

# PHASING

## GENERAL NOTES

### TRAFFIC CONTROL DEVICES

- Q) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- R) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- S) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

### PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	NONE
- U) 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.
- V) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- W) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND ARKERS BY THE END OF EACH DAY'S OPERATION.
- X) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION.

### MISCELLANEOUS

- Y) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- Z) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S 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) 100 FT AND 100 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- AA) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.
- BB) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.). SEE THE PEDESTRIAN DETOUR DETAIL ON SHEET TMP-23 FOR INFORMATION ON SETTING UP PEDESTRIAN DETOURS.

## LOCAL NOTES

- 1. NOTIFY FORSYTH COUNTY EMERGENCY SERVICES AND PUBLIC SCHOOLS AT LEAST ONE MONTH PRIOR TO LANE/ROAD CLOSURES.

AS CONSTRUCTION PROGRESSES, INSTALL FINAL SIGNING AS SHOWN IN THE SIGNING PLANS BEFORE SHIFTING TRAFFIC TO FINAL TRAFFIC PATTERN.

### PHASE 1:

STEP 1: AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING PROPOSED GRADING, DRAINAGE, PAVING, AND UTILITIES ON NEW LOCATION (SEE TMP-2 THRU TMP-5 FOR DETAILS AND REQUIRED LANE CLOSURES AT TIE IN LOCATIONS):

- 1) -L- STA. 12+90± TO -L- STA. 31+00± (INCLUDING PORTION OF -RABT1-)
- 2) -L- STA. 35+93± TO -L- STA. 45+43± (INCLUDING -RABT2-)
- 3) -L- STA. 45+63± TO -L- STA. 58+30± (INCLUDING PORTION OF -RABT4-)
- 4) -Y5- STA. 13+35± TO -Y5- STA. 15+23± (INCLUDING PORTION OF -RABT3-)
- 5) -Y4- STA. 10+18± TO -Y4- STA. 13+51± (EXCLUDING PROP CONSTRUCTION THAT CLOSSES THE EXIST DRIVEWAY TO PARCEL 7 OFF SR 1001 (SHALLOWFORD RD))
- 6) -Y7- STA. 10+18± TO -Y7- STA. 12+91±

USING LANE CLOSURES (NCDOT RSD 1101.02 (SHEET 1 OF 19)) AND FLAGGERS (AS NEEDED), CONSTRUCT THE FOLLOWING WIDENING LOCATIONS INCLUDING ALL PROPOSED GRADING, DRAINAGE, PAVING, AND UTILITIES (SEE TMP-4 FOR DETAILS):

- 1) -Y6- STA. 12+24± TO -Y6- STA. 13+34±

STEP 1A: INSTALL TEMPORARY PAVEMENT MARKINGS AS SHOWN IN INSET A ON SHEET TMP-3. SHIFT TRAFFIC CONTROL SETUP (AS SHOWN IN INSET A ON SHEET TMP-3) TO ALLOW DRIVEWAY ACCESS TO PARCEL 7 OFF OF THE NEWLY CONSTRUCTED -Y4- ROADWAY FROM PHASE 1 STEP 1. USING LANE CLOSURES (NCDOT RSD 1101.02 (SHEET 2 OF 19)), CLOSE THE SR 1001 (SHALLOWFORD RD) WB TRAVEL LANE TO TRAFFIC AND CONSTRUCT THE PROPOSED CURB & GUTTER AND SIDEWALK TO CLOSE THE EXISTING DRIVEWAY TO PARCEL 7.

STEP 1B: INSTALL DETOUR SIGNING AS SHOWN ON TMP-3A, COVERING ALL DETOUR SIGNS UNTIL TRAFFIC IS READY TO BE SWITCHED OVER TO THE DETOUR.

USING NCDOT RSD 1101.03 (SHEETS 1 & 2 OF 9) AND THE DETAIL ON SHEET TMP-3A, CLOSE GREAT WAGON ROAD TO TRAFFIC FROM -L- STA. 31+05± TO -L- STA. 35+93±, SHIFTING TRAFFIC ONTO THE OFF-SITE DETOUR AND UNCOVERING THE DETOUR SIGNS PREVIOUSLY INSTALLED. CONSTRUCT THE PROPOSED WATERLINE, SEWER, AND FORCE MAIN WITHIN THE EXISTING ROADWAY. ACCESS MUST BE MAINTAINED TO -Y10- AT ALL TIMES.

STEP 2: USING LANE CLOSURES (NCDOT RSD 1101.02 (SHEET 1 OF 19)) AND FLAGGERS (AS NEEDED), CONSTRUCT THE FOLLOWING WIDENING LOCATIONS INCLUDING ALL PROPOSED GRADING, DRAINAGE, PAVING, AND UTILITIES (SEE TMP-6 FOR DETAILS):

- 1) -L- STA. 31+00± TO STA. 35+93± (INCLUDING SIDE ROAD CURB & GUTTER AND SIDEWALK ON -Y9- AND -Y10-)

STEP 3: USING LANE CLOSURES (NCDOT RSD 1101.02 (SHEETS 1 AND 2 OF 19)) AND FLAGGERS (AS NEEDED), CONSTRUCT THE FOLLOWING WEDGING AND WIDENING LOCATIONS INCLUDING ALL PROPOSED GRADING, DRAINAGE, PAVING, AND UTILITIES (SEE TMP-7 AND TMP-8 FOR DETAILS):

- 1) -Y9- STA. 12+15± TO -Y9- STA. 13+95±
- 2) -L- STA. 31+00± TO -L- STA. 35+93±
- 3) -Y10- STA. 11+95± TO -Y10- STA. 13+76±
- 4) -Y6- STA. 10+18± TO -Y6- STA. 12+24±
- 5) -Y6- STA. 13+34± TO STA. -Y6- 14+30±

### PHASE 2:

STEP 1: INSTALL TEMPORARY PAVEMENT MARKINGS AS SHOWN ON SHEETS TMP-10 THRU TMP-12 PRIOR TO SHIFTING TRAFFIC ONTO NEWLY CONSTRUCTED ROADWAY SEGMENTS FROM PHASE 1. INSTALL DETOUR SIGNING AS SHOWN ON TMP-13, COVERING ALL DETOUR SIGNS UNTIL TRAFFIC IS READY TO BE SWITCHED OVER TO THE DETOUR.

USING NCDOT RSD 1101.03 (SHEETS 1 & 2 OF 9) AND THE DETAILS ON SHEETS TMP-9 THRU TMP-12, CLOSE SR 1001 (SHALLOWFORD RD) TO TRAFFIC FROM -Y3- STA. 12+30± TO -Y2- STA. 12+50±, SHIFTING TRAFFIC ONTO THE OFF-SITE DETOUR AND UNCOVERING THE DETOUR SIGNS PREVIOUSLY INSTALLED. CONSTRUCT THE FOLLOWING INCLUDING ALL PROPOSED GRADING, DRAINAGE, PAVING, AND UTILITIES:

- 1) -L- STA. 10+78± TO -L- STA. 12+90±
- 2) REMAINING PORTION OF -RABT1-
- 3) -Y2-
- 4) -Y3-

INTERMEDIATE CONTRACT TIME: COMPLETE THE WORK REQUIRED IN PHASE 2-STEP 1 IN ONE-HUNDRED (100) CONSECUTIVE CALENDAR DAYS (SEE CONTRACT FOR LIQUIDATED DAMAGES).

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