

PROJ. REFERENCE NO.	SHEET NO.
R-5021	TMP-3

PHASING

NOTES:

REPLACE MARKINGS AND RETURN TRAFFIC TO THE CURRENT TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

COMPLETE ANY PROPOSED WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE. THIS MAY REQUIRE A COMBINATION OF INSTALLATION OF PROPOSED PIPES, TEMPORARY PIPES, STEEL PLATES, AND TEMPORARY DITCHES.

CONSTRUCT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, IN ALL PHASES UNTIL STATED TO INSTALL FINAL LAYER IN THE PHASING.

THE TERM RSD DENOTES "ROADWAY STANDARD DRAWINGS".

-L- EASTBOUND AND WESTBOUND IS BASED ON ROADWAY AND SURVEY FILES.

PHASE I, IA, AND IB (SEE TMP-4 THRU TMP-9 FOR OVERVIEWS)

NOTICE: CONTRACTOR SHOULD ADHERE TO A 548 DAY DELAY OF ENTRY FOR ANY WORK ACTIVITIES OCCURRING ALONG THE FOLLOWING ROADWAYS:

- L- (NC 211): FROM STA 47+50+/- TO STA 78+00+/- (RT) AND STA 227+00+/- TO STA 432+50;
- YAREV-, -RAB-, AND -YG-;
- Y5-, -Y5A-, -Y5B-, -Y6-, -Y7-, -Y8-, -Y9-, -Y9A-, -Y10-, -Y11-, -Y12-, -Y13-;
- Y14-, -Y14A-, -Y14B-, -Y14C-, -Y14D-, -Y14E-, -Y14F-, -Y14G-;
- Y15-, -Y16-, -Y17-, AND -Y17A-;
- Y18-, -Y19-, -Y20-, -Y21-, -Y22-, -Y22A-, -Y23-, AND -Y24-.

THIS 548 DAY DELAY OF ENTRY BEGINS WHEN THE WORK REQUIRED OF PHASE 1, STEP 2 BEGINS. EXCEPTIONS TO THIS RESTRICTION ARE UTILITY CONSTRUCTION (WATER AND SEWER) ITEMS NOT IN CONFLICT WITH EXISTING UTILITIES.

STEP 1: USING RSD 1101.01 (SHEET 2 AND 3), INSTALL WORK ZONE ADVANCE WARNING SIGNS ON -L-, -YREV-, -Y14A-, -Y14D-, -Y19REV-, AND -Y22-.

NOTE: STEPS 2 THRU 6 MAY BE DONE SIMULTANEOUSLY AND COMPLETED IN ANY ORDER.

STEP 2: AWAY FROM TRAFFIC, CONTRACTOR MAY BEGIN -YAREV- FROM STA 11+25+/- TO STA 21+28+/-, -RAB-, AND -YG-. (TMP-12 AND TMP-34)

STEP 3: -YREV- AND -YB-: COMPLETE STEPS 3.1, 3.1A, AND 3.2 IN ANY ORDER.

3.1: AWAY FROM TRAFFIC, CONTRACTOR MAY BEGIN -YB- FROM -YREV- TO -L- (LT), -YREV- FROM STA 21+66+/- TO STA 26+70+/-, -YC- FROM STA 11+33+/- TO -YREV-, AND -YD- FROM STA 12+39+/- TO -YREV-. (TMP-13 AND TMP-33) INSTALL PHASE II TEMPORARY PAVEMENT MARKINGS SHOWN ON TMP-89 AND 109 AS MUCH AS POSSIBLE.

3.1A: (PHASE IA) USING RSD 1101.02 (SHEET 1 AND 2 OF 14), WEDGE UP -YREV- AT -YC- AND PROVIDE TEMPORARY GRADE TO TIE BACK TO EXISTING MIDWAY ROAD AT -YREV- STA 20+50+/- AND 23+97+/- AND REPLACE PAVEMENT MARKINGS. (TMP-66)

3.2: USING RSD 1101.02 (SHEET 1 AND 2 OF 14) WEDGE AND WIDEN -YREV- STA 10+69+/- TO 16+58+/-, PROVIDE SMOOTH TRANSITION GRADE FROM -YREV- STA 16+38+/- TO 17+62+/- (TMP-32)

STEP 4: -YREV- (MIDWAY ROAD): USING RSD 1101.02 (SHEET 1, 2, 3, AND 7 OF 14) AND POLICE AS NEEDED, COMPLETE STEPS 4.1 THRU 4.10 IN ORDER AS STATED BEFORE BEGINNING CONSTRUCTION OF -YREV- BRIDGE OVER -L-:

4.1: REMOVE EXISTING MEDIAN ISLAND ON -L- FROM STA 69+83+/- TO STA 71+72+/-, REPAIR PAVEMENT, AND INSTALL YELLOW DOUBLE CENTER PAVEMENT MARKING. (TMP-12)

4.2: INSTALL TEMPORARY PIPE AT -L- STA 63+90+/- (RT). WIDEN TO THE SOUTH SIDE OF -L- AND PLACE TEMPORARY PAVEMENT FROM STA 60+20+/- TO -YREV- STA 32+36+/- (RT) AT EXISTING ELEVATION MATCHING SUPER-ELEVATION OF -L- EASTBOUND TO ALLOW WATER TO SHEET FLOW TO THE SOUTH. TIE IN TEMPORARY SLOPE TO TEMPORARY DITCHES IN EXISTING RIGHT OF WAY. (TMP-11 AND TMP-12)

4.3: REMOVE EXISTING MEDIAN ISLANDS AND EXISTING DRAINAGE ON -YREV- FROM STA 24+70+/- TO STA 30+76+/-, STA 32+12+/- TO STA 33+91+/-, REPAIR PAVEMENT, AND PLACE DOUBLE YELLOW PAVEMENT MARKING. (TMP-12 AND TMP-33)

4.4: INSTALL AND ACTIVATE TEMPORARY SIGNAL AT -L-/-YREV-. REMOVE EXISTING SIGNALS. (TMP-12)

PHASE I, IA, AND IB (CONTINUED)

4.5: WEDGE EXISTING -L- (EB) TO PROPOSED ELEVATION FROM STA 76+00+/- TO STA 83+05+/- AND CONSTRUCT -L- WB FROM STA 75+00+/- TO STA 83+05+/-, PROVIDE SMOOTH TRANSITION GRADE BACK TO EXISTING TRAVEL LANES ON -L- (EB) AND -YREV- AND CONSTRUCT ADJACENT TEMPORARY PAVEMENT FROM:
- L- STA 74+00+/- TO 76+00+/- (TMP-12)
- EXISTING -YREV- STA 28+20+/- TO -L- WB (TMP-12)
- EXISTING -YREV- FROM -L- (EB) TO -YREV- STA 33+01+/- (TMP-12)
- L- STA 82+61+/- TO STA 83+04+/- (TMP-13) (TEMP PAVEMENT)
- L- STA 83+05+/- TO STA 85+00+/- (TMP-13)
- YREV- STA 29+80+/- TO STA 30+54+/- (RT) (TEMP PAVEMENT) (TMP-12)
- YREV- STA 29+57+/- TO STA 30+68+/- (TEMP PAVEMENT) (TMP-12)

4.6: PLACE LEVELING COURSE ON -YREV- NB FROM STA 26+63+/- TO STA 28+20+/-, MATCHING SUPERELEVATION OF -YREV- SB TO ALLOW WATER TO FLOW TO THE WEST. (TMP-12 AND TMP-33)

PLACE LEVELING COURSE ON EXISTING -L- WB FROM STA 55+00+/- TO STA 74+00+/- AND STA 85+00+/- TO STA 93+00+/-, MATCHING SUPERELEVATION OF -L- EB TO ALLOW WATER TO FLOW TO THE SOUTH. (TMP-11 THRU 13)

4.7: INSTALL ANCHORED PCB WITH CRASH CUSHIONS FROM -L- STA 61+95+/- TO 65+75+/- (RT). (TMP-44) PLACE TEMPORARY PAVEMENT MARKINGS ON -L- FROM STA 60+20+/- TO 98+44+/- AND -YREV- FROM STA 28+30+/- TO 34+69+/- AS SHOWN ON TMP-44 THRU 47. SHIFT TEMPORARY SIGNAL HEADS AND SHIFT TRAFFIC TO TEMPORARY PATTERN.

4.7A: (PHASE IA) COMPLETE PHASE I STEP 4.7. USING RSD 1101.02 (SHEET 1 AND 2 OF 14), PLACE DRUMS AND BARRICADES ON -YF- AS SHOWN ON TMP-45 TO RESTRICT VEHICLES FROM DRIVEWAY ACCESSING NC-211. INSTALL ANCHORED PCB WITH CRASH CUSHION FROM -L- STA 66+95+/- TO STA 70+77+/- AND SHOP CURVED TEMPORARY GUARDRAIL. AWAY FROM TRAFFIC, INSTALL SHORING #4, CONSTRUCT -L- WBL FROM -L- STA 66+75+/- TO STA 70+00+/-, TEMPORARY PAVEMENT FROM -L- STA 66+75+/- TO STA 68+50+/- (LT), AND -L- STA 66+75+/- TO STA 69+18+/- (TMP-44 AND 45) INSTALL PHASE II TEMPORARY PAVEMENT MARKINGS AS MUCH AS POSSIBLE. (SEE TMP-87 AND 88)

4.8: COMPLETE PHASE I STEP 4.7. USING RSD 1101.02 (SHEET 1 AND 2 OF 14), INSTALL THE FOLLOWING ANCHORED PCB WITH CRASH CUSHIONS:
- L- STA 62+50+/- TO STA 65+00+/- (LT) AND SHOP CURVED TEMPORARY GUARDRAIL (TMP-44)
- YREV- STA 26+63+/- TO STA 30+50+/- (TMP-12 AND TMP-33)
- L- STA 82+63+/- TO STA 85+26+/- (TMP-46)

4.8A: (PHASE IA) COMPLETE PHASE I STEP 4.8. AWAY FROM TRAFFIC, INSTALL SHORING #2 AND PARTIALLY REMOVE EXISTING CULVERT. INSTALL SHORING #3 AND CONSTRUCT PROPOSED CULVERT (LEFT). CONSTRUCT -L- WBL FROM -L- STA 55+50+/- TO STA 65+18+/-, TEMPORARY PAVEMENT FROM -L- STA 61+10+/- TO STA 65+18+/- (LT), AND SHORING #1. (TMP-43 AND TMP-44) INSTALL PHASE II TEMPORARY PAVEMENT MARKINGS AS MUCH AS POSSIBLE. (SEE TMP-86 AND 87)

(PHASE IA) COMPLETE PHASE I STEP 4.8 AND AWAY FROM TRAFFIC, INSTALL SHORING #6. PARTIALLY REMOVE EXISTING RCBC AND CONSTRUCT PROPOSED CULVERT (LEFT). CONSTRUCT -L- WBL FROM STA 83+04+/- TO 85+00+/-, INCLUDING SHORING #5 AND #7, AND TEMPORARY PAVEMENT FROM -L- STA 83+12+/- TO STA 85+00+/- (LT). INSTALL PHASE II TEMPORARY PAVEMENT MARKINGS AS MUCH AS POSSIBLE. AWAY FROM TRAFFIC, INSTALL SHOP CURVED GUARDRAIL #AA, TEMPORARY GUARDRAIL ANCHOR UNIT, TEMPORARY PCB FROM -L- STA 83+56+/- TO 87+00+/-, AND SHOP CURVED GUARDRAIL #AB. (TMP-46, 47, AND 89)

4.9: COMPLETE PHASE I STEP 4.8. AWAY FROM TRAFFIC, INSTALL SHORING #51 AND BEGIN -YREV- STA 26+70+/- TO -YREV- STA 30+70+/-, INCLUDING NORTH SIDE BENT OF -YREV- BRIDGE OVER -L-. (TMP-12 AND TMP-33)

4.10: (PHASE IA) USING RSD 1101.02 (SHEET 1 OF 14), WEDGE AND WIDEN -L- FROM STA 47+50+/- TO STA 54+36+/- AND -L- WB TO STA 55+50+/-, PROVIDE SMOOTH TRANSITION GRADE TO EXISTING FROM -L- STA 54+36+/- TO STA 55+50+/-, REPLACE EXISTING PAVEMENT MARKINGS. AWAY FROM TRAFFIC, INSTALL TEMPORARY PAVEMENT AND TEMPORARY DITCH FROM -L- STA 52+60+/- TO STA 55+50+/- (LT). (TMP-43)

4.11: INSTALL AND COVER PROPOSED SIGN 104 "NC 906 OAK ISLAND BOLIVIA TURN RIGHT" SIGN ON TEMPORARY WOODEN POSTS. ALSO INSTALL RELATED PROPOSED SIGN 105 AT STA 108+40+/- (TMP-89)

STEP 5: -L- AT -Y1-, -Y1C-, -Y2-, -Y2A-, AND -Y3- (ST JAMES DR): CONSTRUCT STEPS 5.1 THRU 5.6A IN ORDER AS STATED.

5.1: USING RSD 1101.02 (SHEET 1, 2, 11 OF 14), PLACE LEVELING COURSE ON -L- WB FROM STA 93+00+/- TO STA 208+00+/- (TMP-13 THRU 16), INSTALL TEMPORARY PAVEMENT FROM -L- STA 147+64+/- TO -L- STA 153+24+/- (TMP-14), REPLACE PAVEMENT MARKINGS, AND INSTALL TEMPORARY ANCHORED PCB FROM -L- STA 147+89+/- TO STA 152+98+/- (TMP-48)

PHASE I, IA, AND IB (CONTINUED)

5.1A: (PHASE IA) COMPLETE PHASE I STEP 5.1 AND CONSTRUCT -L- WBL FROM STA 85+00+/- TO 98+44+/-, INCLUDING SHORING #8, AND TEMPORARY PAVEMENT FROM -L- STA 85+00+/- TO STA 87+94+/- (LT), AND -L- STA 85+49+/- TO 93+97+/- (TMP-46 AND 47) INSTALL PHASE II TEMPORARY PAVEMENT MARKINGS AS MUCH AS POSSIBLE. (SEE TMP-89)

USING RSD 1101.02 (SHEET 1 OF 14), WEDGE AND WIDEN -Y1- FROM -L- STA 144+00+/- TO STA 145+80+/- AND PROVIDE SMOOTH TRANSITION GRADE. (TMP-48) AWAY FROM TRAFFIC, INSTALL SHORING #9, AND CONSTRUCT -L- WBL FROM -L- STA 98+44+/- TO STA 204+57+/-, INCLUDING -Y1A- AND -Y1C-. (TMP-47 THRU 49) INSTALL PHASE II TEMPORARY PAVEMENT MARKINGS AS MUCH AS POSSIBLE. (TMP-89 THRU 91)

5.2: COMPLETE STEP 5.1. USING FLAGGER AS NEEDED, CONSTRUCT -Y2A-, -L- WB FROM STA 204+57+/- TO 205+58+/-, AND TEMPORARY PAVEMENT CONNECTOR FROM -L- STA 204+67+/- TO 205+47+/- (TMP-15)

5.3: COMPLETE STEP 5.2. INSTALL TEMPORARY DETOUR SIGNING AND DEVICES AS SHOWN ON TMP-2B AND COVER. OPEN -Y2A- TO TRAFFIC.

COMPLETE THE REQUIREMENTS OF PHASE I, STEP 5.4 IN ANY ONE (1) WEEKEND, FROM FRIDAY 7:00 PM TO THE FOLLOWING MONDAY 6:00 AM. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

5.4: UNCOVER DETOUR SIGNS PLACED IN STEP 5.3 AND CLOSE -Y3- TO TRAFFIC. INSTALL CROSS PIPE ON -Y3- AT STA 12+50+/- AND BEGIN CONSTRUCTION OF -Y3- FROM STA 10+00+/- TO -L-. OPEN -Y3- TO TRAFFIC.

5.5: USING RSD 1101.02 (SHEET 2 OF 14) CONTINUE CONSTRUCTING -Y3- FROM STA 10+00+/- TO -L-. (TMP-16)

5.6: COMPLETE STEP 5.4. INSTALL AND ACTIVATE TEMPORARY SIGNAL AT INTERSECTION OF -L- AND -Y3-. REMOVE EXISTING SIGNAL. WEDGE -L- FROM STA 208+00+/- TO STA 214+00+/-, -Y3- FROM -L- TO 17+15+/-, PROVIDE SMOOTH TRANSITION GRADE FROM -L- STA 214+00+/- TO 216+00+/- (TMP-16) REPLACE EXISTING PAVEMENT MARKINGS. (SEE TMP-49)

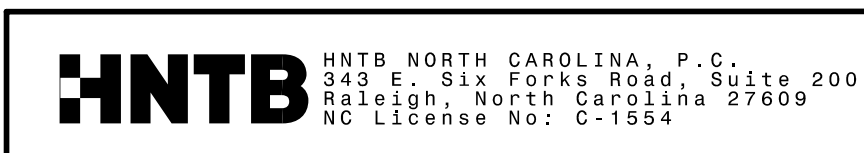
5.6A: (PHASE IA) COMPLETE PHASE I STEP 5.6. USING RSD 1101.02 (SHEET 1 OF 14) AND POLICE AS NEEDED, CONSTRUCT -L- WB FROM STA 205+58+/- TO -Y3-, TEMPORARY PAVEMENT FROM -L- STA 205+08+/- TO STA 209+14+/-, AND -L- WB FROM -Y3- TO -L- STA 214+00+/- (TMP-49) AWAY FROM TRAFFIC, INSTALL PHASE II TEMPORARY PAVEMENT MARKINGS AS MUCH AS POSSIBLE. (SEE TMP-91)

STEP 6: 54" RCP AT -L- STA 217+35+/-: COMPLETE STEPS 6.1 AND 6.1A IN ORDER.

6.1: USING RSD 1101.02 (SHEET 1, 2, 11 OF 14), PLACE LEVELING COURSE ON -L- WB FROM STA 216+00+/- TO STA 225+00+/- AND REPLACE PAVEMENT MARKINGS. ADJUST EXISTING GUARDRAIL AS NEEDED. (TMP-16 AND TMP-17)

6.1A: (PHASE IA) COMPLETE PHASE I STEP 6.1. USING RSD 1101.02 (SHEET 1 AND 2 OF 14), EXTEND EXISTING GUARDRAIL FROM -L- STA 217+35+/- TO STA 220+12+/-, AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING:
- INSTALL SHORING #11 AND 54" RCP (LEFT SIDE) (TMP-49)
- CONSTRUCT DOUBLE 9' X 8' RCBC AT STA 226+00+/- (LEFT SIDE) (TMP-50)
- CONSTRUCT -L- WBL FROM STA 214+00+/- TO 227+00+/-, INCLUDING SHORING #12 AND #13. (TMP-49 AND TMP-50). INSTALL TEMPORARY ANCHORED PCB FROM -L- STA 213+76+/- TO 218+50+/- (TMP-91)
- INSTALL TEMPORARY GUARDRAIL AND TEMPORARY GREU FROM -L- STA 225+17+/- TO -L- 226+94+/- ON RIGHT SIDE OF -L- WB. (TMP-50)
- INSTALL PHASE II TEMPORARY PAVEMENT MARKINGS AS MUCH AS POSSIBLE. (SEE TMP-91 AND 92)

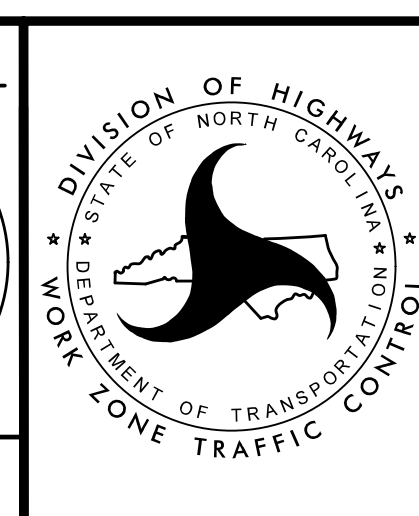
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APPROVED: *Helen Shyu*
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SEAL

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TRANSPORTATION MANAGEMENT PLAN

PHASING