

PROJECT PHASING

MAINTAIN EXISTING DRIVEWAY CONNECTIONS THROUGH ALL PHASES.

PHASE I

STEP 1) PRIOR TO ANY CONSTRUCTION ACTIVITY, INSTALL WORK ZONE ADVANCE WARNING SIGNS, IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1101.01, ON ALL ROADS INVOLVED (NC 16, CLAREMONT RD, LEONARD AVE, COLEY FISH POND RD, CREST VIEW RD, BETHANY CHURCH RD, SMYRE FARM RD, SOUTH PARK DR, WOODSTONE DR, STOVE DR, SPRING LAKE DR, PROVIDENCE MILL RD AND BALLS CREEK RD).

STEP 2) USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 15, BEGIN CLEARING AND GRADING OPERATIONS, AND CONSTRUCTION OF PROPOSED DRAINAGE (INCLUDING CURB AND GUTTER) ALONG AND ACROSS EXISTING NC 16 AND ALL -Y- LINES AND DRIVEWAYS, AS DIRECTED BY THE ENGINEER (SEE CONSTRUCTION PLANS AND LOCAL NOTE 1).

CONSTRUCT THE TEMPORARY SHORING ON THE SOUTH SIDE OF EXISTING NC 16 AND PLACE PCB USING THE SHORING DETAIL SHOWN ON TMP-2A AT THE FOLLOWING LOCATIONS:

- L- STA. 28+50 TO STA. 29+50, 35.67' RT
- L- STA. 42+93 TO STA. 43+93, 35.67' RT
- L- STA. 189+80 TO STA. 190+50, 3.00' LT
- L- STA. 192+56 TO STA. 193+56, 4.00' LT

STEP 3) WORKING AWAY FROM TRAFFIC OR USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 AND FLAGGERS, CONSTRUCT 5' (UNLESS OTHERWISE NOTED ON PLANS) TEMPORARY PAVEMENT WIDENING OF -L- (NC 16), ALONG WITH A 6' TURF SHOULDER ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-04 THRU TMP-11 AND ROADWAY CONSTRUCTION PLANS):

- L- STA. 27+30 ± TO STA. 31+08± RT
- L- STA. 41+65 ± TO STA. 82+91± RT
- L- STA. 92+40 ± TO STA. 117+59 ± LT
- L- STA. 137+90 ± TO STA. 155+50 ± LT
- L- STA. 165+50 ± TO STA. 172+60 ± LT

CONSTRUCT TEMPORARY MEDIAN CROSS-OVER AS FOLLOWS (SEE TMP-11 AND ROADWAY CONSTRUCTION PLANS):

- L- STA. 196+17± TO STA. 198+28± MED

NOTE: TEMPORARY PAVEMENT WIDENING IS TO REMAIN IN PLACE AND IS CONSIDERED EXISTING PAVEMENT IN THE FUTURE PHASES.

STEP 4) PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND MARKERS ON THE NEW CONSTRUCTED WIDENING FOR THE SHIFTED TRAFFIC PATTERN. OBLIERATE ANY CONFLICTING MARKINGS AND SHIFT TRAFFIC AS FOLLOWS:

USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 15 AND FLAGGERS, RE-DIRECT THE EASTBOUND TRAFFIC ON THE NEWLY WIDENED PAVEMENT IN THE NEW TRAFFIC LANES. OBLITERATE ANY CONFLICTING MARKINGS AND RELOCATE ANY NECESSARY TRAFFIC CONTROL DEVICES. AFTER THE EASTBOUND LANES ARE SHIFTED AND USING FLAGGERS AS NECESSARY, SHIFT THE WESTBOUND TRAFFIC INTO THE NEW, SHIFTED TRAFFIC PATTERNS. RELOCATE AND NECESSARY TRAFFIC CONTROL DEVICES (SEE TMP-04 THRU TMP-11).

STEP 5) CONSTRUCT THE TEMPORARY SHORING ON THE NORTH SIDE OF EXISITNG NC 16 AND PLACE PCB USING THE DETAIL SHOWN ON SHEET TMP-2A AT THE FOLLOWING LOCATIONS:

- L- STA. 28+50 TO STA. 29+50, 0.00' LT
- L- STA. 42+97 TO STA. 43+97, 0.00' LT

STEP 6) WORKING AWAY FROM TRAFFIC OR USING ROADWAY STANDARD DRAWING 1101.02 SHEETS 1 AND 3 CONSTRUCT WIDENING AND WEDGING AWAY FROM TRAFFIC, EXCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-04 THRU TMP-11 & CONSTRUCTION PLANS):

- L- STA. 16+50± TO STA. 92+00± LT
- L- STA. 158+00± TO STA. 160+50± LT
- L- STA. 84+00± TO STA. 198+28± RT
- Y2- STA. 12+00± TO STA. 13+90±

CONSTRUCT THE FOLLOWING LOCATIONS UNDER EXISTING TRAFFIC USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 15:

- L- STA. 84+00± TO STA. 92+40±
- Y5- STA. 11+00± TO STA. 14+63±
- Y6- STA. 10+37± TO STA. 13+39±

PHASE I CONTINUED

COMPLETE THE WORK OF PHASE I, STEP 7, COLEY FISH POND ROAD -Y3- WITHIN A PERIOD OF 60 DAYS.

COMPLETE THE WORK OF PHASE I, STEP 7, WOODSTONE DRIVE -Y8- WITHIN A PERIOD OF 30 DAYS.

STEP 7) WORKING AWAY FROM TRAFFIC OR USING ROADWAY STANDARD DRAWING 1101.02 SHEET 1 CONSTRUCT THE TEMPORARY SIGNALS ACCORDING TO THE SIGNAL PLANS AT THE FOLLOWING INTERSECTIONS:

NC 16 -L- / BETHANY CURCH RD -Y5- / SMYRE FARM RD -Y6-
NC 15 -L- / PROVIDENCE MILL RD -Y11- / BALLS CREEK RD -Y12-

NOTE: AFTER COMPLETION OF -Y5- BETHANY CHURCH RD, CLOSE -Y3- COLEY FISH POND RD. (SEE DETOUR SHEET TMP-12) USING ROADWAY STANDARD DRAWING 1101.03 SHEETS 1 AND 2 AND CONSTRUCT AS FOLLOWS (SEE DETAILS ON TMP-04 AND TMP-06 & CONSTRUCTION PLANS):

- Y3- STA. 13+20± TO STA. 16+50±
- Y7- STA. 10+39± TO STA. 13+00±
- Y8- STA. 10+37± TO STA. 13+84±
- Y11- STA. 10+36± TO STA. 14+63±
- Y12- STA. 10+06± TO STA. 18+18±

NOTE: THE CONSTRUCTION OF -Y8- WILL REQUIRE THAT THE EXISTING ROADWAY BE LOWER. SINCE THERE IS NO OUTLET, THE CONTRACTOR SHALL, AS DIRECTED BY THE ENGINEER, AND USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, PLACE AGGREGATE BASE COURSE, INCIDENTAL STONE OR ASPHALT BASE COURSE & BINDER COURSE TO MAINTAIN ACCESS.

CONTRACTOR SHALL PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) ON ASPHALT BINDER/SURFACE COURSE, OR DRUMS, ON AGGREGATE BASE COURSE/INCIDENTAL STONE TO DELINEATE THE TRAVELWAY DURING CONSTRUCTION.

PHASE II

STEP 1) UPON COMPLETION OF THE WESTBOUND LANES IN PHASE I, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND MARKERS ON THE NEWLY CONSTRUCTED WESTBOUND LANES. PLACE PORTABLE CONCRETE BARRIER AND CONSTRUCT TEMPORARY SHORING AT:

- L- STA. 28+45 TO STA. 29+45, 8.00' LT
- L- STA. 43+15 TO STA. 44+15, 8.00' LT
- L- STA. 189+80 TO STA. 190+80, 4.00' LT
- L- STA. 192+52 TO STA. 193+52, 4.00' LT

STEP 2) OBLIERATE ANY CONFLICTING MARKINGS AND SHIFT TRAFFIC AS FOLLOWS:

USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 15 AND FLAGGERS, RE-DIRECT THE WESTBOUND TRAFFIC ON TO THE NEWLY CONSTRUCTED OUTSIDE WESTBOUND LANE. AFTER THE WESTBOUND LANE IS SHIFTED, USE FLAGGERS AS NECESSARY, SHIFT THE EASTBOUND TRAFFIC ON TO THE INSIDE WESTBOUND LANE IN THE EASTBOUND DIRECTION. RELOCATE ANY NECESSARY TRAFFIC CONTROL DEVICES. (SEE TMP-13 THRU TMP-19).

NOTE: THE EASTBOUND LANES OF THE PROJECT ARE CONSTRUCTED FIRST ON THE EAST END OF THE PROJECT SO THE ABOVE TRAFFIC SHIFT IS FROM THE WESTBOUND TO EASTBOUND.

STEP 3) USING ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 15 AND FLAGGERS AS NEEDED, ACTIVATE MODIFIED THE TRAFFIC SIGNALS TO ACCOMODATE THE NEW, SHIFTED TRAFFIC PATTERNS AT THE FOLLOWING INTERSECTIONS:

NC 16 -L- / BETHANY CURCH RD -Y5- AT SMYRE FARM RD -Y6-
NC 16 -L- / PROVIDENCE MILL RD -Y11- AT BALLS CREEK RD -Y12-
(SEE SHEETS TMP-15 & TMP-18)

STEP 4) USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 15 AND FLAGGERS AS NEEDED, WEDGE UNDER TRAFFIC UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AT THE FOLLOWING LOCATIONS (SEE TMP-23 AND THE ROADWAY CONSTRUCTION PLANS):

- L- STA. 153+50± TO STA. 158+00±
- L- STA. 161+50± TO STA. 165+50±

PHASE II CONTINUED

COMPLETE THE WORK OF PHASE II, STEP 5, CRESTVIEW DRIVE -Y4- WITHIN A PERIOD OF 60 DAYS.

STEP 5) USE BARRICADES TO CLOSE -Y4- CREST VIEW DR. USING ROADWAY STANDARD DRAWING 1101.03 SHEETS 1 AND 2. CONSTRUCT, EXCLUDING THE FINAL LAYER OF SURFACE COURSE, AS FOLLOWS: (SEE TMP-12, TMP-14, DETOUR SHEET TMP-21 & CONSTRUCTION PLANS):

- Y4- STA. 10+37± TO STA. 13+20±

STEP 6) WORKING AWAY FROM TRAFFIC OR USING ROADWAY STANDARD DRAWING 1101.02 SHEETS 1 AND 3 CONSTRUCT, EXCLUDING THE FINAL LAYER OF SURFACE COURSE, INCLUDING THE MEDIAN AS FOLLOWS (SEE TMP-13 THRU TMP-19 & CONSTRUCTION PLANS):

- L- STA. 15+35± TO STA. 84+00± RT & MED
- L- STA. 92+00± TO STA. 158+00± LT & MED
- L- STA. 160+70± TO STA. 198+28± LT & MED

USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 15 AND FLAGGERS AS NEEDED, CONSTRUCT THE FOLLOWING -Y- LINES UNDER TRAFFIC:

- Y9- STA. 12+61± TO STA. 13+74±
- Y10- STA. 10+19± TO STA. 12+81±

STEP 7) WORKING AWAY FROM TRAFFIC OR USING ROADWAY STANDARD DRAWING 1101.02 SHEETS 1 AND 3, CONSTRUCT THE FOLLOWING TRAFFIC SIGNALS:

NC 16 -L- / BETHANY CURCH RD -Y5- / SMYRE FARM RD -Y6-
NC 15 -L- / PROVIDENCE MILL RD -Y11- / BALLS CREEK RD -Y12-

PHASE III

STEP 1) USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3, ELIMINATE TEMPORARY CROSS OVERS AT THE FOLLOWING LOCATIONS (SEE TMP-20):

- L- STA. 196+17± TO STA. 198+28±

STEP 2) ACTIVATE THE PROPOSED SIGNALS ACCORDING TO THE SIGNAL PLANS. AT THE FOLLOWING INTERSECTIONS:

NC 16 -L- / BETHANY CURCH RD -Y5- / SMYRE FARM RD -Y6-
NC 15 -L- / PROVIDENCE MILL RD -Y11- / BALLS CREEK RD -Y12-


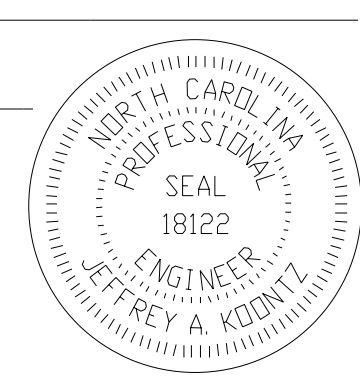

STEP 3) COMPLETE MONOLITHIC ISLAND CONSTRUCTION AND ANY REMAINING CURB AND GUTTER AT THE FOLLOWING INTERSECTIONS: (SEE DETAIL SHEET TMP-20 & CONSTRUCTION PLANS):

NC 16 -L- / BETHANY CURCH RD -Y5- / SMYRE FARM RD -Y6-
NC 15 -L- / PROVIDENCE MILL RD -Y11- / BALLS CREEK RD -Y12-

STEP 4) USING ROADWAY STANDARD DRAWING 1101.02 SHEETS 1 AND 3 AND FLAGGERS AS NEEDED, PLACE THE FINAL LAYER OF SURFACE COURSE, AND FINAL PAVEMENT MARKINGS AND MARKERS ACCORDING TO FINAL PAVEMENT MARKING PLANS.

STEP 5) REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES AND OPEN THE PROJECT IN THE FINAL TRAFFIC PATTERN.

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| APPROVED:  DATE: 1/17/2017 |  |  | <h2>PROJECT PHASING</h2> |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | | |