

# PHASING

PROJ. REFERENCE NO.	SHEET NO.
B-5527	TMP-3

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 AND TEMPORARY DRAINAGE MEASURES.

ALL REFERENCES TO CONSTRUCTION INCLUDE PAVING UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE UNLESS SPECIFICALLY CALLED FOR.

PROVIDE CONSTRUCTION VEHICLE INGRESS/EGRESS FROM NB AND SB SIDES OF BRIDGE DURING EACH CONSTRUCTION PHASE BY ONE OR BOTH OF THE FOLLOWING METHODS:

- PLACE TEMPORARY SHOULDER WIDENING OF ADEQUATE ACCEL/DECEL LENGTHS FOR CONSTRUCTION VEHICLES TO MERGE/DIVERGE WITH TRAFFIC (REFER TO TMP-2A "TYPICAL MEDIAN ACCESS DETAIL AND RSD 1101.05 WORK ZONE VEHICLE ACCESSES" AS APPLICABLE)
- UTILIZE RSD 1101.02 SHEET 4 OF 19 IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS FOR TEMPORARY LANE CLOSURES ON US 52 TO PROVIDE ADEQUATE ACCEL/DECEL FOR CONSTRUCTION VEHICLES MERGING/DIVERGING WITH TRAFFIC

## PHASE 1:

### STEP 1:

INSTALL ADVANCE WORK ZONE WARNING SIGNS ACCORDING TO RSD 1101.01 SHEET 1 OF 3.

USING RSD 1101.02 SHEET 4 OF 19 FOR TEMPORARY LANE CLOSURES IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS, PERFORM THE FOLLOWING AS SHOWN ON SHEETS TMP-4 AND TMP-5:

- WIDEN EXISTING PAVED SHOULDER ALONG US 52 SB SUFFICIENT WIDTH (7.5' PS MIN) TO ACCOMMODATE UNANCHORED PCB PLACEMENT AND DEFLECTION
- REMOVE PORTIONS OF EXISTING GUIDERAIL, INSTALL PCB, TEMP CRASH CUSHIONS, TEMP GUARDRAIL, AND TIE TO EXISTING TO MAINTAIN POSITIVE MEDIAN PROTECTION

### STEP 2:

AWAY FROM TRAFFIC AND BEHIND BARRIER/GUARDRAIL, CONSTRUCT DETOUR BRIDGE AND PROPOSED -SB DET- ALIGNMENT INCLUDING BUT NOT LIMITED TO GRADING, PAVEMENT, PAVEMENT MARKINGS/MARKERS, AND TEMPORARY GUARDRAIL, AS SHOWN ON SHEETS TMP-4 AND TMP-5

### STEP 3:

USING RSD 1101.02 SHEETS 4 OF 19 FOR TEMPORARY LANE CLOSURES IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS PERFORM THE FOLLOWING AS SHOWN ON TMP-4 AND TMP-5:

- REMOVE AND RESET PCB AS REQUIRED TO COMPLETE THE TIE IN OF -SB DET- TO EXISTING US 52 SB WEDGE AS REQUIRED ALONG EXISTING US 52 SB TO PROVIDE SMOOTH TRANSITIONS ALONG EXISTING LANES AND ONTO -SB DET-

## PHASE 2

### STEP 1:

IMPLEMENT OFFSITE DETOUR AND TEMPORARY NIGHTTIME CLOSURE OF US 52 SB LANES AS SHOWN ON SHEET TMP-2C IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS COMPLETE THE REQUIREMENTS OF PHASE 2, STEP 2 WITHIN A SINGLE WORK PERIOD BETWEEN THE HOURS OF 11:00 PM AND 6:00 AM (SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES)

### STEP 2:

RESET PCB, INSTALL TEMPORARY PAVEMENT MARKINGS, AND REMOVE EXISTING CONFLICTING MARKINGS AS SHOWN ON SHEETS TMP-6 AND TMP-7 OPEN UP US 52 SB LANES TO NEW TRAFFIC PATTERN

### STEP 3:

AWAY FROM TRAFFIC AND BEHIND BARRIER/GUARDRAIL, PERFORM THE FOLLOWING AS SHOWN ON SHEETS TMP-6 AND TMP-7, ROADWAY PLANS, AND STRUCTURE PLANS:

- REMOVE EXISTING US 52 SB BRIDGE
- CONSTRUCT PROPOSED -LSB- US 52 SB BRIDGE
- CONSTRUCT PROPOSED -LSB- US 52 SB ROADWAY IMPROVEMENTS UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE

## PHASE 3

### STEP 1:

IMPLEMENT OFFSITE DETOUR AND TEMPORARY NIGHTTIME CLOSURE OF US 52 SB LANES AS SHOWN ON SHEET TMP-2C IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS COMPLETE THE REQUIREMENTS OF PHASE 3, STEP 2 WITHIN A SINGLE WORK PERIOD BETWEEN THE HOURS OF 11:00 PM AND 6:00 AM (SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES)

### STEP 2:

REMOVE/RESET PCB, INSTALL TEMPORARY PAVEMENT MARKINGS, AND REMOVE EXISTING CONFLICTING MARKINGS AS SHOWN ON SHEET TMP-8 AND TMP-9 OPEN UP US 52 SB LANES TO FINAL TRAFFIC PATTERN

### STEP 3:

USING RSD 11.01.02 SHEET 4 OF 19 FOR TEMPORARY LANE CLOSURES IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS, PERFORM THE FOLLOWING AS SHOWN ON SHEETS TMP-8 AND TMP-9:

- WIDEN EXISTING PAVED SHOULDER ALONG US 52 NB SUFFICIENT WIDTH (7.5" PS MIN) TO ACCOMMODATE UNANCHORED PCB PLACEMENT AND DEFLECTION
- INSTALL/RESET PCB AND TEMP CRASH CUSHIONS
- MODIFY EXISTING GUARDRAIL/GUIDERAIL AS REQUIRED TO MAINTAIN POSITIVE MEDIAN PROTECTION
- VARIABLE DEPTH MILLING AND WEDGING ALONG SB US 52 TO OBTAIN FINAL PAVEMENT ELEVATION, UP TO BUT NOT INCLUDING FINAL SURFACE COURSE

### STEP 4:

AWAY FROM TRAFFIC AND BEHIND BARRIER PERFORM THE FOLLOWING AS SHOWN ON SHEETS TMP-8 AND TMP-9 AND ROADWAY PLANS:

- CONSTRUCT PROPOSED -NB DET- ALIGNMENT INCLUDING BUT NOT LIMITED TO GRADING, PAVEMENT, PAVEMENT MARKINGS/MARKERS, AND TEMPORARY GUARDRAIL
- TIE -NB DET- INTO EXISTING DETOUR BRIDGE
- REMOVE EXISTING -SB DET- PAVEMENT

### STEP 5:

USING RSD 1101.02 SHEETS 4 OF 19 FOR TEMPORARY LANE CLOSURES IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS PERFORM THE FOLLOWING AS SHOWN ON TMP-8 AND TMP-9:

- REMOVE AND RESET PCB AS REQUIRED TO COMPLETE THE TIE IN OF -NB DET- TO EXISTING US 52 NB
- WEDGE AS REQUIRED ALONG EXISTING US 52 NB TO PROVIDE SMOOTH TRANSITIONS ALONG EXISTING LANES AND ONTO -NB DET-

## PHASE 4

### STEP 1:

IMPLEMENT OFFSITE DETOUR AND TEMPORARY NIGHTTIME CLOSURE OF US 52 NB LANES AS SHOWN ON SHEET TMP-2B IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS COMPLETE THE REQUIREMENTS OF PHASE 4, STEP 2 WITHIN A SINGLE WORK PERIOD BETWEEN THE HOURS OF 11:00 PM AND 6:00 AM (SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES)

### STEP 2:

RESET PCB, INSTALL TEMPORARY PAVEMENT MARKINGS, AND REMOVE EXISTING CONFLICTING MARKINGS AS SHOWN ON SHEETS TMP-10 AND TMP-11 OPEN UP US 52 NB LANES TO NEW TRAFFIC PATTERN

### STEP 3:

AWAY FROM TRAFFIC AND BEHIND BARRIER/GUARDRAIL, PERFORM THE FOLLOWING AS SHOWN ON SHEETS TMP-10 AND TMP-11, ROADWAY PLANS, AND STRUCTURE PLANS:

- REMOVE EXISTING US 52 NB BRIDGE
- CONSTRUCT PROPOSED -LNB- US 52 NB BRIDGE
- CONSTRUCT PROPOSED -LNB- US 52 NB ROADWAY IMPROVEMENTS UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE

### STEP 4:

USING RSD 1101.02 SHEETS 4 OF 19 FOR TEMPORARY LANE CLOSURES AS NEEDED, IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS, PROVIDE VARIABLE DEPTH WEDGING ON US 52 NB AS SHOWN ON SHEET TMP-10 IN ORDER TO PROVIDE SMOOTH TRANSITION FOR FUTURE PHASE 5 TRAFFIC PATTERN WHILE MAINTAINING PHASE 4 TRAFFIC PATTERN. BRING UP THE PAVEMENT UNIFORMLY, RESETTING PCB AS REQUIRED TO TIE IN.

## PHASE 5

### STEP 1:

IMPLEMENT OFFSITE DETOUR AND TEMPORARY NIGHTTIME CLOSURE OF US 52 NB LANES AS SHOWN ON SHEET TMP-2B IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS COMPLETE THE REQUIREMENTS OF PHASE 5, STEP 2 WITHIN A SINGLE WORK PERIOD BETWEEN THE HOURS OF 11:00 PM AND 6:00 AM (SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES)

### STEP 2:

REMOVE/RESET PCB, INSTALL TEMPORARY PAVEMENT MARKINGS, AND REMOVE EXISTING CONFLICTING MARKINGS AS SHOWN ON SHEET TMP-12 AND TMP-13 OPEN UP US 52 NB LANES TO FINAL TRAFFIC PATTERN

### STEP 3:

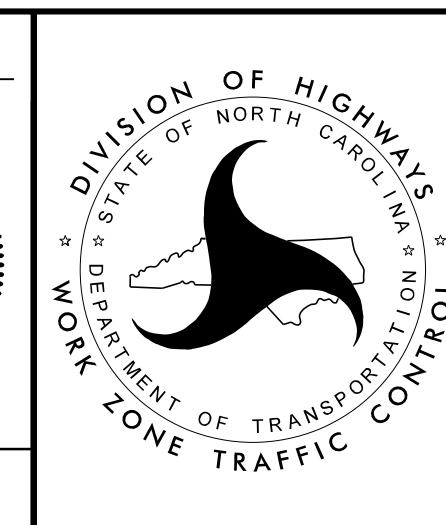
USING RSD 11.01.02 SHEET 4 OF 19 FOR TEMPORARY LANE CLOSURES IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS, PERFORM THE FOLLOWING AS SHOWN ON SHEETS TMP-12 AND TMP-13:

- VARIABLE DEPTH MILLING AND WEDGING ALONG NB US 52 TO OBTAIN FINAL PAVEMENT ELEVATION, UP TO BUT NOT INCLUDING FINAL SURFACE COURSE
- REMOVAL OF EXISTING -NB DET- ALIGNMENT
- REMOVAL OF EXISTING DETOUR BRIDGE
- FINAL GRADING AND PROPOSED IMPROVEMENTS IN THE MEDIAN
- FINAL SURFACE COURSE AND PERMANENT PAVEMENT MARKINGS AND MARKERS
- REMOVE ANY REMAINING TRAFFIC CONTROL DEVICES AND OPEN ALL LANES TO TRAFFIC

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APPROVED: \_\_\_\_\_  
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