B-4157

TIP PROJECT:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-4157	TCP-01

PLAN FOR PROPOSED TRAFFIC CONTROL, MARKING & DELINEATION

IREDELL COUNTY

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
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
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS
1264.02	PLACEMENT OF OBJECT MARKERS

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-01	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, INDEX OF SHEETS, PHASING AND PAVEMENT MARKING SCHEDULE
TCP-02	GENERAL NOTES AND SIGN DESIGN
TCP-03	DETOUR AND SIGNING

PHASING

1) USING ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9 AND TCP-03, CLOSE SR 1581 AND DETOUR TRAFFIC.

2) REMOVE EXISTING BRIDGE AND CONSTRUCT PROPOSED BRIDGE AND APPROACHES, UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE.

3) PLACE FINAL PAVEMENT MARKINGS. REMOVE ALL TRAFFIC CONTROL DEVICES AND RE-OPEN SR 1581 TO TRAFFIC.

PAVEMENT MARKING SCEDULE

DESCRIPTION	QUANTITY BREAKDOWN	TOTAL QUANTITY
	PAINT(4")	
WHITE EDGELINE	5300 LF	
YELLOW DOUBLE CENTER	5300 LF	
		TOTAL 10600 LF

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

APPROVED: John S. Kite, Jr. DATE: November 13, 2007

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 022104 ENGINEER JOHN S. KITE, JR.

PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT

STUART BOURNE, P.E. — TRAFFIC CONTROL ENGINEER

J. STEVE KITE, P.E. — TRAFFIC CONTROL PROJECT ENGINEER

DON PARKER — TRAFFIC CONTROL PROJECT DESIGN ENGINEER

ASHVIN PATEL — TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

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PROJ. REFERENCE NO.	SHEET NO.
B-4157	TCP-02
IREDELL	

GENERAL 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.

C) PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.

D) THE CONTRACTOR WILL 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. STAGGER OR OVERLAP BARRICADES TO ALLOW FOR INGRESS OR EGRESS.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
DAMASCUS CHURCH ROAD (SR 1581)	PAINT	NONE

H) 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.

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

SPECIAL SIGN DESIGN

SIGN NUMBER: SP07007
TYPE: D
QUANTITY: 1
SIGN WIDTH: 4'-0"
HEIGHT: 2'-0"
TOTAL AREA: 8.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0.38"
WIDTH: 0.63"
RADII: 1.5"
NO. Z BARS:
LENGTH:

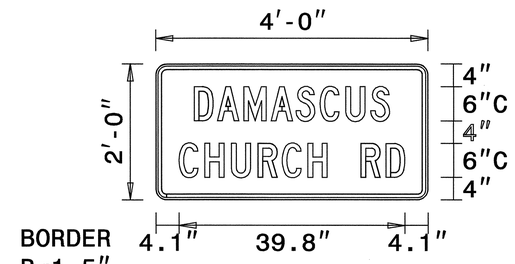
BACKG COLOR: Fluorescent Orange
COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0 mm) ALUMINUM
0.079" COMPOSITE

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.

DESIGN BY: KLJ
PROJECT ID: B-4157
CHECKED BY:
DIV: 9
STD #: N/A
DATE: Jan 09,2007



LETTER POSITIONS

Letter spacings are to start of next letter

																											Series/Size Text Length
		D	A	M	A	S	C	U	S																		C 2000
	6.8	4.1	4.7	4.8	4.4	4.3	4.6	4.4	3.4	6.8																	34.5
		C	H	U	R	C	H		R	D																	C 2000
	4.1	4.6	4.7	4.7	4.3	4.6	4	5.3	4.4	3.4	4.1																39.8

Spacing Factor is 1 unless specified otherwise

APPROVED: [signature] DATE: 11/13/07

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 022104 ENGINEER JOHN S. KITE JR.

GENERAL NOTES AND SIGN DESIGN

SCALE:	NONE
DATE:	10/07
DWG. BY:	SJS/AKP
DESIGN BY:	SJS/AKP
REVIEWED BY:	DAP

DIVISION OF HIGHWAYS — STATE OF NORTH CAROLINA — DEPARTMENT OF TRANSPORTATION — RALEIGH, NORTH CAROLINA

REVISIONS

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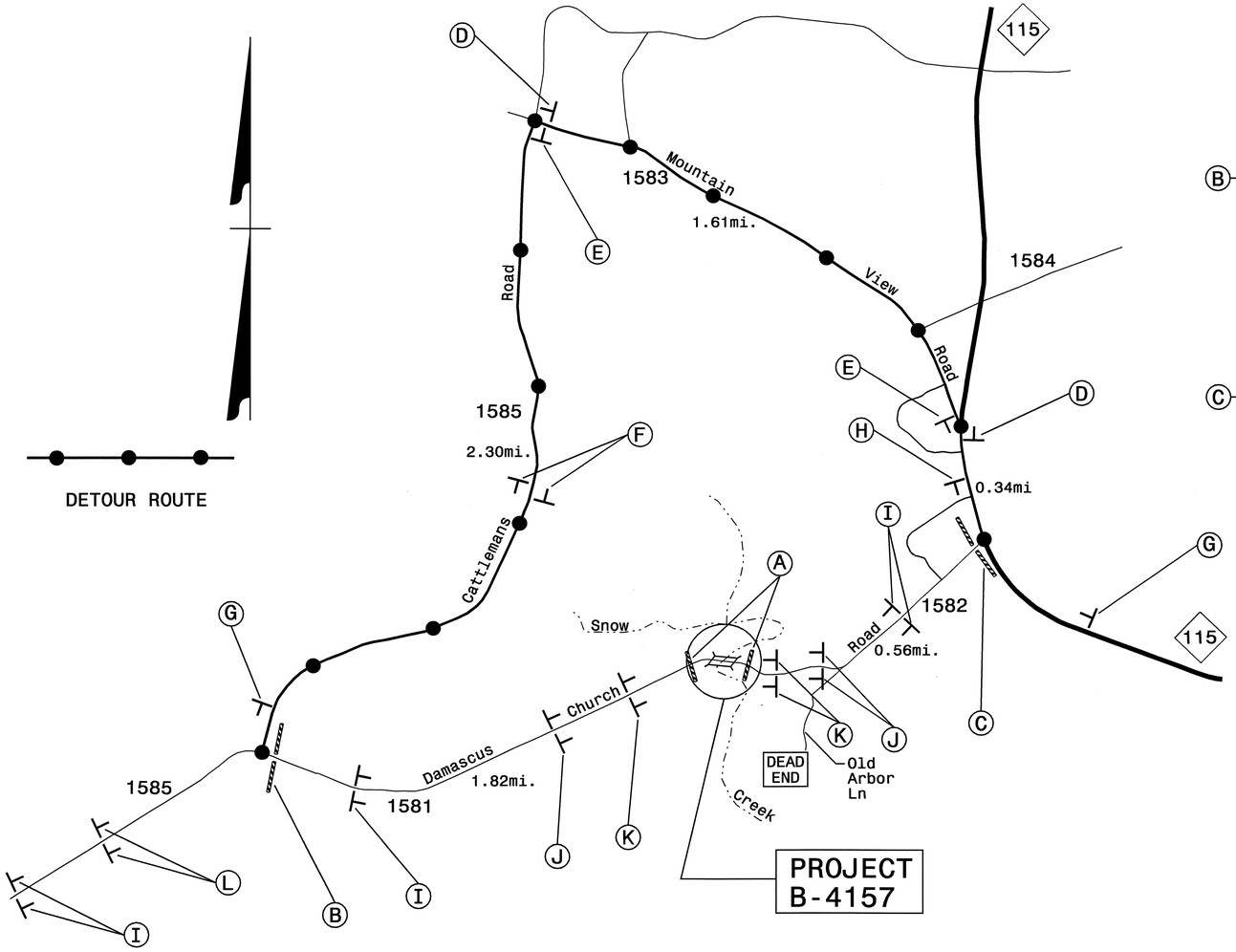
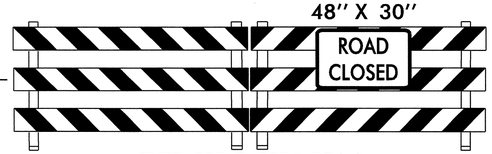
PROJ. REFERENCE NO.	SHEET NO.
B-4157	TCP-03
IREDELL	

DETOUR ROUTE

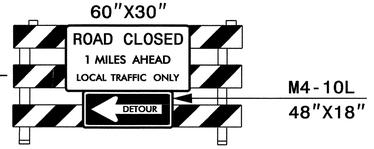


R11–2
48″ X 30″



TYPE III BARRICADE(S)

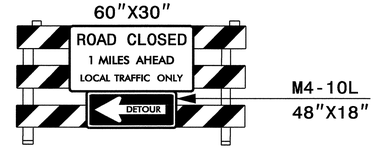
R11-3
60″X30″



M4-10L
48″X18″

TYPE III BARRICADE

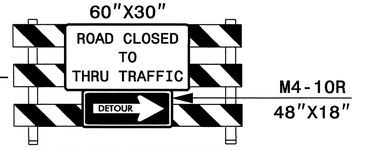
R11-3
60″X30″



M4-10L
48″X18″

TYPE III BARRICADE

R11-4
60″X30″



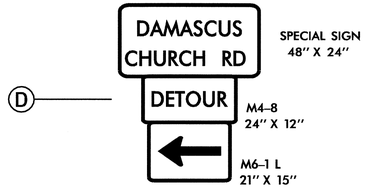
M4-10R
48″X18″

TYPE III BARRICADE

R11-4
60″X30″

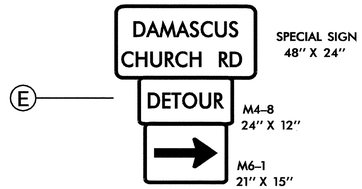
M4-10R
48″X18″

TYPE III BARRICADE



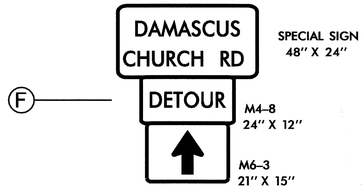
SPECIAL SIGN
48″ X 24″

D



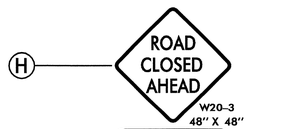
SPECIAL SIGN
48″ X 24″

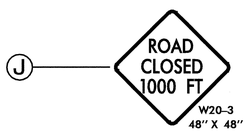
E

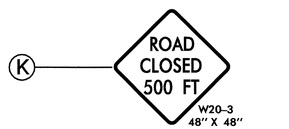


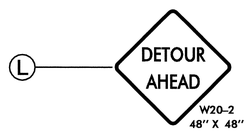
SPECIAL SIGN
48″ X 24″

F









NOTE: SEE RSD 1101.03, SHEET 1 OF 9 FOR PLACEMENT OF SIGN ASSEMBLIES G THRU L .

APPROVED: John S Kitz DATE: 11/13/07

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 022104 ENGINEER JOHN S. KITZ, JR.

DETOUR AND SIGNING

SCALE:	NONE
DATE:	10/07
DWG. BY:	SJS/AKP
DESIGN BY:	SJS/AKP
REVIEWED BY:	DAP

DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH

REVISIONS

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