

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 UNDESIRABLE 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.

TIME RESTRICTIONS

A) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
NC 226	MONDAY THROUGH FRIDAY 7:00 AM TO 9:00 AM AND 3:00 PM TO 5:00 PM	20 MINUTES (MAXIMUM) FOR ROCK BLASTING

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) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- F) 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 AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
- BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
- BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
- BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- G) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 FT. IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- H) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- I) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- J) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC BARRIER

- K) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

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

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY 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 THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

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

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO 1101.05)

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45 - 50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

TRAFFIC CONTROL DEVICES

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

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
NC 226 (-L-)	PAINT	TEMPORARY
SR 1300 (-Y-)	PAINT	N/A

- O) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- P) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- Q) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- R) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS SHOWN IN FINAL PAVEMENT MARKING PLAN.

PHASING

NOTE: BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL PLACE ADVANCE WORK ZONE WARNING SIGNS ALONG -L- LINE (NC 226) AND -Y- LINE, SR 1300 (CUB CREEK RD.), (SEE RSD 1101.01, SHEET 3 OF 3)

PHASE I

- STEP 1. USING RSD NO. 1101.02 (SHEET 1 OF 14), PLACE TEMPORARY SIGNAL SIGNAGE AND TEMPORARY PORTABLE SIGNALS (SEE TMP-3):
- SHIFT TRAFFIC FROM A TWO-LANE, TWO WAY PATTERN TO A ONE-LANE, TWO WAY PATTERN ON NC 226 AS SHOWN ON TMP-3.
 - COVER/REMOVE EXISTING STOP SIGNS.
 - PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS, AS FOLLOWS (SEE TMP-3):
 - STA. 9+25+/- -L- TO STA. 18+20+/- -L-
 - STA. 9+87+/- -Y- TO STA. 10+57+/- -Y-
 - ACTIVATE TEMPORARY PORTABLE SIGNALS
 - PLACE ANCHORED PCB AS FOLLOWS (SEE TMP-3).
 - STA. 12+40+/- -L- TO STA. 13+35+/- -L-
- STEP 2. USING RSD NO. 1101.06 (SHEET 1 OF 1), AWAY FROM TRAFFIC AND USING FLAGGERS AS NECESSARY, COMPLETE ROCK BLASTING AS FOLLOWS (SEE ROADWAY PLANS)
- STA. 10+00+/- -L- TO STA. 10+50+/- -L-
 - STA. 12+65+/- -L- TO STA. 18+02+/- -L-
- AWAY FROM TRAFFIC, REMOVE EXISTING WINGWALLS AND CONSTRUCT TEMPORARY SHORING AS SHOWN ON TMP-3. CONSTRUCT -L-, INCLUDING STAGE I OF THE PROPOSED BRIDGE, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE ROADWAY PLANS AND TMP-3):
- STA. 12+40+/- -L- TO STA. 16+50+/- -L-
- AWAY FROM TRAFFIC AND USING FLAGGERS AS NECESSARY, WIDEN AND WEDGE -L- AND -Y-, UP TO EXISTING EDGE OF PAVEMENT ELEVATIONS AS FOLLOWS (SEE ROADWAY PLANS AND TMP-3)
- STA. 10+00+/- -L- TO STA. 12+40+/- -L-
 - STA. 16+50+/- -L- TO STA. 18+02+/- -L-
 - STA. 10+11+/- -Y- TO STA. 10+57+/- -Y-
- STEP 3. USING RSD NO. 1101.02 (SHEET 1 OF 14), REMOVE ANCHORED PCB AND CRASH CUSHIONS.

PHASE II

- STEP 1. AWAY FROM TRAFFIC, PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS, AS FOLLOWS (SEE TMP-4):
- STA. 9+65+/- -L- TO STA. 18+20+/- -L-
 - STA. 10+21+/- -Y- TO STA. 10+57+/- -Y-
- INSTALL TEMPORARY GUARDRAIL (STRUCTURE) AS FOLLOWS (SEE TMP-4):
- STA. 11+98+/- -L- TO STA. 13+50+/- -L-
- RELOCATE EXISTING DRIVEWAY SIGNALS AS SHOWN ON TMP-4.
- SHIFT TRAFFIC FROM A ONE-LANE, TWO WAY PATTERN ON EXISTING NC 226 TO A ONE-LANE, TWO WAY PATTERN ON -L- LINE AS SHOWN ON TMP-4.
- STEP 2. AWAY FROM TRAFFIC, REMOVE EXISTING BRIDGE/WINGWALLS AND COMPLETE CONSTRUCTION OF PROPOSED BRIDGE, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE ROADWAY PLANS AND TMP-4):
- AWAY FROM TRAFFIC AND USING FLAGGERS AS NECESSARY WIDEN AND WEDGE -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE ROADWAY PLANS AND TMP-4):
 - STA. 10+00+/- -L- TO STA. 11+98+/- -L-
 - STA. 13+25+/- -L- TO STA. 13+95+/- -L-
 - STA. 15+76+/- -L- TO STA. 18+02+/- -L-
- USING FLAGGERS AS NECESSARY, CONSTRUCT DRIVEWAY AND REMOVE PAVEMENT AS SHOWN (SEE ROADWAY PLANS AND TMP-4):


PHASE III

- STEP 1. USING RSD NO. 1101.02 (SHEET 1 OF 14), REMOVE TEMPORARY GUARDRAIL (STRUCTURE) AS FOLLOWS (SEE TMP-4):
- STA. 11+98+/- -L- TO STA. 13+50+/- -L-
- REMOVE TEMPORARY SIGNAL SIGNAGE AND TEMPORARY PORTABLE SIGNALS AND CONFLICTING MARKINGS AND RETURN TRAFFIC TO TWO-LANE, TWO-WAY PATTERN.
- STEP 2. USING RSD NO. 1101.02 (SHEET 1 OF 14), PAVE THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:
- STA. 10+00+/- -L- TO STA. 18+02+/- -L-
 - STA. 10+00+/- -Y- TO STA. 10+57+/- -Y-
 - DRIVEWAYS
- STEP 3. USING RSD NO. 1101.02 (SHEET 1 OF 14), PLACE FINAL PAVEMENT MARKINGS AND SIGNING FOR -L- LINE (SEE FINAL PAVEMENT MARKINGS AND SIGNING PLANS), UNCOVER/RESTORE STOP SIGNS, REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ROADWAY TO TRAFFIC.

MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

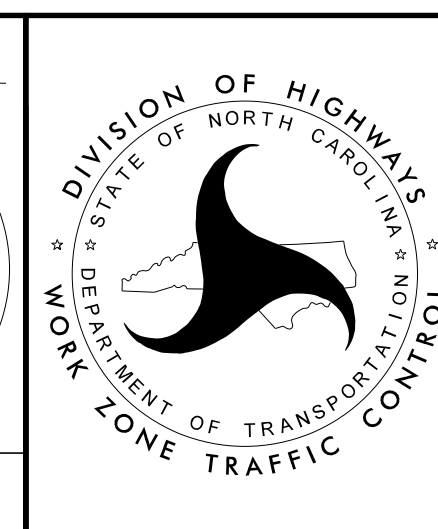
- ONE-LANE, TWO WAY OPERATION (FLAGGING)
- ONE-LANE, TWO WAY OPERATION (SIGNALIZED)
- PEAK HOUR WORK RESTRICTIONS

APPROVED: 
 DATE: 04/05/2023

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TRANSPORTATION OPERATIONS PLAN