

PHASING

WORK ZONE ADVANCE WARNING SIGNS

PRIOR TO BEGINNING ANY WORK ON I-85, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON I-85 NB & I-85 SB PROJECT APPROACHES AS WELL AS INTERCHANGE RAMPS / LOOPS WITHIN THE PROJECT LIMITS AS SHOWN ON RSD 1101.01, SHEET 1 OF 3.

DRAINAGE REPAIRS AND IMPROVEMENTS

USING RSD 1101.04 AND DETAIL SHEETS TMP-7 AND TMP-8, TEMPORARILY CLOSE SHOULDERS ON I-85 TO PERFORM DRAINAGE REPAIRS AND IMPROVEMENTS AWAY FROM TRAFFIC, INCLUDING REPAIR OF CONCRETE AT D.I.'S, PARALLEL PIPE REPAIRS, SHOULDER REGRADING AND PIPE LINING. REFER TO PROJECT OVERVIEWS ON TMP-4 THRU TMP-6 AND ROADWAY PLANS FOR LOCATIONS OF DRAINAGE IMPROVEMENT WORK AREAS.

THIS WORK MAY BE COMPLETED AT ANY TIME WHEN NOT IN CONFLICT WITH SLAB REPLACEMENTS, FULL-DEPTH PAVED SHOULDER RECONSTRUCTION, AND BRIDGE REHABILITATION.

SHOULDER SLAB REPLACEMENT

THIS WORK MAY BE COMPLETED AT ANY TIME WHEN NOT IN CONFLICT WITH I-85 MAINLINE SLAB REPLACEMENTS, FULL-DEPTH SHOULDER RECONSTRUCTION, AND BRIDGE REHABILITATION.

USING SHEET TMP-1B, TEMPORARILY CLOSE THE RIGHT LANE OF I-85 TO REPLACE EXISTING SHOULDER SLABS DURING PERMISSIBLE LANE CLOSURE HOURS AT THE FOLLOWING LOCATIONS:

I-85 NORTHBOUND

- BRIDGE #147 OVER N.S.R.R. (SEE PROJECT OVERVIEW SHEET TMP-4)
- BRIDGE #154 OVER SWEARING CREEK (SEE PROJECT OVERVIEW SHEET TMP-4)
- BRIDGE #170 OVER ABBOTTS CREEK (SEE PROJECT OVERVIEW SHEET TMP-5)

I-85 SOUTHBOUND

- BRIDGE #171 - I-85 SB OVER ABBOTTS CREEK (SEE PROJECT OVERVIEW SHEET TMP-5)

FULL-DEPTH SHOULDER RECONSTRUCTION

THIS WORK MAY BE COMPLETED AT ANY TIME WHEN NOT IN CONFLICT WITH SLAB REPLACEMENTS AND BRIDGE REHABILITATION.

FOR EACH WORK LOCATION, THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN STEP 1 THROUGH STEP 4 WITHIN 168 CONSECUTIVE HOURS. SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES

I-85 SOUTHBOUND MP 89.29 TO 89.24 AND MP 89.18 TO 89.12
(SEE DETAIL SHEET TMP-12)

- STEP 1: WITHOUT DISTURBING EXISTING GUARDRAIL, PERFORM AS MUCH OF PROPOSED CONSTRUCTION AS POSSIBLE BY TEMPORARILY CLOSING RIGHT LANE OF I-85 SB OVER SWEARING CREEK (BRIDGE #157) DURING PERMISSIBLE LANE CLOSURE HOURS USING SHEET TMP-1B.
- STEP 2: USING SHEET TMP-1C, TEMPORARILY CLOSE THE I-85 SB CENTER AND RIGHT LANES AND INSTALL PORTABLE CONCRETE BARRIER (P.C.B.) ON RIGHT LANE AS SHOWN ON DETAIL SHEET TMP-12. ONCE P.C.B. IS INSTALLED, REOPEN CENTER LANE WHILE MAINTAINING RIGHT LANE CLOSURE AS SHOWN ON TMP-12 AND SHEET TMP-1B.

STEP 3: WORKING BEHIND P.C.B., REMOVE EXISTING GUARDRAIL THEN CONSTRUCT FULL-DEPTH PAVED SHOULDER, SHOULDER BERM GUTTER AND GUARDRAIL AND REPLACE SHOULDER SLAB.

STEP 4: USING SHEET TMP-1C, TEMPORARILY CLOSE THE I-85 SB CENTER LANE AND REMOVE P.C.B FROM THE CLOSED RIGHT LANE. REMOVE ALL LANE CLOSURE SIGNS AND DEVICES AND REOPEN ALL SOUTHBOUND LANES TO TRAFFIC.

I-85 NORTHBOUND MP 91.52 TO 91.69
(SEE DETAIL SHEETS TMP-15 THRU TMP-17)

STEP 1: WITHOUT DISTURBING EXISTING GUARDRAIL, PERFORM AS MUCH OF PROPOSED CONSTRUCTION AS POSSIBLE BY TEMPORARILY CLOSING RIGHT LANE OF I-85 NB DURING PERMISSIBLE LANE CLOSURE HOURS USING SHEET TMP-1B AND RSD 1101.02, SHEETS 9 AND 10 OF 14.

- STEP 2: USING SHEET TMP-1C AND RSD 1101.02, SHEETS 9 AND 10 OF 14, TEMPORARILY CLOSE THE I-85 NB CENTER AND RIGHT LANES:
 - REVISE PAVEMENT MARKINGS ON I-85 NB RIGHT LANE AND NB ENTRANCE RAMP FROM NC 8 AS SHOWN ON DETAIL SHEETS TMP-16 AND TMP-17.
 - INSTALL PORTABLE CONCRETE BARRIER (P.C.B.) ON RIGHT LANE AS SHOWN ON DETAIL SHEETS TMP-16 AND TMP-17.
 - ONCE P.C.B. IS INSTALLED, REOPEN CENTER LANE WHILE MAINTAINING RIGHT LANE CLOSURE AS SHOWN ON DETAIL SHEETS TMP-15 THROUGH TMP-17 AND SHEET TMP-1B.

STEP 3: WORKING BEHIND P.C.B., REMOVE EXISTING GUARDRAIL THEN CONSTRUCT FULL-DEPTH PAVED SHOULDER, SHOULDER BERM GUTTER AND GUARDRAIL AND REPLACE SHOULDER SLAB.

- STEP 4: USING SHEET TMP-1C AND RSD 1101.02, SHEETS 9 AND 10 OF 14M TEMPORARILY CLOSE THE I-85 NB CENTER LANE AND:
 - REMOVE P.C.B. FROM THE CLOSED RIGHT LANE.
 - REMOVE TEMPORARY PAVEMENT MARKINGS FROM THE I-85 NB RIGHT LANE AND NB ENTRANCE RAMP FROM NC 8.
 - INSTALL PAINT PAVEMENT MARKINGS IN ORIGINAL PATTERN ON THE I-85 NB RIGHT LANE AND NB ENTRANCE RAMP FROM NC 8.

REMOVE ALL LANE CLOSURE SIGNS AND DEVICES AND REOPEN ALL NORTHBOUND LANES TO TRAFFIC.

I-85 SLAB REPLACEMENT

THIS WORK MAY BE COMPLETED AT ANY TIME WHEN NOT IN CONFLICT WITH FULL-DEPTH PAVED SHOULDER RECONSTRUCTION, SHOULDER SLAB REPLACEMENT AND BRIDGE REHABILITATION.

FOR EACH WORK LOCATION, THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN STEPS 1 THROUGH 3 DURING ALLOWABLE OVERNIGHT LANE CLOSURE HOURS.

CONTINUED ON SHEET TMP-3A

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DocuSigned by: APPROVED: B136C648C96B4EA... DATE: 7/22/2022 SEAL DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	 DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	PHASING
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