

PROJ. REFERENCE NO.	SHEET NO.
B-4654	TMP-03A

### PHASE III

**STEP 1)** WORKING AWAY FROM TRAFFIC OR WITH RSD 1101.02 (SHEET 1 OF 19) AND FLAGGERS FOR TEMPORARY LANE CLOSURES, CONSTRUCT NC 50 (-L-) UP TO THE EDGE AND ELEVATION OF PHASE I PAVEMENT, AND CONSTRUCT STAGE 2 OF BRIDGE OVER US 70 AND RETAINING WALLS ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-12, TMP-12A, AND TMP-13):

- L- STA. 14+30 +/- TO STA. 18+20 +/- (WEDGE & WIDEN RIGHT)
- L- STA. 20+60 +/- TO STA. 34+94 +/- (RIGHT)
- L- STA. 28+55 +/- TO STA. 35+39 +/- (LEFT)
- DR1- STA. 10+35 +/- TO STA. 10+95 +/-

USE RSD 1101.02 (SHEET 3 OF 19) FOR TEMPORARY LANE CLOSURE ON US 70 (-Y1-) FOR STAGE 2 BRIDGE AND WALL CONSTRUCTION THAT DOES NOT REQUIRE ROAD CLOSURES. USE DETOUR ON TMP-06 FOR CONSTRUCTION REQUIRING OFF-SITE DETOURS ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-12):

- Y1- STA. 27+36 +/- TO STA. 27+76 +/- (MEDIAN)
- Y1- STA. 27+86 +/- TO STA. 28+58 +/- (EBL)
- Y1- STA. 26+95 +/- TO STA. 31+00 +/- (WBL)

#### **NC 50 GIRDER INSTALLATION AND EXISTING GIRDER/DECK REMOVAL OVER EASTBOUND US 70**

WORKING ON CONSECUTIVE NIGHTS, INSTALL GIRDERS ON NEW BRIDGE AND REMOVE GIRDERS ON OLD BRIDGE OVER EASTBOUND US 70 (-Y1-) AS FOLLOWS:

UNCOVER BRIDGE DETOUR SIGNS FOR EASTBOUND US 70 AND USING POLICE, SHIFT TRAFFIC TO THE OFF-SITE DETOUR, AND PLACE BARRICADES TO CLOSE EASTBOUND US 70 AT US 50 INTERCHANGE.

REMOVE DECK AND ALL NC 50 (-L-) GIRDERS FROM EXISTING BRIDGE AND SET ALL PROPOSED BRIDGE GIRDERS OVER THE EASTBOUND LANES OF US 70 (Y1).

AT THE END OF EACH NIGHT, OPEN EASTBOUND LANES OF US 70 TO TRAFFIC, REMOVE BARRICADES, AND COVER EASTBOUND OFF-SITE DETOUR SIGNS.

#### **NC 50 GIRDER INSTALLATION AND EXISTING GIRDER/DECK REMOVAL OVER WESTBOUND US 70**

WORKING ON CONSECUTIVE NIGHTS, INSTALL GIRDERS OVER WESTBOUND US 70 (-Y1-) AS FOLLOWS:

UNCOVER BRIDGE DETOUR SIGNS FOR WESTBOUND US 70 AND USING POLICE, SHIFT TRAFFIC TO THE OFF-SITE DETOUR, AND PLACE BARRICADES TO CLOSE WESTBOUND US 70 AT NEW RAND ROAD, CARROLL DRIVE AND MONTAGUE STREET.

REMOVE DECK AND ALL NC 50 (-L-) GIRDERS FROM EXISTING BRIDGE AND SET ALL PROPOSED BRIDGE GIRDERS OVER THE WESTBOUND LANES OF US 70 (-Y1-).

AT THE END OF EACH NIGHT, OPEN WESTBOUND LANES OF US 70, CARROLL DRIVE AND MONTAGUE STREET TO TRAFFIC, REMOVE BARRICADES, AND COVER WESTBOUND OFF-SITE DETOUR SIGNS.

**STEP 2)** INSTALL OFF-SITE DETOUR SIGNS AND PLACE BARRICADES AND DEVICES TO CLOSE RAMP D (-RPD-) TO TRAFFIC (SEE TMP-14).

**INTERMEDIATE CONTRACT TIME**  
COMPLETE THE FOLLOWING WORK OF PHASE III, STEP 3 FOR RAMP D AND NC 50 BENSON ROAD IN ACCORDANCE WITH THE INTERMEDIATE CONTRACT TIME OF 14 CONSECUTIVE DAYS (SEE SPECIAL PROVISIONS).

**STEP 3)** WORKING IN A CONTINUOUS MANNER, CONSTRUCT NC 50 (-L-) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, AND RAMP D (-RPD-) ACCORDING TO THE FOLLOWING STATIONS (SEE DETAILS ON TMP-12):

- L- STA. 18+20 +/- TO -L- STA. 20+60 +/-
- RPD- STA. 11+20 +/- TO STA. 13+15 +/-

USING RSD 1205.01, 1205.02, 1205.03, AND 1250.01 PLACE TEMPORARY PAVEMENT MARKING (PAINT) AND PAVEMENT MARKERS (TEMPORARY) ON NC 50 (-L-) AND RAMP D (-RPD-) ACCORDING TO THE FOLLOWING STATIONS (SEE DETAIL ON TMP-13):

- L- STA. 17+53 +/- TO -L- STA. 20+27 +/-
- RPD- STA. 11+20 +/- TO STA. 13+15 +/-

MODIFY TRAFFIC SIGNAL AT RAMP C/RAMP D, REMOVE BARRICADES, RESET DEVICES AND OPEN RAMP D TO TRAFFIC.

### PHASE IV

**STEP 1)** USING RSD 1101.02 (SHEETS 1 AND 2 OF 19) AND FLAGGERS, INSTALL AND COVER PERMANENT TRAFFIC SIGNALS AND DETECTION LOOPS ON NC 50 (-L-) AT LOOP B AND AT RAMPS C AND D AS SHOWN IN THE SIGNAL PLANS.

USING RSD 1101.02 (SHEET 1 AND 2 OF 19) AND FLAGGERS FOR TEMPORARY LANE CLOSURES WHILE MAINTAINING TRAFFIC IN THE EXISTING PATTERN, WEDGE PAVEMENT OF NC 50 (-L-) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-15):

- L- STA. 14+30 +/- TO STA. 18+20 +/-
- L- STA. 26+50 +/- TO STA. 35+17 +/-

**STEP 2)** UPON COMPLETION OF BRIDGE DECK, USE RSD 1101.02 (SHEETS 1 AND 2 OF 19) WITH FLAGGERS AND REMOVE THE TEMPORARY BARRIER (PCB) FROM NC 50 AND REPLACE TEMPORARY EXPANSION JOINT SEAL WITH FINAL EXPANSION JOINT SEAL.

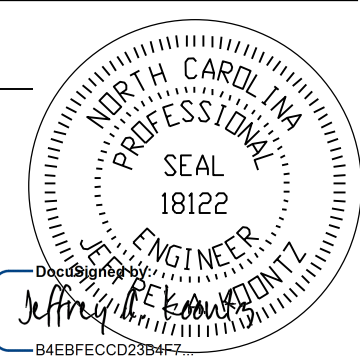
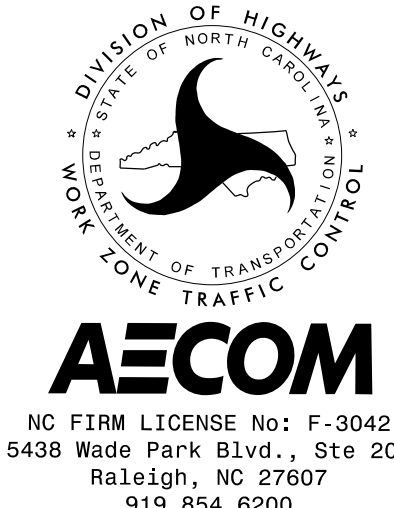
**STEP 3)** USING RSD 1101.02 (SHEETS 1, 2 AND 3 OF 19) AND FLAGGERS FOR TEMPORARY LANE CLOSURES, REMOVE TEMPORARY BARRIERS (PCB) FROM US 70 AND PLACE OVERLAY OR FINAL LAYER OF SURFACE COURSE ON NC 50 (-L-), US 70 (-Y1-), AND CIRCLE ROAD (-Y2-), AND USING RSD 1205.01 THRU 1205.05, 1205.07, 1205.08 AND 1205.12, RSD 1250.01, AND RSD 1251.01, PLACE PERMANENT PAVEMENT MARKING (THERMOPLASTIC OR POLYUREA) IN FINAL PATTERN ACCORDING TO THE PAVEMENT MARKING PLANS FOR -L-, -Y-LINES, LOOPS, AND RAMPS ACCORDING TO THE FOLLOWING STATIONS:

- L- STA. 14+30 +/- TO STA. 21+83 +/-
- L- STA. 21+83 +/- TO STA. 23+66 +/- (POLYUREA)
- L- STA. 23+66 +/- TO STA. 35+17 +/-
- Y1- STA. 25+54 +/- TO STA. 31+00 +/- (WESTBOUND)
- Y1- STA. 26+65 +/- TO STA. 28+58 +/- (EASTBOUND)
- Y2- STA. 12+47 +/- TO STA. 12+77 +/-
- RPB- STA. 10+30 +/- TO STA. 14+81 +/- (PAVEMENT MARKING ONLY)
- LPB- STA. 10+00 +/- TO STA. 15+86 +/- (PAVEMENT MARKING ONLY)
- RPC- STA. 11+60 +/- TO STA. 13+69 +/- (PAVEMENT MARKING ONLY)
- RPD- STA. 11+20 +/- TO STA. 14+06 +/- (PAVEMENT MARKING ONLY)

USE RSD 1101.02 (SHEETS 1 OF 19) AND FLAGGERS TO UNCOVER PERMANENT TRAFFIC SIGNALS ON NC 50 WHEN FINAL PAVEMENT MARKING IS PLACED AT THESE INTERSECTIONS.

OPEN PROJECT FULLY TO TRAFFIC.

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APPROVED: _____  DATE: 1/11/2024		 <p style="font-size: small;">NC FIRM LICENSE No: F-3042 5438 Wade Park Blvd., Ste 200 Raleigh, NC 27607 919.854.6200</p>	<h2 style="margin: 0;">PROJECT PHASING</h2>
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