

## PHASING

### PHASE I

STEP 1: USING RSD 1101.01, SHEET 1 OF 3, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON I-40 WEST, FROM SR 1436 (PINEBROOK DRIVE) MP 175.48 TO WEST OF NC 801 MP 179.12.

PRIOR TO BEGINNING ANY CONSTRUCTION, ENSURE STATE FORCES HAVE INSTALLED CMS'S FOR THE I-40 ALTERNATE ROUTE. STATE FORCES WILL BE RESPONSIBLE FOR OPERATING CMS'S AND DMS'S FOR I-40 ALTERNATE ROUTES.

STEP 2: USING RSD 1101.02, SHEET 4 OF 14 AND NIGHTLY LANE CLOSURES, MILL OFF AND RESURFACE RUMBLE STRIPS ON I-40 WB MEDIAN SHOULDER. WORK IN CONTINUOUS MANNER UNTIL ALL OF THE MEDIAN SHOULDER WORK ON I-40 WB WITHIN THE VICINITY OF THE PROJECT IS COMPLETED. (SEE TMP-7 I-40 WB CONSTRUCTION DETAIL-1)

INSTALL QUEUE WARNING SYSTEM SYSTEM AND DYNAMIC ZIPPER MERGE SYSTEM FOR RIGHT LANE CLOSURE IN PHASE I, STEPS 3 THRU 8. (SEE PROJECT SPECIAL PROVISIONS)

THE CONTRACTOR SHALL COMPLETE PHASE I, STEPS 3 THROUGH 10 WITHIN FORTY-FIVE (45) CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME-LIQUIDATED DAMAGES)

STEP 3: USING RSD 1101.02, SHEET 4, 9 & 10 OF 14, REMOVE EXISTING YELLOW EDGELINE. PLACE TEMPORARY YELLOW AND WHITE EDGELINES AND SHIFT I-40 WB TRAFFIC TO THE TEMPORARY PATTERN USING MEDIAN SHOULDER AS SHOWN ON TMP-7, I-40 WB CONSTRUCTION DETAIL 2.

SET UP LONG TERM OUTSIDE LANE CLOSURE USING PORTABLE CONCRETE BARRIER AND DRUMS AS SHOWN ON TMP-8.

NOTE: PLACE DRUMS SPACED 60 FT C-C TO MAINTAIN OUTSIDE LANE CLOSURE BETWEEN SEGMENTS OF PORTABLE CONCRETE BARRIER.

STEP 4: BEHIND CONCRETE BARRIER AND DRUMS, BEGIN THE FOLLOWING STARTING FROM THE WEST END OF THE PROJECT GOING TOWARDS THE EAST END:

- PERFORMING CONCRETE PAVEMENT REMOVAL AND REPLACEMENT IN THE OUTSIDE LANE (SEGMENTS 1, 2 & 5). START CONSTRUCTION AT THE WEST END OF THE CONSTRUCTION ZONE (SEGMENT-1) AND MOVE EASTWARD BACK TOWARD THE BEGINNING OF THE LANE CLOSURE (SEGMENT-5).
- MILLING OF AND RESURFACING RUMBLE STRIP ON I-40 WB OUTSIDE LANE ONLY IN SEGMENT-3.
- AFTER EACH SEGMENT COMPLETION, INSTALL TEMPORARY PAINT MARKINGS (1 LAYER) ON SLAB REPLACEMENT AREA, REMOVE PCB, AND REOPEN CLOSED LANE IN THAT SEGMENT TO TRAFFIC.

THE CONTRACTOR SHALL COMPLETE PHASE I, STEPS 5 THROUGH 7 WITHIN TEN (10) CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME-LIQUIDATED DAMAGES)

STEP 5: TEMPORARILY CLOSE THE I-40 WB REST AREA ENTRANCE AS SHOWN IN DETAIL 2 ON TMP-11, BY EXTENDING PORTABLE CONCRETE BARRIER ACROSS THE EXIST RAMP TO THE REST AREA, TEMPORARILY COVERING REST AREA GUIDE SIGNS AS SHOWN ON TMP-12, AND INSTALLING AND ACTIVATING ADVANCE CHANGEABLE MESSAGE SIGNS ON I-40 WB AS SHOWN ON TMP-12.

STEP 6: WITH I-20 WB REST AREA CLOSED TO TRAFFIC AND WORKING BEHIND P.C.B., PERFORM SLAB REPLACEMENTS FOR SLABS 11, 12 AND 13 AS SHOWN ON TMP-11.

STEP 7: UPON COMPLETION OF REPLACEMENTS OF SLABS 11, 12 AND 13 AND PATCHING OF ASPHALT PAVEMENT ON TOP OF THEM, PERFORM THE FOLLOWING TO REOPEN THE I-40 WB REST AREA TO TRAFFIC:

- REMOVE P.C.B. BACK TO ITS PRIOR WESTERN TERMINUS AND RESTORE DRUMS IN RAMP GORE AS SHOWN IN DETAIL 1 ON TMP-11
- REMOVE TEMPORARY SIGN COVERINGS FROM REST AREA GUIDE SIGNS
- DEACTIVATE ADVANCE CHAGEABLE MESSAGE SIGNS

STEP 8: COMPLETE ALL SLAB REPLACEMENT WORK BEGUN IN STEP 4.

AFTER COMPLETING CONSTRUCTION ON WB OUTSIDE LANE, REMOVE ANY REMAINING PCB, REVISE PAVEMENT MARKINGS AND RETURN TRAFFIC TO EXISTING PATTERN USING RSD 1101.02, SHEETS 4, 9 & 10.

RELOCATE QUEUE WARNING AND DYNAMIC ZIPPER MERGE SYSTEM FOR LEFT LANE CLOSURE IN PHASE I, STEP 9. (SEE PROJECT SPECIAL PROVISIONS)

STEP 9: USING RSD 1101.02, SHEET 4, 9 & 10 OF 14, PERFORM CONCRETE PAVEMENT REMOVAL AND REPLACEMENT OF THE INSIDE LANE SLAB(SEGMENT-3, SLAB-14) USING LEFT LANE CLOSURE AND DRUMS. (SEE TMP SHEETS 9, 13, 14 & 15).

STEP 10: REVISE MARKINGS TO ORIGINAL TWO-LANE PATTERN AND REOPEN LEFT LANE IN VICINITY OF SLAB 14.

### PHASE II

STEP 1: USING RSD 1101.01, SHEET 1 OF 3, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON I-40 EAST, FROM WEST OF NC 801 MP 179.12 TO SR 1436 (PINEBROOK DRIVE) MP 175.48.

PRIOR TO BEGINNING ANY CONSTRUCTION, ENSURE STATE FORCES HAVE INSTALLED CMS'S FOR THE I-40 ALTERNATE ROUTE. STATE FORCES WILL BE RESPONSIBLE FOR OPERATING CMS'S AND DMS'S FOR I-40 ALTERNATE ROUTES.

STEP 2: USING RSD 1101.02, SHEET 4 OF 14 AND NIGHTLY LANE CLOSURES, MILL OFF AND RESURFACE RUMBLE STRIPS ON I-40 EB MEDIAN SHOULDER. WORK IN CONTINUOUS MANNER UNTIL ALL OF THE MEDIAN SHOULDER WORK ON I-40 EB WITHIN THE VICINITY OF THE PROJECT IS COMPLETED. (SEE TMP-7 I-40 EB CONSTRUCTION DETAIL-1)

INSTALL QUEUE WARNING SYSTEM AND DYNAMIC ZIPPER MERGE SYSTEM FOR RIGHT LANE CLOSURE IN PHASE II, STEPS 3 THRU 5. (SEE PROJECT SPECIAL PROVISIONS)

THE CONTRACTOR SHALL COMPLETE PHASE II, STEPS 3 THROUGH 7 WITHIN FORTY-FIVE (45) CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME-LIQUIDATED DAMAGES)

STEP 3: USING RSD 1101.02, SHEET 4, 9 & 10 OF 14, REMOVE EXISTING YELLOW EDGELINE. PLACE TEMPORARY YELLOW AND WHITE EDGELINES AND SHIFT I-40 EB TRAFFIC TO THE TEMPORARY PATTERN USING MEDIAN SHOULDER AS SHOWN ON TMP-7, I-40 EB CONSTRUCTION DETAIL 2.

SET UP LONG TERM OUTSIDE LANE CLOSURE USING PORTABLE CONCRETE BARRIER AND DRUMS AS SHOWN ON TMP-8

NOTE: PLACE DRUMS SPACED 60 FT C-C TO MAINTAIN OUTSIDE LANE CLOSURE BETWEEN SEGMENTS OF PORTABLE CONCRETE BARRIER.

CONTINUED ON SHEET TMP-3A

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