PROJ. REFERENCE NO.	SHEET NO.
B-5119	TMP-3A

CONSTRUCTION PHASING

PHASE 4

STEP 1:
WHILE MAINTAINING TRAFFIC ALONG -L-, USING LANE CLOSURES IN ACCORDANCE WITH NCDOT STD. DRAWINGS 1101.02, SHEETS 3 & 8 OF 15 AND SHEETS TMP-12 & TMP-13 AND ALONG RAMP FROM US-29 TO MARTIN LUTHER KING JR. DRIVE, USING LANE CLOSURES IN ACCORDANCE WITH NCDOT STD. DRAWINGS 1101.02, SHEETS 9 OF 15, WORKING IN A CONTINOUS MANNER, COMPLETE THE FOLLOWING IN ORDER:

- REMOVE PORTABLE CONCRETE BARRIERS AND CRASH CUSHIONS UTILIZED IN PHASE 3.
- DRAINAGE STRUCTURES: 406, 407, 408, 409, 501, 502, 504, 507, 508, 509, AND ASSOCIATED PIPE SYSTEMS
- INSTALL ASPHALT WEDGING UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE WHERE REQUIRED ADJACENT TO COMPLETED -RP- CONSTRUCTION IN ORDER TO TIE TO THE PROPOSED PAVEMENT SURFACE TO THE EXISTING PAVEMENT SURFACE. WEDGE AS NECESSARY AND/OR WHERE DIRECTED BY THE ENGINEER, TO PROMOTE POSITIVE DRAINAGE ACROSS THE ROADWAY, PROVIDE SMOOTH TRANSITIONS FROM THE EXISTING SURFACE TO THE NEW PAVEMENT, AND PROVIDE A SMOOTH SURFACE ALONG THE ROADWAY FROM -L- STA. 34+00 TO 39+66 (APPROX.) AS SHOWN ON SHEET TMP-13.
- INSTALL TEMPORARY PAVEMENT MARKINGS AND SIGNING ALONG -RP-, -DET2-, AND -DET3- AND TIE TO EXISTING MARKINGS ON -L- AS SHOWN ON SHEETS TMP-12 & TMP-13.
- SHIFT ALL TRAFFIC TO -RP-, -DET2-, AND -DET3- AND CLOSE -L- TO TRAFFIC FROM STA. 19+29 TO STA. 34+00 AS SHOWN ON SHEETS TMP-12 & TMP-13.
- INSTALL PORTABLE CONCRETE BARRIER AND CRASH CUSHION FROM -DET2- STA. 3+00 TO STA. 6+00 AS SHOWN ON SHEET TMP-12.

STEP 2:
AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF -L- ROADWAY AS SHOWN ON SHEETS TMP-12 AND TMP-13

NOTES
*PHASE 4, STEP 2 MAY BE PERFORMED CONCURRENTLY WITH PHASE 4, STEPS 3 THRU 5.

STEP 3:
INSTALL TEMPORARY DETOUR SIGNS AND COORDINATE WITH ENGINEER TO UTILIZE EXISTING DYNAMIC MESSAGE SIGNS PER SHEET TMP-17 FOR ACCESS FROM -L- TO -Y1-. COVER SIGNS WHEN DETOUR NOT IN USE. USING TEMPORARY NIGHT ROAD CLOSURES AND DETOURS, IN ACCORDANCE WITH SHEET TMP-17:

- REMOVE EXISTING STRUCTURE ALONG -L- THAT IS OVER -Y1-.

THE TEMPORARY NIGHTTIME ROAD CLOSURES OF US 29 SHALL BE IMPLEMENTED IN ACCORDANCE WITH GENERAL NOTE C. REFER TO INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 4:

WHILE MAINTAINING TRAFFIC ALONG -Y1-, USING LANE CLOSURES IN ACCORDANCE WITH NCDOT STD. DRAWINGS 1101.02, SHEETS 9 OF 15 AS NECESSARY, COMPLETE THE FOLLOWING AS SHOWN ON SHEETS TMP-12 & TMP-13:

- REMOVE EXISTING EAST END BENT AND WEST END BENT OF STRUCTURE -L- OVER -Y1-.
- CONSTRUCT BENT #1, BENT #2, END BENT #1 AND END BENT #2 OF PROPOSED STRUCTURE -L- OVER -Y1-.
- CONSTRUCT SPAN A AND C OF PROPOSED STRUCTURE -L- OVER -Y1-.

STEP 5:
IMPLEMENT TEMPORARY DETOUR AND COORDINATE WITH ENGINEER TO UTILIZE EXISTING DYNAMIC MESSAGE SIGNS PER SHEET TMP-17 FOR ACCESS FROM -L- TO -Y1-. COVER SIGNS WHEN DETOUR NOT IN USE. USING TEMPORARY NIGHT ROAD CLOSURES AND DETOURS, IN ACCORDANCE WITH SHEET TMP-17:

- INSTALL GIRDERS FOR SPAN B OF STRUCTURE -L- OVER -Y1-.

THE TEMPORARY NIGHTTIME ROAD CLOSURES OF US 29 SHALL BE IMPLEMENTED IN ACCORDANCE WITH GENERAL NOTE C. REFER TO INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 6:
AWAY FROM TRAFFIC COMPLETE THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE AS SHOWN ON SHEETS TMP-012 & TMP-13:

- PROPOSED -L- ROADWAY AND NEW BRIDGE
- DRAINAGE STRUCTURES: 406, 407, 408, 409, 501, 502, 504, 507, 508, 509, AND ASSOCIATED PIPE SYSTEMS.

PHASE 5

STEP 1:
WHILE MAINTAINING DETOURED TRAFFIC SHIFTED IN PHASE 4 ALONG -RP-, -DET2-, AND -DET3- , USING LANE CLOSURES IN ACCORDANCE WITH NCDOT STD. DRAWINGS 1101.02, SHEETS 6 & 8 OF 15 AND SHEETS TMP-14 & TMP-15 WORKING IN A CONTINOUS MANNER, COMPLETE THE FOLLOWING IN ORDER:

- REMOVE PORTABLE CONCRETE BARRIERS AND CRASH CUSHIONS UTILIZED IN PHASE 4.
- INSTALL REMAINING ASPHALT WEDGING UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE WHERE REQUIRED ADJACENT TO COMPLETED CONSTRUCTION IN ORDER TO TIE TO THE PROPOSED PAVEMENT SURFACE TO THE EXISTING PAVEMENT SURFACE. WEDGE AS NECESSARY AND/OR WHERE DIRECTED BY THE
- ENGINEER, TO PROMOTE POSITIVE DRAINAGE ACROSS THE ROADWAY, PROVIDE SMOOTH TRANSITIONS FROM THE EXISTING SURFACE TO THE NEW PAVEMENT, AND PROVIDE A SMOOTH SURFACE ALONG -L-.
- INSTALL TEMPORARY PAVEMENT MARKINGS ALONG -L-, TIE TO EXISTING PAVEMENT MARKINGS AND SHIFT TRAFFIC ON TO NEW PATTERN AS SHOWN ON SHEETS TMP-14 & TMP-15.

STEP 2:
INSTALL CHANGEABLE MESSAGE SIGN AS SHOWN ON SHEET TMP-16 TWO WEEKS PRIOR TO CLOSING THE RAMP FROM -L- TO MARTIN LUTHER KING JR. DRIVE. INSTALL TEMPORARY DETOUR SIGNS AND CHANGEABLE MESSAGE SIGN PER SHEET TMP-16 FOR ACCESS FROM -L- TO MARTIN LUTHER KING JR. DRIVE. PLACE "EXIT CLOSED" SIGN ACROSS EXISTING SIGNAGE PER MUTCD STANDARDS. COVER SIGNS WHEN DETOUR NOT IN USE.

IMPLEMENT TEMPORARY RAMP CLOSURE FROM -L- TO MARTIN LUTHER KING JR. DRIVE AS SHOWN ON SHEETS TMP-14, TMP-15 AND TMP-16.

STEP 3:
WHILE MAINTAINING TRAFFIC ALONG -L-, USING LANE CLOSURES IN ACCORDANCE WITH NCDOT STD. DRAWINGS 1101.02, SHEET 8 OF 15 INSTALL PORTABLE CONCRETE BARRIER AS SHOWN ON SHEETS TMP-14 & TMP-15.

STEP 4:
WHILE MAINTAINING TRAFFIC ALONG -L- AND RAMP FROM US-29 TO MARTIN LUTHER KING JR. DRIVE, COMPLETE THE FOLLOWING AWAY FROM TRAFFIC:

- REMOVE TEMPORARY PAVEMENT AND OTHER ITEMS ASSOCIATED WITH DETOURS -DET1-, DET-2, AND -DET3- AS SHOWN ON SHEETS TMP-14 & TMP-15
- INSTALL FINAL STEEL BEAM GUARDRAIL ALONG -L- AS SHOWN ON SHEET TMP-14
- INSTALL FINAL PAVEMENT MARKINGS AND FINAL SURFACE COURSE ALONG -RP- AS SHOWN ON THE PAVEMENT MARKING PLANS

STEP 5:
INSTALL TEMPORARY DETOUR SIGNS AND IMPLEMENT TEMPORARY NIGHT ROAD CLOSURE AS SHOWN ON SHEET TMP-19.

- COMPLETE WEDGING AND ASPHALT OVERLAY, INCLUDING THE FINAL SURFACE COURSE, ALONG RAMP FROM US-29 TO MARTIN LUTHER KING JR. DRIVE AND ALONG -RP-

THE TEMPORARY NIGHTTIME ROAD CLOSURE OF RAMP FROM US-29 TO MARTIN LUTHER KING JR. DRIVE SHALL BE IMPLEMENTED IN ACCORDANCE WITH GENERAL NOTE C. REFER TO INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 6:
WHILE MAINTAINING TRAFFIC ALONG -L-, USING LANE CLOSURES IN ACCORDANCE WITH NCDOT STD. DRAWINGS 1101.02, SHEET 8 OF 15, PERFORM THE FOLLOWING IN ORDER:

- REMOVE PORTABLE CONCRETE BARRIERS AND CRASH CUSHIONS INSTALLED IN PHASE 5, STEP 3:
- COMPLETE FINAL SURFACE COURSE AND FINAL PAVEMENT MARKINGS ALONG -RP- AND TIE TO -L- AS SHOWN ON THE PAVEMENT MARKING PLANS.
- REMOVE LANE CLOSURE SETUP ALONG -L- AND OPEN -RP- AND ALL LANES ALONG -L-TO TRAFFIC.
- REMOVE TEMPORARY DETOUR SIGNS INSTALLED IN PHASE 1, STEP 1.

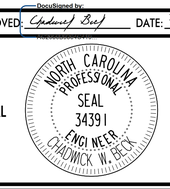
STEP 7:
WHILE MAINTAINING TRAFFIC ALONG -L-, USING LANE CLOSURES IN ACCORDANCE WITH NCDOT STD. DRAWINGS 1101.02, SHEETS 6 & 8 OF 15 PLACE FINAL SURFACE COURSE AND FINAL PAVEMENT MARKINGS ALONG -L- AS SHOWN ON THE PAVEMENT MARKING PLANS.

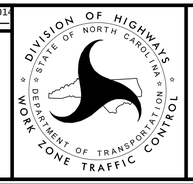
STEP 8:
OPEN ALL LANES, PLACE TRAFFIC IN FINAL PATTERN, AND REMOVE ALL TRAFFIC CONTROL DEVICES.

Kimley»Horn

APPROVED: DocuSigned by: Chadwick Beck DATE: 10/6/2014

SEAL





PHASING

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