

# TRAFFIC CONTROL PHASING

## PHASE ONE

**STEP 1**

CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS ON -L- AND ALL -Y- LINES ACCORDING TO DETAILS ON SHEET TCP-29

**STEP 2**

USING TRAFFIC CONTROL DEVICES, NCDOT STANDARDS 1101.02, SHEET 1 OF 7, TEMPORARY LANE CLOSURES, AND REFERRING TO SHEETS TCP-5 THRU TCP-10, CONSTRUCT THE FOLLOWING:

CONSTRUCT ROADWAY WIDENING UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT AT THE FOLLOWING LOCATIONS USING TEMPORARY LANE CLOSURES:

-L- STA. 13+80 +/- TO -L- STA. 22+25 +/- WESTBOUND ONLY

CONSTRUCT PAVEMENT WIDENING UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT AT THE FOLLOWING LOCATIONS:

-L- 46+81 +/- TO -L- STA. 66+00 +/-  
 -L- 86+00 +/- TO -L- STA. 96+18 +/-  
 -L- 201+92 +/- TO -L- STA. 208+00 +/-

REMOVE EXISTING TRAFFIC CHANNELIZATION ISLAND AT -L- STA. 201+80 +/- AND REPLACE WITH PAVEMENT

PLACE TEMPORARY MARKINGS FROM -L- STA. 27+14 +/- TO EXISTING INTERSECTION AT -L- STA. 30+00 +/-, REMOVE CONFLICTING MARKING AND SHIFT TRAFFIC.

USING TRAFFIC CONTROL DEVICES AND REFERRING TO SHEETS TCP-5 THRU TCP-10, BEGIN CONSTRUCTION ON THE FOLLOWING STRUCTURES:

TEMP CULVERT AT -DET2- STA. 12+50 +/- WETLANDS  
 BRIDGE AT -L- STA. 31+47 +/- TO -L- STA. 32+88 +/- AT BEAVER CREEK (STAGE 1 STRUCTURE CONSTRUCTION - EASTBOUND LANES)  
 CULVERT AT -L- STA. 106+20 +/- BUCKHEAD CREEK  
 CULVERT AT -L- STA. 118+40 +/- WETLANDS  
 BRIDGE AT -L- STA. 159+82 +/- TO -L- STA. 162+40.63 CSX RAILROAD  
 CULVERT AT -L- STA. 184+20 +/- WETLANDS

USING TRAFFIC CONTROL DEVICES, NCDOT STANDARDS 1101.02, SHEET 1 OF 7, AND REFERRING TO SHEETS TCP-5 THRU TCP-10, BEGIN CONSTRUCTION ON NEW LOCATION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, AT THE FOLLOWING LOCATIONS:

-L- STA. 21+00 +/- TO -L- STA. 29+00 +/- EASTBOUND LANES ONLY  
 -L- STA. 32+88 +/- END BRIDGE TO -L- STA. 39+00 +/- EASTBOUND LANES ONLY  
 -L- STA. 39+00 +/- TO -L- STA. 45+00 +/-  
 -L- STA. 104+00 +/- TO -L- STA. 137+36 +/-  
 -L- STA. 137+60 +/- TO -L- STA. 186+50 +/-  
 -L- STA. 186+80 +/- TO -L- STA. 201+33 +/-  
 -Y2- STA. 11+57 +/- TO -Y2- STA. 13+50 +/- SOUTHBOUND LANES ONLY  
 -Y3- STA. 16+10.96 TO -Y3- STA. 17+69.55

**STEP 3**

USING TRAFFIC CONTROL DEVICES, NCDOT STANDARDS 1101.02, SHEET 1 OF 7, TEMPORARY LANE CLOSURES, AND REFERRING TO SHEETS TCP-6, AND TCP-30, VERTICAL PROFILE FOR -Y2- FISHER ROAD, CONSTRUCT THE FOLLOWING:

PAVEMENT WIDENING AT TEMPORARY GRADE FROM -Y2- STA. 9+66 +/- TO -Y2- STA. 11+57 +/-

PAVEMENT WIDENING AT TEMPORARY GRADE FROM -L- STA. 29+00 +/- TO -L- STA. 29+60 +/-

TEMPORARY PAVEMENT CULVERT DETOUR ON FISHER ROAD (-Y2-) FROM -DET2- STA. 10+00.00 TO -DET2- STA. 15+08.66 = -Y2- STA. 17+83.88

USING TRAFFIC CONTROL DEVICES, NCDOT STANDARDS 1101.02, SHEET 1 OF 7, TEMPORARY LANE CLOSURES, AND REFERRING TO TCP-6, INSTALL TEMPORARY PAVEMENT MARKINGS (PAINT) AT THE FOLLOWING LOCATIONS:

-Y2- STA. 9+96 +/- TO -Y2- STA. 13+50 +/-  
 -DET2- STA. 10+00.00 TO -DET2- STA. 15+08.66

INSTALL SECURED CONCRETE BARRIER FROM -Y2- STA. 10+25 +/- TO -Y2- STA. 13+50 +/-

INSTALL TEMPORARY TRAFFIC SIGNALS AT THE FOLLOWING LOCATIONS

-L- STA. 29+50 +/-  
 -L- STA. 201+50 +/-

**STEP 4**

WORK IN A CONTINUOUS MANNER AND COMPLETE THE FOLLOWING IN ONE WORK PERIOD:

REMOVE CONFLICTING PAVEMENT MARKINGS AND SHIFT FISHER ROAD (-Y2-) TRAFFIC INTO TEMPORARY DETOUR TRAFFIC PATTERN AS SHOWN ON SHEET TCP-6.

USING TRAFFIC CONTROL DEVICES AND REFERRING TO SHEET TCP-6, AND ROADWAY DESIGN SHEETS 5 AND 20, CONSTRUCT CULVERT ON FISHER ROAD AT -Y2- STA. 15+75 +/-

## PHASE TWO

**STEP 1**

USING TRAFFIC CONTROL DEVICES, NCDOT STANDARDS 1101.02, SHEET 1 OF 7, TEMPORARY LANE CLOSURES, AND REFERRING TO SHEETS TCP-12 THRU TCP-17, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AT THE FOLLOWING LOCATIONS:

-L- STA. 13+80 +/- TO -L- STA. 22+62 +/-  
 -L- STA. 29+64 +/- TO -L- STA. 33+81 +/-  
 -L- STA. 46+81 +/- TO -L- STA. 66+00 +/-  
 -L- STA. 72+77 +/- TO -L- STA. 73+83 +/-  
 -L- STA. 75+27 +/- TO -L- STA. 76+05 +/-  
 -L- STA. 86+00 +/- TO -L- STA. 96+18 +/-  
 -L- STA. 201+80 +/- TO -L- STA. 211+93.67  
 -Y8- STA. 15+20 +/- TO -Y8- STA. 16+29 +/-  
 -Y8- STA. 17+84 +/- TO -Y8- STA. 20+24.67

**STEP 2**

WORK IN A CONTINUOUS MANNER AND COMPLETE THE FOLLOWING IN ONE WORK PERIOD:

ACTIVATE TEMPORARY SIGNAL AT -L- STA. 201+50 +/-

REMOVE CONFLICTING PAVEMENT MARKINGS AND SHIFT TRAFFIC INTO TEMPORARY TRAFFIC PATTERN AS SHOWN ON SHEETS TCP-12 THRU TCP-18

**STEP 3**

USING TRAFFIC CONTROL DEVICES AND NCDOT STANDARDS 1101.02, SHEET 1 OF 7, TEMPORARY LANE CLOSURE, AND REFERRING TO SHEETS TCP-12 THRU TCP-18, CONSTRUCT THE FOLLOWING:

CONSTRUCT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE OF THE PROPOSED HOPE MILLS BYPASS (-L-) AND ASSOCIATED -Y- LINES AT THE FOLLOWING LOCATIONS:

-L- STA. 13+80 +/- TO -L- STA. 21+00 +/- EASTBOUND LANES ONLY  
 -L- STA. 45+00 +/- TO -L- STA. 100+00 +/- EASTBOUND LANES ONLY  
 -L- STA. 186+50 +/- TO -L- STA. 186+80 +/-  
 -L- STA. 201+34 +/- TO -L- STA. 211+93.67 EASTBOUND LANES ONLY  
 -Y5- STA. 10+00 +/- TO -Y5- STA. 11+73.65  
 -Y6- STA. 10+11 +/- TO -Y6- STA. 12+20.87  
 -Y8- STA. 15+20 +/- TO -Y8- STA. 20+24.67  
 -Y12- STA. 12+50 +/- TO -Y12- STA. 30+00 +/-  
 -Y14- STA. 10+00 +/- TO -Y14- STA. 12+50 +/-  
 -Y15- STA. 10+00 +/- TO -Y15- STA. 28+51.05

REFERRING TO SHEET TCP-15, CONSTRUCT FROM -L- STA. 100+00 +/- TO SOUTH EDGE AND ELEVATION OF EXISTING GEORGE OWEN ROAD AT -L- STA. 102+50 +/- AND FROM NORTH EDGE AND ELEVATION OF EXISTING GEORGE OWEN ROAD AT -L- 102+00 +/- TO -L- STA. 104+00 +/-

**STEP 4**

USING TRAFFIC CONTROL DEVICES, NCDOT STANDARDS 1101.02, SHEET 1 OF 7, TEMPORARY LANE CLOSURES, AND REFERRING TO SHEETS TCP-12 THRU TCP-18:

CONSTRUCT -Y2- STA. 13+50 +/- TO -Y2- STA. 17+83.88, UP TO BUT NOT INCLUDING FINAL SURFACE COURSE

CONSTRUCT PAVEMENT WIDENING AT THE FOLLOWING LOCATIONS:

FROM THE EDGE OF EXISTING CUMBERLAND ROAD AT -Y3- STA. 15+21 +/- TO PROPOSED GRADE AT -Y3- STA. 16+10.96

-L- STA. 42+00 +/- TO -L- STA. 44+00 +/-  
 -L- STA. 202+34 +/- TO -L- STA. 205+00 +/-

PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AT THE FOLLOWING LOCATIONS:

-Y12- STA. 12+50 +/- TO -Y12- STA. 30+00 +/-  
 -Y15- STA. 10+00 +/- TO -Y15- STA. 28+51.05

**STEP 5**

COMPLETE ALL CONSTRUCTION BEGUN PREVIOUSLY

WORK IN A CONTINUOUS MANNER AND COMPLETE THE FOLLOWING IN ONE WORK PERIOD:

ACTIVATE TEMPORARY TRAFFIC SIGNAL AT -L- STA. 29+50 +/-

REMOVE CONFLICTING PAVEMENT MARKINGS AND SHIFT TRAFFIC INTO TEMPORARY TRAFFIC PATTERN AS SHOWN ON SHEET TCP-13

REMOVE EXISTING FISHER ROAD FROM -Y2- STA. 10+00 +/- TO -Y2- STA. 14+00 +/-

**STEP 6**

USING TRAFFIC CONTROL DEVICES, NCDOT STANDARDS 1101.02, SHEET 1 OF 7, TEMPORARY LANE CLOSURES, AND REFERRING TO SHEET TCP-15, CONSTRUCT THE FOLLOWING:

UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA. 100+00 +/- TO -L- STA. 104+00 +/- EASTBOUND LANES ONLY (THE PORTION NOT CONSTRUCTED IN STEP 3)

USING TRAFFIC CONTROL DEVICES, NCDOT STANDARDS 1101.02, SHEET 1 OF 7, TEMPORARY LANE CLOSURES, AND REFERRING TO SHEET TCP-13, CONSTRUCT THE FOLLOWING:

-L- STA. 29+60 +/- TO -L- STA. 30+00 +/- PAVEMENT WIDENING  
 -L- STA. 30+00 +/- TO -L- STA. 31+47 +/-  
 -Y2- STA. 10+49 +/- TO -Y2- STA. 15+48 +/- NORTHBOUND LANES ONLY

## PHASE THREE

**STEP 1**

USING TRAFFIC CONTROL DEVICES, NCDOT STANDARDS 1101.02, SHEET 1 OF 7, TEMPORARY LANE CLOSURES, AND REFERRING TO TCP-20 THRU TCP-27, INSTALL TEMPORARY PAVEMENT MARKINGS (PAINT) AT THE FOLLOWING LOCATIONS:

-L- STA. 13+80 +/- TO -L- STA. 211+93.67 EASTBOUND LANES ONLY  
 -Y2- STA. 10+69 +/- TO -Y2- STA. 17+83.88  
 -Y3- STA. 11+63.26 TO -Y3- STA. 17+58 +/-  
 -Y8- STA. 15+20 +/- TO -Y8- STA. 20+25 +/-  
 -Y12- STA. 12+50 +/- TO -Y12- STA. 30+00 +/-  
 -Y15- STA. 10+00 +/- TO -Y15- STA. 28+51.05

INSTALL AND MAKE FUNCTIONAL THE FOLLOWING TRAFFIC SIGNALS USING TEMPORARY SIGNAL HEADS FOR TRAFFIC CONTROL

HOPE MILLS BYPASS (-L-) AT FISHER ROAD (-Y2- NEW LOCATION)  
 HOPE MILLS BYPASS (-L-) AT CUMBERLAND ROAD (-Y3-)  
 HOPE MILLS BYPASS (-L-) AT NC 59 (-Y8-)  
 HOPE MILLS BYPASS (-L-) AT CAMDEN ROAD (-Y12-)  
 HOPE MILLS BYPASS (-L-) AT LEGION ROAD (-Y15-)

**STEP 2**

WORK IN A CONTINUOUS MANNER AND COMPLETE THE FOLLOWING IN ONE WORK PERIOD:

REFERRING TO SHEETS TCP-20 THRU TCP-27, REMOVE CONFLICTING PAVEMENT MARKINGS AND SHIFT TRAFFIC INTO TEMPORARY TRAFFIC PATTERN REFERRING TO SHEET TCP-22, CLOSE -Y4- TO THROUGH TRAFFIC

**STEP 3**

REFERRING TO SHEETS TCP-21 AND TCP-22, REMOVE THE FOLLOWING:

DETOUR ROAD ON FISHER ROAD  
 EXISTING BRIDGE ON CUMBERLAND ROAD  
 EXISTING CUMBERLAND ROAD  
 EXISTING GEORGE OWEN ROAD

**STEP 4**

REFERRING TO SHEET TCP-21, CONSTRUCT THE FOLLOWING STRUCTURE:

BRIDGE AT -L- STA. 31+47 +/- TO -L- STA. 32+88 +/- AT BEAVER CREEK (STAGE 2 STRUCTURE CONSTRUCTION)

USING TRAFFIC CONTROL DEVICES AND NCDOT STANDARDS 1101.02, SHEET 1 OF 7, TEMPORARY LANE CLOSURES, AND REFERRING TO TCP-20 THRU TCP-27, CONSTRUCT UP TO BUT NOT INCLUDING FINAL SURFACE COURSE, AT THE FOLLOWING LOCATIONS:

-L- STA. 19+35 +/- TO -L- STA. 31+47 +/- WESTBOUND LANES ONLY  
 -L- STA. 32+88 +/- TO -L- STA. 39+00 +/- WESTBOUND LANES ONLY  
 -L- STA. 45+00 +/- TO -L- STA. 73+79 +/- WESTBOUND LANES ONLY  
 -L- STA. 75+40 +/- TO -L- STA. 104+00 +/- WESTBOUND LANES ONLY  
 -L- STA. 202+50 +/- TO -L- STA. 211+93.67 WESTBOUND LANES ONLY  
 -Y1- STA. 10+60 +/- TO -L- STA. 12+50 +/-  
 -Y3- STA. 11+63.26 TO -Y3- STA. 16+10.96  
 -Y4- STA. 10+00 +/- TO -Y4- STA. 14+24 +/-  
 -Y7- STA. 11+00 +/- TO -Y7- STA. 12+58 +/-  
 -Y9- STA. 11+58 +/- TO -Y9- STA. 13+38 +/-  
 -Y10- STA. 11+65 +/- TO -Y10- STA. 13+50 +/-  
 -Y11- STA. 12+47 +/- TO -Y11- STA. 15+00 +/-  
 DIXIE YARN DRIVEWAY ACCESS FROM STA. 10+50 +/- TO STA. 12+50 +/-  
 -SERV1- STA. 10+00 +/- TO -SERV1- STA. 11+00 +/-  
 -SERV2- STA. 10+09 +/- TO -SERV2- STA. 13+50.55

## PHASE FOUR (PAVEMENT MARKING PLAN)

**STEP 1**

USING TRAFFIC CONTROL DEVICES, NCDOT STANDARDS 1101.02, SHEET 1 OF 7, TEMPORARY LANE CLOSURES, AND REFERRING TO SHEETS PM-2 THRU PM-14, CONSTRUCT ALL RAISED MEDIANS AND MONOLITHIC ISLANDS, PLACE FINAL SURFACE COURSE, AND FINAL PAVEMENT MARKINGS (THERMO) AT THE FOLLOWING LOCATIONS:

-L- STA. 13+80 +/- TO -L- STA. 211+93.67  
 -Y1- STA. 10+60 +/- TO -Y1- STA. 12+50 +/-  
 -Y2- STA. 10+00 +/- TO -Y2- STA. 17+83.88  
 -Y4- STA. 10+00 +/- TO -Y2- STA. 14+24.18  
 -Y5- STA. 10+00 +/- TO -Y5- STA. 11+73.65  
 -Y6- STA. 10+00 +/- TO -Y6- STA. 12+20.87  
 -Y7- STA. 11+00 +/- TO -Y7- STA. 12+70 +/-  
 -Y8- STA. 15+03.36 TO -Y8- STA. 20+24.67  
 -Y9- STA. 11+58.66 TO -Y9- STA. 13+50 +/-  
 -Y10- STA. 11+64.57 TO -Y10- STA. 13+50 +/-  
 -Y11- STA. 12+47 +/- TO -Y11- STA. 15+00 +/-  
 -Y12- STA. 12+50 +/- TO -Y12- STA. 30+00 +/-  
 -Y14- STA. 10+00 +/- TO -Y14- STA. 12+14.21  
 -Y15- STA. 10+00 +/- TO -Y15- STA. 28+51.05  
 DIXIE DRIVE STA. 10+00 +/- TO STA. 12+50 +/-  
 -SERV1- STA. 10+00 +/- TO -SERV1- STA. 13+39.69  
 -SERV2- STA. 10+09 +/- TO -SERV2- STA. 13+50.55

USING TRAFFIC CONTROL DEVICES, NCDOT STANDARDS 1101.02, SHEET 1 OF 7, TEMPORARY LANE CLOSURES, AND REFERRING TO SHEET PM-4, CONSTRUCT -Y3- FROM -Y3- STA. 11+63.26 TO -Y3- STA. 17+69.55 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND PLACE MARKINGS (PAINT)

**STEP 2**

WORK IN A CONTINUOUS MANNER AND COMPLETE THE FOLLOWING IN ONE WORK PERIOD:

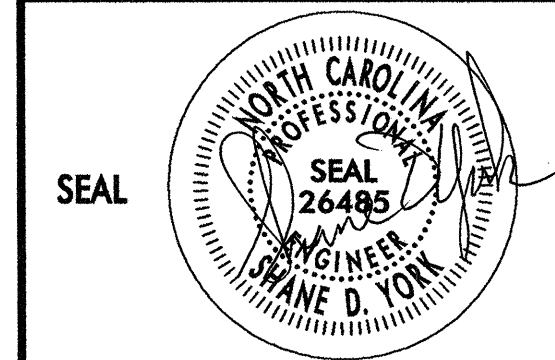
UPGRADE ALL TRAFFIC SIGNALS TO FINAL DESIGN

REMOVE CONFLICTING PAVEMENT MARKING AND SHIFT ALL TRAFFIC INTO FINAL TRAFFIC PATTERN

REMOVE ALL TRAFFIC CONTROL DEVICES

03/11/57 PM 01/05/2005 R:\TrafficControl\TCP\U0620.TCP.TSH.DGN

APPROVED: SHANE D. YORK, PE DATE: 12/03/03



## TRAFFIC CONTROL PHASING

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|--------------------------|--|-----------|--|
| SCALE: N.A.              |  | REVISIONS |  |
| DATE: 12/03/03           |  | 1/05      |  |
| DWG. BY: S. YORK         |  |           |  |
| DESIGN BY: S. YORK       |  |           |  |
| REVIEWED BY: A.D. SARVIS |  |           |  |