

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-4042	TCP-1

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

B-4042

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
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES

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
TCP-4	DETOUR 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

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM	QUANTITY BREAKDOWN	TOTAL QUANTITY
PAVEMENT MARKINGS				
PA	WHITE EDGELINE (2X)	PAINT (4")	3,200 LF	
PI	YELLOW DOUBLE CENTER (2X)	PAINT (4")	3,200 LF	
			TOTAL	6,400 LF

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

APPROVED: _____ DATE: _____	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
	J. S. BOURNE, PE <i>TRAFFIC CONTROL ENGINEER</i>
	J. ISHAK, PE <i>TRAFFIC CONTROL PROJECT ENGINEER</i>
	J. L. PORTANOVA, PE <i>TRAFFIC CONTROL PROJECT DESIGN ENGINEER</i>
	E. K. GROUNDWATER <i>TRAFFIC CONTROL DESIGN ENGINEER</i>

TIP PROJECT:

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 UNDESIRABLE 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 FOLLOWS:

ROAD NAME	MARKING	MARKER
FRANK WHISNANT RD. (SR 1248)	PAINT	N/A

- 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: MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

- STEP 1. USING RSD 1101.03 SHEET 1 OF 9 AND SHEET TCP-3, INSTALL DETOUR SIGNS AND PLACE TYPE III BARRICADES TO CLOSE FRANK WHISNANT RD. (SR 1248) TO THRU TRAFFIC AND DETOUR TRAFFIC ONTO PROPOSED DETOUR.

STEP 2: AWAY FROM TRAFFIC, PERFORM THE FOLLOWING:

- REMOVE EXISTING STRUCTURE NO. 274 AND CONSTRUCT PROPOSED STRUCTURE. SEE ROADWAY PLANS.
- CONSTRUCT PROPOSED -L- UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- PLACE PERMANENT PAVEMENT MARKINGS (PAINT) ON PROPOSED -L- (FRANK WHISNANT RD.) AND TIE INTO EXISTING MARKINGS.

STEP 3: REMOVE ALL TRAFFIC CONTROL DEVICES AND REMOVE ALL DETOUR SIGNING.

- OPEN FRANK WHISNANT RD. (SR 1248) TO TWO-LANE, TWO-WAY TRAFFIC.

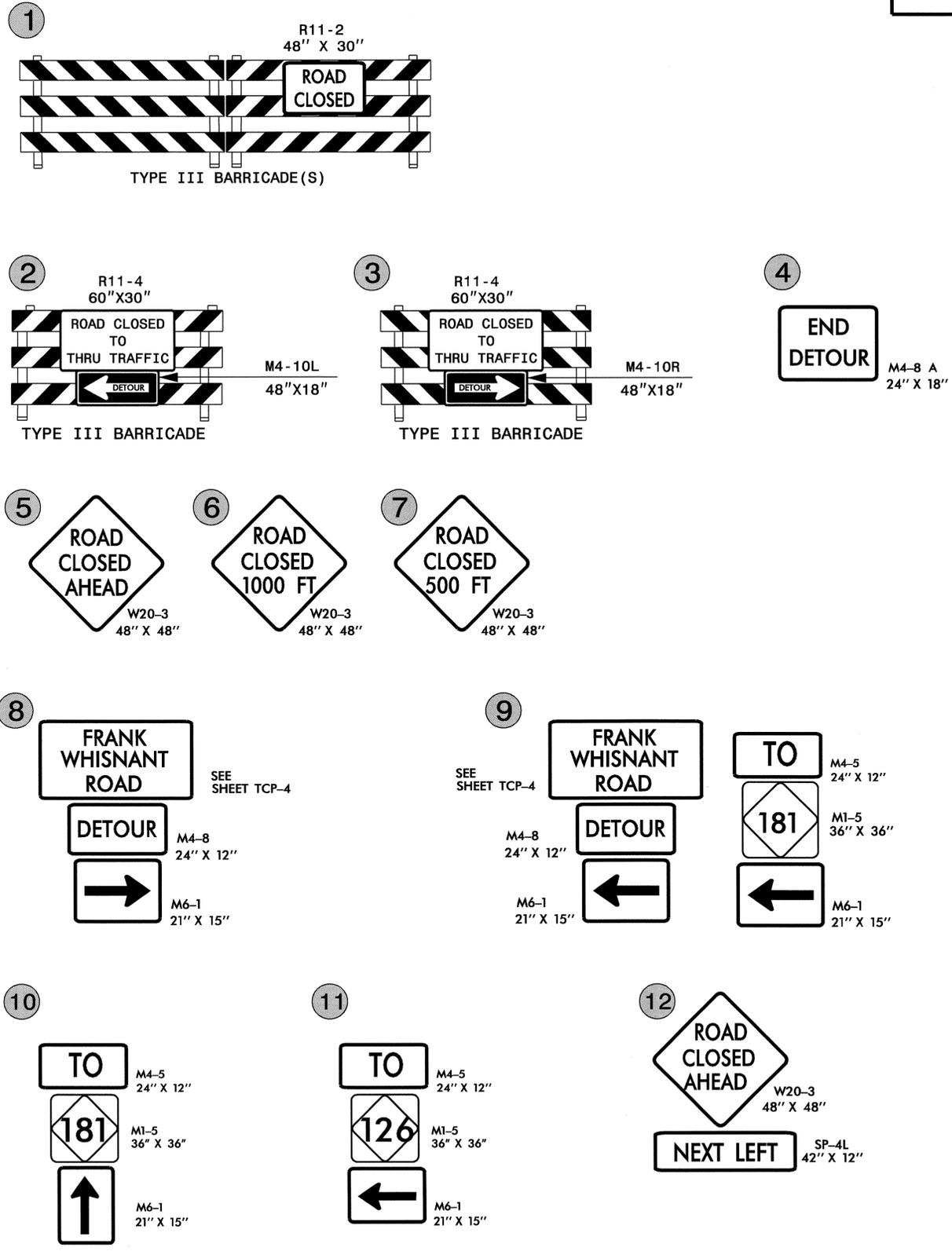
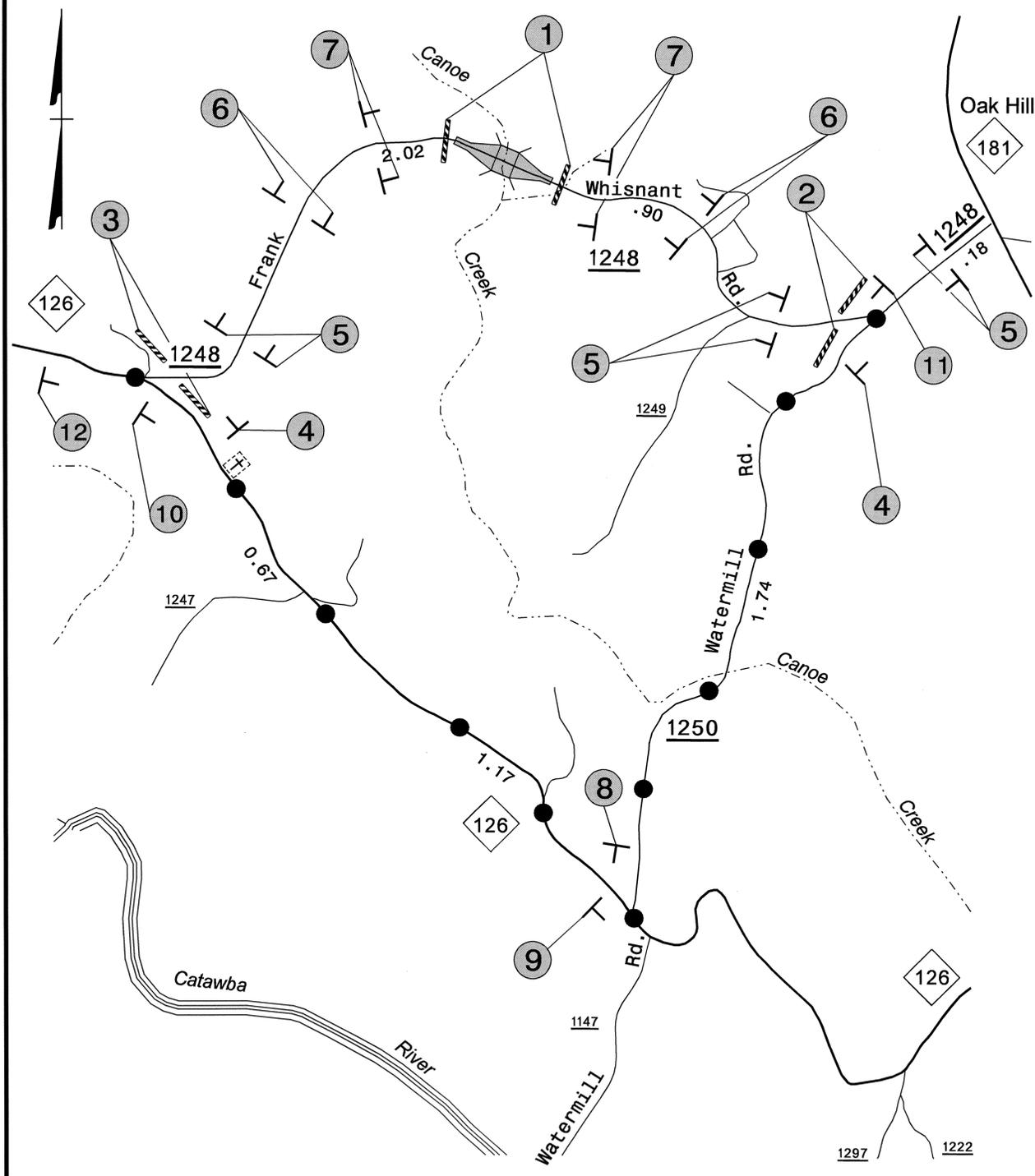
LOCAL NOTE TO CONTRACTOR

COORDINATE WITH THE CONTRACTOR FOR B-3814 (BRIDGE 56 OVER CANOE CREEK ON SR 1250) SO THAT SR 1248 (FRANK WHISNANT RD.) IS COMPLETE PRIOR TO CLOSING SR 1250 (WATERMILL RD.) TO COMPLETE CONSTRUCTION.

APPROVED: _____	DATE: _____	PROJECT NOTES AND PHASING	
			
		DATE: 08/07	REVISIONS
DWG. BY: EKG			
DESIGN BY: EKG			
REVIEWED BY: JLP			

BURKE COUNTY

PROJ. REFERENCE NO.	SHEET NO.
B-4042	TCP-3



OFF-SITE DETOUR ROUTE ●—●—●
SEE SHEET TCP-4 FOR DETOUR SIGN DESIGN

APPROVED:	DATE:	DETOUR ROUTE AND BARRICADE PLACEMENT	
SCALE: NONE	DATE: 08/07		REVISIONS
DWG. BY: EKG	DESIGN BY: EKG		
REVIEWED BY: JLP			

3-AUG-2007 06:49 \\dot\dfs\cof\N\Proj\TIPPs\Projects-B\B4042\Traffic\TrafficControl\TCP-B-4042_TCP3.dgn
ekgroundwater AT WZTC224164

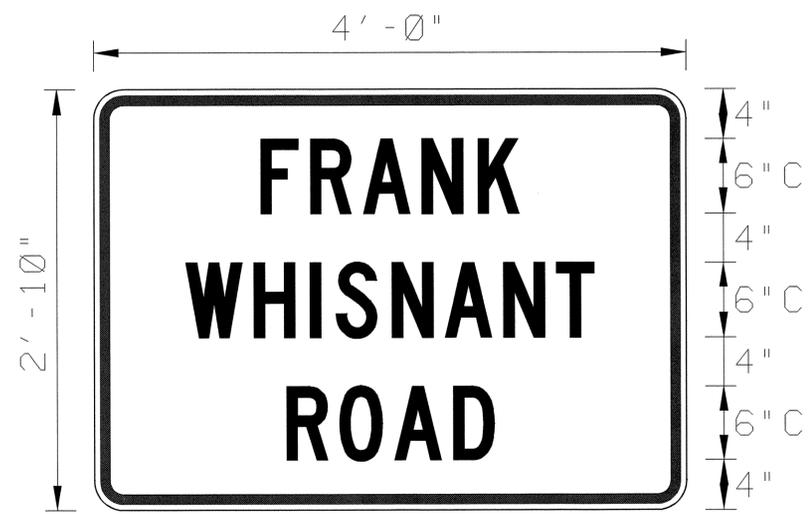
SIGN NUMBER: SP05226
TYPE: D
QUANTITY: 1
SIGN WIDTH: 48"
HEIGHT: 34"
TOTAL AREA: 11.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0.5"
WIDTH: 0.75"
RADII: 1.88"
NO. Z BARS:
LENGTH:

BACKG COLOR: Flourescent Orange
COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM
 0.079" COMPOSITE

DESIGN BY: R. HENNEIN
PROJECT ID: B-4042
CHECKED BY:
DIV: 13
STD #: N/A
DATE: Jul 25, 2005



BORDER
 R = 1.88"
 TH = 0.75"
 IN = 0.5"

USE 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 POSITIONS

Letter spacings are to start of next letter											Series/Size	
											Text Length	
	F	R	A	N	K							C6
13.6	4	4.3	4.8	4.5	3.3	13.6						20.9
	W	H	I	S	N	A	N	T				C6
7.5	5.5	4.6	2.1	4.6	4.3	4.8	4.3	3	7.5			33
	R	O	A	D								C6
15.6	4.3	4.5	4.8	3.3	15.6							16.8

Spacing Factor is 1 unless specified otherwise

3-AUG-2007 06:54
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 ekgroundwater AT WZIC22464

APPROVED:	DATE: 8/31/07	DETOUR SIGN DESIGN	
	SCALE: NONE		REVISIONS
	DATE: 08/07		
	DWG. BY:		
	DESIGN BY:		
REVIEWED BY:			