

# GENERAL NOTES

# PROJECT NOTES

THE CREATION OF EXCESSIVE NOISE ASSOCIATED WITH EARTHMOVING ACTIVITIES, LAND CLEARING ACTIVITIES, STREET PAVING, OR UTILITY CONSTRUCTION IN A RESIDENTIAL OR BUSINESS DISTRICT, OTHER THAN BETWEEN THE HOURS OF 7:00 a.m. AND 6:00 p.m., MONDAY THROUGH FRIDAY, AND BETWEEN THE HOURS OF 8:00 a.m. AND 6:00 p.m. ON SATURDAYS OR HOLIDAYS, SHALL REQUIRE A PERMIT. THIS PERMIT IS ISSUED BY THE CONSTRUCTION MANAGEMENT DEPARTMENT IN ACCORDANCE WITH SECTION 13-16(a) OF THE TOWN CODE OF ORDINANCES. THE PERMIT APPLICATION SHALL DESIGNATE AN INDIVIDUAL PERSON OR PERSONS IN CONTROL OF THE CONSTRUCTION WHO SHALL BE RESPONSIBLE FOR SEEING THAT THE ACTIVITY COMPLIES WITH THE TERMS OF THE PERMIT.

A) 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.

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
1. PROPOSED HOPE MILLS BYPASS	7:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M. ON WEEKDAYS
2. CUMBERLAND ROAD	7:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M. ON WEEKDAYS
3. NC 59 (NORTH MAIN STREET)	7:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M. ON WEEKDAYS
4. GEORGE OWEN ROAD EAST	7:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M. ON WEEKDAYS
5. CAMDEN ROAD	7:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M. ON WEEKDAYS
6. LEGION ROAD	7:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M. ON WEEKDAYS
7. ELK ROAD	7:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M. ON WEEKDAYS
8. BINGHAM ROAD	7:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M. ON WEEKDAYS
9. FISHER ROAD	7:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M. ON WEEKDAYS

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

ROAD NAME

1. ALL ROADS

HOLIDAY

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

D) DO NOT STOP TRAFFIC FOR MORE THAN 15 MINUTES TO COMPLETE TRAFFIC SHIFTS AS FOLLOWS: PROPOSED HOPE MILLS BYPASS, CUMBERLAND ROAD, NC 59 (NORTH MAIN STREET), GEORGE OWEN ROAD EAST, CAMDEN ROAD, LEGION ROAD, ELK ROAD, BINGHAM ROAD, AND FISHER ROAD.

LANE CLOSURE REQUIREMENTS

- E) 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.
- F) CLOSE THE OPEN TRAVEL LANE ADJACENT TO THE WORK AREA WHEN PERSONNEL AND/OR EQUIPMENT ARE WITHIN 5' OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY OR WITHIN 10' OF AN OPEN LANE ON A DIVIDED FACILITY. USE ROADWAY STANDARD NO. 1101.02, UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- G) DO NOT WORK SIMULTANEOUSLY, ON BOTH SIDES OF AN OPEN TRAVELWAY, WITHIN THE SAME LOCATION, ON A TWO-LANE, TWO-WAY ROAD.

- H) DO NOT PERFORM WORK INVOLVING HEAVY EQUIPMENT WITHIN 15' OF THE EDGE OF TRAVELWAY WHEN WORK IS BEING PERFORMED BEHIND A LANE CLOSURE ON THE OPPOSITE SIDE OF THE TRAVELWAY.
- I) PROVIDE A MINIMUM OF ONE MILE BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE FIRST SIGN OF THE NEXT LANE CLOSURE.
- J) DO NOT INSTALL MORE THAN 2 SIMULTANEOUS LANE CLOSURES, IN ANY ONE DIRECTION, ON PROPOSED HOPE MILLS BYPASS.

PAVEMENT EDGE DROP OFF REQUIREMENTS

K) 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" ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3" ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH ABC OR SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER.

L) DO NOT EXCEED A DIFFERENCE OF 1 1/2" IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- N) INSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- O) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) 500' IN ADVANCE OF THE UNEVEN AREA.
- P) INSTALL BLACK ON ORANGE "BUMP" SIGNS (W8-1) 500' IN ADVANCE OF THE UNEVEN AREA.

TRAFFIC CONTROL DEVICES

- Q) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT, EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT.
- R) 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.
- S) PLACE SETS OF THREE DRUMS PERPENDICULAR TO THE EDGE OF THE TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC. THESE DRUMS SHALL BE IN ADDITION TO CHANNELIZING DEVICES.

PAVEMENT MARKINGS AND MARKERS

- T) INSTALL THERMOPLASTIC PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS: PROPOSED HOPE MILLS BYPASS, CUMBERLAND ROAD, NC 59 (NORTH MAIN STREET), GEORGE OWEN DRIVE EAST, CAMDEN ROAD, LEGION ROAD, ELK ROAD, BINGHAM ROAD, FISHER ROAD.
- U) INSTALL PAINT PAVEMENT MARKINGS AND RAISED RELECTIVE PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS: PROPOSED HOPE MILLS BYPASS, CUMBERLAND ROAD, NC 59 (NORTH MAIN STREET), GEORGE OWEN DRIVE EAST, CAMDEN ROAD, LEGION ROAD, ELK ROAD, BINGHAM ROAD, FISHER ROAD.

- V) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- W) REPLACE ANY PAVEMENT MARKINGS THAT HAVE BEEN OBLITERATED BY THE END OF EACH DAY'S OPERATION.
- X) TRACE THE EDGE OF PROPOSED MONOLITHIC ISLANDS WITH THE PROPER COLOR PAVEMENT MARKING PRIOR TO INSTALLATION OF A PROPOSED MONOLITHIC ISLAND.
- Y) PLACE TWO APPLICATIONS OF PAINT ON NEW ASPHALT WITH TEMPORARY TRAFFIC PATTERNS WHICH WILL REMAIN IN PLACE OVER THREE (3) MONTHS. PLACE THE SECOND APPLICATION OF PAINT UPON AMPLE DRYING TIME OF THE FIRST, AS DETERMINED BY THE ENGINEER.

SIGNALS

- Z) INSTALL THE DETECTOR LOOPS PRIOR TO PLACING THE FINAL LAYER OF SURFACE COURSE.
- AA) THE CONTRACTOR SHALL INSTALL AND MAKE OPERATIONAL ALL SIGNALS PRIOR TO ALTERING ANY TRAFFIC PATTERN, UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLAN.
- BB) NOTIFY THE ENGINEER TWO (2) MONTHS BEFORE A TRAFFIC SIGNAL INSTALLATION IS REQUIRED.
- CC) SHIFT AND REVISE ALL SIGNAL HEADS AS SHOWN ON THE SIGNAL PLANS.

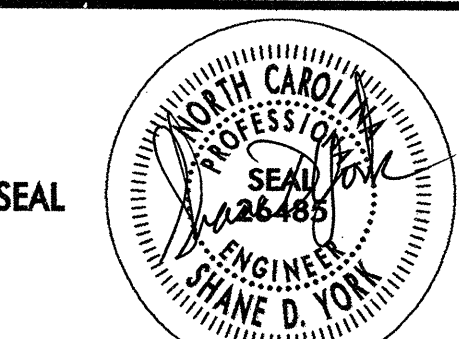
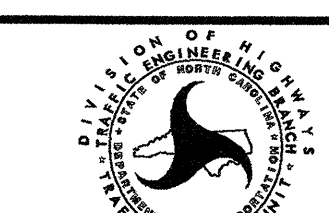
MISCELLANEOUS

- DD) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAYS TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION, AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS(W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 500' AND 1000' RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- EE) PLACE CONES TO DELINEATE EXISTING OR PROPOSED ISLANDS AFTER REMOVAL OR BEFORE INSTALLATION.

# LOCAL NOTES

- 1) PRIOR TO WEDGING, THE CONTRACTOR SHALL WIDEN UP TO THE EXISTING PAVEMENT EDGE AND ELEVATION. ONCE WIDENING IS COMPLETE, THE CONTRACTOR SHALL WEDGE UP TO, BUT NOT INCLUDING THE FINAL LAYER.

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APPROVED: SHANE D. YORK, PE DATE: 11/05/03		<b>PROJECT NOTES AND LOCAL NOTES</b>	
	SCALE: N.A.		REVISIONS
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