

PROJ. REFERENCE NO.	SHEET NO.
I-5746C	TMP-6A

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## PHASING NOTES

**BRIDGE REHABILITATION**

PHASING  
 USE NCDOT RSD 1101.01 SHEETS 1 THRU 3 OF 3 TO INSTALL WORK ZONE  
 ADVANCE WARNING SIGNS.  
 CONTRACTOR MAY WORK ON MULTIPLE LOCATIONS SIMULTANEOUSLY IF  
 APPROVED BY THE ENGINEER.

LOCATION: C-1 (BRIDGE # 320) NORTHBOUND

STEP 1: USE TMP-34, TMP-10 FOR OFFSITE DETOUR 36 AND NCDOT RSD  
 1101.02 SHEET 8 OF 14 TO CLOSE LANES L1 AND L2 OF I-277 NB  
 AND RAMP #36. PLACE DETOUR SIGNING FOR CLOSURES ALONG 12TH  
 ST, RAMP #34 AND RAMP #36. THIS OPERATION WILL CLOSE RAMP  
 #36. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR  
 OPERATION. PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS  
 REQUIRED IN BRIDGE PLANS ON I-277 AT LOCATION C-1 (BRIDGE  
 #320). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY  
 AND BRIDGE TO TRAFFIC.

STEP 2: USE TMP-35, TMP-10 FOR OFFSITE DETOUR 36 AND NCDOT RSD  
 1101.02 SHEET 8 OF 14 TO CLOSE LANES L2 AND L3 OF I-277 NB  
 AND RAMP #36. PLACE DETOUR SIGNING FOR CLOSURES ALONG  
 12TH ST, RAMP #34 AND RAMP #36. THIS OPERATION WILL CLOSE  
 RAMP #36. COVER SIGNS UNTIL OFFSITE DETOUR IS READY FOR  
 OPERATION. PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS  
 REQUIRED IN BRIDGE PLANS ON I-277 AT LOCATION C-1 (BRIDGE  
 #320). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY  
 AND BRIDGE TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

STEP 4: USE TMP-21 AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL  
 LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE SOUTHBOUND  
 INSIDE LANE AND SIDEWALK OF BREVARD ST DURING ALLOWABLE  
 LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC  
 CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE NORTHBOUND  
 SIDEWALK WITHIN THE BRIDGE WORK AREA UNDER LOCATION C-1  
 (BRIDGE # 320). CROSS PEDESTRIANS AT 11TH ST FROM EAST TO  
 WEST, CROSS PEDESTRIANS BACK AT 12TH ST FROM WEST TO EAST.  
 PERFORM UNDER DECK BRIDGE OPERATIONS AS REQUIRED PER  
 BRIDGE PLANS AT LOCATION C-1 (BRIDGE #320). AT THE END OF  
 EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 5: REPEAT STEP 4 UNTIL ALL WORK IS COMPLETE.

STEP 6: USE TMP-22 AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL  
 LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE SOUTHBOUND  
 OUTSIDE LANE AND SIDEWALK OF BREVARD ST DURING ALLOWABLE  
 LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC  
 CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE SOUTHBOUND  
 SIDEWALK WITHIN THE BRIDGE WORK AREA UNDER LOCATION C-1  
 (BRIDGE # 320). CROSS PEDESTRIANS AT 12TH ST FROM WEST TO  
 EAST, CROSS PEDESTRIANS BACK AT 11TH ST FROM EAST TO WEST.  
 PERFORM UNDER DECK BRIDGE OPERATIONS AS REQUIRED PER  
 BRIDGE PLANS AT LOCATION C-1 (BRIDGE #320). AT THE END OF  
 EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 7: REPEAT STEP 6 UNTIL ALL WORK IS COMPLETE.

LOCATION: C-2 (BRIDGE # 322) NORTHBOUND

STEP 1: USE TMP-36, TMP-10 FOR OFFSITE DETOUR 36 AND NCDOT RSD  
 1101.02 SHEET 8 OF 14 TO CLOSE LANES L1, L2 AND L3 OF  
 I-277 NB AND RAMP #36. PLACE DETOUR SIGNING FOR CLOSURES  
 ALONG 12TH ST, RAMP #34 AND RAMP #36. THIS OPERATION  
 WILL CLOSE RAMP #36. COVER SIGNS UNTIL OFFSITE DETOUR IS  
 READY FOR OPERATION. PERFORM BRIDGE DECK PRESERVATION  
 OPERATIONS AS REQUIRED IN BRIDGE PLANS ON I-277 AT  
 LOCATION C-2 (BRIDGE #322). AT THE END OF EACH WORK PERIOD  
 REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-37, TMP-9 FOR OFFSITE DETOUR 35, TMP-10 FOR  
 OFFSITE DETOUR 36 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO  
 CLOSE LANES L2, L3 AND L4 OF I-277 NB, RAMP #35 AND RAMP  
 #36. PLACE DETOUR SIGNING FOR CLOSURES ALONG I-277, US  
 74, NC 27 (Mc DOWELL ST), 4TH ST, 10TH ST, 11TH ST,  
 12TH ST, CHURCH ST, RAMP #34, RAMP #35, RAMP #36, US74  
 WB/I-277 SB EXIT 2A EXIT RAMP, US74 EB/I-277 NB EXIT 2A  
 EXIT RAMP, AND EXIT RAMP TOWARDS 3RD AND 4TH ST AFTER US74  
 EB/I-277 NB EXIT 2A. THIS OPERATION WILL CLOSE RAMP #35  
 AND #36. COVER SIGNS UNTIL OFFSITE DETOURS ARE READY FOR  
 OPERATION. PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS  
 REQUIRED IN BRIDGE PLANS ON I-277 AT LOCATION C-2 (BRIDGE  
 #322). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY  
 TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

STEP 4: USE TMP-6D FOR THE PEDESTRIAN DETOUR TO CLOSE BOTH  
 SIDEWALKS UNDER LOCATION C-2 (BRIDGE #322) BETWEEN 12TH ST  
 AND 9TH ST DURING CATS NON-REVENUE TIMES. PLACE DETOUR  
 SIGNS FOR CLOSURES ALONG 12TH ST, COLLEGE ST AND 9TH ST.  
 THIS OPERATION WILL CLOSE BOTH SIDEWALKS BETWEEN 12TH ST  
 AND 9TH ST. COVER SIGNS UNTIL DETOUR IS READY FOR  
 OPERATION. UNCOVER SIGNS AND PERFORM UNDER DECK BRIDGE  
 PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS AT  
 LOCATION C-2 (BRIDGE #322).

USE TMP-6E FOR PEDESTRIAN DETOUR TO CLOSE THE SIDEWALK  
 ADJACENT TO THE ACTIVE WORK AREA UNDER LOCATION C-2  
 (BRIDGE #322) BETWEEN 12TH ST AND 9TH ST DURING CATS  
 REVENUE TIMES. PLACE DETOUR SIGNS FOR CLOSURES ALONG 12TH  
 STREET, AND THE SIDEWALK ALONG THE CATS RAIL. THIS  
 OPERATION WILL CLOSE THE SIDEWALK ADJACENT TO THE ACTIVE  
 WORK AREA. COVER SIGNS UNTIL DETOUR IS READY FOR  
 OPERATION. UNCOVER SIGNS AND PERFORM UNDER DECK BRIDGE  
 PRESERVATION AS REQUIRED IN BRIDGE PLANS AT LOCAITON C-2  
 (BRIDGE #322).

STEP 5: REPEAT STEP 6 UNTIL ALL WORK IS COMPLETE.

LOCATION: C-3 (BRIDGE # 326) NORTHBOUND

STEP 1: USE TMP-38, TMP-10 FOR OFFSITE DETOUR 36 AND NCDOT RSD  
 1101.02 SHEET 8 OF 14 TO CLOSE LANES L1, L2 AND L3 OF  
 I-277 NB AND RAMP #36. PLACE DETOUR SIGNING FOR CLOSURES  
 12TH ST, RAMP #34 AND RAMP #36. THIS OPERATION WILL  
 CLOSE RAMP #36. COVER SIGNS UNTIL OFFSITE DETOUR IS READY  
 FOR OPERATION. PERFORM BRIDGE DECK PRESERVATION  
 OPERATIONS AS REQUIRED IN BRIDGE PLANS ON I-277 AT  
 LOCATION C-3 (BRIDGE #326). AT THE END OF EACH WORK PERIOD  
 REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-39, TMP-9 FOR OFFSITE DETOUR 35, TMP-10 FOR  
 OFFSITE DETOUR 36 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO  
 CLOSE LANES L2 AND L3 OF I-277 NB, RAMP #35 AND RAMP #36.  
 PLACE DETOUR SIGNING FOR CLOSURES ALONG I-277, US 74, NC  
 27 (Mc DOWELL ST), 4TH ST, 10TH ST, 11TH ST, 12TH ST,  
 CHURCH ST, RAMP #34, RAMP #35, RAMP #36, US74 WB/I-277 SB  
 EXIT 2A EXIT RAMP, US74 EB/I-277 NB EXIT 2A EXIT RAMP, AND  
 EXIT RAMP TOWARDS 3RD AND 4TH ST AFTER US74 EB/I-277 NB  
 EXIT 2A. THIS OPERATION WILL CLOSE RAMP #35 AND #36.  
 COVER SIGNS UNTIL OFFSITE DETOUR ARE READY FOR OPERATION.  
 PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN  
 BRIDGE PLANS ON I-277 AT LOCATION C-3 (BRIDGE #326). AT  
 THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

STEP 4: USE TMP-23 AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL  
 LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE NORTHBOUND  
 INSIDE LANE AND INSIDE SIDEWALK OF COLLEGE ST DURING  
 ALLOWABLE LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE  
 TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE NORTHBOUND  
 INSIDE SIDEWALK WITHIN THE BRIDGE WORK AREA UNDER LOCATION  
 C-3 (BRIDGE # 326). CROSS PEDESTRIANS AT 11TH ST FROM  
 SOUTH TO NORTH, CROSS PEDESTRIANS BACK AT 12TH ST FROM  
 NORTH TO SOUTH. PERFORM UNDER DECK BRIDGE OPERATIONS AS  
 REQUIRED PER BRIDGE PLANS AT LOCATION C-3 (BRIDGE #326).  
 AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO  
 TRAFFIC.

STEP 5: REPEAT STEP 4 UNTIL ALL WORK IS COMPLETE.

STEP 6: USE TMP-24 AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL  
 LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE NORTHBOUND  
 OUTSIDE LANE AND OUTSIDE SIDEWALK OF COLLEGE ST DURING  
 ALLOWABLE LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE  
 TRAFFIC CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE SOUTHBOUND  
 OUTSIDE SIDEWALK WITHIN THE BRIDGE WORK AREA UNDER  
 LOCATION C-3 (BRIDGE # 326). CROSS PEDESTRIANS AT 12TH ST  
 FROM SOUTH TO NORTH, CROSS PEDESTRIANS BACK AT 11TH ST  
 FROM NORTH TO SOUTH. PERFORM UNDER DECK BRIDGE OPERATIONS  
 AS REQUIRED PER BRIDGE PLANS AT LOCATION C-3 (BRIDGE  
 #326). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY  
 TO TRAFFIC.

STEP 7: REPEAT STEP 6 UNTIL ALL WORK IS COMPLETE.

LOCATION: C-4 (BRIDGE # 327) NORTHBOUND

STEP 1: USE TMP-40 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO CLOSE  
 LANES L1 AND L2 OF I-277 NB. PERFORM BRIDGE DECK  
 PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS ON  
 I-277 AT LOCATION C-4 (BRIDGE #327). AT THE END OF EACH  
 WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-41, TMP-9 FOR OFFSITE DETOUR 35, TMP-10 FOR  
 OFFSITE DETOUR 36 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO  
 CLOSE LANES L2 AND L3 OF I-277 NB, RAMP #35 AND RAMP #36.  
 PLACE DETOUR SIGNING FOR CLOSURES ALONG I-277, US 74, NC  
 27 (Mc DOWELL ST), 4TH ST, 10TH ST, 11TH ST, 12TH ST,  
 CHURCH ST, RAMP #34, RAMP #35, RAMP #36, US74 WB/I-277 SB  
 EXIT 2A EXIT RAMP, US74 EB/I-277 NB EXIT 2A EXIT RAMP, AND  
 EXIT RAMP TOWARDS 3RD AND 4TH ST AFTER US74 EB/I-277 NB  
 EXIT 2A. THIS OPERATION WILL CLOSE RAMP #35 AND #36.  
 COVER SIGNS UNTIL OFFSITE DETOUR ARE READY FOR OPERATION.  
 PERFORM BRIDGE DECK PRESERVATION OPERATIONS AS REQUIRED IN  
 BRIDGE PLANS ON I-277 AT LOCATION C-4 (BRIDGE #327). AT  
 THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.

STEP 4: USE TMP-25 AND NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL  
 LANE CLOSURE SIGNS AND DEVICES TO CLOSE THE NORTHBOUND  
 OUTSIDE LANE AND SIDEWALK OF TRYON ST DURING ALLOWABLE  
 LANE CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC  
 CONTROL HANDBOOK DIAGRAM 2 TO CLOSE THE NORTHBOUND  
 SIDEWALK WITHIN THE BRIDGE WORK AREA UNDER LOCATION C-4  
 (BRIDGE # 327). CROSS PEDESTRIANS AT 11TH ST FROM SOUTH TO  
 NORTH, CROSS PEDESTRIANS BACK AT 12TH ST FROM NORTH TO  
 SOUTH. PERFORM UNDER DECK BRIDGE OPERATIONS AS REQUIRED  
 PER BRIDGE PLANS AT LOCATION C-4 (BRIDGE #327). AT THE END  
 OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 5: REPEAT STEP 4 UNTIL ALL WORK IS COMPLETE.

STEP 6: USE TMP-26, NCDOT RSD 1101.02 SHEET 3 OF 14 TO INSTALL  
 LANE CLOSURE SIGNS DEVICES TO CLOSE THE SOUTHBOUND OUTSIDE  
 LANE AND SIDEWALK OF TRYON ST DURING ALLOWABLE LANE  
 CLOSURE TIMES. USE CHARLOTTE WORK ZONE TRAFFIC CONTROL  
 HANDBOOK DIAGRAM 2 TO CLOSE THE SOUTHBOUND SIDEWALK WITHIN  
 THE BRIDGE WORK AREA UNDER LOCATION C-4 (BRIDGE # 327).  
 CROSS PEDESTRIANS AT UNDER THE BRIDGE AT 12TH ST FROM  
 NORTH TO SOUTH, CROSS PEDESTRIANS BACK AT 11TH ST FROM  
 SOUTH TO NORTH. PERFORM UNDER DECK BRIDGE OPERATIONS AS  
 REQUIRED PER BRIDGE PLANS AT LOCATION C-4 (BRIDGE #327).  
 AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO  
 TRAFFIC.

STEP 7: REPEAT STEP 6 UNTIL ALL WORK IS COMPLETE.

STEP 8: USE TMP-27, NCDOT RSD 1101.02 SHEET 3 OF 14 AND NCDOT RSD  
 1101.02 SHEET 7 OF 14 TO INSTALL LANE CLOSURE SIGNS AND  
 DEVICES TO CLOSE THE CENTER LANES OF TRYON ST DURING  
 ALLOWABLE LANE CLOSURE TIMES. PERFORM UNDER DECK BRIDGE  
 OPERATIONS AS REQUIRED PER BRIDGE PLANS AT LOCATION C-4  
 (BRIDGE #327). AT THE END OF EACH WORK PERIOD REOPEN THE  
 ROADWAY TO TRAFFIC.

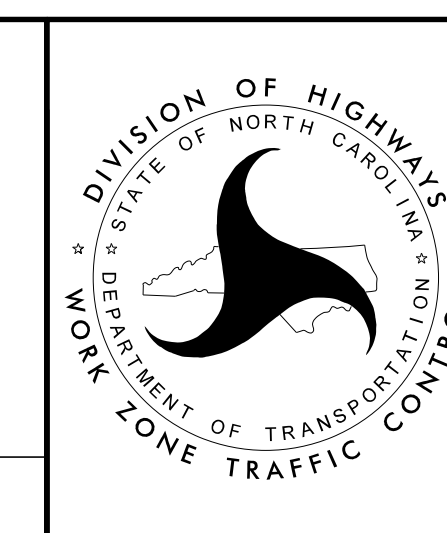
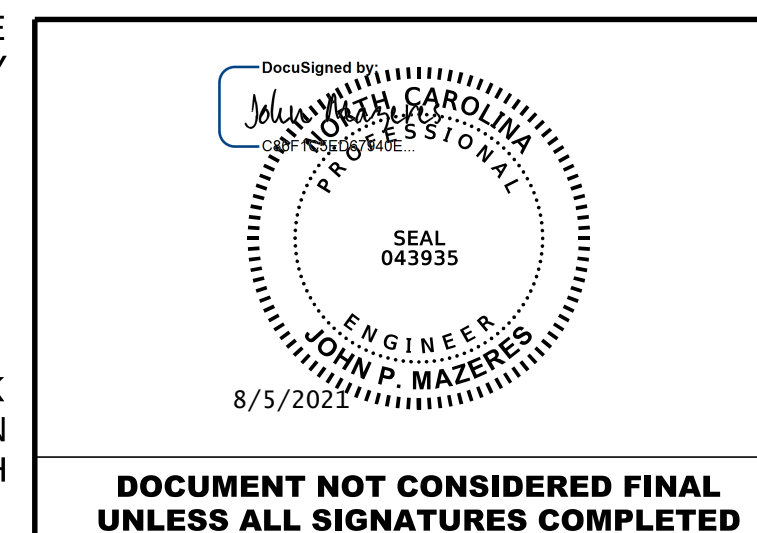
STEP 9: REPEAT STEP 8 UNTIL ALL WORK IS COMPLETE.

LOCATION: C-5 (BRIDGE # 328) NORTHBOUND

STEP 1: USE TMP-42 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO CLOSE  
 LANES L1 AND L2 OF I-277 NB. PERFORM BRIDGE DECK  
 PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS ON  
 I-277 AT LOCATION C-5 (BRIDGE #328). AT THE END OF EACH  
 WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 2: USE TMP-43 AND NCDOT RSD 1101.02 SHEET 8 OF 14 TO CLOSE  
 LANES L2 AND L3 OF I-277 NB. PERFORM BRIDGE DECK  
 PRESERVATION OPERATIONS AS REQUIRED IN BRIDGE PLANS ON  
 I-277 AT LOCATION C-5 (BRIDGE #328). AT THE END OF EACH  
 WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

STEP 3: REPEAT STEPS 1 AND 2 UNTIL ALL WORK IS COMPLETE.



**PHASING NOTES**  
 (1 OF 3)

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

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