

# PROJECT NOTES

## GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
R-4733	TCP-2

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.

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.

### TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. US 74 WEST/ US 23 SOUTH (-L-)	7 A.M. THRU 9 A.M. AND 4 P.M. THRU 6 P.M. M-F
2. US 74 WEST/ US 23 SOUTH (-L2-)	7 A.M. THRU 9 A.M. AND 4 P.M. THRU 6 P.M. M-F

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. US 74 WEST/ US 23 SOUTH (-L-)	
2. US 74 WEST/ US 23 SOUTH (-L2-)	

### HOLIDAY

- FOR ANY EVENT THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 4 P.M. DECEMBER 31ST TO 9 A.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A SATURDAY OR A SUNDAY, THEN UNTIL 9 A.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 4 P.M. THURSDAY AND 9 A.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 4 P.M. FRIDAY TO 9 A.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 4 P.M. THE DAY BEFORE INDEPENDENCE DAY AND 9 A.M. THE DAY AFTER INDEPENDENCE DAY.  
IF INDEPENDENCE DAY IS ON A SATURDAY OR SUNDAY, THEN BETWEEN THE HOURS OF 4 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 4 P.M. FRIDAY TO 9 A.M. TUESDAY.
- FOR THANKSGIVING, BETWEEN THE HOURS OF 4 P.M. TUESDAY TO 9 A.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 4 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9 A.M. THE FOLLOWING MONDAY AFTER THE WEEK OF CHRISTMAS.
- FOR LEAF SEASON, THE ENTIRE MONTH OF OCTOBER AND 1ST WEEK IN NOVEMBER, BETWEEN 4:00 P.M. FRIDAY TO 9:00 A.M. MONDAY.

C) DO NOT CONDUCT MULTI-VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS WILL NOT BE ALLOWED:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. US 74 WEST/ US 23 SOUTH (-L-)	7 A.M. THRU 9 A.M. AND 4 P.M. THRU 6 P.M. M-F
2. US 74 WEST/ US 23 SOUTH (-L2-)	7 A.M. THRU 9 A.M. AND 4 P.M. THRU 6 P.M. M-F

D) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR OTHERWISE DIRECTED BY THE ENGINEER.

### LANE AND SHOULDER CLOSURE REQUIREMENTS

- 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.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 40 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.

G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 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.

H) 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.

I) DO NOT PERFORM WORK INVOLVING HEAVY EQUIPMENT WITHIN 15 FT OF THE EDGE OF TRAVELWAY WHEN WORK IS BEING PERFORMED BEHIND A LANE CLOSURE ON THE OPPOSITE SIDE OF THE TRAVELWAY.

### TRAFFIC PATTERN ALTERATIONS

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

### SIGNING

K) 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.

L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

### TRAFFIC BARRIER

M) INSTALL PORTABLE CONCRETE BARRIER ACCORDING TO THE TRAFFIC CONTROL PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE PORTABLE CONCRETE BARRIER IS INSTALLED AT ANY LOCATION, PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.

ONCE PORTABLE CONCRETE BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE PORTABLE CONCRETE BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE/RESET PORTABLE CONCRETE BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS, BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

N) PROTECT THE APPROACH END OF PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED IMPACT ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

OFFSET THE APPROACH END OF PORTABLE CONCRETE BARRIER A MINIMUM OF 40 FT FROM ONCOMING TRAFFIC OR PROTECT AT ALL TIMES BY A TEMPORARY CRASH CUSHION.

INSTALL PORTABLE CONCRETE BARRIER WITH THE TRAFFIC FLOW, BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE PORTABLE CONCRETE BARRIER AGAINST THE TRAFFIC FLOW, BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP CLOSED THE SECTION OF THE ROADWAY UNTIL THE BARRIER CAN BE PLACED OR AFTER BARRIER IS REMOVED.

### TRAFFIC CONTROL DEVICES

O) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADIUS, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT.

P) PLACE SETS OF THREE DRUMS PERPENDICULAR TO THE EDGE OF THE TRAVELWAY ON 500 FT (150m) CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC. THESE DRUMS SHALL BE IN ADDITION TO CHANNELIZING DEVICES.

### DEPARTMENT FURNISHED DEVICES

Q) THE DEPARTMENT WILL HAVE AVAILABLE 2200 L.F. OF PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL USE ON THE PROJECT. TRANSPORT APPROX. 1210 L.F. OF PORTABLE CONCRETE BARRIER FROM THE DIVISION 14 FACILITY AT INCINERATOR RD. (SR 1550) TO THE PROJECT. RESET APPROX. 430 L.F. OF EXISTING PORTABLE CONCRETE BARRIER ON SITE 1. RESET APPROX. 550 L.F. OF EXISTING PORTABLE CONCRETE BARRIER ON SITE 2. THE CONTRACTOR SHALL PROVIDE ALL CONNECTING PINS FOR THE PORTABLE CONCRETE BARRIER.

RETURN ALL PORTABLE CONCRETE BARRIER TO THE DIVISION 14 FACILITY AT INCINERATOR ROAD (SR 1550) WHEN THE PORTABLE CONCRETE BARRIER IS DEEMED OF NO FURTHER USE ON THE PROJECT.

### PAVEMENT MARKINGS AND MARKERS

R) STATE FORCES WILL INSTALL FINAL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
1. US 74 WEST/ US 23 SOUTH	PAINT	N/A

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

T) REPLACE ANY PAVEMENT MARKINGS THAT HAVE BEEN DAMAGED BY THE END OF EACH DAY'S OPERATION.

## PHASING

SITE 1 AND SITE 2 CAN BE CONSTRUCTED SIMULTANEOUSLY

### SITE 1

#### PHASE I

- INSTALL ALL ADVANCED WORK ZONE SIGNS ON US 74 WEST/ US 23 SOUTH AND BLUE RIDGE PARKWAY ACCESS ROAD, SEE TCP-11. IF WORK IS NOT PURSUED WITHIN THREE DAYS OF SIGN INSTALLATION, THE SIGNS SHALL BE COVERED OR REMOVED IN A METHOD APPROVED BY THE ENGINEER ACCORDING TO STANDARD SPECS SECTION 1110. ADVANCED WARNING SIGNS SHALL BE INSTALLED WHEN CONSTRUCTION IS WITHIN 100 FEET OF EXISTING TRAVEL LANE.
- USING RSD NO. 1101.02 (SHEET 3 OF 7) IN CONJUNCTION WITH TCP-4, PLACE PORTABLE CONCRETE BARRIER FOR RIGHT SHOULDER CLOSURE FROM:  
STA. 34+83+/- -L- TO STA. 43+03+/- -L-
- CONSTRUCT RETAINING WALL, SINGLE FACED CONCRETE BARRIER, AND PARTIAL DRAINAGE (SEE TCP-4).

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF SITE 1, PHASE II, STEP 1 THRU STEP 2 IN 30 CONSECUTIVE CALENDER DAYS. (SEE INTERMEDIATE CONTRACT AND LIQUIDATED DAMAGES).

#### PHASE II

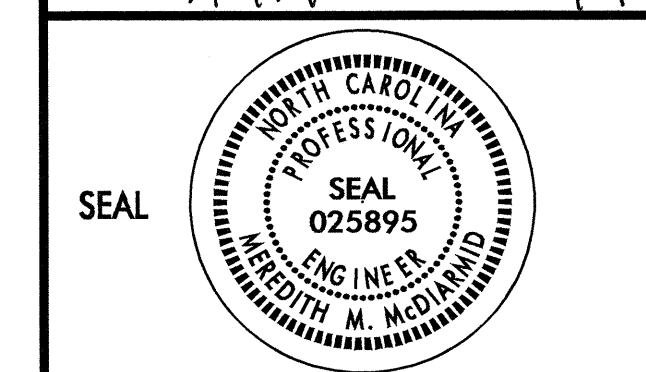
- USING RSD NO. 1101.02 (SHEET 3 OF 7) IN CONJUNCTION WITH TCP-5 AND TCP-6, REMOVE PORTABLE CONCRETE BARRIER. COMPLETE DRAINAGE, INSTALL GUARDRAIL, AND RESTORE PAVED SHOULDER FROM STA. 35+35+/- -L- TO STA. 40+40+/- -L-.
- REMOVE ALL TRAFFIC CONTROL DEVICES FROM THE PROJECT LIMITS AND OPEN US 74 WEST/ US 23 SOUTH TO A 2-LANE, ONE-WAY TRAFFIC PATTERN.
- USING RSD NO. 1101.02 (SHEET 3 OF 7), STATE FORCES SHALL RESTRIPE EDGELINE FROM STA. 35+35+/- -L- TO STA. 43+00+/- -L-.
- REMOVE ALL TRAFFIC CONTROL DEVICES FROM THE PROJECT LIMITS AND OPEN US 74 WEST/ US 23 SOUTH TO A 2-LANE, ONE-WAY TRAFFIC PATTERN.

### SITE 2

#### PHASE I

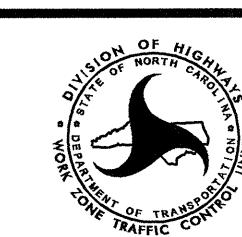
- INSTALL ALL ADVANCED WORK ZONE SIGNS ON US 74 WEST/ US 23 SOUTH, SEE TCP-11. IF WORK IS NOT PURSUED WITHIN THREE DAYS OF SIGN INSTALLATION, THE SIGNS SHALL BE COVERED OR REMOVED IN A METHOD APPROVED BY THE ENGINEER ACCORDING TO STANDARD SPECS SECTION 1110. ADVANCED WARNING SIGNS SHALL BE INSTALLED WHEN CONSTRUCTION IS WITHIN 100 FEET OF EXISTING TRAVEL LANE.
- USING RSD NO. 1101.02 (SHEET 3 OF 7) IN CONJUNCTION WITH TCP-7 AND TCP-8, PLACE PORTABLE CONCRETE BARRIER FOR RIGHT SHOULDER CLOSURE FROM:  
STA. 28+50+/- -L2- TO STA. 42+20+/- -L2-
- CONSTRUCT DRAINAGE AND GRADE SLOPE, SEE TCP-7 AND TCP-8.
- USING RSD NO. 1101.02 (SHEET 3 OF 7), REMOVE PORTABLE CONCRETE BARRIER FROM PROJECT LIMITS. STATE FORCES SHALL RESTRIPE EDGELINE FROM STA. 25+00+/- -L2- TO STA. 40+50+/- -L2-.
- REMOVE ALL TRAFFIC CONTROL DEVICES FROM THE PROJECT LIMITS AND OPEN US 74 WEST/ US 23 SOUTH TO A 2-LANE, ONE-WAY TRAFFIC PATTERN.

APPROVED: *M. M. M. M. M.* DATE: 6/2/05



## PROJECT NOTES AND PHASING

SCALE: NONE  
DATE: 05-31-05  
DWG. BY: SBC  
DESIGN BY: SBC  
REVIEWED BY: JPG



REVISIONS

02-JUN-2005 16:42 \\lets-oc-f50\473338\top\AR4733.TC\_top02.dgn AT TCU224169 scgats