


PHASING

PROJ. REFERENCE NO.	SHEET NO.
R-3825B	TMP-3
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NOTES:

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, INSTALL ADVANCE WARNING SIGNS ON ALL ROADS, ACCORDING TO RSD 1101.01. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

MAINTAIN ACCESS TO ALL RESIDENCES, SCHOOLS, BUS STOPS, EMERGENCY SERVICES, AND BUSINESSES AT ALL TIMES. PRIOR TO INCORPORATION, OBTAIN WRITTEN APPROVAL FROM THE ENGINEER ON METHOD TO MAINTAIN ACCESS.

COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT NO PONDING OF WATER WILL OCCUR WITHIN THE TRAVEL LANE.

MAINTAIN EXISTING DRAINAGE DITCHES AS LONG AS POSSIBLE AND FIELD ADJUST TO TIE TO PROPOSED DRAINAGE TO EXISTING PIPES OR DITCHES.

IN AREAS WHERE DRAINAGE BOXES WILL BE LOCATED WITHIN TEMPORARY TRAFFIC LANES, LEAVE BOXES LOW, COVER WITH STEEL PLATE AND PAVE OVER BOX FOR TEMPORARY TRAFFIC PATTERNS. UNCOVER BOX, ADJUST HEIGHT AND PLACE GRATE LATER WHEN SHIFTING TO THE FINAL TRAFFIC PATTERN. (SEE DRAINAGE PLANS & DRAINAGE SUMMARY IN THE ROADWAY PLANS AND STEEL PLATE DETAIL IN THE TMP.)

WHEN WEDGING OVER THE EXISTING PAVEMENT, WEDGE TO PROPOSED ELEVATION (LESS THE FINAL LAYER OF SURFACE COURSE), OR WEDGE AS NEEDED TO MAINTAIN TRAFFIC. MAINTAIN POSITIVE DRAINAGE AND MAINTAIN A MAXIMUM .04 ROLLOVER IN BOTH EXISTING AND/OR TEMPORARY TRAVEL LANES.

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.

WHEN USING LANE CLOSURES (RSD 1101.02), RETURN TRAFFIC TO EXISTING AND/OR CURRENT TEMPORARY TRAFFIC PATTERN UPON ACTIVITIES COMPLETION, UNLESS OTHERWISE NOTED IN THE PHASING.

WHEN PHASING STATES TO USE LANE CLOSURES, REFER TO THE FOLLOWING FOR ALL EXISTING AND PROPOSED ROADS:

- ALL TWO-LANE/TWO-WAY FACILITIES - SEE RSD 1101.02, SHEET 1 OF 14
- ALL 3-LANE OR 5-LANE ROADWAYS - SEE RSD 1101.02, SHEET 2 OF 14
- ALL MULTI-LANE FACILITIES POSTED < 60 MPH - SEE RSD 1101.02, SHEET 3 OF 14

FOR ALL SHOULDER CLOSURES, SEE RSD 1101.04. WHEN PORTABLE CONCRETE BARRIER (PCB) IS PRESENT ON SHOULDERS, PLACE SHOULDER CLOSURE SIGNS IN ADVANCE OF PCB.

WHEN INSTALLING AND ACTIVATING TEMPORARY AND FINAL SIGNALS, USE LANE CLOSURES AS STATED ABOVE AND LAW ENFORCEMENT.

COMPLETE PAVING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE UNTIL STATED TO PLACE FINAL LAYER IN THE PHASING.

PHASE 1 (SEE SHEETS TMP-4 THRU TMP-44)

COMPLETE THE WORK REQUIRED IN PHASE 1, STEPS 1-4 FROM PROJECT BEGIN TO -L- STA. 35+50 +/- (LT & RT) IN EIGHTEEN (18) MONTHS AND OPEN TO THE PHASE 2 TRAFFIC PATTERN. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 1:
AWAY FROM TRAFFIC AND USING LANE CLOSURES, CONSTRUCT THE FOLLOWING:

- LT SIDE OF NC 42 FROM PROJECT BEGIN (-L- STA. 16+00 +/-) TO -L- STA. 35+50 +/-, INCLUDING 54" TRENCHLESS PIPE INSTALLATION AT -L- STA. 27+50 +/- AND -DRW1-. (WEDGE EXISTING AS NEEDED FROM -L- STA. 16+00 +/- TO STA. 22+49 +/- TO MAINTAIN TRAVEL LANES)
- OMIT C&G FROM -L- STA. 31+70 +/- TO STA. 35+50 +/- AND CONSTRUCT 4' OF TEMPORARY PAVEMENT.
- TEMPORARY ALIGNMENT -LDET- WITH TEMPORARY GUARDRAIL ON LT SIDE (WEDGE EXISTING AS NEEDED FROM -L- STA. 35+50 +/- TO STA. 43+15 +/- TO MAINTAIN TRAVEL LANES)
- TEMPORARY ALIGNMENT -Y4DET- ALONG -Y4- (FOX RIDGE ROAD), WEDGING EXISTING AS NEEDED TO MAINTAIN TRAVEL LANES
- TEMPORARY ALIGNMENT -Y5DET- ALONG -Y5- (WOODBERRY DRIVE), WEDGING EXISTING AS NEEDED TO MAINTAIN TRAVEL LANES
- LT SIDE OF NC 42 FROM -L- STA. 138+50 +/- TO STA. 153+22 +/- AND NECESSARY WEDGING
- BOTH SIDES OF NC 42 FROM -L- STA. 186+00 +/- TO STA. 199+00 +/- INCLUDING -DRW8- AND -DRW9- AND WEDGING AS NEEDED
- -Y11C- (PORTOFINO DRIVE)
- -Y12- (MOTORCYCLE ROAD) INCLUDING -DRW23-
- LT SIDE OF NC 42 FROM -L- STA. 216+50 +/- TO STA. 222+39 +/-
- * INSTALL TEMPORARY SIGNAL #04-1432T1 AT THE -Y12A- (FLOWERS PKWY)/ -DRW27-/-L- (NC 42) INTERSECTION PRIOR TO OPENING OF SHOPPING CENTER ACROSS FROM FLOWERS PKWY

AWAY FROM TRAFFIC AND USING LANE CLOSURES, BEGIN CONSTRUCTION OF THE FOLLOWING:

- RT SIDE OF NC 42 FROM PROJECT BEGIN (-L- STA. 12+77 +/-) TO -L- STA. 21+96 +/- (WEDGE EXISTING, AS NEEDED, FROM -L- STA. 12+77 +/- TO STA. 22+49 +/-)
- RT SIDE OF NC 42 FROM -L- STA. 40+00 +/- TO STA. 49+75 +/-
- RT SIDE OF NC 42 FROM -L- STA. 52+20 +/- TO STA. 81+00 +/-, INCLUDING RIGHT SIDE OF BRIDGE OVER THE NEUSE RIVER, -DRW3-, AND TEMPORARY PAVEMENT AT GRASS ISLAND LOCATION AROUND -L- STA. 73+60 +/- AND WEDGING OVER EXISTING
- * INSTALL TEMPORARY SHORING #1 & #2 PRIOR TO EXCAVATION FOR THE END BENT CAPS
- * INSTALL TEMPORARY SHORING #3 & #4 WHEN CONSTRUCTING ROADWAY APPROACHES AT BRIDGE
- LT SIDE OF NC 42 FROM -L- STA. 67+42 +/- TO STA. 75+70 +/-
- -Y6- (CASTLEBERRY ROAD), INCLUDING -DRW18- AND TEMPORARY PAVEMENT ALONG -Y6- AT -L-
- WEST SIDE OF -Y8- (BENNETT PLACE)
- RT SIDE OF NC 42 FROM -L- STA. 163+30 +/- TO STA. 170+17 +/-, INCLUDING RT SIDE OF CULVERT AT STA. 167+00 +/-
- * PLACE PCB ON TEMPORARY PAVEMENT FROM -L- STA. 162+49 +/- TO STA. 168+44 +/- PRIOR TO BEGINNING WORK IN THIS AREA
- * OMIT MEDIAN C&G AND REPLACE WITH 4' OF TEMPORARY PAVEMENT IN ORDER TO PLACE PCB ON PAVEMENT IN PHASE 2
- * TEMPORARY SHORING #6 WILL BE INSTALLED ALONG LEFT SIDE OF PROPOSED CONSTRUCTION
- BOTH SIDES OF NC 42 FROM -L- STA. 215+00 +/- RT AND -L- STA. 222+39 +/- LT TO PROJECT END (-L- STA. 257+50 +/-) INCLUDING -DRW13- AND -DRW14-
- * INSTALL TEMPORARY SIGNAL #04-1432T1 AT THE -Y12A- (FLOWERS PKWY)/ -DRW27-/-L- (NC 42) INTERSECTION PRIOR TO OPENING OF SHOPPING CENTER ACROSS FROM FLOWERS PKWY
- * TEMPORARY SIGNAL #04-0874T1 WILL BE REQUIRED AT -Y13- (BUFFALO RD) TO COMPLETE WIDENING
- -Y13- (BUFFALO ROAD) INCLUDING -DRW21- AND -DRW22-

AWAY FROM TRAFFIC AND USING LANE CLOSURES, CONSTRUCT TEMPORARY PAVEMENT ON THE LT SIDE OF NC 42 IN THE FOLLOWING LOCATIONS:

- -L- STA. 75+70 +/- TO -L- STA. 92+54 +/-
- -L- STA. 94+92 +/- TO -L- STA. 138+50 +/-, INCLUDING THE FOLLOWING:
 - 66" TRENCHLESS PIPE INSTALLATION AT -L- STA. 107+00 +/-
 - 84" BORE & JACK STEEL PIPE INSTALLATION AT -L- STA. 114+15 +/- ALONG WITH TEMPORARY PIPE EXTENSION AND TEMPORARY SHORING #5
 - 72" TRENCHLESS PIPE INSTALLATION AT -L- STA. 136+00 +/-
 - * TEMPORARY SIGNAL #04-1412T1 WILL BE REQUIRED AT THE -Y9- (NEUSE RIVER PARKWAY) INTERSECTION
- -L- STA. 154+55 +/- TO STA. 162+30 +/- INCLUDING 54" TRENCHLESS PIPE INSTALLATION AT -L- STA. 155+50 +/- AND OTHER PROPOSED DRAINAGE FEATURES
- -L- STA. 172+20 +/- TO STA. 186+00 +/-
- -L- STA. 199+00 +/- TO STA. 216+50 +/-

THE WORK REQUIRED IN PHASE 1, STEPS 1A, 1B AND 1C MAY BE CONDUCTED IN ANY ORDER AND MAY ALSO BE CONDUCTED CONCURRENTLY. THE WORK ALSO MAY BE CONDUCTED ALONG WITH OTHER WORK IN PHASE 1, STEP 1.

COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 1A IN TWENTY-ONE (21) CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 1A:
COMPLETE THE FOLLOWING: (SEE SHEET TMP-24)

1. USING RSD 1101.3, SHEET 2 OF 9, CLOSE -Y9- (NEUSE RIVER PARKWAY) AND PLACE TRAFFIC IN THE OFF-SITE DETOUR.
2. AWAY FROM TRAFFIC, CONSTRUCT -Y9- (NEUSE RIVER PARKWAY) AND -L- FROM STA. 92+54 +/- TO STA. 94+92 +/-
3. PLACE TEMPORARY MARKING AND MARKERS AND REOPEN TO TRAFFIC
 - * TEMPORARY SIGNAL #04-1412T1 WILL REMAIN IN PLACE

COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 1B IN SEVEN (7) CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 1B:
COMPLETE THE FOLLOWING: (SEE SHEET TMP-25)

1. USING RSD 1101.03, SHEETS 1 & 2 OF 9, CLOSE -Y12A- (FLOWERS PARKWAY) AND PLACE TRAFFIC IN THE OFF-SITE DETOUR.
 - * TEMPORARY SIGNAL #04-1432T2 WILL BE REQUIRED AT THE -Y12A- (FLOWERS PKWY)/-DRW27-/-L- (NC 42) INTERSECTION FOR CLOSURE OF FOURTH LEG OF INTERSECTION
2. AWAY FROM TRAFFIC, CONSTRUCT -Y12A- (FLOWERS PARKWAY)
3. PLACE TEMPORARY MARKING AND MARKERS AND REOPEN TO TRAFFIC
 - * SIGNAL AT THIS INTERSECTION WILL REVERT BACK TO TEMPORARY SIGNAL #04-1432T1 WHEN REOPENING -Y12A- (FLOWERS PKWY)

COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 1C IN SEVEN (7) CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 1C:
COMPLETE THE FOLLOWING: (SEE SHEET TMP-26)

1. USING RSD 1101.3, SHEETS 1 & 2 OF 9, CLOSE -Y12B- (PINEVILLE BLVD) AND PLACE TRAFFIC IN THE OFF-SITE DETOUR
2. CONSTRUCT -Y12B- (PINEVILLE BLVD)
3. PLACE TEMPORARY MARKING AND MARKERS AND REOPEN TO TRAFFIC

STEP 2:
USING LANE CLOSURES, PLACE TEMPORARY MARKING AND SIMULTANEOUSLY COMPLETE THE FOLLOWING:

- SHIFT TRAFFIC TO TEMPORARY PATTERN ON LT SIDE OF NC 42 FROM PROJECT BEGIN TO -L- STA. 35+50 +/- AND -LDET- TO EXISTING THAT WAS CONSTRUCTED IN STEP 1
- SHIFT -Y4- TRAFFIC TO THE -Y4DET- TEMPORARY ALIGNMENT ALONG -Y4- (FOX RIDGE ROAD) THAT WAS CONSTRUCTED IN STEP 1

ONCE TRAFFIC IS SHIFTED, BEGIN CONSTRUCTION OF THE FOLLOWING USING LANE CLOSURES:

- RT SIDE OF NC 42 FROM -L- STA. 21+96 +/- TO STA. 37+00 +/-
- -Y4- (FOX RIDGE ROAD), INCLUDING -DRW16-
- RT SIDE OF NC 42 FROM -L- STA. 38+74 +/- TO STA. 40+00 +/-
- TEMPORARY PAVEMENT IN MEDIAN FROM -L- STA. 32+70 +/- TO STA. 35+50 +/-

USING LANE CLOSURES, PLACE TEMPORARY MARKING AND SHIFT TRAFFIC TO THE TEMPORARY PATTERN FROM -L- STA. 74+05 +/- TO -L- STA. 163+74 +/-, ON TEMPORARY AND PROPOSED PAVEMENT CONSTRUCTED IN STEP 1.

- * TEMPORARY SIGNAL #04-1412T2 WILL BE REQUIRED AT -Y9- (NEUSE RIVER PARKWAY) WHEN SHIFTING TO THE TEMPORARY PATTERN
- * PLACE PCB ALONG LEFT SIDE OF -L- FROM STA. 113+40 +/- TO STA. 117+00 +/- PRIOR TO SHIFTING TRAFFIC

ONCE TRAFFIC IS SHIFTED, BEGIN CONSTRUCTION OF RT SIDE OF NC 42 FROM -L- STA. 81+48 +/- TO -L- STA. 163+30 +/-, INCLUDING THE FOLLOWING:

- -DRW4-, -DRW6-, -DRW7-, AND -DR1- (ALECIA COURT)
- EAST SIDE OF -Y8- (BENNETT PLACE), INCLUDING PORTION OF MEDIAN ISLAND
- -Y10- (QUEEN ANN DRIVE), INCLUDING MEDIAN ISLAND
- OMIT MEDIAN C&G FROM -L- STA. 96+50 +/- TO STA. 114+65 +/- AND REPLACE WITH TEMPORARY PAVEMENT IN ORDER TO PLACE PCB ON PAVEMENT IN PHASE 2
- REMAINDER OF 84" STEEL PIPE INSTALLATION AT -L- STA. 114+15 +/-
- -Y11- (NEUSE COLONY DRIVE), INCLUDING MEDIAN ISLAND AND TEMPORARY TIE TO EXISTING NC 42

USING LANE CLOSURES, PLACE TEMPORARY MARKING AND SIMULTANEOUSLY COMPLETE THE FOLLOWING:

- SHIFT TRAFFIC TO THE TEMPORARY PATTERN FROM -L- STA. 170+45 +/- TO -L- STA. 219+60 +/- ON TEMPORARY AND PROPOSED PAVEMENT CONSTRUCTED IN STEP 1 (NOTE: TEMPORARY SIGNAL #04-1432T1 WILL REMAIN IN PLACE)
- OPEN -Y11C- (PORTOFINO DRIVE) AND -Y12- (MOTORCYCLE ROAD) TO TRAFFIC
- CLOSE -Y11A- (TUSCAN RIDGE ROAD) AND DIRECT TRAFFIC THROUGH VERONA DR TO NC 42 AS SHOWN ON SHEET TMP-37
 - * IN ORDER TO MINIMIZE THE DURATION THAT -Y11A- TRAFFIC WILL BE DETOURED THROUGH VERONA DRIVE, -Y11A- SHALL NOT BE CLOSED IMMEDIATELY UPON SHIFTING TRAFFIC TO THE PHASE 1, STEP 2 PATTERN, UNLESS READY TO PROCEED WITH WORK IN THIS AREA.
- PERMANENTLY CLOSE EXISTING -Y12- (MOTORCYCLE ROAD), CONSTRUCT TURNAROUND AND INSTALL "END OF ROAD" OBJECT MARKERS"
 - * WILL REQUIRE TEMPORARY SIGNAL #04-1423T1 AT THE -Y11C-/-Y12- (PORTOFINO DRIVE/MOTORCYCLE ROAD) INTERSECTION

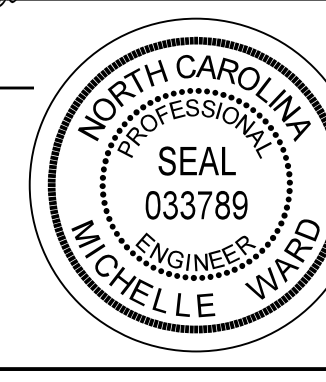
ONCE TRAFFIC IS SHIFTED, BEGIN CONSTRUCTION OF THE FOLLOWING AWAY FROM TRAFFIC AND USING LANE CLOSURES:

- RT SIDE OF NC 42 FROM -L- STA. 167+75 +/- TO -L- STA. 178+00 +/-, INCLUDING TEMPORARY PAVEMENT FROM -L- STA. 167+75 +/- TO 171+16 +/-
- -Y11A- (TUSCAN RIDGE DRIVE), INCLUDING PORTION OF MEDIAN ISLAND AND TEMPORARY PAVEMENT
- -LDET2-
- RT SIDE OF NC 42 FROM -L- STA. 199+00 +/- TO -L- STA. 214+60 +/-, INCLUDING -DRW10- AND -DRW12-


APPROVED: *Michelle Ward*

DATE: 4/1/2020

SEAL



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

PHASING

PLOT DRIVER: NCDOT_pdf_color_eng_50.ppt
 USER: CHARNDEN
 FILE: C:\Users\charnden\Desktop\Working Folder\AR-3825B\AR3825B_1C_TMP-03.dgn
 DATE: 4/1/2020
 TIME: 1:30:54 PM
 REVISIONS
 04/01/2020: REVISED PHASE 1, STEPS 1, 1B, 2 AND 4 AND PHASE 2, STEP 3 TO INCLUDE TEMP. SIGNALS AT THE -Y12A- (FLOWERS PKWY)/-DRW27-/-L- (NC 42) INTERSECTION FOR OPENING OF -DRW27-.