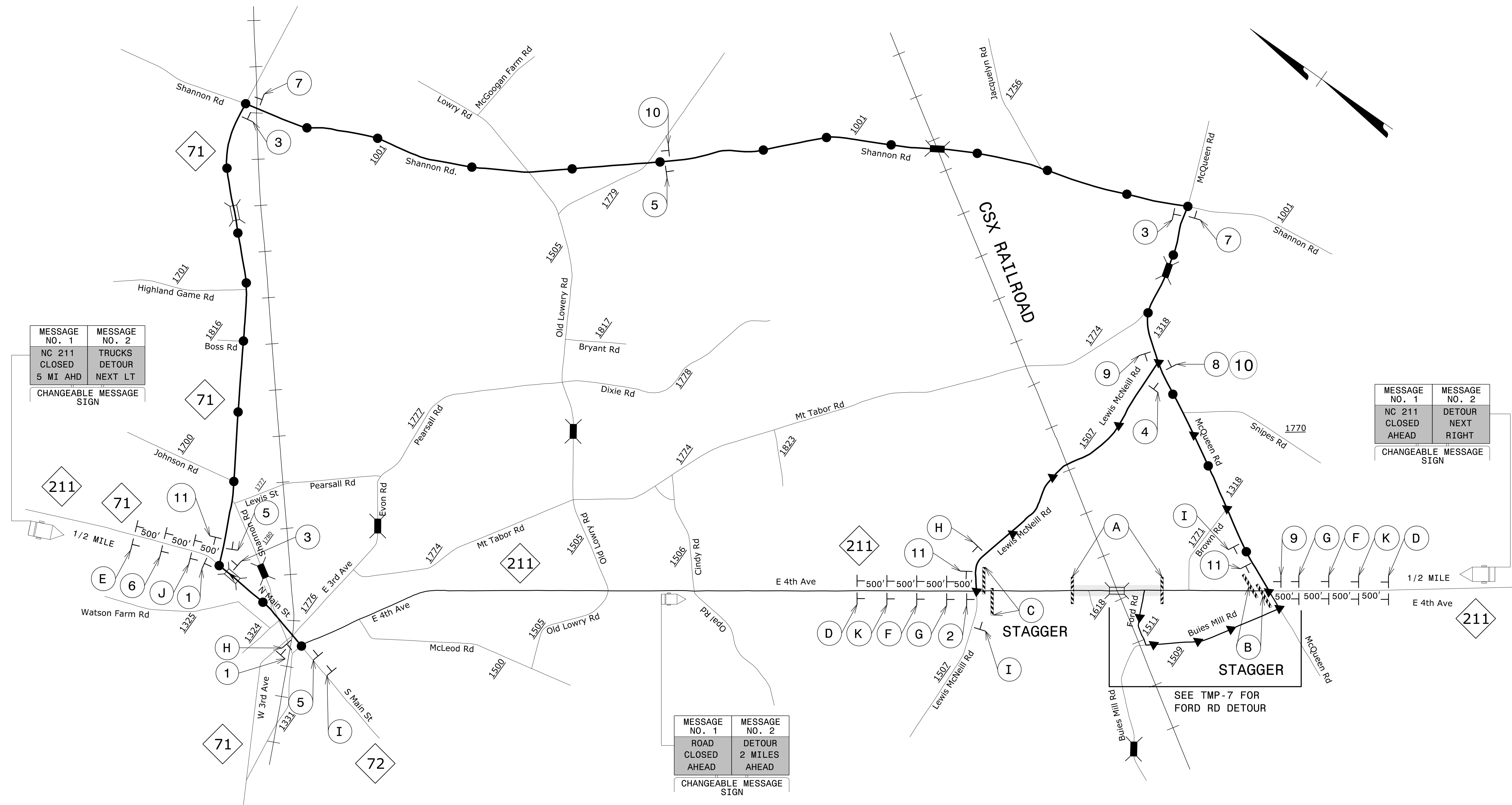
APPROVED: *Steve Kite*
E27CE30E10FC442

DATE: 3/27/2017

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



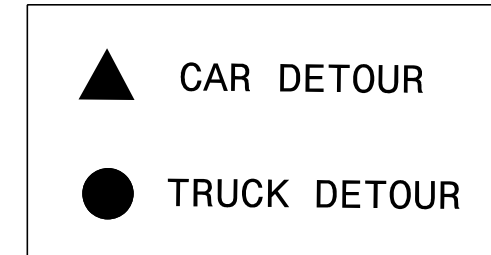
**TEMPORARY
TRAFFIC CONTROL
DETAIL - PHASE II,
STEP 4**



MESSAGE NO. 1	MESSAGE NO. 2
NC 211 CLOSED	TRUCKS DETOUR
5 MI AHD	NEXT LT
CHANGEABLE MESSAGE SIGN	

MESSAGE NO. 1	MESSAGE NO. 2
NC 211 CLOSED AHEAD	DETOUR NEXT RIGHT
CHANGEABLE MESSAGE SIGN	

MESSAGE NO. 1	MESSAGE NO. 2
ROAD CLOSED AHEAD	DETOUR 2 MILES AHEAD
CHANGEABLE MESSAGE SIGN	

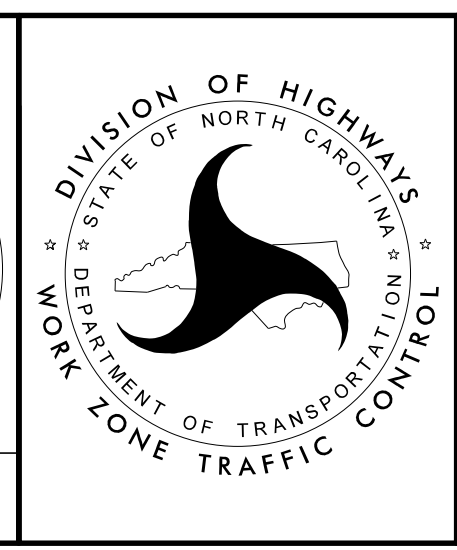


NOTES:
 - SEE SHEET TMP-5 THRU TMP-8 FOR ADDITIONAL CLOSURE DETAILS.
 - SEE SHEET TMP-10 FOR SIGNS AND BARRICADES.

APPROVED: *Steve Kite*
 DATE: 3/27/2017

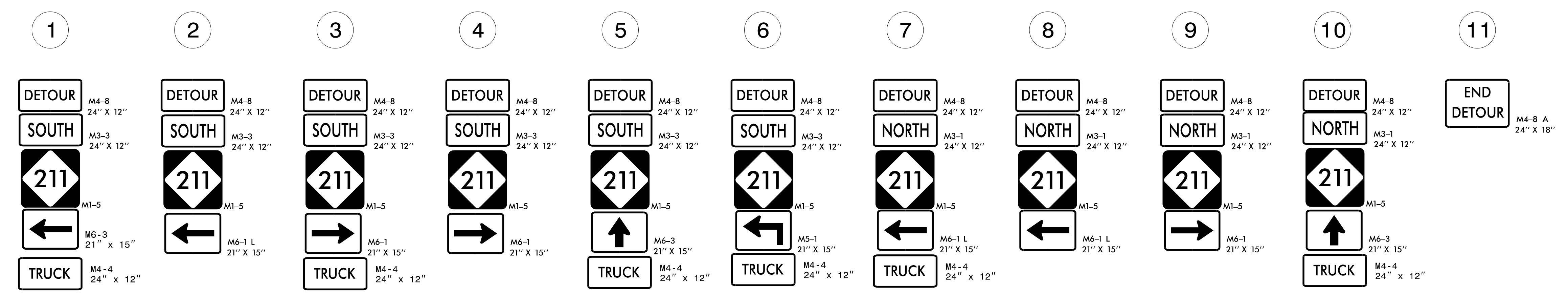
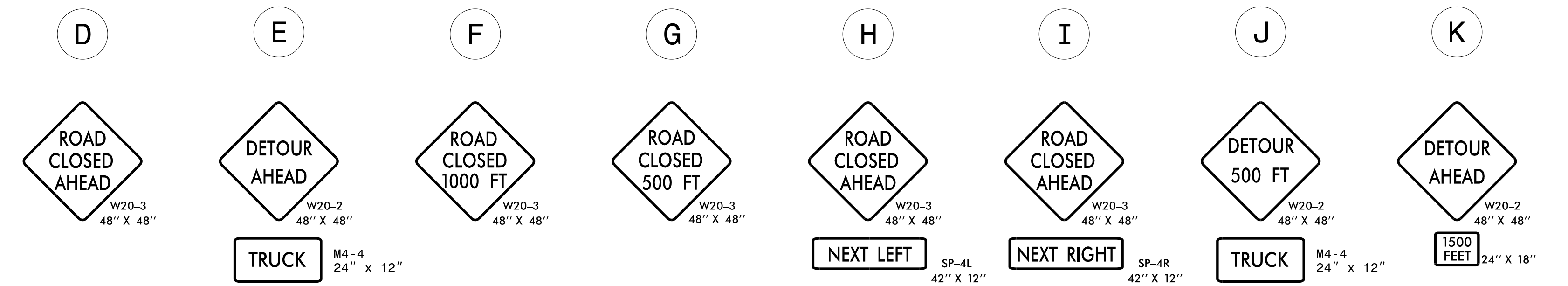
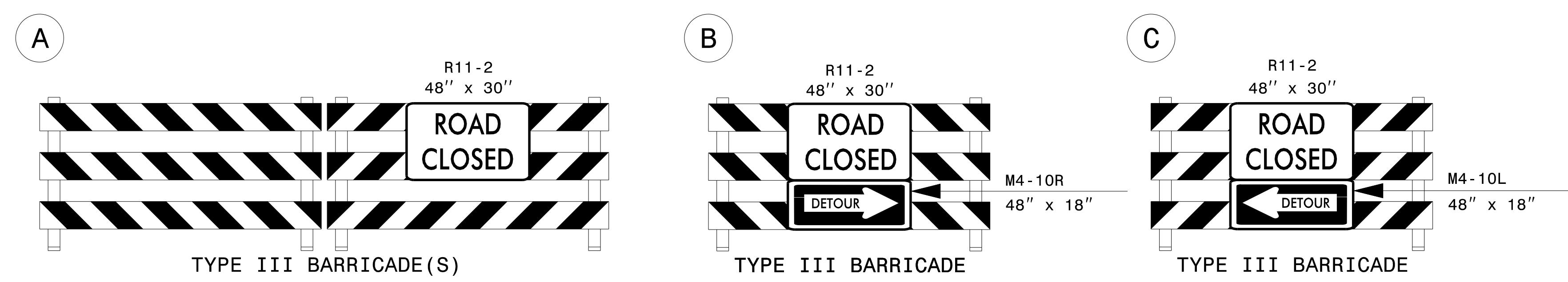
SEAL
 022104
 JOHN S. KITE, II
 ENGINEER

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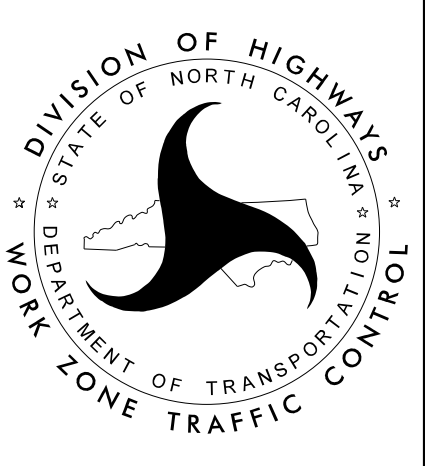


TEMPORARY TRAFFIC CONTROL DETOUR

3/6/2017
 R:\TrafficControl\TrafficControl\TCP\B-4616_TC_TMP_09.dgn
 User: tablenings



3/27/2017
 R:\TrafficControl\TrafficControl\CP\B-4616_TC_TMP_10.dgn
 User: sbjennings

APPROVED: <i>Steve Kite</i> DATE: 3/27/2017 		<h2 style="text-align: center;">TEMPORARY TRAFFIC CONTROL DETOUR</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		