

PHASING

PHASE I, IA, AND IB (CONTINUED)

NOTE: STEPS 14 THRU 16 MAY BEGIN AT THE END OF DELAY OF ENTRY, OR PER DIRECTIONS BY THE ENGINEER, FOR ROADWAYS -L- FROM STA 366+00+/- TO STA 432+50, -Y17A-, -Y18-, -Y19-, -Y20-, -Y21-, -Y22-, -Y22A-, -Y23-, AND -Y24-. ONCE BEGUN, STEPS 14 THRU 16 MAY BE DONE SIMULTANEOUSLY WITH STEPS 2 THRU 13 AND MAY BE COMPLETED IN ANY ORDER (UNLESS STATED OTHERWISE).

NOTE: STEPS 14.1 AND 14.2 MAY BE DONE SIMULTANEOUSLY AND COMPLETED IN ANY ORDER (UNLESS STATED OTHERWISE).

STEP 14:DOSHER CUTOFF AND DUTCHMAN CREEK BRIDGE: COMPLETE STEPS 14.1 AND 14.3A.

14.1:AWAY FROM TRAFFIC, CONTRACTOR MAY BEGIN BRIDGE AND APPROACHES OVER DUTCHMAN CREEK ON -L- FROM STA 368+60+/- TO STA 370+68+/- (TMP-27)

14.1A:(PHASE IA) COMPLETE STEP 12.4A. USING RSD 1101.02 (SHEET 1 AND 2 OF 14) AS NEEDED, INSTALL GUARDRAIL FROM -L- STA 366+50+/- TO 369+17+/- (USE TMA IF NEEDED), INSTALL SHORING #18, AND CONSTRUCT -L- WB FROM -Y17- TO BRIDGE APPROACH AT -L- STA 368+60+/- (TMP-60)

14.2:INSTALL AND ACTIVATE TEMP SIGNAL AT -Y19REV- AND -LREV-. (TMP-28) REMOVE EXISTING SIGNAL.

14.3:COMPLETE STEP 14.2 USING RSD 1101.02 (SHEET 1, 2 AND 3 OF 14) AND POLICE AS NEEDED, COMPLETE THE FOLLOWING AND REPLACE PAVEMENT MARKINGS:
 - WEDGE AND WIDEN -LREV- FROM STA 376+51+/- TO 384+51+/-, INCLUDING -Y19REV-, AND TEMPORARY PAVEMENT FROM -LREV- STA 372+96+/- TO 376+51+/- (TMP-28)
 - PROVIDE SMOOTH TRANSITION GRADE FROM -LREV- STA 372+93+/- TO 376+51+/-, AND FROM -L- STA 384+44+/- TO 385+45+/- (TMP-28)

14.3A:(PHASE IA) COMPLETE PHASE I STEP 14.3. USING RSD 1101.02 (SHEET 1 AND 2 OF 14) AS NEEDED, PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON TMP-60 AND 61. INSTALL AND ACTIVATE TEMP SIGNAL AT -Y19REV- AND -LREV-, AND SHIFT TRAFFIC TO PHASE IA PATTERN. AWAY FROM TRAFFIC, INSTALL SHORING #19 AND CONSTRUCT -L-/-LREV- WB FROM BRIDGE APPROACH -L- STA 370+68+/- TO -LREV- STA 376+51+/- AND PROVIDE SMOOTH TRANSITION GRADE FROM STA 375+65+/- TO 376+04+/- . INSTALL PHASE II TEMPORARY PAVEMENT MARKINGS AS MUCH AS POSSIBLE. (SEE TMP-102 AND 103)

STEP 15:BRIDGE OVER CP&L CANAL: COMPLETE STEPS 15.1 THRU 15.2A IN ORDER.

15.1:USING RSD 1101.02 (SHEETS 1 AND 2 OF 14) AND POLICE AS NEEDED, CONSTRUCT THE FOLLOWING:
 - TEMPORARY PAVEMENT FROM -LREV- STA 386+98+/- TO -L- STA 388+49+/-
 - REMOVE ISLANDS AND REPAIR PAVEMENT AT -L- STA 402+00+/-
 - PLACE LEVELING COURSE ON -L- FROM STA 391+75+/- TO 403+00+/- AND TEMPORARY PAVEMENT FROM -L- STA 391+75+/- TO -L- STA 393+07+/- (TMP-29 THRU 30)

15.2:INSTALL TEMPORARY PCB FROM -LREV- STA 387+23+/- TO -L- STA 392+82+/- . (TMP-62) AWAY FROM TRAFFIC, BEGIN CONSTRUCTING THE BRIDGE OVER CP&L CANAL FROM -L- STA 388+00+/- TO 392+00+/- .

15.2A:(PHASE IA) AWAY FROM TRAFFIC, CONSTRUCT -L-/-LREV- WB FROM -LREV- STA 384+51+/- TO -L- STA 403+83+/-, INCLUDING TEMPORARY PAVEMENT FROM -L- STA 395+50+/- TO STA 403+83+/- . (TMP-61 THRU 63) INSTALL PHASE II TEMPORARY PAVEMENT MARKINGS AS MUCH AS POSSIBLE. (SEE TMP-103 THRU 105)

PHASE I, IA, AND IB (CONTINUED)

STEP 16:RIVER ROAD: COMPLETE STEPS 16.1 THRU 16.6 IN ORDER AS STATED.

16.1:INSTALL AND COVER TEMPORARY DETOUR SIGNING AND DEVICES AS SHOWN ON TMP-2A.

NOTE: STEPS 16.2 AND 16.3 MAY BE DONE SIMULTANEOUSLY.

COMPLETE THE REQUIREMENTS OF PHASE I, STEP 16.2 FROM SUNDAY 7:00 PM TO FRIDAY 6:00 AM, DURING THE OFF-SEASON. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

16.2:UNCOVER DETOUR SIGNS IN STEP 16.1 AND CLOSE -Y22- (NC 87/RIVER ROAD) TO THROUGH TRAFFIC. INSTALL 54" PIPE NEAR -Y22- STA 23+16+/- . (TMP-31) REMOVE DETOUR SIGNING AND OPEN -Y22- TO TRAFFIC.

16.3:USING RSD 1101.02 (SHEET 1 AND 2 OF 14) AND POLICE AS NEEDED, INSTALL AND ACTIVATE TEMPORARY SIGNAL AT -L- AND -Y22-. REMOVE EXISTING SIGNAL. REMOVE CONCRETE ISLAND AT INTERSECTION OF -L- AND -Y22- AND PAVE ISLAND WITH TEMPORARY PAVEMENT FROM -Y22- STA 33+39+/- TO STA 34+88+/- . (TMP-31)

16.3A:(PHASE IA) COMPLETE PHASE I STEP 16.3. CONSTRUCT IMPROVEMENTS IN CORNER PROPERTY OF -L- AND -Y22- FROM -L- STA 422+50+/- TO -Y22-. (TMP-64 AND 65) CLOSE EXISTING FREE FLOW RIGHT TURN LANE ONTO -Y22- (NC 87/RIVER ROAD). INSTALL AND ACTIVATE TEMPORARY SIGNAL AND REMOVE PREVIOUS TEMPORARY SIGNAL. USING RSD 1101.02 (SHEET 1, 2, 3, 7 AND 11 OF 14) AS NEEDED, WEDGE AND WIDEN -Y22- (NC 87/RIVER ROAD) FROM STA 14+00+/- TO -L- (INCLUDING -Y23- AND -Y24-). (TMP-65, 68, AND 69)

USING RSD 1101.02 (SHEET 1, 2, 3, 7, AND 11 OF 14) WEDGE AND WIDEN -L- WB FROM STA 403+83+/- TO STA 426+90+/-, INCLUDING -Y21- FROM STA 10+25+/- TO -L-. (TMP-63 THRU 65)

COMPLETE THE REQUIREMENTS OF PHASE I, STEP 16.4 IN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS DURING THE OFF-SEASON. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

16.4:(PHASE IB) COMPLETE STEPS 16.4A AND 16.4B IN ORDER.

16.4A:COMPLETE STEP 16.3A AND USING RSD 1101.02 (SHEET 1 AND 2 OF 14) AND POLICE AS NEEDED, INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS AND SHIFT TRAFFIC TO PATTERN AS SHOWN ON TMP-74 AND 75, AS WELL AS TMP-114 AND 115 FOR -Y22-. THEN ACTIVATE TEMPORARY SIGNAL AND REMOVE PREVIOUS TEMPORARY SIGNAL. USING RSD 1101.02 (SHEET 1 AND 2 OF 14) AND POLICE AS NEEDED, INSTALL TEMPORARY ANCHORED PCB BETWEEN -L- STA 427+98+/- AND STA 429+10+/- . AWAY FROM TRAFFIC, INSTALL TEMPORARY SHORING #20 AND #21, INSTALL PROPOSED CULVERT (LT), AND WEDGE AND WIDEN -L- WB FROM STA 426+90+/- TO 430+98+/- . (TMP-75)

16.4B:USING RSD 1101.02 (SHEET 1 AND 2 OF 14) AS NEEDED, INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS. AWAY FROM TRAFFIC, INSTALL TEMPORARY ANCHORED PCB FROM -L- STA 427+60+/- TO STA 429+30+/- (AS MUCH AS POSSIBLE AND USE TMA AT UNPROTECTED END). ACTIVATE TEMPORARY SIGNAL, REMOVE EXISTING TEMPORARY SIGNAL, SHIFT TRAFFIC TO LEFT OF PCB, AND COMPLETE PCB INSTALLATION. AWAY FROM TRAFFIC, COMPLETE PROPOSED CULVERT. (TMP-76) USING RSD 1101.02 (SHEET 1 AND 2 OF 14) AS NEEDED, WEDGE AND WIDEN -L- EB FROM STA 426+60+/- AND STA 431+00+/-, REMOVE SHORING AS NEEDED. REMOVE TEMPORARY PCB, INSTALL PAVEMENT MARKINGS AND MARKERS AS SHOWN ON TMP-78, ACTIVATE TEMPORARY SIGNAL, AND SHIFT TRAFFIC TO NEW TRAFFIC PATTERN.

COMPLETE THE REQUIREMENTS OF PHASE I STEP 16.5 IN ANY TWO (2) CONSECUTIVE WEEKENDS, FROM FRIDAY 7:00 PM TO MONDAY 6:00 AM OF THE SECOND WEEKEND. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

16.5:(PHASE IB) COMPLETE STEPS 16.5A AND 16.5B IN ORDER.

16.5A:USING RSD 1101.02 (SHEET 1 AND 2 OF 14) AND POLICE AS NEEDED, INSTALL AS MUCH OF 60 INCH PIPE ACROSS -Y22- AS POSSIBLE WITH A TRENCHBOX AND A STEEL PLATE. REPAIR PAVEMENT AND RETURN TRAFFIC TO TEMPORARY PATTERN FOR THE WEEKDAY. (TMP-78)

16.5B:USING RSD 1101.02 (SHEET 1 AND 2 OF 14) AND POLICE AS NEEDED, FINISH INSTALLATION OF 60 INCH PIPE ACROSS -Y22- WITH A TRENCHBOX AND CONNECT TO PROPOSED JUNCTION BOX WITH MANHOLE.

16.6:(PHASE IB) COMPLETE STEP 16.5. USING RSD 1101.02 (SHEET 1 AND 2 OF 14) AND POLICE AS NEEDED, WEDGE AND WIDEN -L- (RT) FROM STA 418+65+/- TO STA 426+71+/- AND -Y22- FROM -L- TO -Y22- STA 42+50+/- . (TMP-77 AND 78)

PHASE II

(SEE TMP-79 THRU TMP-84 FOR OVERVIEWS)

NOTE: PHASE II STEPS 1 THRU 5 MAY BE DONE SIMULTANEOUSLY AND COMPLETED IN ANY ORDER (UNLESS STATED OTHERWISE)

STEP 1: COMPLETE PHASE I STEP 13. AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING:

- -L- EB FROM STA 78+92+/- TO 144+00+/-, INCLUDING COMPLETION OF RCBC AT STA 83+50+/- . REMOVE SHORING AS NEEDED. (LN-2) (TMP-89 AND 90)
- -L- EB FROM STA 145+80+/- TO 209+14+/-, INCLUDING -Y2-. (TMP-90 AND 91)
- -L- EB AND WB FROM STA 211+73+/- TO 229+00+/-, INCLUDING -Y4-, 54" RCP AT STA 217+20+/-, AND RCBC AT 226+00+/- . REMOVE SHORING AS NEEDED. (LN-2) (TMP-91 AND 92)
- -L- EB FROM STA 243+00+/- TO 253+64+/- (TMP-93 AND 94)
- -L- EB FROM STA 262+79+/- TO 290+00+/- (TMP-95 AND 96)
- -L- EB FROM STA 307+10+/- TO 308+52+/- (TMP-97 AND 98)
- -L- EB FROM STA 309+42+/- TO 312+90+/- (TMP-98)
- -L- EB FROM STA 316+00+/- TO 317+95+/-, INCLUDING COMPLETION OF RCBC AT 315+60+/- . REMOVE SHORING AS NEEDED. (LN-2) (TMP-98)

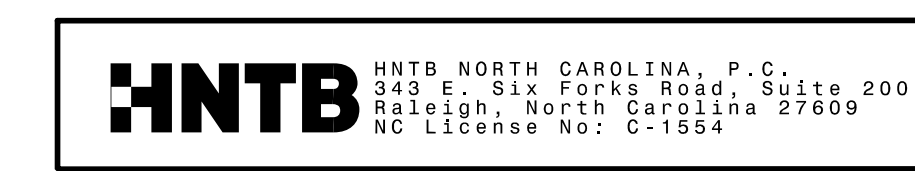
COMPLETE PHASE I STEP 13. USING RSD 1101.02 (SHEET 1, 2, AND 3 OF 14) AS NEEDED, CONSTRUCT THE FOLLOWING:

- -L- EB FROM STA 144+00+/- TO -Y1- AND FROM -Y1- TO -L- STA 145+80+/- (RT). (TMP-90)
- -L- EB FROM STA 208+00+/- TO -Y3- (RT) (TMP-91)
- -L- EB FROM -Y8- TO STA 296+41+/- (TMP-96 AND 97)
- -L- EB FROM STA 307+10+/- TO 309+42+/-, INCLUDING -Y10- (TMP-97 AND 98)
- -L- EB FROM STA 312+90+/- TO 316+00+/-, INCLUDING -Y11-, AND INSTALL WATERFILLED BARRIER. (TMP-98)

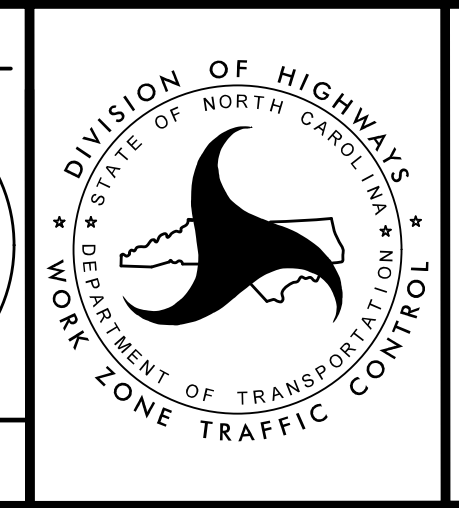
STEP 2: -YREV-: COMPLETE PHASE I STEP 13, THEN COMPLETE PHASE II STEPS 2.1 THRU 2.4 IN ORDER. STEP 2.5 MAY BE DONE SIMULTANEOUSLY AS STEPS 2.1 THRU 2.4.

- 2.1: USING RSD 1101.02 (SHEET 3 OF 14), REMOVE EXISTING ISLAND AND CONSTRUCT TEMPORARY PAVEMENT IN MEDIAN ON -YREV- FROM STA 33+86+/- TO STA 36+80+/- AND FROM -YREV- STA 44+23+/- TO STA 46+26+/- . REPLACE EXISTING PAVEMENT MARKINGS. (TMP-88 AND TMP-110)
- 2.2: USING RSD 1101.02 (SHEET 3 OF 14), WEDGE AND WIDEN -YREV- FROM STA 46+26+/- TO 52+25+/- . REPLACE EXISTING PAVEMENT MARKINGS. (TMP-110 AND 111)
- 2.3: USING RSD 1101.02 (SHEET 3 OF 14), CLOSE RIGHT TURN LANE ON MIDDLETON BLVD WITH TEMPORARY PAVEMENT MARKINGS FROM -YREV- STA 34+69+/- TO 41+34+/- AND TEMPORARY ANCHORED PCB FROM -YREV- STA 32+05+/- TO 36+72+/- . (TMP-88 AND TMP-110)
- 2.4: AWAY FROM TRAFFIC, CONSTRUCT -YREV- SOUTHERN BRIDGE BENT, TEMPORARY SHORING #52, AND APPROACH FROM -YREV- STA 32+82+/- TO 47+67+/-, INCLUDING -YAREV- FROM -YREV- TO -YAREV- STA 22+72+/- (TMP-88 AND 110). USING TMP-2E, DETOUR -L- TRAFFIC IF NEEDED TO HANG GIRDERS AT NIGHT ONLY (SEE GENERAL NOTE D FOR TIME RESTRICTIONS). COMPLETE BRIDGE AND TEMPORARY PAVEMENT MARKING FOR PHASE III AS MUCH AS POSSIBLE. (SEE TMP-154 AND TMP-155)
- 2.5: COMPLETE PHASE I STEP 13. USING RSD 1101.02 (SHEET 1 AND 2 OF 14) AS NEEDED, CONSTRUCT -YREV- FROM STA 16+58+/- TO STA 21+66+/- (LT). (TMP-108 AND 109)

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APPROVED: *Helen Shyu*
 DATE: 11/10/2021
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