

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 UNDESIRE OVERLAPPING OF DEVICES. MODIFICATIONS 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.

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
1. NC 88	7:00 A.M. THRU 9:00 A.M. (MONDAY THRU FRIDAY) 4:00 P.M. THRU 6:00 P.M. (MONDAY THRU FRIDAY)

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

ROAD NAME	HOLIDAY
1. NC 88	
1.	FOR ANY EVENT THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2.	FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31ST TO 6:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A SATURDAY OR A SUNDAY, THEN UNTIL 9:00 A.M. THE FOLLOWING TUESDAY.
3.	FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.
4.	FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY. IF INDEPENDENCE DAY IS ON A SATURDAY OR SUNDAY, THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
6.	FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
7.	FOR THANKSGIVING, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
8.	FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING MONDAY AFTER THE WEEK OF CHRISTMAS. 6:00 P.M. MONDAY.
9.	FOR CHRISTMAS IN JULY WEEKEND, BETWEEN 5:00 P.M. THURSDAY TO 8:00 A.M. MONDAY.
10.	FOR LEAF SEASON, THE ENTIRE MONTH OF OCTOBER AND 1ST WEEK IN NOVEMBER, BETWEEN 5:00 P.M. FRIDAY TO 8:00 A.M. MONDAY.

LANE & SHOULDER CLOSURE REQUIREMENTS

- C) 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.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5' (1.5m) 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.
- E) 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.
- F) DO NOT WORK SIMULTANEOUSLY, ON BOTH SIDES OF AN OPEN TRAVELWAY, WITHIN THE SAME LOCATION, ON A TWO-LANE, TWO-WAY ROAD.
- G) DO NOT PERFORM WORK INVOLVING HEAVY EQUIPMENT WITHIN 15' (5m) OF THE EDGE OF TRAVELWAY WHEN WORK IS BEING PERFORMED BEHIND A LANE CLOSURE ON THE OPPOSITE SIDE OF THE TRAVELWAY.

PROJECT NOTES

PAVEMENT EDGE DROP OFF REQUIREMENTS

- H) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS A DROP-OFF AS FOLLOWS:
- BACKFILL DROP-OFFS THAT EXCEED 2" (50 mm) ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
 - BACKFILL DROP-OFFS THAT EXCEED 3" (75mm) ON ROADWAYS WITH POSTED SPEED LIMITS OF LESS THAN 45 MPH.
 - BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- I) DO NOT EXCEED A DIFFERENCE OF 1.5 INCHES (40mm) IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT (150m) IN ADVANCE AND A MINIMUM OF ONCE EVERY MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- J) NOTIFY THE ENGINEER 21 CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- K) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 100 FT (31m) 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) PROVIDE PERMANENT SIGNING.
- M) PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.
- N) COVER OR REMOVE ALL DETOUR SIGNS WITHIN AND OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- O) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- P) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT (3m) ON-CENTER IN RADII, AND 3 FT (1m) OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT.
- Q) 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

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

ROAD NAME	MARKING	MARKER
1. ALL ROADS	POLYUREA	SNOWPLOWABLE
2. BRIDGE DECK	POLYUREA	NONE

- S) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
1. ALL ROADS	PAINT	RAISED REFLECTIVE (TEMPORARY)
2. BRIDGE DECK	REMOVABLE TAPE	NONE

- T) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- U) REPLACE ANY PAVEMENT MARKINGS THAT HAVE BEEN OBLITERATED BY THE END OF EACH DAY'S OPERATION.

- V) PLACE AT LEAST TWO APPLICATIONS OF PAINT ON NEW ASPHALT WITH TEMPORARY TRAFFIC PATTERNS WHICH WILL REMAIN IN PLACE OVER THREE (3) MONTHS. PLACE ADDITIONAL APPLICATIONS OF PAINT UPON SUFFICIENT DRYING TIME, AS DETERMINED BY THE ENGINEER.

LOCAL NOTES

DO NOT STOP TRAFFIC FOR MORE THAN 15 MINUTES AS FOLLOWS:

OPERATION	ROAD NAME
1. SHIFTING TRAFFIC AND ANY OPERATION THAT REQUIRES TRAFFIC TO BE STOPPED	NC 88

THE FOLLOWING SOIL PARAMETERS WERE FURNISHED BY NCDOT-GEOTECHNICAL ENGINEERING UNIT. THE FOLLOWING SOIL PARAMETERS SHALL BE USED FOR THE DESIGN OF TEMPORARY SHORING. "FOR TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, DO NOT USE STANDARD SHORING DESIGN FROM STA. 16+58+/- -L- TO STA. 16+95+/- -L-. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SHORING DESIGN". "FOR THE DESIGN OF TEMPORARY SHORING, USE THE FOLLOWING SOIL PARAMETERS FOR SOILS ABOVE THE ROCK":

UNIT WEIGHT OF SOIL ABOVE WATER TABLE, $\gamma = 120$ pcf
 UNIT WEIGHT OF SOIL BELOW WATER TABLE, $\gamma' = 60$ pcf
 FRICTION ANGLE, $\phi = 28^\circ$
 COHESION, $c = 0$ psf

"SHORING EMBEDMENT WILL BE DIFFICULT TO OBTAIN DUE TO THE PRESENCE OF ROCK. ROCK WAS IDENTIFIED AT APPROXIMATELY ELEVATION 2774 FT."

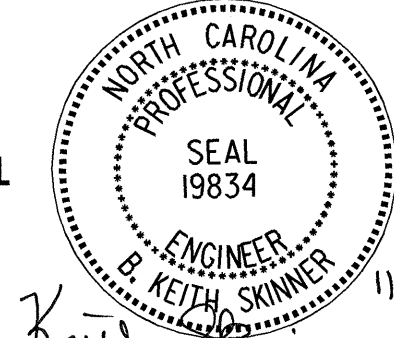
"GROUNDWATER WAS NOTED AT APPROXIMATELY ELEVATION 2775 FT. +/-."

PLANS PREPARED BY :

RUMMEL KLEPPER & KAHL, LLP
consulting engineers
 5800 FARRINGDON PLACE SUITE 105
 RALEIGH, NORTH CAROLINA 27609-3960

FOR
DIVISION OF HIGHWAYS

SEAL



11/4/04

PROJECT NOTES AND SOIL PARAMETERS

SCALE: NONE	REVISIONS
DATE: 11/04	
DWG. BY: MAC	
DESIGN BY: MAC	
REVIEWED BY: BKS	

CADD FILE: TCP02.DGN

11/04/2004 11:30:55 AM TrafficControl\Tcb\1000\110402.dgn