

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-3909	TCP-1

**PLAN FOR PROPOSED
TRAFFIC CONTROL
STANLY COUNTY**

B-3909

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:

STD. NO.	TITLE
1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1110.01	STATIONARY WORK ZONE SIGNS
1145.01	BARRICADES

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, INDEX OF SHEETS, AND LEGEND
TCP-2	PROJECT NOTES AND PHASING
TCP-3	TEMPORARY ROAD CLOSURE

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- NORTH ARROW
- PROPOSED PVMT. EXIST. PVMT.
- WORK AREA
- REMOVAL OF EXISTING PAVEMENT

TRAFFIC CONTROL DEVICES

- TYPE I BARRICADE
- TYPE II BARRICADE
- TYPE III BARRICADE
- CONE
- DRUM 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

TIP PROJECT:

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APPROVED: <i>Josica Kuse</i> DATE: <i>4/16/09</i>	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL SECTION
SEAL 	J. S. BOURNE, P.E. TRAFFIC CONTROL ENGINEER J. S. KITE, P.E. TRAFFIC CONTROL PROJECT ENGINEER J. D. KUSE, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER S. D. MILLER, E.I.T. TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

PROJECT NOTES

PROJ. REFERENCE NO.	SHEET NO.
B-3909	TCP-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.

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 AN EDGE OF PAVEMENT 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 (W8-11) 500 FEET IN ADVANCE AND A MINIMUM OF 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

- D) INSTALL ADVANCE WORK ZONE WARNING SIGNS NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- E) STATE FORCES WILL BE RESPONSIBLE FOR PERMANENT SIGNING.
- F) STATE FORCES WILL BE RESPONSIBLE FOR DETOUR SIGNING OFF THE PROJECT LIMITS.
- G) STATE FORCES WILL COVER OR REMOVE ALL DETOUR SIGNS OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- H) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- I) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

LOCAL NOTES

1. NOTIFY STANLY COUNTY SCHOOLS AND STANLY COUNTY EMERGENCY SERVICES ONE MONTH PRIOR TO CLOSING SR 1968 (HARTSELL RD.) TO THROUGH TRAFFIC.
2. INSTALL SIGNS BEFORE INSTALLING THE BARRICADES WHEN CLOSING THE ROADWAY TO TRAFFIC. REMOVE BARRICADES BEFORE REMOVING THE SIGNS WHEN OPENING THE ROADWAY TO TRAFFIC. INSTALL/REMOVE SIGNS AND BARRICADES WITHIN THE SAME CALENDAR DAY.
3. ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE; FIELD ADJUST AS NECESSARY OR AS DIRECTED.
4. MAINTAIN DRIVEWAY ACCESS WITHIN PROJECT LIMITS USING INCIDENTAL STONE.
5. MAINTAIN LOCAL TRAFFIC WITHIN ROAD CLOSURE.

PHASING



NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO CLOSING SR 1968 (HARTSELL RD.) TO THROUGH TRAFFIC. STATE FORCES WILL INSTALL OFF-SITE DETOUR SIGNING.

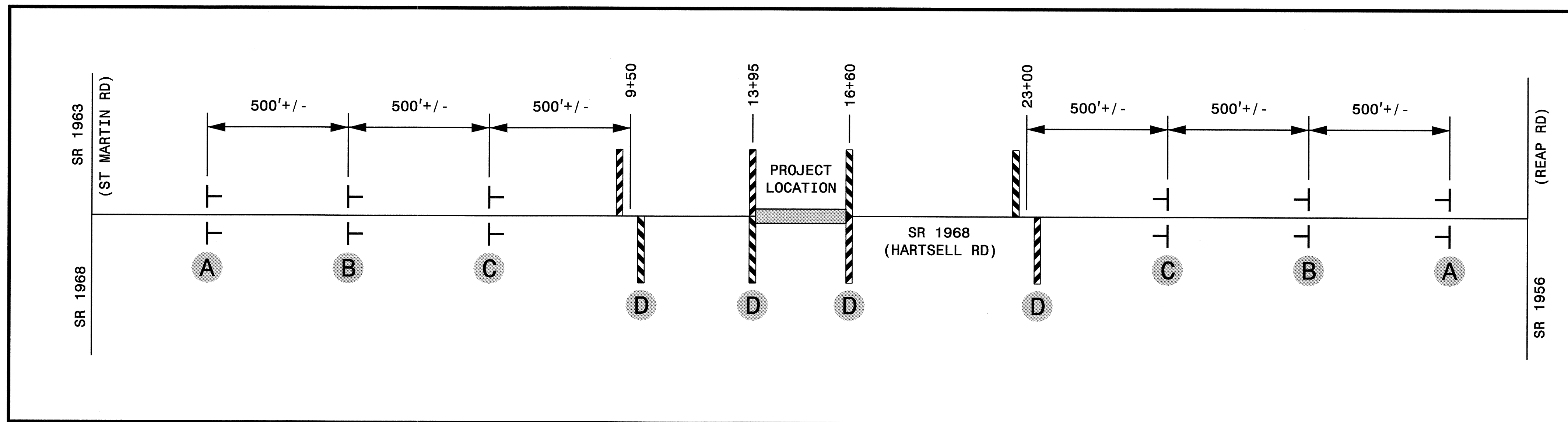
- STEP 1. ENSURE OFF-SITE DETOUR SIGNING IS INSTALLED PRIOR TO ROAD CLOSURE. INSTALL SIGNS AND BARRICADES AS SHOWN ON TCP-3 AND ROADWAY STANDARD DRAWING 1101.03 SHEET 1 OF 9 AND CLOSE SR 1968 (HARTSELL RD.) TO THROUGH TRAFFIC. (SEE LOCAL NOTES NO. 1, 2, AND 3)
- STEP 2. CONSTRUCT THE FOLLOWING WITHIN THE ROAD CLOSURE: (SEE LOCAL NOTES NO. 4 AND 5)
 -REMOVE THE EXISTING STRUCTURE.
 -CONSTRUCT THE PROPOSED STRUCTURE.
 -CONSTRUCT THE PROPOSED ROADWAY SECTION -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE FROM STA. 9+50+/- TO STA. 13+95+/- AND FROM STA. 16+60+/- TO STA. 23+00+/-.
- STEP 3. PLACE THE FINAL LAYER OF SURFACE COURSE ON -L- FROM STA. 9+50+/- TO STA. 13+95+/- AND FROM STA. 16+60+/- TO STA. 23+00+/- (SEE LOCAL NOTE NO. 4 AND 5)

NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO OPENING SR 1968 (HARTSELL RD.) TO THROUGH TRAFFIC. STATE FORCES WILL APPLY FINAL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON -L- FROM STA. 9+50+/- TO STA. 23+00+/- STATE FORCES WILL REMOVE OFF-SITE DETOUR SIGNING AFTER SR 1968 (HARTSELL RD.) IS OPENED TO THROUGH TRAFFIC.

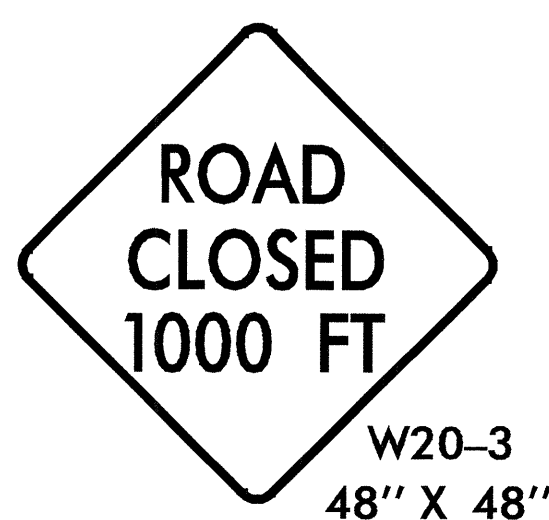
- STEP 4. REMOVE ALL BARRICADES, ROAD CLOSED SIGNS, AND DETOUR SIGNS AND OPEN SR 1968 (HARTSELL RD.) TO THROUGH TRAFFIC. (SEE LOCAL NOTE NO. 2)

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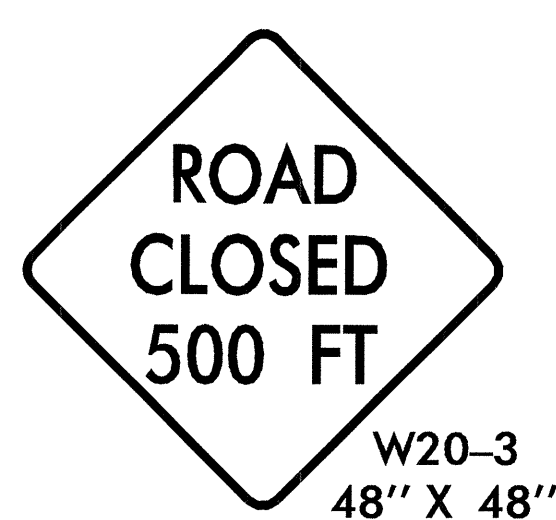
APPROVED: <i>Josca Kuse</i> DATE: 11/6/09	PROJECT NOTES AND PHASING									
	SCALE: NONE									
	DATE: 08/08									
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	DESIGN BY: SDM									
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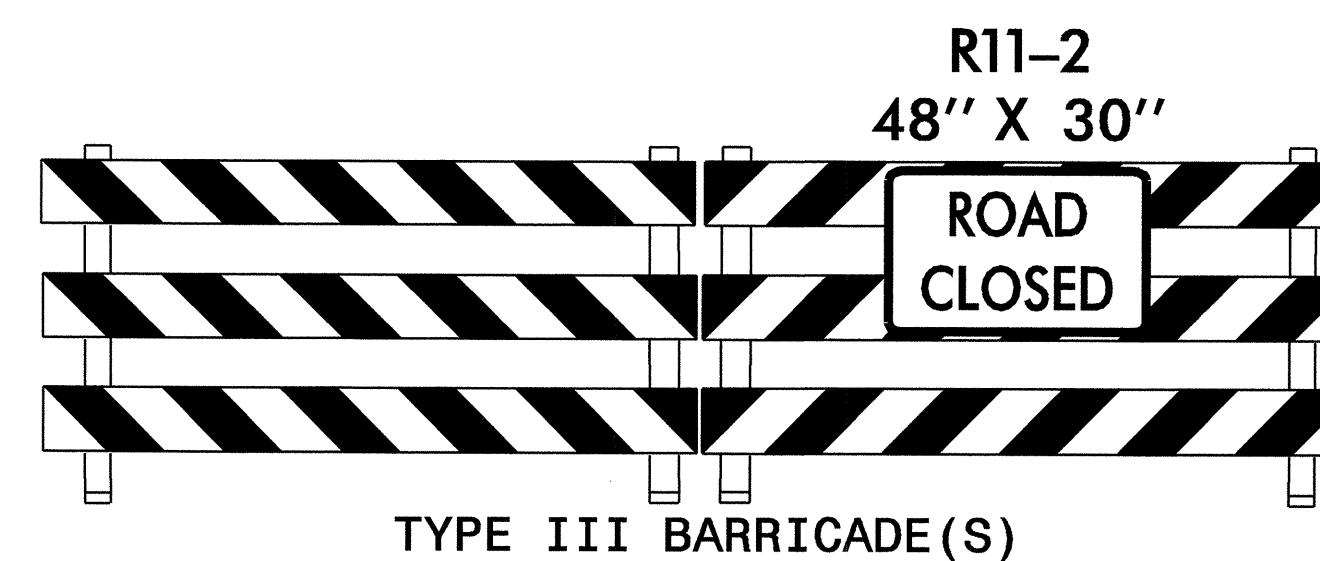
A
(4 EA)



B
(4 EA)



C
(4 EA)



D
(4 SETS*)

* BARRICADES USED TO CLOSE A ROADWAY SHALL EXTEND ACROSS THE ENTIRE ROADWAY. WHERE LOCAL TRAFFIC MUST BE MAINTAINED, THEY MAY BE PLACED IN A STAGGERED POSITION.

APPROVED: <i>Jessica D. Kuse</i> DATE: 7/16/08	TEMPORARY ROAD CLOSURE							
	SCALE: NONE							
	DATE: 08/08							
	DESIGN BY: SDM							
	REVIEWED BY: JDK							
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