

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-4523	TCP-1

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

B-4523

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 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
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1130.01	DRUM
1145.01	BARRICADES
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY & PERMANENT)
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1261.03	GUARDRAIL END DELINEATOR

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, INDEX OF SHEETS AND FINAL PAVEMENT MARKING SCHEDULE
TCP-2	PROJECT NOTES AND PHASING
TCP-3	DETOUR ROUTE AND BARRICADE PLACEMENT
SD-1	SPECIAL SIGN DESIGN

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
 - 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

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM	QUANTITY BREAKDOWN	TOTAL QUANTITY
PAVEMENT MARKINGS				
PA	WHITE EDGELINE (2X)	PAINT(4")	2200 LF	4400 LF
PI	YELLOW DOUBLE CENTER (2X)	PAINT(4")	1100 LF	4400 LF
			TOTAL: 8800 LF	
MARKERS				
PERMANENT RAISED PAVEMENT MARKERS				
MA	YELLOW & YELLOW		30 EA	
			TOTAL: 30 EA	
NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, 1X IMPLIES A SINGLE APPLICATION, 2X IMPLIES TWO APPLICATIONS, AND 3X IMPLIES THREE APPLICATIONS.				

TIP PROJECT:

10-DEC-2008 10:26 \\dot\dfs\o\T01\Proj\TIP\projects-b\4523\TrafficControl\Tcp\B4523_TCP1.dgn al\udml AT WZTC237440

APPROVED: _____ DATE: _____	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
	J.S. BOURNE, P.E. TRAFFIC CONTROL ENGINEER
	J. ISHAK, P.E. TRAFFIC CONTROL PROJECT ENGINEER
	J.L. PORTANOVA, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
	ALLA LYUDMIRSKAYA TRAFFIC CONTROL DESIGN ENGINEER

PROJECT 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) PROVIDE PERMANENT SIGNING.
 C) PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.
 D) COVER OR REMOVE ALL DETOUR SIGNS WITHIN AND OFF THE PROJECT LIMITS WHEN A 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 ROADWAY.

PAVEMENT MARKINGS AND MARKERS

- G) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOW:

ROAD NAME	MARKINGS	MARKER
BOB DANIEL RD. (SR 1307)	PAINT	RAISED PERMANENT

- H) PLACE TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE. PLACE THE SECOND APPLICATION OF PAINT UPON SUFFICIENT DRYING TIME OF THE FIRST.
 I) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

PHASING

NOTE: USING INCIDENTAL STONE, MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES DURING CONSTRUCTION AS SHOWN IN ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER



STEP 1: USING RSD 1101.03, SHEET 1 OF 9, SHEETS TCP-3 AND SD-1, INSTALL DETOUR SIGNS, PLACE TYPE III BARRICADES TO CLOSE SR 1307 (BOB DANIEL RD.) TO TRAFFIC, AND DETOUR TRAFFIC OFFSITE.

STEP 2: AWAY FROM TRAFFIC, COMPLETE THE FOLLOWING:

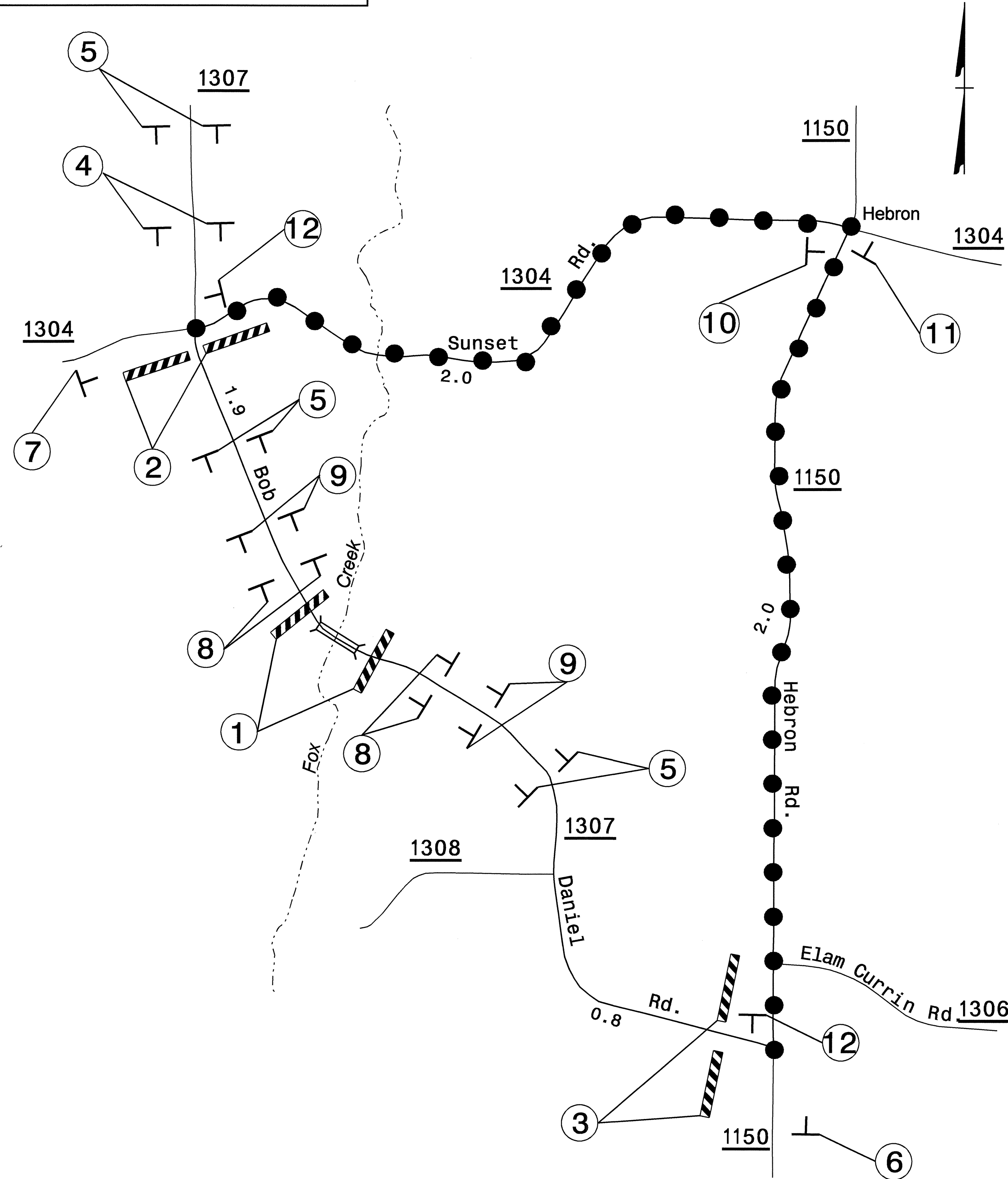
- 1) - REMOVE EXISTING STRUCTURE No.164 AND CONSTRUCT PROPOSED STRUCTURE FROM -L- STA.16+69.50 TO -L- STA.17+89.50. SEE ROADWAY PLANS.
 - CONSTRUCT PROPOSED ROADWAY UP TO AND INCLUDING FINAL LAYER OF SURFACE COURSE FROM -L- STA.10+25+/- TO -L- STA.20+50+/- . SEE ROADWAY PLANS.
- 2) PLACE FINAL PAVEMENT MARKING (PAINT) & FINAL PAVEMENT MARKERS (PERMANENT RAISED) FROM -L- STA. 10+25+/- TO -L- STA.20+50+/-, AND TIE IN TO EXISTING PAVEMENT MARKING.

STEP 3: REMOVE ALL TEMPORARY WORK ZONE TRAFFIC CONTROL DEVICES AND ALL DETOUR SIGNING. OPEN SR 1307 (BOB DANIEL RD.) TO TWO-LANE, TWO-WAY TRAFFIC PATTERN.

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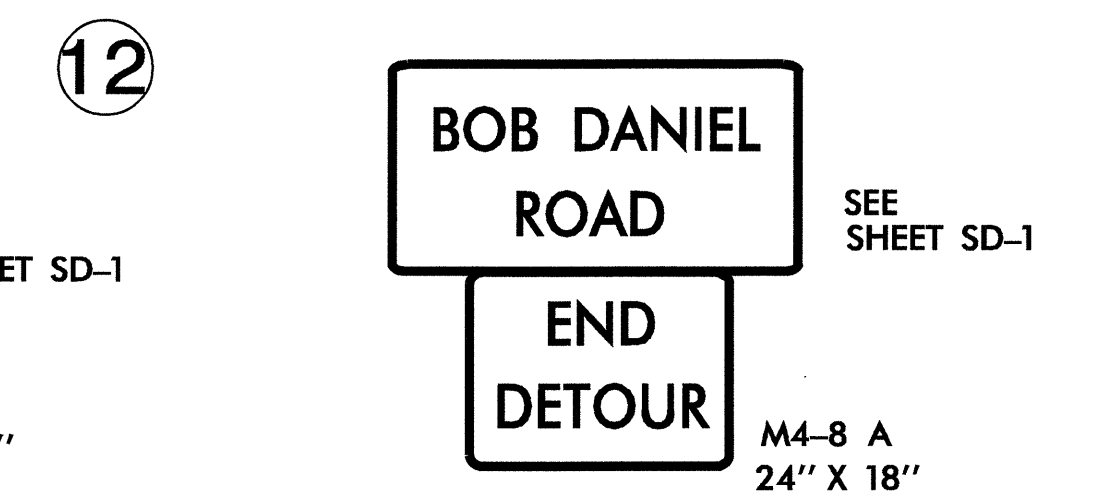
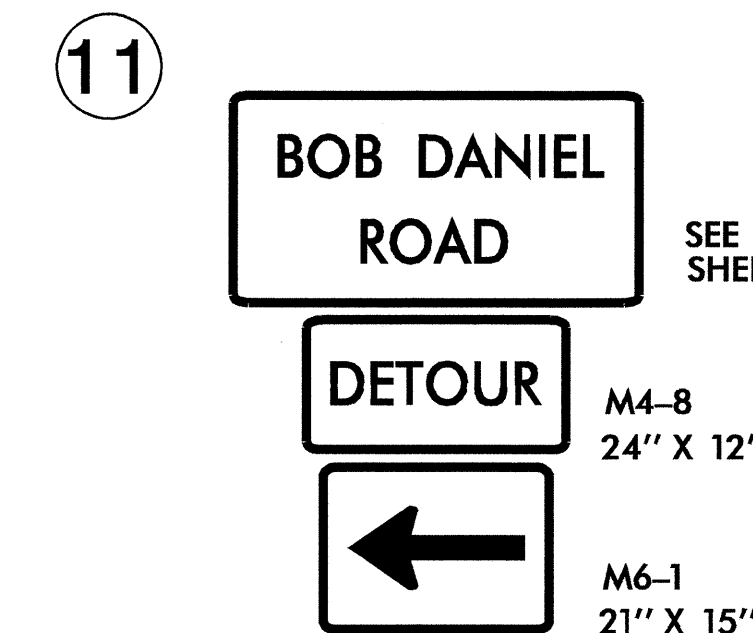
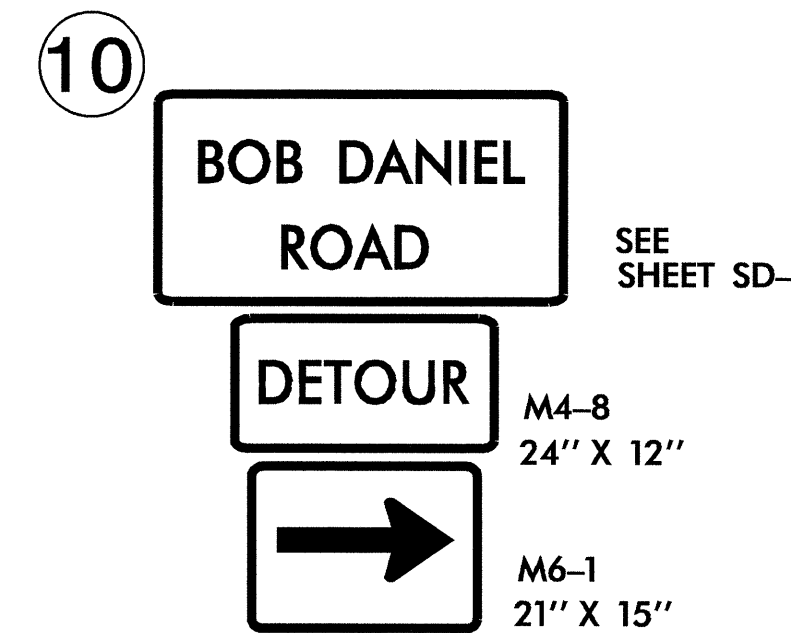
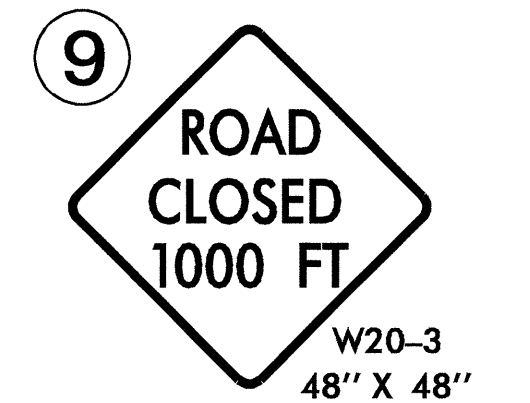
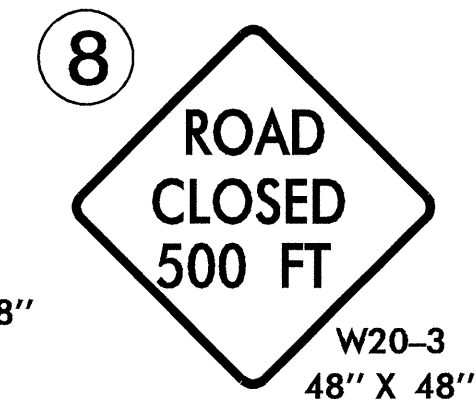
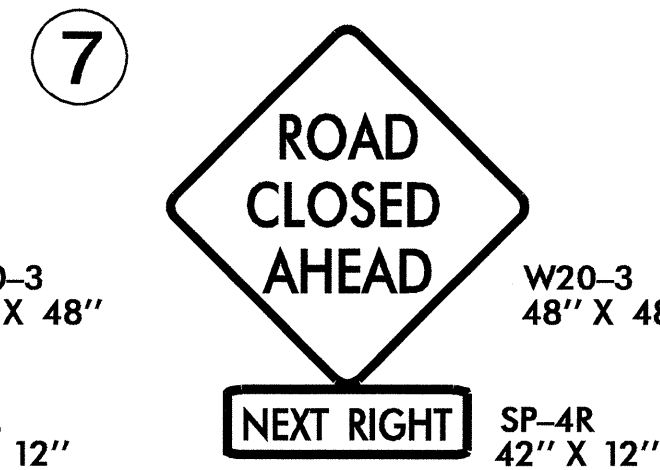
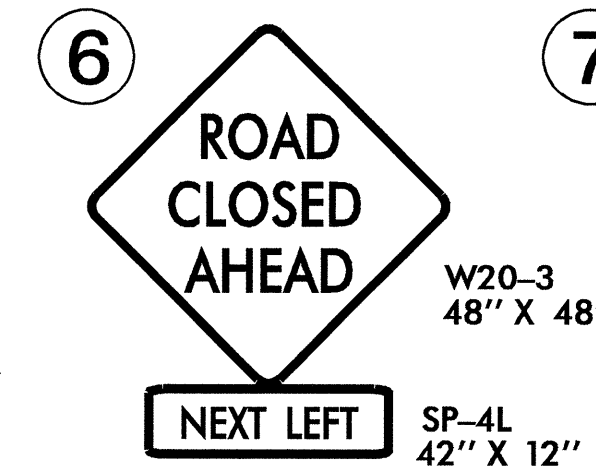
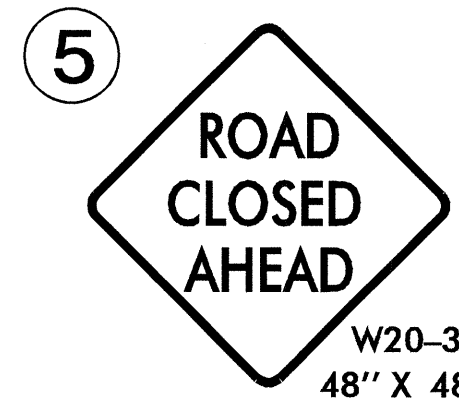
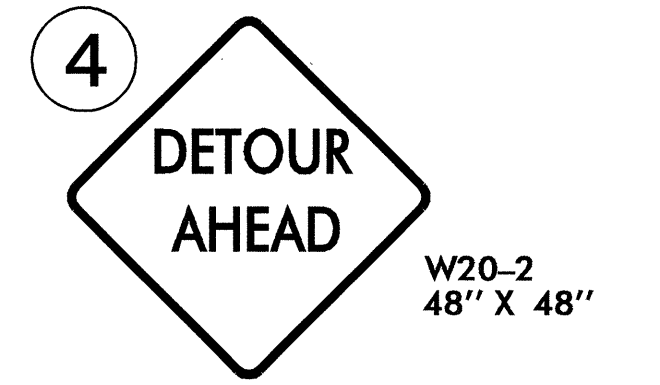
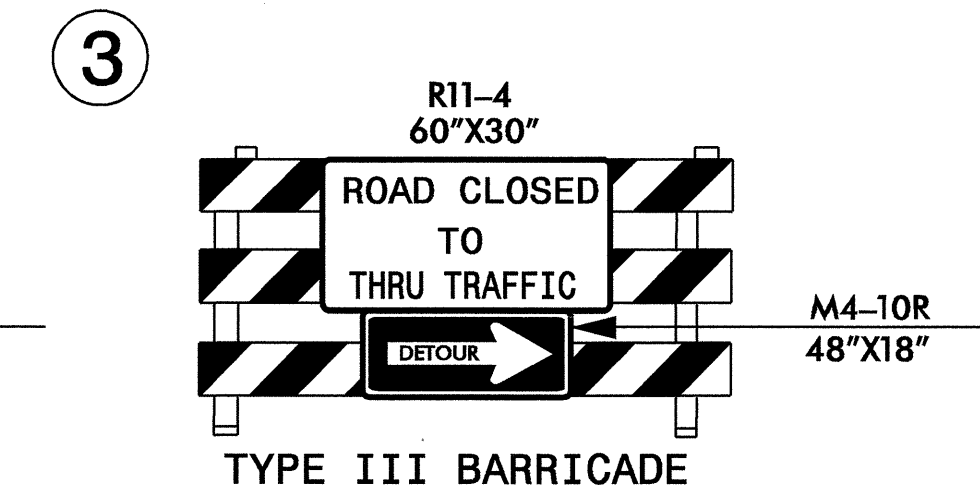
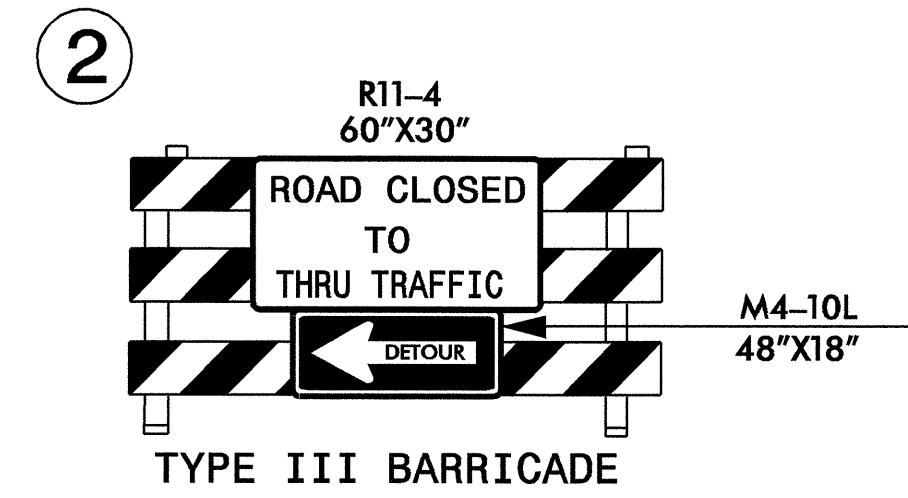
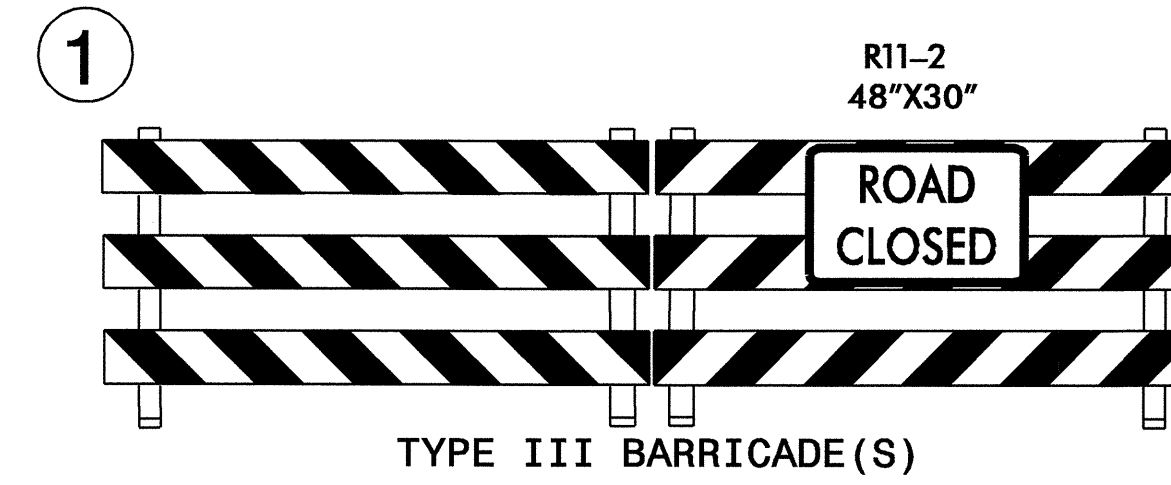
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GRANVILLE COUNTY



OFF-SITE DETOUR ROUTE

NOTES:
 1. SEE RSD 1101.03, SHEET 1 OF 9, FOR ALL OTHER REQUIRED SIGNS, NOTES AND PLACEMENT.
 2. SEE SHEET SD-1 FOR DETOUR SIGN DESIGN.



APPROVED: _____	DATE: _____	DETOUR ROUTE AND BARRICADE PLACEMENT					
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