

PROJECT PHASING

STEP 1:

PRIOR TO ANY WORK OPERATIONS, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON I-85 NB AND SB, NC 147, CMRAMPA, CMRAMPB, CMRAMPC, CMRAMPD, COLE MILL RD, AND US 15-501 SB. SEE RSD 1101.01.

NOTE: STEPS 2, 3 AND 4 MAY BE DONE CONCURRENTLY

STEP 2:

CONTRACTOR MAY BEGIN ALL BRIDGE PRESERVATION WORK. SEE BRIDGE PRESERVATION PHASING.

I-85 NB AND SB MILLING AND RESURFACING

A- USING RSD 1101.02, SHEETS 4, 8, AND 9 MILL AND RESURFACE ALL LANES (1, 2, AND 3) OF I-85 NB AND SB UP TO, BUT NOT INCLUDING ULTRA THIN BONDED WEARING COURSE. RESURFACE LANE 3 OF I-85 NB AND SB IN CONJUNCTION WITH STEP 3C.

- USING RSD 1101.02, SHEETS 4, 8, AND 9, INSTALL ALL OVERHEAD SIGNING OVERLAYS. SEE SIGNING PLANS.

B- USING RSD 1101.02, SHEETS 4, 8, AND 9, INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS.

STEP 3 (TMP-3 THRU TMP-25)

I-85 RAMPS NB AND SB MILLING AND RESURFACING

A- INSTALL AND COVER ALL DETOUR SIGNS AND DEVICES FOR EACH RAMP AS NEEDED. (SEE TMP-3 TO TMP-3B)

B- UNCOVER/ACTIVATE DETOUR ROUTE SIGNS AND DEVICES, CLOSE RAMP AND PLACE TRAFFIC ONTO DETOUR.

C- AWAY FROM TRAFFIC, MILL AND RESURFACE UP TO, BUT NOT INCLUDING ULTRA THIN BONDED WEARING COURSE. INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS.

- USING RSD 1101.02, SHEET 4, MILL AND RESURFACE UP TO, BUT NOT INCLUDING ULTRA THIN BONDED WEARING COURSE IN LANE 3 ADJACENT TO THE RAMP FROM 500 FT BEFORE/AFTER THE BEGINING/ENDING OF THE RAMP TO 500 FT BEFORE/AFTER THE BACK OF THE GORE. (SEE TMP-4 TO TMP-6 FOR -CMRAMPA-, TMP-7 TO TMP-11 FOR -CMRAMPB-, TMP-12 TO TMP-13 FOR -CMRAMPC-, TMP-14 TO TMP-16 FOR -CMRAMPD-, TMP-17 TO TMP-20 FOR NC 147 NB TIE TO I-85, AND TMP-21 TO TMP-25 FOR NC 147 SB TIE TO I-85) INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS IN THE EXISTING PATTERN.

NOTE: USE RSD 1101.02, SHEET 3, ON COLE MILL RD TO CONSTRUCT RAMP MILLING AND RESURFACING, CROSSWALK AND SIDEWALK WORK WHILE RAMP TRAFFIC IS DETOURED. SEE RDY PLANS.

D- REOPEN RAMP TO TRAFFIC. COVER AND REMOVE ALL DETOUR ROUTE SIGNING/DEVICES.

STEP 4

COMPLETE ALL BRIDGE PRESERVATION WORK. SEE BRIDGE PRESERVATION PHASING.

STEP 5

FINAL WEARING SURFACE AND FINAL MARKINGS

USING RSD 1101.02, SHEETS 4, 8, 9 AND TMP-4 THRU TMP-25 INSTALL ULTRA THIN BONDED WEARING COURSE ON ALL LANES OF I-85 NB AND SB INCLUDING ALL RAMPS AND BRIDGES.

STEP 6

USING RSD 1101.02, SHEETS 4, 8, 9, AND 16 INSTALL FINAL PAVEMENT MARKINGS AND MARKERS ON ALL LANES OF I-85 NB AND SB INCLUDING ALL RAMPS AND BRIDGES.

STEP 7

REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN TO FINAL PATTERN

BRIDGE PRESERVATION PHASING

NOTE: USE IN CONJUNCTION WITH PROJECT PHASING STEPS 2 AND 4

PROJ. REFERENCE NO.	SHEET NO.
I-5941	TMP-2B

BRIDGE PRESERVATION WORK

PERFORM ALL BRIDGE REHAB WORK ON BRIDGES 429, 355, 108, 112, AND 135

NOTES

ALL BRIDGES MAY BE DONE CONCURRENTLY OR INDIVIDUALLY

CONTRACTOR SHALL NOT CLOSE BRIDGES 429, 355, OR 135 TO PERFORM BRIDGE DECK REHABILITATION.

BRIDGE 429, 355, AND 135 REHABILITATION PHASING

A- USING TMP-27 (BRIDGE 429 - NC 147 NB), OR TMP-29 (BRIDGE 355 - NC 147 SB), OR TMP-31 TO TMP-37 (BRIDGE 135 - US 15 - 501 SB), CLOSE OUTSIDE LEFT SIDE OF BRIDGE AND PLACE TRAFFIC IN THE INSIDE LANE.

- SANDBLAST OUTSIDE HALF OF BRIDGE AND OUTSIDE BARRIER RAIL.

- PLACE POLYMER CONCRETE OVERLAY ON OUTSIDE HALF OF THE BRIDGE AND GROOVE PC BRIDGE DECK. PLACE SILANE SEALER ON FRONT AND TOP SURFACES OF OUTSIDE BARRIER RAIL.

- REMOVE EXISTING JOINT MATERIAL AND INSTALL FOAM JOINT SEALS.

B- USING TMP-28, (BRIDGE 429 - NC 147 NB), OR TMP-30 (BRIDGE 355 - NC 147 SB), OR TMP-38 TO TMP-45 (BRIDGE 135 - US 15-501 SB), CLOSE THE RIGHT SIDE OF BRIDGE AND PLACE TRAFFIC IN THE OUTSIDE LANE.

- SANDBLAST INSIDE HALF OF BRIDGE AND INSIDE BARRIER RAIL.

- PLACE POLYMER CONCRETE OVERLAY ON INTSIDE HALF OF THE BRIDGE AND GROOVE PC BRIDGE DECK. PLACE SILANE SEALER ON FRONT AND TOP SURFACES OF INSIDE BARRIER RAIL.

- REMOVE EXISTING JOINT MATERIAL AND INSTALL FOAM JOINT SEALS.

C- USING RSD 1101.02, SHEET 4 AS NEEDED, PERFORM THE FOLLOWING:

- REMOVE DEBRIS FROM TOP OF EXISTING END BENT AND BENT CAPS AND APPLY EPOXY COATING

- INJECT EPOXY RESIN IN TO CONCRETE CRACKS AS SHOWN IN STRUCTURE PLANS

- REMOVE UNSOUND CONCRETE AND PROPERLY PREPARE EXISTING END BENT AND BENT AREAS FOR SHOTCRETE AND CONCRETE REPAIRS AS SHOWN IN THE STRUCTURE PLANS

- PROPERLY PREPARE SPALLED AREAS IN EXISTING END BENT AND BENTS AND PERFORM SHOTCRETE AND CONCRETE REPAIRS AS SHOWN IN THE STRUCTURE PLANS

- CLEAN AND PAINT EXISTING WEATHERING STEEL BEAM ENDS

D- SEE STEP 5 IN PAVEMENT REHABILITATION PHASING UPON COMPLETION OF ALL BRIDGE PRESERVATION WORK

BRIDGE 108 AND 112 REHABILITATION PHASING

A- CLOSE BRIDGE 108 OR 112 AND RUN TRAFFIC UP AND DOWN THE COLE MILL ROAD RAMPS AS SHOWN ON TMP-26.

- SANDBLAST BRIDGE DECK AND BARRIER RAILS.

- PLACE POLYMER CONCRETE OVERLAY ON THE BRIDGE DECK AND GROOVE PC BRIDGE DECK. PLACE SILANE SEALER ON FRONT AND TOP SURFACES OF THE BARRIER RAILS.

- REMOVE EXISTING JOINT MATERIAL AND INSTALL FOAM JOINT SEALS.

- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS.

B- REMOVE TRAFFIC CONTROL DEVICES AND OPEN BRIDGE 108 OR 112 TO TRAFFIC.

C- USING RSD 1101.02, SHEET 4 AS NEEDED ON COLE MILL ROAD, PERFORM THE FOLLOWING:

- REMOVE DEBRIS FROM TOP OF EXISTING END BENT AND BENT CAPS AND APPLY EPOXY COATING

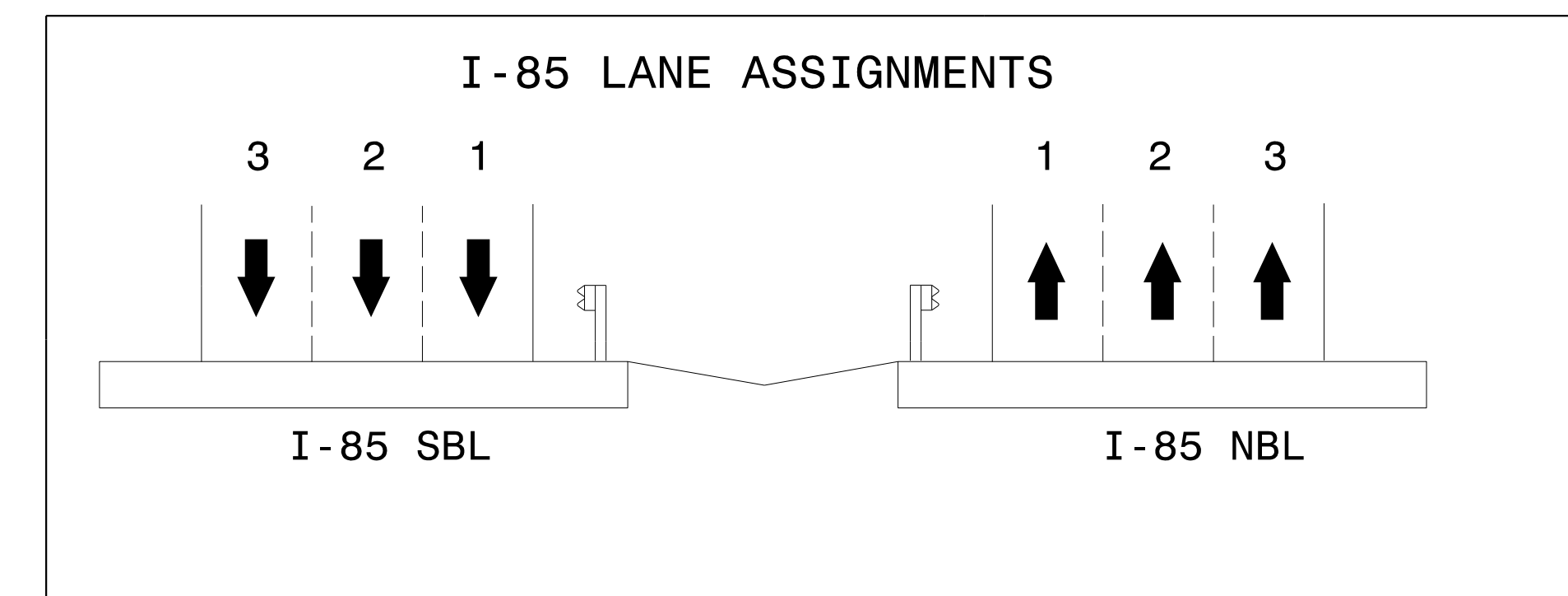
- INJECT EPOXY RESIN IN TO CONCRETE CRACKS AS SHOWN IN STRUCTURE PLANS

- REMOVE UNSOUND CONCRETE AND PROPERLY PREPARE EXISTING END BENT AND BENT AREAS FOR SHOTCRETE AND CONCRETE REPAIRS AS SHOWN IN THE STRUCTURE PLANS

- PROPERLY PREPARE SPALLED AREAS IN EXISTING END BENT AND BENTS AND PERFORM SHOTCRETE AND CONCRETE REPAIRS AS SHOWN IN THE STRUCTURE PLANS.

- CLEAN AND PAINT EXISTING WEATHERING STEEL BEAM ENDS.

D- SEE STEP 5 IN PAVEMENT REHABILITATION PHASING UPON COMPLETION OF ALL BRIDGE PRESERVATION WORK



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UNLESS ALL SIGNATURES COMPLETED**

PHASING