

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-4664	TCP-1

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

B-4664

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR 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
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY & PERMANENT)
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
TCP-3	OFF-SITE DETOUR ROUTE
TCP-4	OFF-SITE DETOUR SIGNING
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
- 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

PAVEMENT MARKING SCHEDULE			
TIP PROJECT # B-4664			
SYMBOL	DESCRIPTION	PAY ITEM QUANTITY	TOTAL
FINAL PAVEMENT MARKINGS			
PAINT (4")			
PA	WHITE EDGELINE (2X)	3740 LF	
PI	YELLOW DOUBLE CENTER (2X)	3740 LF	
		TOTAL	7480 LF
MARKERS			
PERMANENT RAISED PAVEMENT MARKERS			
MA	YELLOW & YELLOW	10 EA	
		TOTAL	10 EA

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, 2X IMPLIES TWO APPLICATIONS

APPROVED:	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
DATE: 03/22/08	
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
	W. S. ARMSTRONG TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

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TIP PROJECT:

PROJECT NOTES

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.

TRAFFIC PATTERN ALTERATIONS

- A) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- B) INSTALL ADVANCE WORK ZONE WARNING SIGNS NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- C) PROVIDE PERMANENT SIGNING.
- D) PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.
- E) COVER OR REMOVE ALL DETOUR SIGNS WITHIN AND OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- F) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

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

PAVEMENT MARKINGS AND MARKERS

- H) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
RUSSELL UNION ROAD	PAINT	RAISED PERMANENT

- I) 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.
- J) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

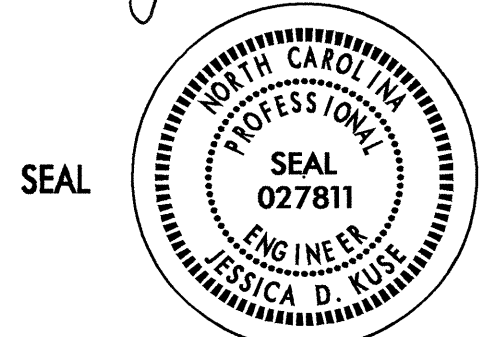
LOCAL NOTES

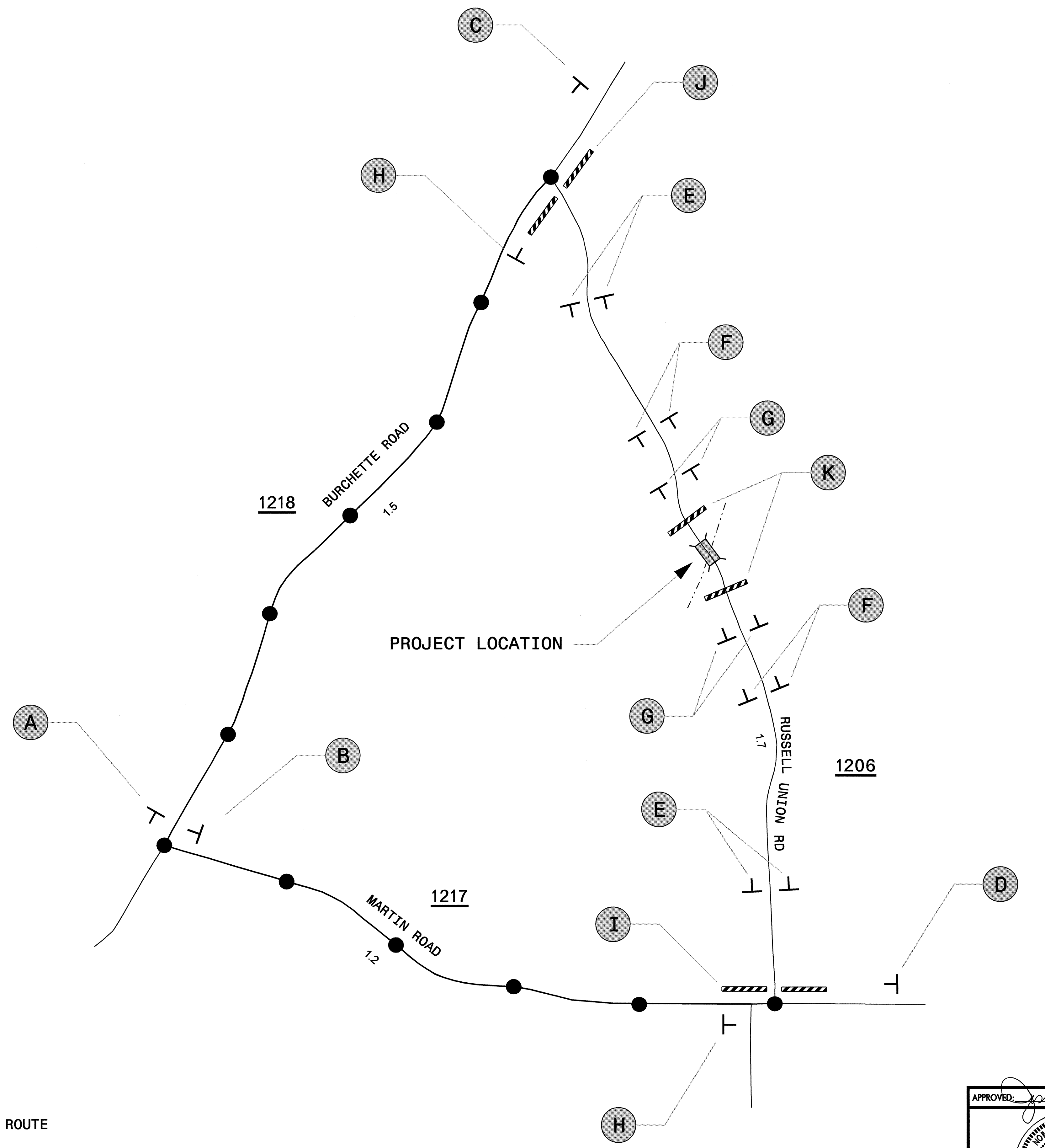
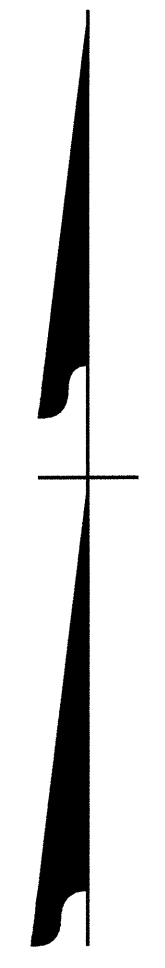
1. ENSURE PROPOSED ROAD CLOSURE AND DETOUR ROUTE IS COORDINATED THROUGH DIVISION OFFICE WITH THE WARREN COUNTY SCHOOLS AND WARREN COUNTY EMERGENCY SERVICES AT LEAST ONE (1) MONTH PRIOR TO ROAD CLOSURE AND DETOUR OPERATION.
2. INSTALL SIGNS BEFORE THE BARRICADES WHEN CLOSING THE ROADWAY TO TRAFFIC. REMOVE BARRICADES BEFORE SIGNS WHEN OPENING 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. REAPPLY PAVEMENT MARKINGS BEYOND ACTUAL CONSTRUCTION LIMITS, AS NEEDED, TO REPAIR DAMAGE AND/OR TRACKING FROM CONSTRUCTION.

PHASING

- STEP 1 INSTALL SIGNS AND BARRICADES CLOSING SR 1206 (RUSSELL UNION RD) TO THROUGH TRAFFIC AS SHOWN ON SHEETS TCP-3 AND TCP-4, AND IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1101.03 SHEETS 1 AND 2 OF 9. (SEE LOCAL NOTES 1, 2, 3)
- STEP 2 - PERFORM THE FOLLOWING WITHIN THE ROAD CLOSURE: (SEE LOCAL NOTE 2)
- REMOVE THE EXISTING STRUCTURE
 - CONSTRUCT THE PROPOSED STRUCTURE
 - CONSTRUCT THE PROPOSED ROADWAY SECTION -L- INCLUDING THE FINAL SURFACE LAYER FROM -L- STA. 11+00+/- TO -L- STA. 19+35+/-
- STEP 3 PLACE THE FINAL PAVEMENT MARKINGS AND PERMANENT MARKERS FROM -L- STA. 11+00+/- TO -L- STA. 19+35+/- (SEE LOCAL NOTE 4)
- STEP 4 REMOVE ALL BARRICADES, ROAD CLOSED SIGNS, AND DETOUR SIGNS AND OPEN SR 1206 (RUSSELL UNION RD) TO THROUGH TRAFFIC (SEE LOCAL NOTE 2)

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APPROVED: <i>J. Williams</i> DATE: <i>5/21/08</i> 	<h3>PROJECT NOTES</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">SCALE: NONE</td> <td style="width: 70%;"></td> </tr> <tr> <td>DATE: 04/08</td> <td></td> </tr> <tr> <td>DWG. BY: WSA</td> <td></td> </tr> <tr> <td>DESIGN BY: WSA</td> <td></td> </tr> <tr> <td>REVIEWED BY: JDK</td> <td></td> </tr> </table>	SCALE: NONE		DATE: 04/08		DWG. BY: WSA		DESIGN BY: WSA		REVIEWED BY: JDK		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <td style="width: 5%;">NO.</td> <td style="width: 95%;">DESCRIPTION</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	REVISIONS		NO.	DESCRIPTION				
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LEGEND

● — ● DETOUR ROUTE

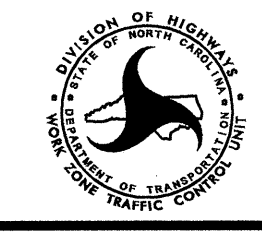
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 AT WZTC224239
 sarmstrong

APPROVED: *Jessica Kuse* DATE: *5/22/08*

SEAL

OFF-SITE DETOUR ROUTE

SCALE: NONE
 DATE: 04/08
 DWG. BY: WSA
 DESIGN BY: WSA
 REVIEWED BY: JDK



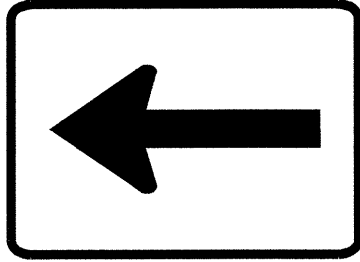
REVISIONS	

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A (1 SET)

RUSSEL UNION RD
SP08106
42" X 24"
(SEE SHEET SD-1)

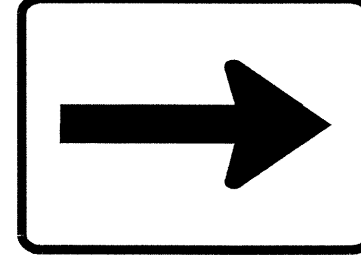
DETOUR
M4-8
24" X 12"


M6-1 L
21" X 15"


B (1 SET)

RUSSEL UNION RD
SP08106
42" X 24"
(SEE SHEET SD-1)

DETOUR
M4-8
24" X 12"



M6-1
21" X 15"

C (1 SET)


W20-3
48" X 48"


NEXT LEFT
SP-4L
42" X 12"

D (1 SET)



W20-3
48" X 48"

NEXT RIGHT
SP-4R
42" X 12"


E (4 EA)


W20-3
48" X 48"

F (4 EA)


W20-3
48" X 48"

G (4 EA)


W20-3
48" X 48"


H (2 EA)

END
DETOUR
M4-8 A
24" X 18"

I (2 EA)

R11-4
60" X 30"

ROAD CLOSED
TO
THRU TRAFFIC



M4-10L
48" X 18"

TYPE III BARRICADE

J (2 EA)

R11-4
60" X 30"

ROAD CLOSED
TO
THRU TRAFFIC


M4-10R
48" X 18"

TYPE III BARRICADE

K (2 SETS)

R11-2
48" X 30"


ROAD
CLOSED

TYPE III BARRICADE(S)

APPROVED: *J. M. K...* DATE: 5/27/09

SEAL

OFF-SITE DETOUR SIGNING

SCALE: NONE		REVISIONS
DATE: 04/08		
DWG. BY: WSA		
DESIGN BY: WSA		
REVIEWED BY: JDK		

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