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

CONSTRUCTION PHASING

PHASE I

STEP 1:
CONTRACTOR SHALL INSTALL ALL ADVANCE WORK ZONE SIGNS IN ACCORDANCE WITH NCDOT STD. DRAWINGS 1101.01 SHEETS 2 OF 3 ON THE FOLLOWING ROADS:
- I-40/BUSINESS I-85, BOTH DIRECTIONS
- US-29, BOTH DIRECTIONS

IF WORK IS NOT PURSUED WITHIN 3 DAYS OF SIGN INSTALLATION, THE WORK ZONE ADVANCE WARNING SIGNS SHALL BE COVERED OR REMOVED IN A METHOD APPROVED BY ENGINEER. THESE COVERINGS SHALL BE MADE IN ACCORDANCE WITH SECTION 1110 OF THE NCDOT STANDARD SPECIFICATIONS.

COORDINATE WITH ENGINEER TO DISPLAY REQUIRED MESSAGES ON DYNAMIC MESSAGE SIGNS AS DESCRIBED IN NOTES ON SHEET TMP-1C THROUGH ALL PHASES OF WORK.

THE WORK ZONE ADVANCE WARNING SIGNS SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF WORK UNLESS OTHERWISE STATED IN THE PLANS OR AS DIRECTED BY ENGINEER.

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 DETOUR SIGNS WHEN DETOUR NOT IN USE. IMPLEMENT TEMPORARY RAMP CLOSURE FROM -L- TO MARTIN LUTHER KING JR. DRIVE AS SHOWN ON SHEETS TMP-04, TMP-05 AND TMP-16.

STEP 3:
WHILE MAINTAINING TRAFFIC ALONG -L-, USING LANE CLOSURES IN ACCORDANCE WITH NCDOT STD. DRAWINGS 1101.02, SHEETS 8 OF 15, INSTALL PORTABLE CONCRETE BARRIER, CRASH CUSHION, AND TEMPORARY PAVEMENT MARKINGS AS SHOWN ON SHEETS TMP-04 AND TMP-05. COMPLETE ALL WORK ASSOCIATED WITH RELOCATING THE EXISTING CCTV CAMERA AS SHOWN IN THE ITS PLANS.

STEP 4:
WHILE MAINTAINING TRAFFIC ALONG RAMP FROM US-29 SOUTH TO MARTIN LUTHER KING JR. DRIVE, USING LANE CLOSURES IN ACCORDANCE WITH NCDOT STD. DRAWINGS 1101.02, SHEETS 9 OF 15, CONSTRUCT TEMPORARY RAMP DETOUR FROM -DET1- STA. 0+00 TO STA. 4+70 PER SHEETS TMP-04 & TMP-05. INSTALL STEEL BEAM GUARDRAIL AND ANCHOR UNITS FROM -DET1- STA. 1+50 TO STA. 2+28 (APPROX.).

PHASE 2

STEP 1:
WHILE MAINTAINING TRAFFIC ALONG -L-, USING LANE CLOSURES IN ACCORDANCE WITH NCDOT STD. DRAWINGS 1101.02, SHEETS 8 OF 15 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 CONTINOUSLY, COMPLETE AS SHOWN ON SHEETS TMP-06 AND TMP-07 IN THE FOLLOWING ORDER:
- REMOVE PORTABLE CONCRETE BARRIER FROM -L- STA. 20+00 TO 24+50.
- INSTALL TEMPORARY PAVEMENT MARKINGS FROM -DET1- STA. 0+00 TO 4+70.
- INSTALL TEMPORARY RAMP SIGNING AS SHOWN ON SHEETS TMP-06 &TMP-07
- CLOSE -RP- AND OPEN -DET1- TO TRAFFIC.
- COVER TEMPORARY DETOUR SIGNS FOR ACCESS FROM -L- TO MARTIN LUTHER KING JR. DRIVE INSTALLED IN PHASE 1, STEP 2 AND COVER PERMANENT OVERHEAD SIGN AT -RP- STA. 5+30.
- INSTALL PORTABLE CONCRETE BARRIERS AND CRASH CUSHIONS AS SHOWN ON SHEET TMP-07 FROM -L- STA. 32+00 TO STA. 39+70

STEP 2:
AWAY FROM TRAFFIC BEGIN CONSTRUCTION OF PROPOSED -RP- RAMP AS SHOWN ON SHEETS TMP-6 AND TMP-7.
NOTE: PHASE II, STEP 2 MAY BE PERFORMED CONCURRENTLY WITH PHASE II, 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 -RP- 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:
-INSTALL PORTABLE CONCRETE BARRIERS FROM -Y1- STA. 14+50 TO STA. 19+17 LT AND FROM -Y1- STA. 14+90 TO STA. 19+15 RT AS SHOWN ON SHEET TMP-06.
AWAY FROM TRAFFIC, BEHIND BARRIER, COMPLETE THE FOLLOWING:
- REMOVE EXISTING EAST AND WEST END BENTS OF STRUCTURE -RP- OVER -Y1-.
- CONSTRUCT MSE WALLS AND END BENTS OF PROPOSED STRUCTURE -RP- OVER -Y1-.

PHASE 2 (CONT'D)

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 STRUCTURE -RP- 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-06 & TMP-07:
- PROPOSED -RP- RAMP IMPROVEMENTS AND NEW BRIDGE.
- DRAINAGE STRUCTURES: 402, 403, 404, 520, 521, 503, 505, 506, 514, 515, 516, 517 AND ASSOCIATED PIPE SYSTEMS.

PHASE 3

STEP 1:
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-08, TMP-09 AND TMP-16.

STEP 2:
WHILE MAINTAINING TRAFFIC ALONG -L-, USING LANE CLOSURES IN ACCORDANCE WITH NCDOT STD. DRAWINGS 1101.02, SHEET 8 OF 15 INSTALL PORTABLE CONCRETE BARRIERS AND CRASH CUSHIONS FROM -L- STA. 20+00 TO STA. 24+50 AS SHOWN ON SHEET TMP-8.

STEP 3:
AWAY FROM TRAFFIC AND BEHIND BARRIER ALONG -L-, AND WHILE MAINTAINING TRAFFIC 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, CONSTRUCT THE FOLLOWING PER SHEETS TMP-08 & TMP-09:
- TEMPORARY DETOUR FROM -DET2- STA. 3+20 TO STA. 5+80 (APPROX).
- TEMPORARY DETOUR RAMP FROM -DET3- STA. 1+00 TO 5+00 (APPROX).

STEP 4:
WHILE MAINTAINING TRAFFIC ALONG -L-, USING LANE CLOSURES AS SHOWN ON SHEETS TMP-10 & TMP-11, CONSTRUCT THE FOLLOWING:
- TEMPORARY SHOULDER FROM -DET2- STA. 5+79 TO STA. 7+69.

NOTES
* PHASE 3, STEP 4 MAY BE COMPLETED CONCURRENTLY WITH PHASE 3, STEP 3.

Kimley»Horn

APPROVED: DocuSigned by: 707F2CA60FFE4A7... DATE: 12/2/2014

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 34391 ENGINEER CHADWICK W. BECK

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL

PHASING

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12/2/2014