

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-3636	TCP-1

**PLAN FOR PROPOSED
TRAFFIC CONTROL, MARKING & DELINEATION
CHOWAN COUNTY**

B-3636

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
 - FLASHING ARROW PANEL (TYPE C)
 - TYPE 'B' WARNING LIGHT
 - STATIONARY SIGN
 - PORTABLE SIGN
 - STATIONARY OR PORTABLE SIGN
 - WARNING FLAGS
 - 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

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - ROADWAY DESIGN UNIT-N.C. DEPARTMENT OF TRANSPORTATION-RALEIGH, N.C., DATED JANUARY 2002 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.03	TEMPORARY ROAD CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND AND INDEX OF SHEETS
TCP-2	PROJECT NOTES AND PHASING
TCP-3	DETOUR ROUTE
TCP-4	REPLACEMENT DETAIL FOR RSD 1145.01

TIP PROJECT:

19-DEC-2005 07:49
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ayucsmi AT WZ 10224239

APPROVED: <i>Betsy L. Watson</i> DATE: 12/19/05	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
SEAL 	J. STUART BOURNE, P.E. - TRAFFIC CONTROL ENGINEER JOSEPH ISHAK, P.E. - TRAFFIC CONTROL PROJECT ENGINEER BETSY L. WATSON, P.E. - TRAFFIC CONTROL PROJECT DESIGN ENGINEER ALLA LYUDMIRSKAYA - TRAFFIC CONTROL DESIGN ENGINEER

PROJECT NOTES

ADAPT THE TRAFFIC CONTROL PLANS, WHEN DIRECTED BY THE ENGINEER, TO MEET FIELD CONDITIONS TO PROVIDE SAFE AND EFFICIENT TRAFFIC MOVEMENT. CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE, OR RESULT IN DUPLICATE, OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES.

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) STATE FORCES WILL BE RESPONSIBLE FOR PERMANENT SIGNING WITHIN THE PROJECT LIMITS.
- C) PROVIDE DETOUR SIGNING WITHIN THE PROJECT LIMITS.
- D) STATE FORCES WILL BE RESPONSIBLE FOR DETOUR SIGNING OFF THE PROJECT LIMITS.
- E) COVER OR REMOVE ALL DETOUR SIGNS WITHIN THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- F) STATE FORCES WILL COVER OR REMOVE ALL DETOUR SIGNS OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- G) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- H) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY. PLACE TYPE III BARRICADES, WITH "ROAD CLOSED TO THRU TRAFFIC" SIGN R11-4 AND "DETOUR" SIGN M4-10 ATTACHED. STAGGER OR OVERLAP BARRICADES TO ALLOW FOR INGRESS OR EGRESS.

PAVEMENT MARKINGS AND MARKERS

- I) STATE FORCES WILL INSTALL PAVEMENT MARKINGS (PAINT) ON THE FINAL SURFACE OF SR 1222 (ROCKY HOCK RD.).

PHASING

STEP 1: - NOTIFY STATE FORCES TO INSTALL DETOUR SIGNING OFF THE PROJECT LIMITS.

- USING RSD 1101.03 SHEET 1 OF 9 AND SHEET TCP-3 PLACE TYPE III BARRICADES TO CLOSE SR 1222 (ROCKY HOCK RD.) TO THROUGH TRAFFIC, AND DETOUR TRAFFIC ONTO PROPOSED DETOUR.

STEP 2: AWAY FROM TRAFFIC, PERFORM THE FOLLOWING:

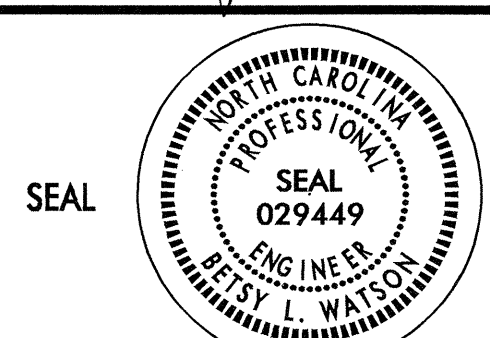
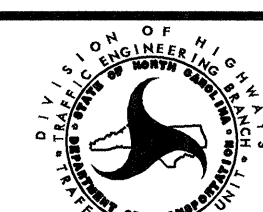
1. CONSTRUCT -L- FROM STA.7+55+/- TO STA.21+75+/- UP TO AND INCLUDING THE FINAL SURFACE LAYER ACCORDING TO ROADWAY PLANS.

2. STATE FORCES WILL PLACE FINAL PAVEMENT MARKINGS (PAINT) ON PROPOSED -L- AND TIE IN TO EXISTING MARKING AT -L- STA.7+55+/- & -L- STA.21+75+/- (NO PAVEMENT MARKERS WILL BE USED).

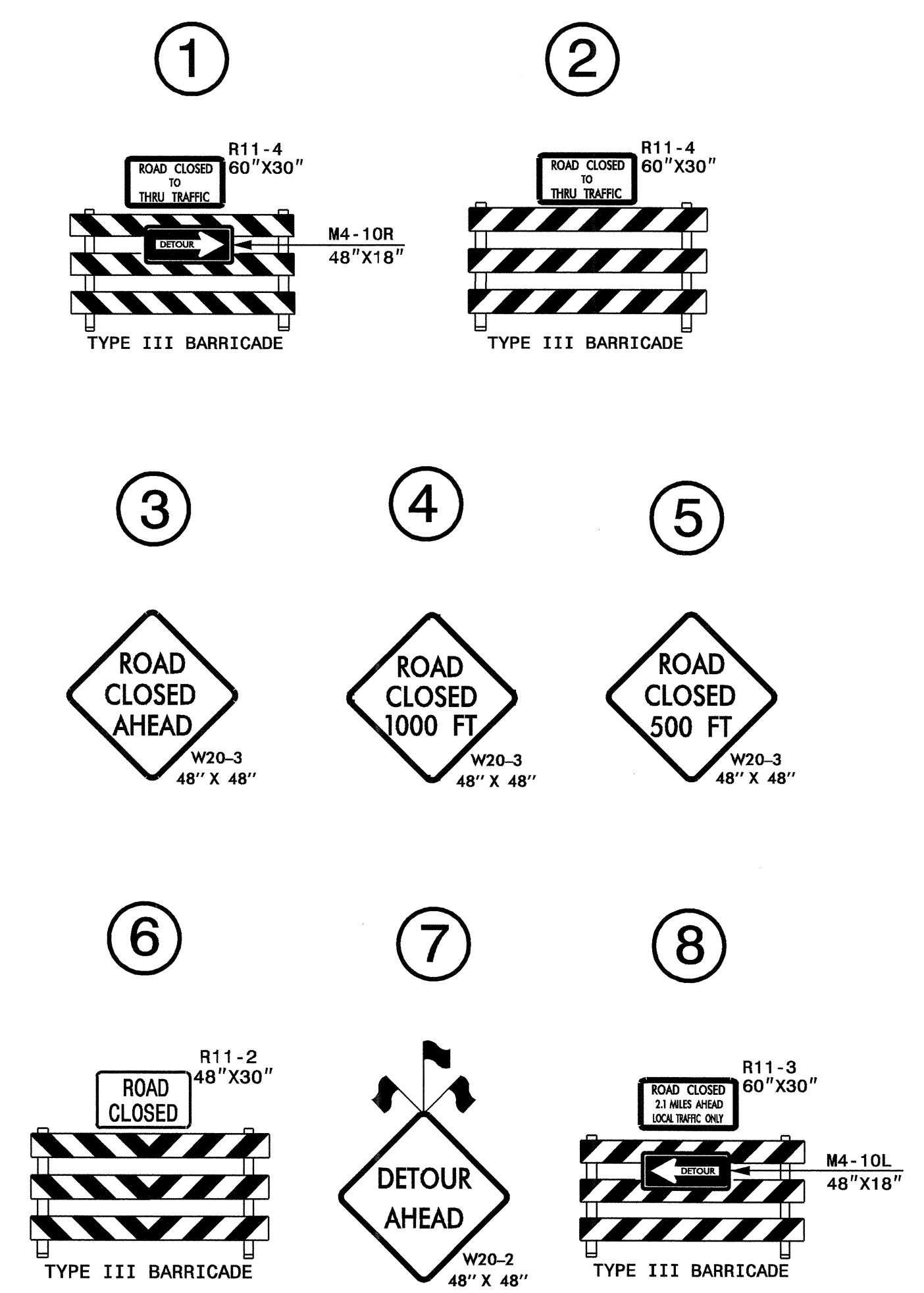
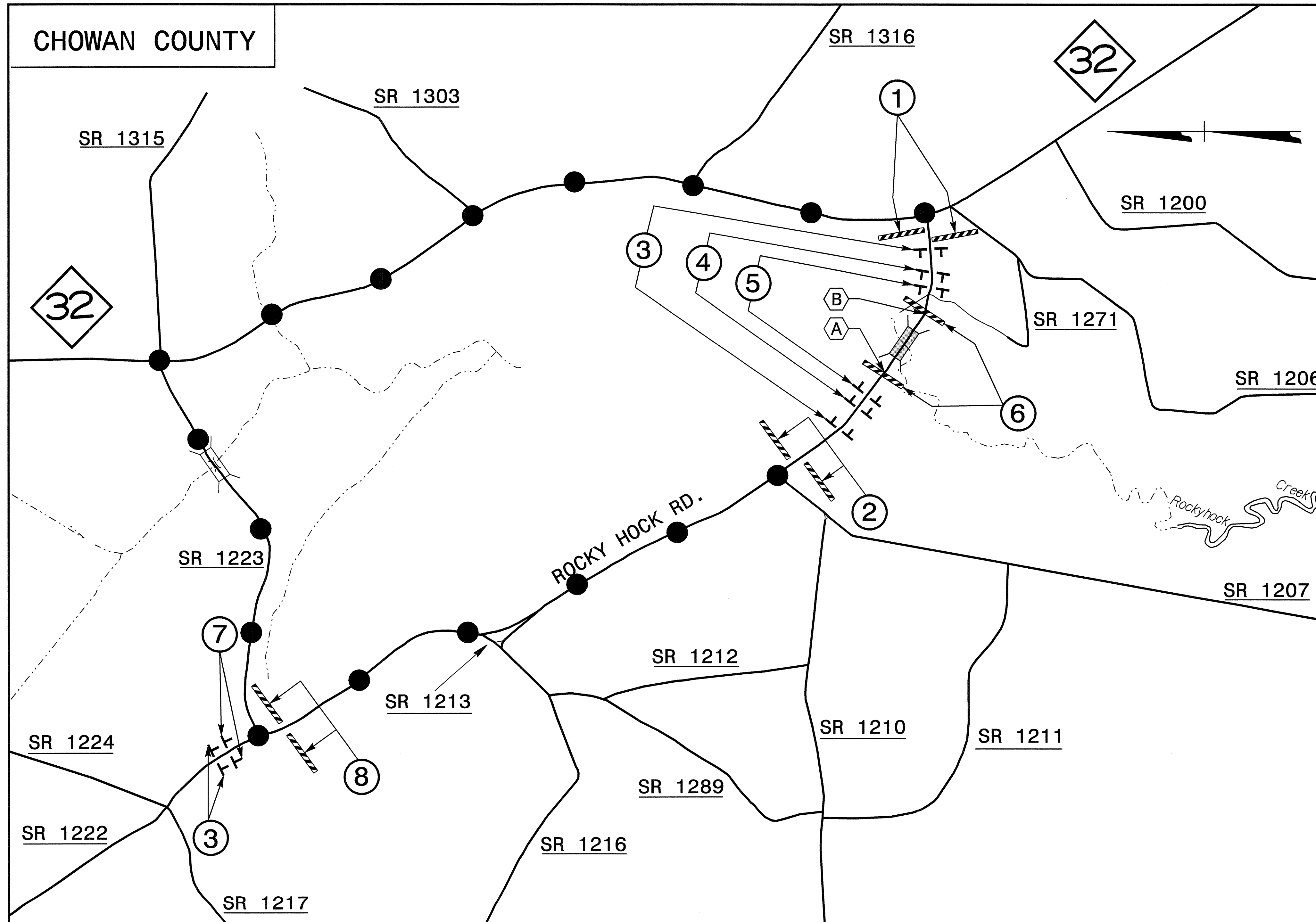
STEP 3: - REMOVE ALL TRAFFIC CONTROL DEVICES AND REOPEN SR 1222 (ROCKY HOCK RD.) TO TWO-LANE, TWO-WAY TRAFFIC PATTERN FROM -L- STA.7+55+/- TO -L- STA.21+75+/-.

- NOTIFY STATE FORCES TO REMOVE DETOUR SIGNING OFF THE PROJECT LIMITS.

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 dyljdm AT WZ 10/22/05

APPROVED: <i>[Signature]</i> DATE: 10/19/05		PROJECT NOTES AND PHASING	
	SCALE: NONE		REVISIONS
	DATE: 07/21/05		
	DESIGN BY: AYL		
	REVIEWED BY: BLW		
		<small>CADD FILE</small>	

B-3636 OFFSITE DETOUR



A -L- STA. 7+55.00
BEGIN PROJECT

B -L- STA. 21+75.00
END PROJECT

NOTE: SEE RSD 1101.03, SHEET 1 OF 9, FOR SIGN PLACEMENT.

APPROVED: <i>[Signature]</i> DATE: 12/19/15	DETOUR ROUTE	
	SCALE: NONE	
	DATE: 08/16/05	
	DWG. BY: AYL	
	DESIGN BY: AYL	
REVIEWED BY: BLW	REVISIONS	

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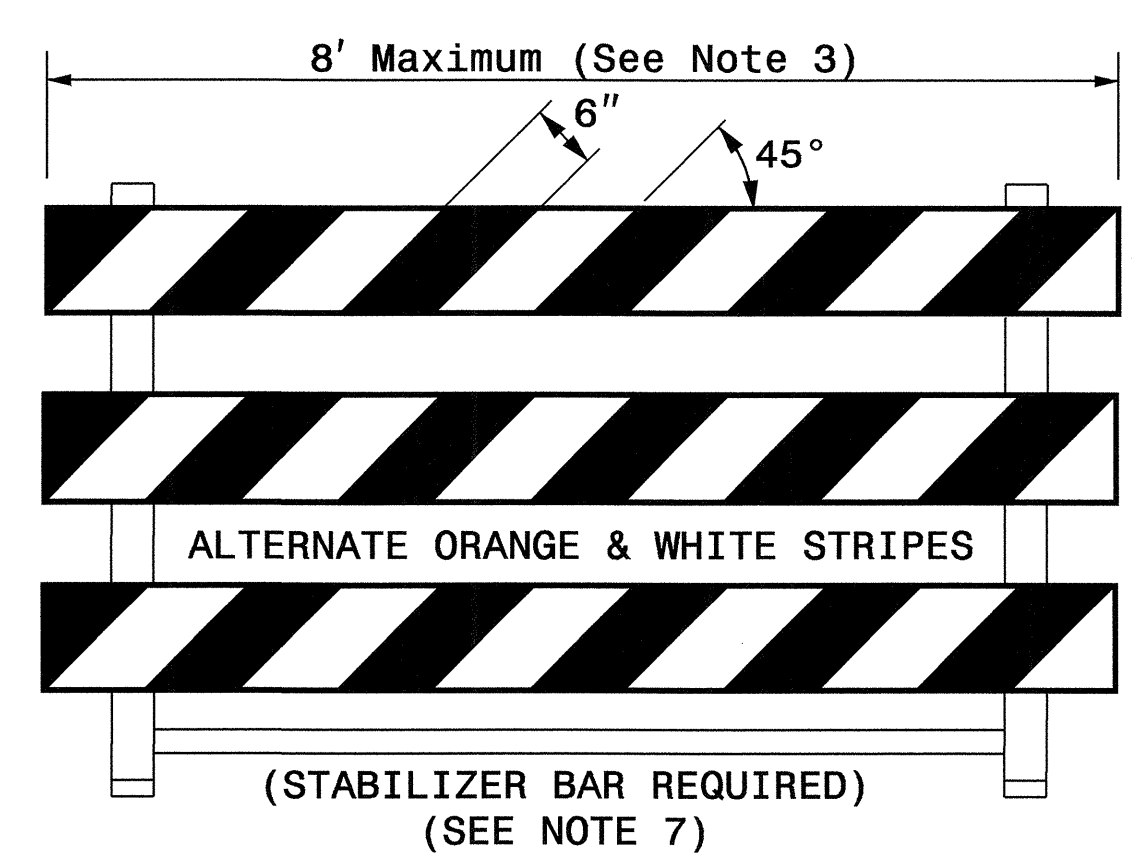
STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

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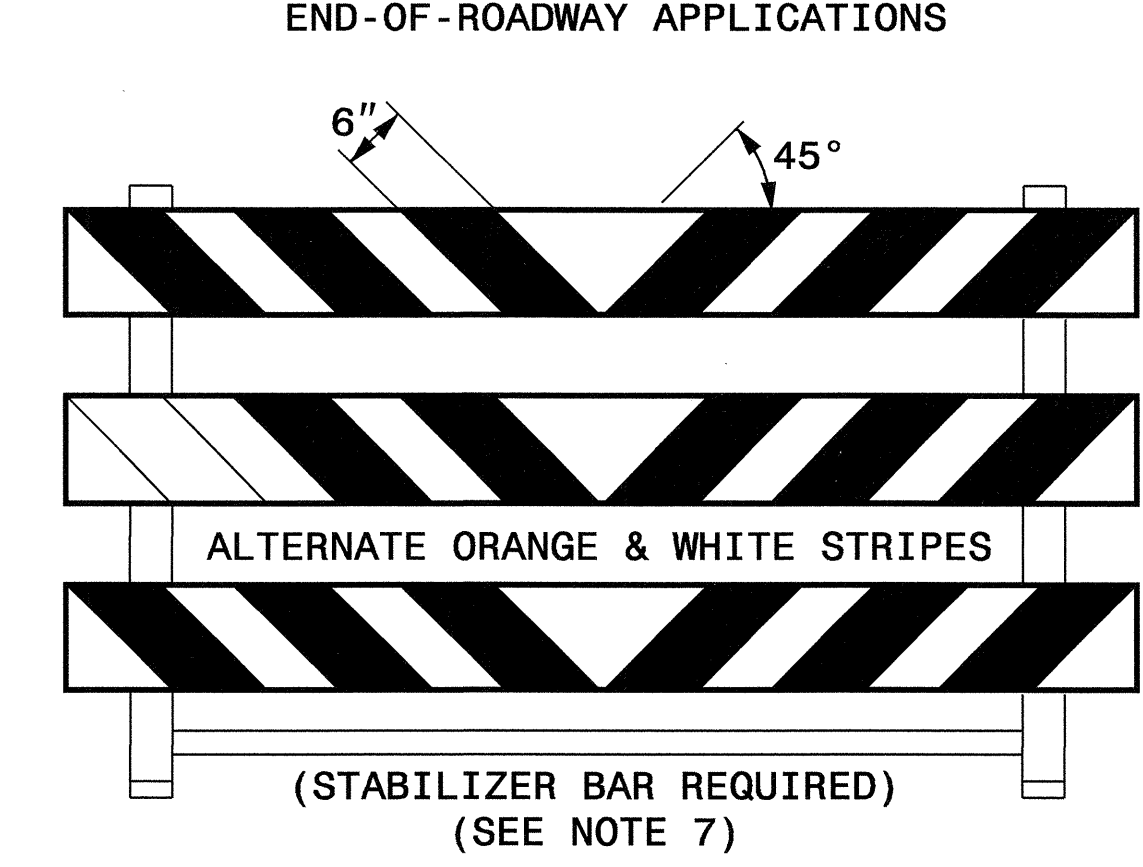
ENGLISH STANDARD DRAWING FOR
BARRICADES
 TYPE-III

SHEET 1 OF 1
1145D01

TYPE III BARRICADE



TYPE III BARRICADE
 END-OF-ROADWAY APPLICATIONS



GENERAL NOTES

- 1) HORIZONTAL RAILS FOR TYPE-III BARRICADES MAY BE HOLLOW/CORRUGATED EXTRUDED RIGID POLYOLEFIN, HIGH DENSITY POLYETHYLENE, OR OTHER NCDOT APPROVED RAILS. BARRICADE RAILS OF FRANGIBLE PLASTICS SUCH AS PVC MAY NOT BE USED. IF APPROVED PLASTIC TYPE RAILS ARE USED, THEY MUST BE FLAME TREATED BY THE MANUFACTURER SO THAT REFLECTIVE SHEETING MAY ADHERE PROPERLY.
- 2) BARRICADES AND BARRICADE RAILS ARE APPROVED AS A SINGLE UNIT.
- 3) BARRICADE SHALL BE LIMITED TO A MAXIMUM LENGTH OF 8 FT UNLESS NCHRP 350 CRASH TESTED AND NCDOT APPROVED.
- 4) ONLY NCDOT APPROVED COMPOSITE AND ROLL-UP SIGNS MAY BE MOUNTED ON THE BARRICADE.
- 5) SIGNS MOUNTED ON BARRICADES SHOULD NOT COVER MORE THAN 50 PERCENT OF THE TOP TWO RAILS OR 33 PERCENT OF THE TOTAL AREA OF THE THREE RAILS.
- 6) USE TYPE VII, VIII OR IX SHEETING ON BOTH SIDES OF THE RAILS.
- 7) BARRICADE MUST BE NCHRP 350 AND NCDOT APPROVED WITH STABILIZER BAR OR ADEQUATE LATERAL BRACING.
- 8) ASSEMBLY OF THE GENERIC BARRICADES MUST BE SELF CERTIFIED BY THE ASSEMBLER.
- 9) 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 PATTERN.
- 10) STRIPES ON WORK ZONE BARRICADE RAILS SHALL BE ALTERNATE ORANGE AND WHITE RETROREFLECTIVE STRIPES, SLOPED DOWNWARD TOWARDS THE SIDE WHICH TRAFFIC IS TO PASS OR TURN IN DETOURING. WHERE NO TURNS ARE INTENDED, THE STRIPES SHOULD SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE OR BARRICADES. USE RED AND WHITE STRIPES FOR PERMANENT BARRICADES.
- 11) SEE APPROVED PRODUCTS LIST FOR MANUFACTURERS OF APPROVED BARRICADES.
- 12) PLACE MANUFACTURER'S NAME AND FEDERAL HIGHWAY ADMINISTRATION'S NCHRP 350 APPROVAL LETTER NUMBER ON BARRICADE.
- 13) USE SANDBAGS PLACED ON THE LOWER PART OF THE FRAME FOR BALLASTING. DO NOT PLACE SANDBAGS ON TOP OF A STRIPED RAIL. DO NOT BALLAST BARRICADES BY HEAVY OBJECTS SUCH AS ROCKS, CHUNKS OF CONCRETE OR OTHER ITEMS THAT WOULD CAUSE DAMAGE IF THE BARRICADE IS STRUCK BY A VEHICLE.

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

1-05

ENGLISH STANDARD DRAWING FOR
BARRICADES
 TYPE-III

SHEET 1 OF 1
1145D01

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 ayusmi AT WZ TC220239

APPROVED: <i>MMM</i> DATE: 11/04/05	REPLACEMENT DETAIL FOR RSD 1145.01	
	SCALE: NONE	
	DATE: 11/04	
	DWG. BY: MMM	
	DESIGN BY: MMM	
REVIEWED BY: MMM	REVISIONS	