

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-4071	TCP-1

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

B-4071

**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
1101.02	TEMPORARY LANE CLOSURES
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	GENERAL 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
  - 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")	1,280 LF	1,280 LF
PI	YELLOW DOUBLE CENTER (2X)	PAINT (4")	1,280 LF	1,280 LF
			TOTAL	2,560 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, P.E. <i>TRAFFIC CONTROL ENGINEER</i>
	J. ISHAK, P.E. <i>TRAFFIC CONTROL PROJECT ENGINEER</i>
	J.L. PORTANOVA, P.E. <i>TRAFFIC CONTROL PROJECT DESIGN ENGINEER</i>
	E.K. GROUNDWATER <i>TRAFFIC CONTROL DESIGN ENGINEER</i>

30-JUL-2007 13:46  
\\dot\dfsroot\TON\_Proj\TIP\Projects\B4071\TrafficControl\top\B-4071\_TCP1.dgn  
ekgroundwater AT 11/22/07

TIP PROJECT:

# 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 UNDESIRE 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.

## LANE AND SHOULDER CLOSURE REQUIREMENTS

- A) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED, OR AS DIRECTED BY THE ENGINEER.
- B) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- E) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

## TRAFFIC PATTERN ALTERATIONS

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

## SIGNING

- G) STATE FORCES WILL BE RESPONSIBLE FOR PERMANENT SIGNING.
- H) PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.
- I) COVER OR REMOVE ALL DETOUR SIGNS WITHIN AND OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- J) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

## TRAFFIC CONTROL DEVICES

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

## PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
WAKEFIELD RD. (SR 1393)	PAINT	NONE

- M) 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.

- N) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

# PHASING

STEP 1: USING 1101.02 SHEET 1 OF 9 AND ROADWAY PLANS CONSTRUCT PROPOSED DRIVEWAYS AT -L- STA. 18+55 +/- AND -L- STA. 19+70 +/- UP TO EDGE AND ELEVATION OF EXISTING.

STEP 2: USING RSD 1101.03 SHEET 1 OF 9 AND SHEET TCP-3 & 4 , INSTALL DETOUR SIGNS AND PLACE TYPE III BARRICADES TO CLOSE WAKEFIELD RD. (SR 1393) TO THRU TRAFFIC AND DETOUR TRAFFIC ONTO PROPOSED DETOUR.

STEP 3: AWAY FROM TRAFFIC, PERFORM THE FOLLOWING:

- REMOVE EXISTING STRUCTURE NO. 32 AND CONSTRUCT PROPOSED STRUCTURE. SEE ROADWAY PLANS.
- CONSTRUCT PROPOSED -L- WAKEFIELD RD. (SR 1393) UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- PLACE PERMANENT PAVEMENT MARKINGS (PAINT) ON PROPOSED -L- WAKEFIELD RD. (SR 1393) AND TIE INTO EXISTING MARKINGS.

STEP 4: REMOVE ALL TRAFFIC CONTROL DEVICES AND REMOVE ALL DETOUR SIGNING.

- OPEN WAKEFIELD RD. (SR 1393) TO TWO-LANE, TWO-WAY TRAFFIC.

30-JUL-2007 13:46  
 \\dot\dfs\root\Proj\TIP\Projects-B\B4071\TrafficControl\top\B-4071\_TCP2.dgn  
 ekg\groundwater AT 12/22/04

APPROVED: _____	DATE: _____	<b>GENERAL NOTES AND PHASING</b>	
	SCALE: NONE		REVISIONS
	DATE: 07/07		
	DWG. BY: EKG		
	DESIGN BY: EKG		
REVIEWED BY: JLP			



