

PHASING

NOTES: - PROJECT IS DIVIDED INTO THREE SEGMENTS. WORK MAY BE PERFORMED SIMULTANEOUSLY IN MULTIPLE SEGMENTS. (SEE SHEET TMP-4 OVERVIEW)
 - 'RSD' REFERS TO NCDOT ROADWAY STANDARD DRAWINGS
 - UNLESS OTHERWISE NOTED, ALL TEMPORARY PAVEMENT MARKINGS WILL BE PAINT.

SEGMENT 1 WORK OCCUPIES PHASE I THROUGH PHASE IV (SEE SHEET TMP-5 OVERVIEW AND LOCAL NOTE 1)

PHASE I
(WORK ZONE "VARIABLE" SPEED LIMIT REDUCTION)
(SEE LOCAL NOTE 2)

COMPLETE THE WORK REQUIRED IN PHASE I, STEP 1 THROUGH PHASE IV, STEP 3 BY AUGUST 15, 2017.

STEP 1

INSTALL ADVANCED WORK ZONE WARNING SIGNS ON I-40 AND ALL RAMP AT FARMINGTON ROAD INTERCHANGE ACCORDING TO RSD 1101.01 (SHEET 1 OF 3). PLACE ADDITIONAL CHANGEABLE MESSAGE SIGNS (CMS) ON I-40 IN ADVANCE OF THE WORK ZONE SIGNS, AS DIRECTED BY THE ENGINEER (SEE LOCAL NOTE 3).

NOTE: PHASE I, STEP 2 AND PHASE I, STEP 3 MAY BE PERFORMED IN ANY ORDER. EXTENDED WEEKDAY LANE CLOSURES MAY BEGIN MONDAY 12:00AM (MIDNIGHT) AND TRAFFIC MUST BE RETURNED TO FOUR-LANE/TWO-WAY PATTERN BY FRIDAY 12:00PM (NOON) (SEE SHEET TMP-2H FOR "VARIABLE" SPEED LIMIT REDUCTION SIGN ARRANGEMENT).

NOTE: RETURN I-40 EASTBOUND TRAFFIC TO TWO-LANE PATTERN BY 12:00 PM (NOON) EACH FRIDAY. REPEAT UNTIL PHASE I, STEP 2 IS COMPLETE (SEE SHEET TMP-6, DETAIL 3).

STEP 2

USING RSD 1101.02 (SHEET 4 OF 15), PLACE I-40 EASTBOUND TRAFFIC IN THE EXISTING MEDIAN LANE AND CLOSE OUTSIDE LANE.

BEHIND LANE CLOSURE, RECONSTRUCT I-40 EASTBOUND OUTSIDE SHOULDER FROM -L2- STA 153+40± TO STA 251+40± (SEE SHEET TMP-6, DETAIL 1). SEE SHEET TMP-7, DETAIL 9 FOR ADDITIONAL WIDTH FULL DEPTH PAVED SHOULDER ALONG RAMP D (SEE LOCAL NOTE 4).

BACKFILL OUTSIDE SHOULDER BY THE END OF EACH DAILY WORK PERIOD (SEE GENERAL NOTES 'K' & 'L').

NOTE: RETURN I-40 TRAFFIC TO FOUR-LANE/TWO-WAY PATTERN BY 12:00 PM (NOON) EACH FRIDAY. REPEAT UNTIL PHASE I, STEP 3 IS COMPLETE.

STEP 3

USING RSD 1101.02 (SHEET 4 OF 15), PLACE I-40 EASTBOUND AND WESTBOUND TRAFFIC IN THE EXISTING OUTSIDE LANES AND CLOSE MEDIAN LANES.

BEHIND LANE CLOSURES, CONSTRUCT MEDIAN CROSSOVERS -XOVER-C-, -XOVER-D-, -XOVER-E- & -XOVER-F- (SEE SHEET TMP-6, DETAIL 2 AND ROADWAY PLANS FOR LOCATIONS)(SEE LOCAL NOTE 5).

STEP 4

INSTALL AND COVER DETOUR SIGNS FOR PHASE II TRAFFIC PATTERN (SEE SHEETS TMP-2B, 2C & 2F).

NOTE: PERFORM PHASE II, STEP 1 THROUGH PHASE IV, STEP 2 USING SPEED LIMIT REDUCTION SIGN ARRANGEMENT ON SHEET TMP-2G.

PHASE II
(WORK ZONE SPEED LIMIT REDUCTION)

STEP 1

USING RSD 1101.02 (SHEETS 4, 9 & 10 OF 15), COMPLETE THE FOLLOWING IN A CONTINUOUS MANNER TO PLACE I-40 TRAFFIC IN A TWO-LANE/TWO-WAY (DIVIDED BY PCB) PATTERN IN THE EASTBOUND LANES (SEE SHEETS TMP-6, DETAIL 4 & TMP-7, DETAIL 9 AND LOCAL NOTES 6 & 7):

- REMOVE CONFLICTING EDGELINE AND PLACE TEMPORARY EDGELINES AND SHIFT EASTBOUND TRAFFIC TO TEMPORARY ONE-LANE PATTERN ON OUTSIDE SHOULDER.
- INSTALL PORTABLE CONCRETE BARRIER (PCB). RELAP EXISTING GUARDRAIL IN THE MEDIAN FOR WESTBOUND TRAFFIC.
- PLACE TEMPORARY EDGELINES ON CROSSOVERS -XOVER-C- AND -XOVER-F-
- USING RSD 1101.03 (SHEET 4 OF 9). SHIFT WESTBOUND TRAFFIC TO TEMPORARY ONE-LANE PATTERN ON CROSSOVERS AND IN EXISTING EASTBOUND MEDIAN LANE. CLOSE WESTBOUND LANES.
- CLOSE WESTBOUND EXIT AND ENTRANCE RAMP AT FARMINGTON ROAD INTERCHANGE. UNCOVER DETOUR SIGNS, INSTALLED IN PHASE I, STEP 4, AND DETOUR RAMP TRAFFIC USING OFFSITE DETOURS (SEE SHEETS TMP-2B & 2C).

STEP 2

AWAY FROM TRAFFIC, COMPLETE THE FOLLOWING FOR I-40 WESTBOUND LANES FROM -L2- STA 153+40± TO STA 251+40± (SEE ROADWAY AND STRUCTURE PLANS) (SEE SHEET TMP-6, DETAIL 4 AND LOCAL NOTES 4, 6 & 7):

- RECONSTRUCT OUTSIDE SHOULDER (STA 153+40± TO STA 251+40±)
- CONSTRUCT 10' PAVED MEDIAN SHOULDER. SEE SHEET TMP-7, DETAIL 8 FOR ADDITIONAL WIDTH FULL DEPTH PAVED SHOULDER ALONG RAMP B.
- REPLACE CONCRETE SLABS
- REHABILITATE BRIDGES #62 AND #75
- RESURFACE PAVEMENT UP TO, BUT NOT INCLUDING, THE FINAL LAYER OF SURFACE COURSE
- REPLACE/INSTALL GUARDRAIL. TEMPORARILY LAP MEDIAN GUARDRAIL FOR EASTBOUND TRAFFIC IN PHASE III.
- PLACE TEMPORARY PAVEMENT MARKINGS FOR PHASE III TWO-LANE/TWO-WAY DIVIDED TRAFFIC PATTERN

STEP 3

INSTALL AND COVER DETOUR SIGNS FOR PHASE III TRAFFIC PATTERN (SEE SHEETS TMP-2D, 2E & 2F).

PHASE III
(WORK ZONE SPEED LIMIT REDUCTION)

STEP 1

USING RSD 1101.02 (SHEET 4 OF 15), MAINTAIN I-40 TRAFFIC IN SINGLE LANE PATTERNS IN EACH DIRECTION AND COMPLETE THE FOLLOWING IN A CONTINUOUS MANNER (SEE SHEETS TMP-6, DETAIL 5 & TMP-7, DETAIL 8):

- SHIFT I-40 WESTBOUND TRAFFIC TO TEMPORARY ONE-LANE PATTERN ON WESTBOUND OUTSIDE SHOULDER AND TIE TEMPORARY MARKINGS TO EXISTING. COVER/REMOVE DETOUR SIGNS, INSTALLED IN PHASE I, STEP 4, AND REOPEN WESTBOUND ENTRANCE AND EXIT RAMP AT FARMINGTON ROAD INTERCHANGE.
- RESET PCB FROM EASTBOUND I-40 SIDE TO WESTBOUND I-40 SIDE.
- PLACE TEMPORARY EDGELINES ON CROSSOVERS -XOVER-D- AND -XOVER-E-
- USING RSD 1101.03 (SHEET 4 OF 9). SHIFT EASTBOUND TRAFFIC TO TEMPORARY ONE-LANE PATTERN ON CROSSOVERS AND IN EXISTING WESTBOUND MEDIAN LANE. CLOSE EASTBOUND LANES.
- CLOSE EASTBOUND EXIT AND ENTRANCE RAMP AT FARMINGTON ROAD INTERCHANGE. UNCOVER DETOUR SIGNS, INSTALLED IN PHASE II, STEP 3, AND DETOUR RAMP TRAFFIC USING OFFSITE DETOURS (SEE SHEETS TMP-2D & 2E).

STEP 2

AWAY FROM TRAFFIC, COMPLETE THE FOLLOWING FOR I-40 EASTBOUND LANES FROM -L2- STA 153+40± TO STA 251+40± (SEE ROADWAY AND STRUCTURE PLANS) (SEE SHEET TMP-6, DETAIL 3 AND SEE LOCAL NOTES 4, 6 & 7):

- CONSTRUCT 10' PAVED MEDIAN SHOULDER
- REPLACE CONCRETE SLABS
- REHABILITATE BRIDGES #61 AND #74
- REPLACE/INSTALL GUARDRAIL
- RESURFACE PAVEMENT UP TO, BUT NOT INCLUDING, THE FINAL LAYER OF SURFACE COURSE.
- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS FOR PHASE IV TRAFFIC PATTERN.

PHASE IV
(WORK ZONE SPEED LIMIT REDUCTION)

NOTE: PHASE IV, STEP 1 AND STEP 2 WORK MAY BE COMBINED WHERE POSSIBLE.

STEP 1

USING RSD 1101.02 (SHEET 4 OF 15), COMPLETE THE FOLLOWING FOR I-40 EASTBOUND TRAFFIC (SEE SHEET TMP-6, DETAIL 6):

- SHIFT I-40 EASTBOUND TRAFFIC TO EASTBOUND LANES AND TIE TEMPORARY MARKINGS TO EXISTING LANE MARKINGS
- OPEN I-40 EASTBOUND LANES TO EXISTING PATTERN
- COVER/REMOVE DETOUR SIGNS, INSTALLED IN PHASE II, STEP 3, AND REOPEN EASTBOUND ENTRANCE AND EXIT RAMP AT FARMINGTON ROAD INTERCHANGE

STEP 2

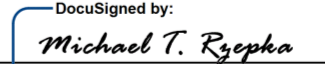
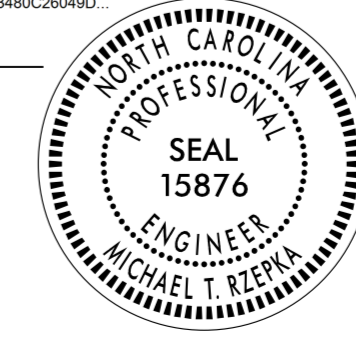
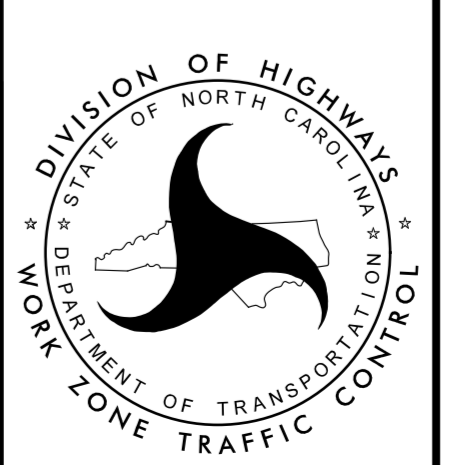
USING RSD 1101.02 (SHEETS 4, 9 & 10 OF 15), COMPLETE THE FOLLOWING FOR I-40 WESTBOUND TRAFFIC (SEE SHEET TMP-6, DETAILS 6 THRU 9 AND LOCAL NOTE 6):

- RELAP MEDIAN GUARDRAIL AND REMOVE PCB
- REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS AND MARKERS IN EXISTING PATTERN IN WESTBOUND LANES
- SHIFT WESTBOUND TRAFFIC TO EXISTING PATTERN.

NOTE: PERFORM PHASE IV, STEP 3 WORK DURING EXTENDED WEEKDAY LANE CLOSURES BEGINNING MONDAY 12:00AM (MIDNIGHT). TRAFFIC MUST BE RETURNED TO FOUR-LANE/TWO-WAY PATTERN BY FRIDAY 12:00PM (NOON) (SEE SHEET TMP-6, DETAIL 9) (SEE SHEET TMP-2H FOR "VARIABLE" SPEED LIMIT REDUCTION SIGN ARRANGEMENT).

STEP 3

USING RSD 1101.02 (SHEET 4 OF 15), REMOVE CROSSOVERS -XOVER-E- & -XOVER-F-. INSTALL/RESET MEDIAN CABLE GUIDERAIL AT CROSSOVER LOCATIONS.

<p>APPROVED:  DATE: 2/16/2017</p> <p></p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<p style="text-align: center; font-size: 2em;">PHASING</p>
--	---	---