

B-5989 MANAGEMENT STRATIGIES

MAINTENANCE OF TRAFFIC FOR THIS PROJECT HAS BEEN DIVIDED INTO THREE PHASES. CONSTRUCT ON -SITE DETOUR AS MUCH AS POSSIBLE AWAY FROM TRAFFIC, ACTIVATE PORTABLE TAFFIC SIGNAL SYSTEM AND SHIFT TRAFFIC TO ON-SITE DETOUR IN ORDER TO CONSTRUCT THE PROPOSED, AND THEN SHIFT TRAFFIC TO FINAL PATTERN TO COMPLETE CONSTRUCTION AND REMOVAL OF THE ON-SITE DETOUR.

DURING PHASE I, WHILE MAINTAINING TRAFFIC ON SR 1395 AND SR 1318, CONSTRUCT TEMPORARY ON-SITE DETOUR.

DURING PHASE II, SET-UP, AND TEST TEMPORARY PORTABLE TRAFFIC SIGNAL SYSTEM. UPON SUCCESSFUL TESTS, INSTALL ADDITIONAL TRAFFIC CONTROL DEVICES ON SR 1395 AND SR 1318 AND ACTIVATE THE TEMPORARY PORTABLE TRAFFIC SIGNAL SYSTEM. SHIFT TRAFFIC ONTO TEMPORARY DETOUR. REMOVE EXISTING BRIDGE AND BEGIN CONSTRUCTION OF NEW BRIDGE, RETAINING WALL AND AS MUCH OF THE FINAL ROADWAY APPROACHES AS POSSIBLE.

DURING PHASE III, USING FLAGGERS COMPLETE ALL REMAINING ROADWAY CONSTRUCTION AND THEN SHIFT TRAFFIC TO THE FINAL PATTERN INCLUDING THE REMOVAL OF THE TEMPORARY ON-SITE DETOUR AND PORTABLE TRAFFIC SIGNAL SYSTEM.

NOTES

COMPLETE ANY PROPOSED PAVEMENT CONSTRUCTION IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE .

THE TERM RSD DENOTES *ROADWAY STANDARD DRAWING*.

THE TERM PTSS DENOTES *PORTABLE TRAFFIC SIGNAL SYSTEM*.

PHASING

PHASE I (SEE TMP-3)

STEP 1:
USING ROADWAY STANDARD DRAWING NO. 1101.01 (SHEET 3 OF 3), INSTALL ALL ADVANCED WORK ZONE WARNING SIGNS ON SR 1395 AND SR 1318.

STEP 2:
AWAY FROM TRAFFIC AND USING RSD 1101.02 (SHEET 1 OF 14) WHERE NEEDED, CONSTRUCT TEMPORARY ON-SITE DETOUR (-DET-), TEMPORARY BRIDGE AND APPROACHES FROM -DET- STA. 12+12 +/- TO STA. 14+90 +/-, INCLUDING DS 0506 AND UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE. SEE SHEET TMP-3.

STEP 3:
USING RSD 1101.02 (SHEET 1 OF 14), CONSTRUCT THE DETOUR TIE-INS FROM -DET- STA. 11+69 +/- TO -DET- STA. 12+12 +/- INCLUDING THE FINAL LAYER OF SURFACE COURSE TO MATCH THE EXISTING EDGE AND ELEVATION OF EXISTING PAVEMENT AND PROPOSED DRAINAGE SYSTEM 0501 TO 0505 AND -DET- PAVEMENT TIE-IN TO -Y-. SEE RDWY SHEETS 4, AND 5 AND TMP-3.

STEP 4:
USING RSD 1101.02 (SHEET 1 OF 14), PLACE TEMPORARY PAVEMENT MARKINGS, TEMPORARY RAISED MARKERS AND ADDITIONAL WORK ZONE SIGNS ON DETOUR (-DET-).

PHASE II (SEE TMP-4)

STEP 1:
USING RSD 1101.02 (SHEET 1 OF 14) AND RSD 1101.02 (SHEET 14 OF 14) SET-UP AND TEST THE PTSS OPERATION OF THE DETOUR.

UPON ACCEPTANCE OF THE PTSS OPERATION, USE RSD 1101.03 (SHEET 3 OF 9) TO PLACE ADDITIONAL BARRICADES AND TRAFFIC CONTROL DEVICES WITHIN THE WORK AREA.

ACTIVATE PTSS AND SHIFT TRAFFIC ONTO DETOUR. SEE TMP-4.

STEP 2:
AWAY FROM TRAFFIC, REMOVE EXISTING BRIDGE, CONSTRUCT NEW BRIDGE AND RETAINING WALL AND CONSTRUCT AS MUCH OF THE FINAL MAINLINE ROADWAY APPROACHES AS POSSIBLE INCLUDING WEDGING FROM -L- STA. 14+25 +/- TO -L- STA. 17+50 +/- AND FROM -Y- STA. 11+25 +/- TO -Y- STA. 13+20 +/- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE LAYER. PROVIDE SMOOTH TRANSITION OF THE FIRST LAYER OF SURFACE COURSE PLACED ON -L- IN ORDER TO TIE IN AND MATCH THE EXISTING PAVEMENT ON -L-. SEE TMP-4.

STEP 3:
WHILE THE PTSS IS IN OPERATION, PLACE TEMPORARY PAVEMENT MARKING ON PROPOSED -L- STA. 14+25 TO -L- STA. 17+50 AND FROM -Y- STA. 11+25 TO -Y- STA. 13+20 +/- . SEE TMP-4.

PHASE III (SEE TMP-5)

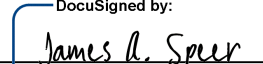


STEP 1:
SHIFT TRAFFIC FROM ALL DETOUR PATTERNS TO -L- AND -Y- AND DEACTIVATE THE PTSS.

STEP 2:
USING RSD 1101.02 (SHEET 1 OF 14) CONSTRUCT THE REMAINING ROADWAY TIE-INS FROM -L- STA. 11+50 +/- TO 14+25 +/- AND APPROX. -L- STA. 17+50 +/- TO -L- STA. 19+50 +/- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE LAYER. SEE TMP-5.

SIMULTANEOUSLY IN STEP II, REMOVE THE PTSS, DETOUR BRIDGE AND DETOUR ROADWAY APPROACHES. SEE TMP-5.

STEP 3:
USING RSD 1101.02 (SHEET 1 OF 14), PLACE THE FINAL LAYER OF SURFACE COURSE AND TEMPORARY PAVEMENT MARKINGS ON PROPOSED -L- STA. 11+50 +/- TO -L- STA. 19+50 +/- AND FROM -Y- STA. 11+25 +/- TO -Y- STA. 13+22 +/- . INSTALL ALL PERMANENT SIGNING IN THIS STEP.

STEP 4:
AT THE APPROPRIATE TIME AFTER ASPHALT HAS CURED OUT, PER NCDOT STD. SPEC. 1205-5, AND AS DIRECTED BY THE ENGINEER, USING RSD 1101.02 (SHEET 1 OF 14) PLACE FINAL PAVEMENT MARKING AND MARKERS ON -L- STA. 11+50 TO -L- STA. 19+50 AND ON -Y- STA. 11+25 TO -Y- STA. 13+22 +/- . TIE PROPOSED PAVEMENT MARKING INTO EXISTING PAVEMENT MARKING.

APPROVED:  DATE: 10/31/2022 SEAL DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			TRANSPORTATION OPERATIONS PLAN
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