

PHASE I

STEP 1:

PRIOR TO ANY CONSTRUCTION OPERATIONS INSTALL WORK ZONE ADVANCE WARNING SIGNS PER ROADWAY STANDARD DRAWING 1101.01 SHEETS 1, 2 AND 3 OF 3.

IMPLEMENT PERMANENT ROAD CLOSURES AND CONSTRUCT TURN-AROUNDS/CUL-DE-SAC FOR THE FOLLOWING LOCATIONS:

- HAMILTON RD -Y5- (TMP-4G)
- GRAINGER STATION RD. (TMP-4K)

WHEN CLOSING THE ROADWAYS LISTED ABOVE, INITIALLY INSTALL TEMPORARY ROAD CLOSURE DEVICES PER RSD 1101.03 SHEET 1/9, LESS ANY SIGNS INDICATING A DETOUR, AND CONSTRUCT CUL-DE-SACS & TURNAROUNDS. INSTALL PERMANENT SIGNS ONCE THEY ARE REQUIRED, AS DIRECTED BY THE ENGINEER.

BEGIN CONSTRUCTION OF THE FOLLOWING:

(TMP 4-4M)

- -L- 60+56.32 - 364+30
- -L- BRIDGES OVER NC 11 SPANS A (END BENTS #1 & MEDIAN BENTS #1) (TMP-4L)
- CULVERT EXTENSION -L- 67+50 (TMP-4A)
- NC 11 -Y8- 19+76.61 - 63+00 (TMP 4J-4M)
- NC 58 (-Y1-) WIDENING/WEDGING (TMP-4C,4C1,4C2)
- -Y1LPA-
- -Y1LPD-
- -Y1RPA-
- -Y1RPD-
- -Y8LPC-
- -Y8LPD-
- -Y8RPA-
- -Y8RPB-
- -DR4-
- -Y9- LEFT SIDE UP TO EOP
- PAVE SHOULDERS UNDER BRIDGES ALONG Y3, Y4, Y6, AND Y7 (RSD 1101.02, SH 1 OF 15). REFER TO ROADWAY PLAN TYPICAL SECTIONS.

CONSTRUCT THE FOLLOWING:

- -SERV1- (TMP - 4C1, 4D, 4D.1)

DURING -L- BRIDGE GIRDER ERECTION OPERATIONS OVER EXISTING ROADWAYS, IMPLEMENT TEMPORARY ROAD CLOSURES AS FOLLOWS:

INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES

FOR EACH OF HUGO RD.(Y3), WALLACE FAMILY RD (Y4), FERRELL RD. (Y6), AND SHARON CHURCH RD (Y7) ONE TEMPORARY ROAD CLOSURE WILL BE ALLOWED, FOR A TIME PERIOD OF 168 CONSECUTIVE HOURS FOR THE ERECTION OF THE -L- LINE OVERHEAD BRIDGE GIRDERS. (TMP-4EDET, 4FDET, 4HDET, 4IDET)

FOR NC 58 (Y1) ONE TEMPORARY ROAD CLOSURE WILL BE ALLOWED, FOR A TIME PERIOD OF 59 CONSECUTIVE HOURS BETWEEN THE HOURS OF 7:00 PM FRIDAY TO 6:00 A.M. MONDAY FOR THE ERECTION OF THE -L- LINE OVERHEAD BRIDGE GIRDERS. (TMP- 4CDET, 4CDET1)

DO NOT CLOSE ANY OF THE ABOVE LOCATIONS SIMULTANEOUSLY.

STEP 2: OPENING OF -SERV1- (TMP-4N)

2A: OPEN SERV1 TO TRAFFIC AND SIMULTANEOUSLY CLOSE EN DICKERSON RD. ONCE EN DICKERSON RD. IS CLOSED CONTINUE CONSTRUCTION OF -L- THROUGH THAT AREA.

2B: CLOSE HUMPHREY RD AT NC 58

2C: CONSTRUCT CUL-DE-SAC AT HUMPHREY RD.(RSD 1101.02, SH 1 OF 15)

STEP 3:

COMPLETE THE FOLLOWING BEGUN IN STEP 1:

- -L- BRIDGES OVER NC 11 SPANS A (END BENTS #1 AND MEDIAN BENTS #1)
- NC 11 -Y8- 19+76.61 - 63+00 (TMP 4J-4M)
- INSTALL TEMPORARY BARRIER ON NC 11 PRIOR TO SHIFTING TRAFFIC TO THE NEW Y8 ALIGNMENT IN PHASE II (TMP-5E)

PHASE II OPENING OF -Y8- NC11

STEP 1:

IN A CONTINUOUS OPERATION, COMPLETE -Y8- TIE-INS TO EXISTING NC 11 SWITCH NC 11 TRAFFIC ONTO THE NEW -Y8- ALIGNMENT AND CLOSE THE EXISTING SECTION OF NC 11 AS FOLLOWS:

USE TEMPORARY LANE CLOSURES PER STD. 1101.02 SHEET 3 OR 6 OF 15 DURING THE TRAFFIC SWITCH AS FOLLOWS:

1A: CLOSE THE EXISTING RIGHT LANE OF NC 11 SB AND PAVE THE RIGHT LANE TIE-INS TYING IN THE PROPOSED NC 11 SB TO THE EXISTING.

1B: SWITCH THE SB LANE CLOSURE AND DIRECT NC 11 SB TRAFFIC IN ONE LANE ONTO THE PROPOSED NC 11 SB RIGHT LANE, CLOSE THE EXISTING SB ROADWAY AND PAVE THE SB LEFT LANE TIE-INS.

1C: WITH NC 11 SB ON THE PROPOSED ROADWAY AND NC 11 NB ON THE EXISTING NB ROADWAY, CLOSE THE LEFT LANE OF NC 11 NB AND PAVE THE LEFT LANE TIE-INS OF THE PROPOSED NB LEFT LANE.

1D: SWITCH THE NB LANE CLOSURE AND DIRECT NC 11 NB TRAFFIC IN ONE LANE INTO THE PROPOSED NC 11 NB LEFT LANE. CLOSE THE EXISTING NB ROADWAY AND PAVE THE NB RIGHT LANE TIE-INS.

1E: REMOVE LANE CLOSURES AND OPEN PROPOSED NC 11 TO A FOUR LANE PATTERN (TMP-5C-5F)

STEP 2:

WITH NC 11 TRAFFIC ON THE NEW -Y8- ALIGNMENT CONSTRUCT THE FOLLOWING:

- -Y1- (NC 58) PAVING 34+00 - 44+92 (TMP-5B)
- REMOVE EXISTING NC 11 PAVEMENT, COMPLETE EMBANKMENTS(TMP-5D - 5F)
- CONSTRUCT -L- 60+56 - 73+00 (IN EXISTING NC 148 MEDIAN) AS MUCH AS POSSIBLE, UP TO SUBGRADE (TMP-5A)
- -L- 364+30 - 367+59 (TMP-5E)
- -L- BRIDGES OVER NC 11 CONSTRUCT END BENTS #2 AND COMPLETE BRIDGES (TMP-5E). UTILIZE ROAD CLOSURES WITH OFF SITE DETOUR DURING ERECTION OF GIRDERS (TMP-5F)

INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES

FOR NC 11 (Y8), THREE (3) TEMPORARY ROAD CLOSURE PERIODS WILL BE ALLOWED, BETWEEN THE HOURS OF 11:00 PM TO 5:00 AM , FOR THE ERECTION OF THE -L- LINE BRIDGE GIRDERS OVER NC 11. (TMP-5EDET)

COMPLETE CONSTRUCTION OF ITEMS BEGUN IN PHASE I AND PAVE THRU THE FINAL SURFACE COURSE:

- -L- 78+50 - 367+59
- -Y1LPA-, -Y1LPD-, -Y1RPA-, -Y1RPD-
- -Y8RPA-, -Y8RPB-, -Y8LPC-, -Y8LPD- (TMP-5D, 5E)

PHASE III OPENING OF -L- NC 148

PROCEED TO OPEN -L- PROPOSED NC 148 AND INTERCHANGES AT NC 58 AND NC 11 AS FOLLOWS:

INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES

COMPLETE PHASE III-STEP 1, 2 AND 3 WITHIN A TIME PERIOD OF 59 CONSECUTIVE HOURS STARTING ON FRIDAY AT 7:00 P.M. AND ENDING THE FOLLOWING MONDAY AT 6:00 A.M.

STEP 1:

IMPLEMENT DETOUR AND CLOSE EXISTING NC 148 (TMP-6, 6A-6H).

DEACTIVATE AND BEGIN REMOVAL OF THE SIGNAL AT THE INTERSECTION OF EXISTING NC 148 AND NC58.

STEP 2:

WITH THE EXISTING NC 148- CLOSED AND TRAFFIC OPERATING ON THE DETOUR, COMPLETE THE FOLLOWING ALONG NC 148 -L-:

- CONSTRUCT TIE-IN OF -L- 60+56.32 - 78+50 THRU THE FINAL SURFACE LAYER (TMP-6F, 6G). MAY BEGIN OBLITERATION OF EXISTING NC 148.
- APPLY PAINT MARKINGS ALONG -L-/RAMPS/LOOPS ON FINAL SURFACE IN THE SAME PATTERN AS THE FINAL MARKINGS SHOWN IN THE PAVEMENT MARKING PLAN.
- COMPLETE PROPOSED SIGNING

HAVE PROPOSED NC 148 -L- AND ALL RAMPS AND LOOPS READY TO BE OPENED IN THE NEXT STEP, INCLUDING PROPOSED SIGNING AND PAINT PAVEMENT MARKINGS. PAVEMENT MARKER INSTALLATION IS NOT REQUIRED AT THIS TIME.

PAINT MAY BE USED AT INITIAL OPENING OF NC 148. FINAL PAVEMENT MARKING AND MARKERS MAY BE PLACED AFTER NC 148 IS OPEN AND ONCE ALL OTHER CONSTRUCTION OPERATIONS ARE COMPLETE AS DIRECTED BY THE ENGINEER.

STEP 3:

-Y1- (NC 58) PAVING 15+50 TO 34+00 (TMP-7C, 7C1, 7C2)

OPEN PROPOSED NC 148 (-L-), AND INTERCHANGES AT NC 58 AND NC 11, INCLUDING ALL RAMPS AND LOOPS. (TMP-7, 7A-7C2)

STEP 4:


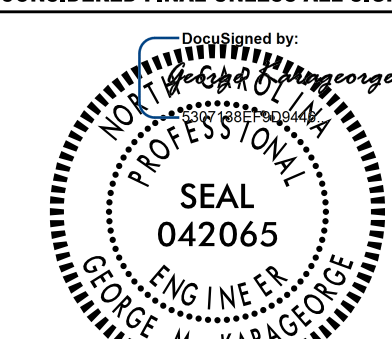
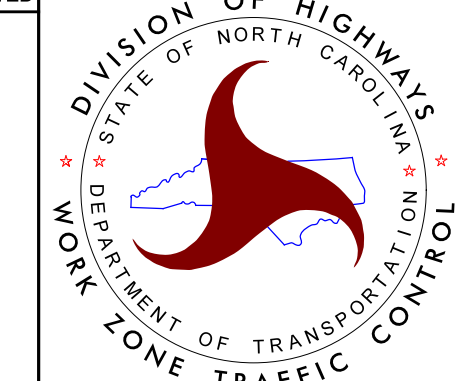
WITH TRAFFIC ON PROPOSED NC 148 CONSTRUCT THE FOLLOWING:

- COMPLETE REMOVAL OF THE EXISTING NC 148 PAVEMENT
- COMPLETE REMOVAL OF THE EXISTING TRAFFIC SIGNAL AT NC 148/NC 58 (USE RSD 1101.02 SH 1 OF15)
- APPLY FINAL MARKINGS/MARKERS ON ALL ROADWAYS ON PROJECT. (USE RSD 1101.02 SHEETS 1 AND 3 OF 15) SLOW MOVING OPERATION CARAVANS MAY BE USED AS APPROVED BY THE ENGINEER PER RSD 1101.02 SHEETS 11, 12, 13 OF 15)

UPON COMPLETION OF ALL OPERATIONS REMOVE ALL TRAFFIC CONTROL DEVICES FROM THE PROJECT.

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 3

9/14/2017 R:\Traffic\TrafficControl\TMP PLAN SHEETS\NR-5703 TMP_03 PHASING.dgn bir-git.mackenzie

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