

PROJ. REFERENCE NO.	SHEET NO.
B-5980	TMP-03

## PHASE I

**STEP 1)** PRIOR TO ANY CONSTRUCTION ACTIVITY, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADS INVOLVED (I-95, NC 4, NC 48, HALIFAX ROAD (SR 1544) ACCORDING TO THE ROADWAY STANDARD DRAWING 1101.01.

**STEP 2)** WORKING AWAY FROM TRAFFIC, CONSTRUCT ROADWAY AND DRAINAGE FOR ROUNDABOUT 1, RAMP A, B, AND D, -Y1- AND -Y2- (SR 1544 HALIFAX ROAD) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ACCORDING TO THE FOLLOWING STATIONS (SEE OVERVIEW ON TMP-04 AND DETAILS ON TMP-05 THRU TMP-07):

- RAB1- STA. 10+00 +/- TO STA. 13+95 +/-
- Y1- STA. 20+50 +/- TO STA. 41+72 +/- (BEGIN BRIDGE)
- Y1- STA. 44+03 +/- (END BRIDGE) TO STA. 45+00 +/-
- Y2- STA. 10+12 +/- TO STA. 11+12 +/-
- RPA- STA. 27+25 +/- TO STA. 31+49 +/-
- RPB- STA. 16+50 +/- TO STA. 23+66 +/-

AND WORKING AWAY FROM TRAFFIC OR USING RSD 1101.02 (SHT 3 OF 14) FOR TEMPORARY LANE CLOSURES, GRADE RAMP D UP TO EXISTING RAMP SHOULDER ACCORDING TO THE FOLLOWING STATIONS; (SEE TMP-05):

- RPD- STA. 15+90 +/- TO STA. 20+65 +/-

AND WORK BEHIND EXISTING GUARDRAIL FOR TRENCHLESS PIPE INSTALLATION UNDER I-95.

**STEP 3)** WORKING AWAY FROM TRAFFIC OR DURING NIGHT TIME ALLOWABLE LANE CLOSURE HOURS USING RSD 1101.02 (SHEET 4 OF 14) FOR TEMPORARY OUTSIDE LANE CLOSURE OF I-95, CREATE THE MEDIAN GUARDRAIL BREAK (SEE TMP-05A) AND CONSTRUCT THE -Y1- BRIDGE OVER I-95, INCLUDING TEMPORARY SHORING IN MEDIAN, ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-05):

- Y1- STA. 41+72 +/- TO STA. 44+03 +/- (BRIDGE)

### -Y1- GIRDER INSTALLATION OVER NORTHBOUND I-95

WORKING ON CONSECUTIVE NIGHTS DURING ALLOWABLE CLOSURE HOURS, INSTALL GIRDERS OVER NORTHBOUND I-95 (-L1-) AS FOLLOWS:

USE RSD 1101.03 (SHEET 9 OF 9) WITH ROLLING ROADBLOCK FOR TEMPORARY ROAD CLOSURE OF NORTHBOUND I-95 AT -Y1- BRIDGE.

SET ALL -Y1- BRIDGE GIRDERS OVER THE NORTHBOUND LANES OF I-95 (-L1-).

AT THE END OF EACH NIGHT, OPEN NORTHBOUND LANES OF I-95 TO TRAFFIC.

### -Y1- GIRDER INSTALLATION OVER SOUTHBOUND I-95

WORKING ON CONSECUTIVE NIGHTS DURING ALLOWABLE CLOSURE HOURS, INSTALL GIRDERS OVER SOUTHBOUND I-95 (-L2-) AS FOLLOWS:

USE RSD 1101.03 (SHEET 9 OF 9) WITH ROLLING ROADBLOCK FOR TEMPORARY ROAD CLOSURE OF SOUTHBOUND I-95 AT -Y1- BRIDGE.

SET ALL -Y1- BRIDGE GIRDERS OVER THE SOUTHBOUND LANES OF I-95 (-L2-).

AT THE END OF EACH NIGHT, OPEN SOUTHBOUND LANES OF I-95 TO TRAFFIC.

**STEP 4)** USING RSD 1101.02 (SHEETS 1 AND 3 OF 14) WITH FLAGGERS AND POLICE FOR TEMPORARY LANE CLOSURES CONSTRUCT NC 4 (-Y1-) AND NC 48 (-Y3-) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-08):

- Y1- STA. 52+50 +/- TO STA. 54+55 +/- (WEDGING/OVERLAY)
- Y3- STA. 21+28 +/- TO STA. 26+38 +/-

AND INSTALL AND COVER TEMPORARY SIGNAL AT NC 4/NC 48 INTERSECTION.

**STEP 5)** USING RSD 1101.02 (SHEETS 1 AND 3 OF 14) WITH FLAGGERS FOR TEMPORARY LANE CLOSURES AND RSD 1205.01, 1205.02, 1205.04, 1205.05, 1205.08, AND 1205.09 PLACE TEMPORARY PAVEMENT MARKING (PAINT) AND MARKERS (TEMP RAISED) FOR TEMPORARY PATTERN ON NC 4 (-Y1-) AND FINAL PATTERN ON NC 48 (-Y3-) ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-09):

- Y1- STA. 53+32 +/- TO STA. 55+80 +/-
- Y3- STA. 19+97 +/- TO STA. 26+38 +/-

UNCOVER AND ACTIVATE TEMPORARY SIGNAL AND SHIFT TRAFFIC INTO TEMPORARY PATTERN ON NC 4 AND FINAL PATTERN ON NC 48.

**STEP 6)** INSTALL AND COVER OFF-SITE DETOUR SIGNS FOR SR 1544 (HALIFAX ROAD) (SEE TMP-10A).

USING RSD 1101.02 (SHT 1 OF 14) AND FLAGGERS FOR TEMPORARY LANE CLOSURE WITH ALTERNATING TRAFFIC, PLACE 2" LAYER OF SURFACE COURSE ON THE HALIFAX ROAD BRIDGE OVER I-95.

### INTERMEDIATE CONTRACT TIME

COMPLETE THE FOLLOWING WORK OF PHASE I, STEP 7 FOR -Y1- AND -Y2- HALIFAX ROAD IN ACCORDANCE WITH THE INTERMEDIATE CONTRACT TIME OF 14 CONSECUTIVE DAYS (SEE SPECIAL PROVISIONS).

**STEP 7)** PLACE BARRICADES FOR ROAD CLOSURE, UNCOVER DETOUR SIGNS AND SHIFT SR 1544 HALIFAX TRAFFIC ON TO DETOUR (SEE TMP-10A).

CONSTRUCT -Y1- AND -Y2- UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-10):

- Y1- STA. 15+00 +/- TO STA. 20+50 +/-
- Y2- STA. 10+20 +/- TO STA. 13+59 +/-

USING RSD 1205.01, 1205.02, AND 1205.04 PLACE TEMPORARY PAVEMENT MARKING (PAINT) AND MARKERS (TEMP RAISED) ON SR 1544 (-Y1- AND -Y2-) IN THE FINAL PATTERN ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-10 AND PAVEMENT MARKING PLANS):

- Y1- STA. 15+00 +/- TO STA. 38+67 +/- (AT -RAB1-)
- Y2- STA. 11+12 +/- TO STA. 13+59 +/-

REMOVE OFF-SITE BARRICADES AND DETOUR SIGNS AND SHIFT SR 1544 (HALIFAX ROAD) TRAFFIC INTO NEW TEMPORARY PATTERN (SEE TMP-12)

**STEP 8)** PLACE DRUMS TO CLOSE OUTSIDE LANE OF SOUTHBOUND I-95 EXIT RAMP AND MAINTAIN RAMP TRAFFIC IN THE INSIDE RAMP LANE THROUGH THE WORK ZONE.

CONSTRUCT RAMP A UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-11):

- RPA- STA. 23+00 +/- TO STA. 27+25 +/-

USING RSD 1205.01, 1205.03, 1205.14, AND 1250.01, PLACE PAVEMENT MARKING (TEMPORARY PAINT ON ASPHALT OR POLYUREA ON CONCRETE) AND MARKERS (TEMPORARY OR FINAL RAISED) IN FINAL PATTERN ON RAMP A AND ROUNDABOUT 1 ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-11, TMP-12 AND PAVEMENT MARKING PLANS):

- RPA- STA. 10+00 +/- TO STA. 31+48 +/- (FINAL ON CONC)
- RAB1- STA 10+00 +/- TO STA. 13+95 +/- (FINAL)

INSTALL RAMP A DETOUR SIGNS AND BARRICADES ON -RAB1- AND SHIFT RAMP A TRAFFIC ONTO NEW RAMP ALIGNMENT AND DETOUR TO NC 4 AND NC 48 (SEE TMP-12).

**STEP 9)** USE RSD 1101.02 (SHEET 4 OF 14) FOR TEMPORARY LANE CLOSURES OF I-95 UPON COMPLETION OF -Y1- BRIDGE, MAKE ANY NEEDED REPAIRS AT THE I-95 MEDIAN OPENING AND REPLACE MEDIAN GUARDRAIL.

## PHASE II

WORK IN STEPS 1 AND 2 MAY OCCUR INDEPENDENTLY, BUT MUST BE COMPLETED BEFORE STEP 3.

**STEP 1)** WORKING AWAY FROM TRAFFIC, USING RSD 1101.03 (SHEET 8 OF 9) FOR TEMPORARY RAMP CLOSURES OR WITH RAMP C TRAFFIC IN OFF-SITE DETOUR (SEE TMP-17), CONSTRUCT RUNAROUND DETOUR -RPD\_DET- AND -RPC\_DET- UP TO EDGE AND ELEVATION OF EXISTING PAVEMENT ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-13):

- RPC\_DET- STA. 10+88 +/- TO STA. 15+66 +/-
- RPD\_DET- STA. 10+66 +/- TO STA. 13+84 +/-

**STEP 2)** USING RSD 1101.03 (SHEET 8 OF 9) AND FLAGGERS FOR TEMPORARY RAMP CLOSURE, PLACE TEMPORARY PAVEMENT MARKING (PAINT) AND MARKERS (TEMPORARY RAISED) ON THE RUNAROUND DETOURS AND RAMPS ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-14):

- RPC\_DET- STA. 10+00 +/- TO STA. 15+66 +/-
- RPD\_DET- STA. 10+01 +/- TO -Y1- STA. 52+19 +/- LT

AND SHIFT TRAFFIC IN TEMPORARY PATTERN ON RUNAROUND DETOURS.

**STEP 3)** WORKING AWAY FROM TRAFFIC, CONSTRUCT ROUNDABOUT 2 (CONCRETE), RAMP C, RAMP D, AND -Y1- UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-15):

- RAB2- STA. 10+00 +/- TO STA. 13+95 +/-
- Y1- STA. 45+00 +/- TO STA. 50+00 +/-
- RPC- STA. 20+00 +/- TO STA. 21+62 +/-
- RPD- STA. 21+25 +/- TO STA. 21+43 +/-

USING RSD 1101.02 (SHEET 3 OF 14) AND FLAGGERS OR 1101.03 (SHEET 8 OF 9) FOR TEMPORARY LANE CLOSURE, CONSTRUCT OR WEDGE -Y1- UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-15):

- Y1- STA. 50+00 +/- TO STA. 50+74 +/- (WESTBOUND)
- Y1- STA. 48+89 +/- TO STA. 51+76 +/- (EASTBOUND)

USING RSD 1205.01, 1205.02, 1205.04, 1205.05, 1205.08, AND 1205.14 PLACE TEMPORARY PAVEMENT MARKING (PAINT) ON ASPHALT OR FINAL PAVEMENT MARKING (POLYUREA) ON CONCRETE AND MARKERS (TEMPORARY OR PERMANENT RAISED) FOR FINAL PATTERN ON ROUNDABOUTS, RAMP AND BRIDGE AND TEMPORARY OR FINAL PATTERN ON -Y1- ACCORDING TO THE FOLLOWING STATION (SEE TMP-18 AND PAVEMENT MARKING PLANS):

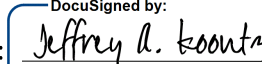


- RAB2- STA. 10+00 +/- TO STA. 13+95 +/- (FINAL ON CONC)
- Y1- STA. 40+28 +/- (AT RAB1) TO STA. 52+20 +/- (FINAL ON CONC)
- RPC- STA. 20+00 TO STA. 21+62 +/- (FINAL ON CONC)

MODIFY TEMPORARY SIGNAL AT NC 4/NC 48 FOR FINAL TRAFFIC PATTERN ON EASTBOUND -Y1- (SEE TMP-18).

REMOVE BARRICADES AND RAB1 AND Y1 AND SHIFT RAMP A TRAFFIC ONTO -Y1- AND BRIDGE ACROSS I-95 AND OPEN SR 1544 (HALIFAX ROAD) TO TWO-LANE, TWO-WAY TRAFFIC BETWEEN RAB1 AND -Y2- (SEE TMP-18 AND TMP-19).

**STEP 4)** INSTALL AND COVER OFF-SITE DETOUR SIGNS FOR RAMP C DETOUR.

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APPROVED:  DATE: 4/15/2020			<h1 style="margin: 0;">PHASING NOTES</h1>
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			