

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-4088	TCP-1

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

B-4088

**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
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD 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 & 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
1262.01	GUARDRAIL END DELINEATION

**INDEX OF SHEETS**

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, FINAL PAVEMENT MARKING SCHEDULE AND INDEX OF SHEETS
TCP-2	PROJECT NOTES AND PHASING
TCP-3	ROAD CLOSURE AND DETOUR SIGNINGS

**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

**Final Pavement Marking Schedule**

SYMBOL	DESCRIPTION	PAY ITEM	QUANTITY	TOTAL QUANTITY
PAVEMENT MARKINGS				
PAINT (4")				
PA	WHITE EDGELINE (2X)	3200 LF		
PI	YELLOW DOUBLE CENTER (2X)	3200 LF		
		TOTAL		6400 LF
MARKERS				
PERMANENT RAISED PAVEMENT MARKERS				
MA	YELLOW & YELLOW	10 EA		
		TOTAL		10 EA

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, 1X IMPLIES A SINGLE APPLICATION, 2X IMPLIES TWO APPLICATIONS, AND 3X IMPLIES THREE APPLICATIONS.

APPROVED: _____ DATE: _____	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
	STUART BOURNE, P.E. TRAFFIC CONTROL ENGINEER
	JOSEPH ISHAK, P.E. TRAFFIC CONTROL PROJECT ENGINEER
	HABIB LAWANDOS TRAFFIC CONTROL PROJECT DESIGN ENGINEER
	JOE FUTRELL TRAFFIC CONTROL DESIGN ENGINEER

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JFutrell AT WZTC22466

TIP PROJECT:

# PROJECT NOTES

PROJ. REFERENCE NO.	SHEET NO.
B-4088	TCP 2

## GENERAL NOTES

## PHASING

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 UNDESIRABLE 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) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 100 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

WHEN NO WORK IS BEING CONDUCTED FOR A PERIOD LONGER THAN ONE WEEK, REMOVE OR COVER ALL ADVANCE WORK ZONE WARNING SIGNS, AS DIRECTED BY THE ENGINEER, AT NO COST TO THE DEPARTMENT.

- C) STATE FORCES WILL 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. STAGGER OR OVERLAP BARRICADES TO ALLOW FOR INGRESS OR EGRESS

### PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
1. SR 1615 (SAINT DELIGHT'S ROAD)	PAINT	PERMANENT RAISED
- I) PLACE AT LEAST TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE ON NEW ASPHALT PAVEMENT. PLACE ADDITIONAL APPLICATIONS OF PAINT UPON SUFFICIENT DRYING TIME, AS DETERMINED BY THE ENGINEER.
- J) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

### STEP 1:

USING RSD 1101.02 SHEET 1 OF 9, RSD 1101.03 SHEET 1 OF 9 AND TCP-3, PERFORM THE FOLLOWING:

- INSTAL DETOUR AND ROAD CLOSURE SIGNINGS.
- CLOSE SR 1615 (SAINTS DELIGHT CHURCH ROAD) TO TRAFFIC.

NOTE: MAINTAIN ACCESS TO THE DRIVEWAY LOCATED WITHIN THE PROJECT LIMITS AT ALL TIME DURING THE ROAD CLOSURE.

### STEP 2:

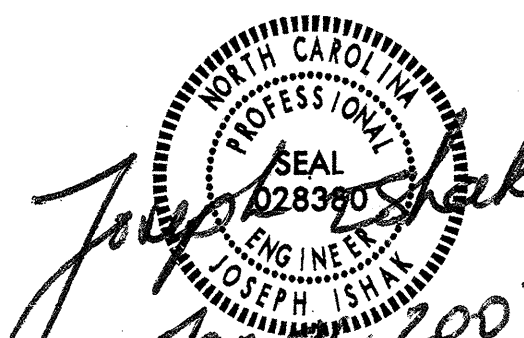
AWAY FROM TRAFFIC PERFORM THE FOLLOWING:

- REMOVE EXISTING BRIDGE NO. 74 AND CONSTRUCT PROPOSED BRIDGE.
- CONSTRUCT PROPOSED ROADWAY FROM -L- STA. 17+50 +/- TO -L- STA. 25+50 +/- UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE. SEE ROADWAY PLANS.
- PLACE FINAL PAVEMENT MARKING (PAINT) AND FINAL MARKERS (PERMANENT RAISED) ON SR 1615 FROM -L- STA. 17+50 +/- TO -L- STA. 25+50 +/-.

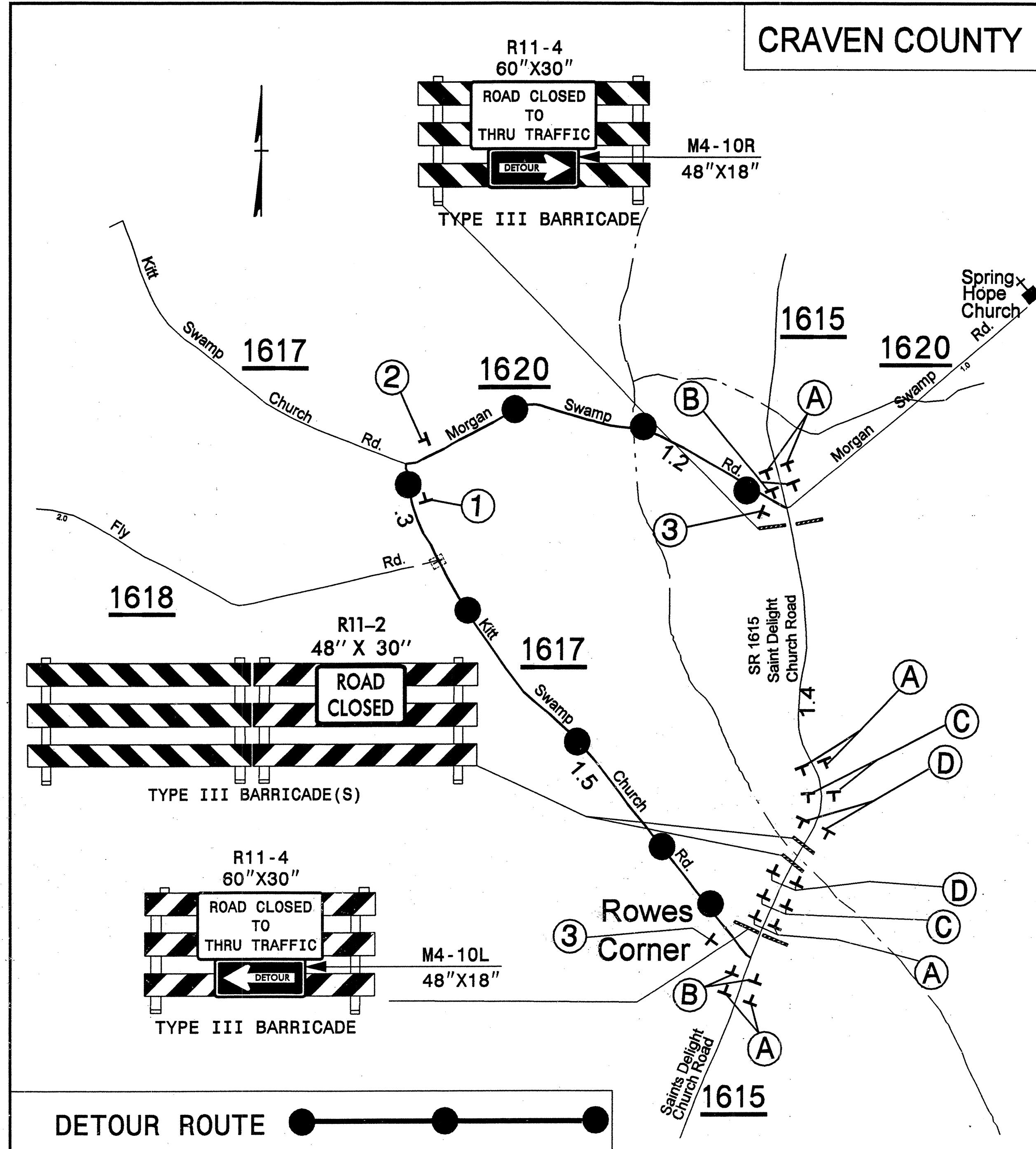
### STEP 3:

REMOVE OFFSITE DETOUR SIGNINGS AND ALL TRAFFIC CONTROL DEVICES AND OPEN SR 1615 (SAINTS DELIGHT CHURCH ROAD) TO PROPOSED TRAFFIC PATTERN.

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 Juffrell AT WZTC224166

APPROVED: _____	DATE: _____	<b>PROJECT NOTES AND PHASING</b>	
		SCALE: NONE	REVISIONS
DESIGN BY: JLF		DATE: JAN. 2007	
REVIEWED BY: HAL		DWG. BY: JLF	
		DESIGN BY: JLF	
		REVIEWED BY: HAL	

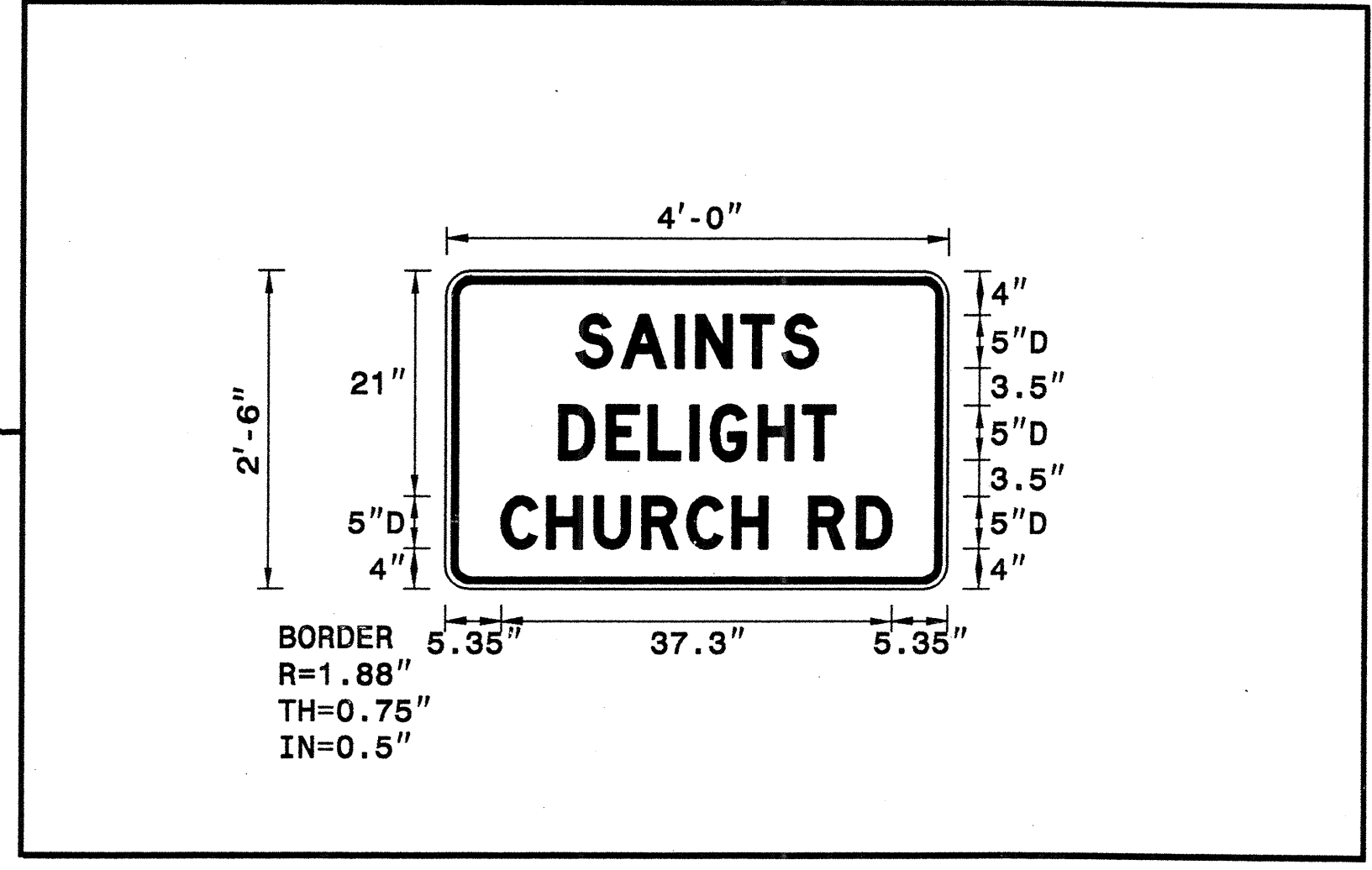
CRAVEN COUNTY



Sign Number: \_\_\_\_\_ Design By: DME Check By: \_\_\_\_\_ STD #: N/A  
 Type: D Ground Project ID: B-4088 DIV: 2 Date: Jan 03, 2007  
 Quantity: \_\_\_\_\_

Sign Width: 4'-0" Background Color: Fluorescent Orange  
 Height: 2'-6" Legend & Border Color: Black  
 Total Area: 10.0 Sq.Ft.

Border Type: Recessed Backing Material: 0.125 in. Aluminum  
 Recess: 0.5" Width: 0.079 in. Composite  
 Width: 0.75" Radii: 1.88"

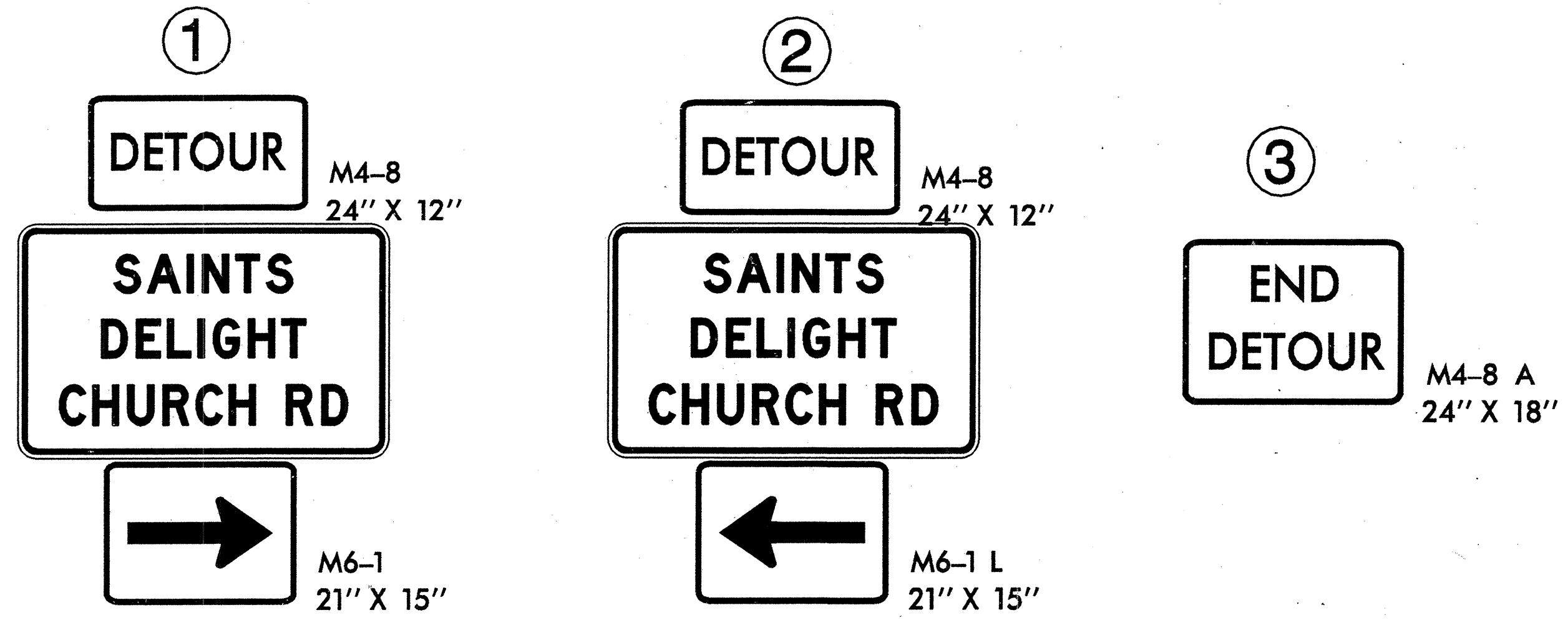
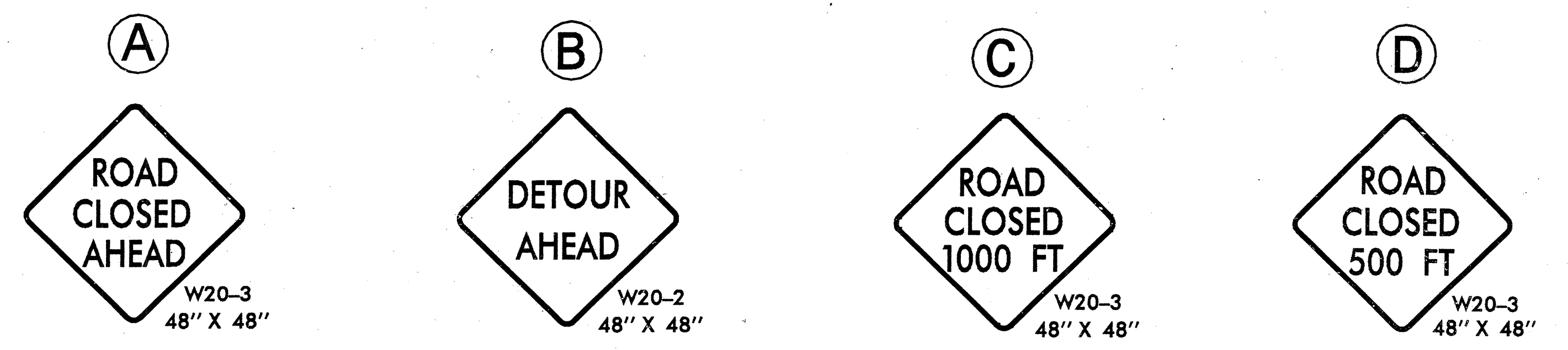


- NOTES:
1. Legend and border shall be direct applied non-reflective sheeting.
  2. Background shall be Type VII, VIII, or IX (prismatic) retroreflective sheeting.

Letter spacings are to start of next letter

Series/Size	Text Length
S A I N T S	D
12.5 4.3 5.1 2 4.3 4 3.4 12.5	23.1
D E L I G H T	D
10.8 4.6 4 4 2 4.6 4.3 3.1 10.8	26.4
C H U R C H R D	D
5.3 4.3 4.6 4.6 4.3 4.3 3.4 4 4.6 3.3 5.3	37.3

Spacing Factor is 1 unless specified otherwise



APPROVED: _____ DATE: _____	ROAD CLOSURE AND DETOUR SIGNINGS		REVISIONS
	DATE: JAN. 2007		
	DWG. BY: JLF		
	DESIGN BY: JLF		
	REVIEWED BY: HAL		

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