PHASING

USING RSD 1101.02 (SHEET 1 OF 15) AND AWAY FROM TRAFFIC,
CONSTRUCT THE FOLLOWING (SEE LOCAL NOTE 4)(SEE SHEETS TMP-18 THRU TMP-21):

-L- STA 481+00± TO -L- STA 484+00±
-Y1- STA 10+00± TO -Y1- STA 54+00±
-Y1LPA- STA 20+40± TO -Y1LPA- STA 21+65±
-Y1RPA- STA 29+50± TO -Y1RPA- STA 30+90±
-Y1LPD- STA 20+80± TO -Y1LPD- STA 22+20±
-Y1RPD- STA 31+55± TO -Y1RPD- STA 32+80±
-Y7- STA 10+00± TO -Y7- STA 13+95±
-DR1- STA 10+00± TO -DR1- STA 11+03±

AREA 2

COMPLETE CONSTRUCTION OF THE FOLLOWING:

-L- STRUCTURE PROPOSED BENTS (INCLUDING SINGLE-FACED BARRIERS), MSE WALL, SLOPE PROTECTION AND GUARDRAIL ALONG -Y2A- AND -Y3-
-Y2A- STA 17+30± TO -Y2A- STA 19+30± REMAINING RIGHT SHOULDER
-Y3- STA 21+00± TO -Y3- STA 24+30± REMAINING LEFT SHOULDER

CONTINUE REMAINING CONSTRUCTION BEGUN IN PHASE I.

AREA 3

NOTE: - AREA 3, PHASE II, STEP 3 CAN BE PERFORMED SIMULTANEOUSLY WITH AREA 3, PHASE II, STEP 1 AND STEP 2.
- SEE LOCAL NOTES 1 & 2 FOR WORK PERFORMED IN AREA 3.

STEP 1

USING RSD 1101.02 (SHEET 1 OF 15), PAVE -Y5DET- TIES TO EXISTING HASTINGS HILL ROAD, PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AND SHIFT TRAFFIC TO -Y5DET- (SEE SHEETS TMP-28 & TMP-29).

STEP 2

USING RSD 1101.02 (SHEET 1 OF 15) AND AWAY FROM TRAFFIC,
CONSTRUCT THE FOLLOWING (SEE SHEETS TMP-28 THRU TMP-29):

-L- STA 652+15± TO -L- STA 653+75±
-Y4CD- STA 56+40± TO -Y4CD- STA 58+00±
-Y4RPC- STA 15+75± TO -Y4RPC- STA 16+90±
-Y4RPD- STA 23+10± TO -Y4RPD- STA 24+80±
-Y5- STA 16+00± TO -Y5- STA 33+30±

COMPLETE THE WORK REQUIRED IN AREA 3, PHASE II, STEP 3 IN ONE HUNDRED EIGHTY (180) CONSECUTIVE CALENDAR DAYS (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).

STEP 3

USING RSD 1101.02 (SHEET 4 OF 15), PERFORM THE FOLLOWING
(SEE SHEETS TMP-22 THRU TMP-27):

- REMOVE CONFLICTING PAVEMENT MARKINGS AND MARKERS AND PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON EB -Y4- FROM STA 24+50± TO STA 149+00± AND ON WB -Y4- FROM STA 24+50± TO -Y4- STA 145+50± (SEE LOCAL NOTE 5)
- SHIFT TRAFFIC TO PHASE II TEMPORARY TRAFFIC PATTERN ON EB & WB -Y4-
- INSTALL PCB AND ANCHORED PCB FROM EB -Y4- STA 25+50± TO STA 149+50± AND FROM WB -Y4- STA 24+00± TO STA 143+50±

USING RSD 1101.02 (SHEET 4 OF 15) AND BEHIND BARRIER, CONSTRUCT OUTSIDE WIDENING UP TO EDGE AND ELEVATION OF EXISTING TRAVEL LANE AT THE FOLLOWING LOCATIONS (SEE SHEETS TMP-22 THRU TMP-27):

EB -Y4- STA 26+80± TO STA 143+00±
WB -Y4- STA 26+80± TO STA 148+00±

BEHIND BARRIER, PERFORM THE FOLLOWING FOR PHASE III TEMPORARY TRAFFIC PATTERN ON -Y4- (SEE SHEETS TMP-35 THRU TMP-42):

- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AS MUCH AS POSSIBLE FOR PHASE III TEMPORARY PATTERN
- INSTALL PCB ALONG OUTSIDE OF PHASE III TEMPORARY TRAFFIC PATTERN:
  EB -Y4- STA 89+00± TO STA 100+60±
  WB -Y4- STA 86+40± TO STA 99+50±

USING RSD 1101.02 (SHEET 4 OF 15), PERFORM THE FOLLOWING
(SEE SHEETS TMP-35 THRU TMP-42):

- REMOVE PHASE II PCB AND ANCHORED PCB ON EB & WB -Y4-.
- REMOVE CONFLICTING PAVEMENT MARKINGS AND MARKERS AND PLACE REMAINING TEMPORARY PAVEMENT MARKINGS AND MARKERS ON EB -Y4- FROM STA 24+50± TO STA 149+00± AND ON WB -Y4- FROM STA 24+50± TO -Y4- STA 145+50± AND TIE TO EXISTING (SEE LOCAL NOTE 5)
- SHIFT TRAFFIC TO PHASE III TEMPORARY TRAFFIC PATTERN ON EB & WB -Y4-

COMPLETE CONSTRUCTION OF -Y6- BEGUN IN PHASE I.

PHASE III

AREA 1

STEP 1

USING RSD 1101.02 (SHEET 1 OF 15), PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS, SHIFT TRAFFIC ONTO -Y1- (TEMPORARY PATTERN) FROM -Y1DET-, AND OPEN -Y7- ACCESS TO -Y1- (SEE SHEETS TMP-31 THRU TMP-33). REMOVE -Y7- DETOUR SIGNS.

USING RSD 01.02 (SHEET 1 OF 15) AND AWAY FROM TRAFFIC,
CONSTRUCT THE FOLLOWING (SEE SHEETS TMP-31 THRU TMP-33):

-L- STA 484+00± TO -L- STA 486+00±
-Y1LPA- STA 10+00± TO -Y1LPA- STA 12+31±
-Y1LPA- STA 19+50± TO -Y1LPA- STA 20+40±
-Y1RPA- STA 28+60± TO -Y1RPA- STA 29+50±
-Y1LPD- STA 11+00± TO -Y1LPD- STA 13+25±
-Y1LPD- STA 19+75± TO -Y1LPD- STA 20+80±
-Y1RPD- STA 30+50± TO -Y1RPD- STA 31+55±

USING RSD 1101.02 (SHEET 1 OF 15), REMOVE -Y1DET- PAVEMENT AND EXISTING OLD BELEWS CREEK ROAD PAVEMENT AT US 158.

COMPLETE CONSTRUCTION OF REMAINING ITEMS BEGUN IN PHASE I.

STEP 2

USING RSD 1101.02 (SHEET 1 OF 15), COMPLETE THE FINAL LAYER OF SURFACE COURSE ON-Y1-, -Y7- AND -Y9-. INSTALL FINAL PAVEMENT MARKINGS AND MARKERS PER FINAL SIGNING AND DELINEATION PLANS, AND OPEN -Y1- TO PROPOSED TRAFFIC PATTERN.

USING RSD 1101.02 (SHEET 1 OF 15), COMPLETE THE FINAL LAYER OF SURFACE COURSE, INSTALL FINAL PAVEMENT MARKINGS AND MARKERS PER FINAL SIGNING AND DELINEATION PLANS ON -Y1RPA- AND -Y1RPD-.

STEP 3

UPON COMPLETION OF PROPOSED -L- RAMPS AND LOOPS BETWEEN US 158 AND BUS I-40/ US 421, INSTALL FINAL PAVEMENT MARKINGS AND MARKERS PER FINAL SIGNING AND DELINEATION PLANS, AND OPEN -L- EAST OF US 158 TO PROPOSED PATTERN. -Y1LPA- AND -Y1LPD- TO REMAIN CLOSED (SEE SHEET TMP-45)(SEE LOCAL NOTE 9).

AREA 2

STEP 1

USING RSD 1101.02 (SHEET 1 OF 15), PERFORM THE FOLLOWING (SEE SHEET TMP-34):

- REMOVE ALL PCB ALONG -Y2A- AND -Y3-
- CONSTRUCT SHOULDER WIDENING ALONG -Y2A- STA 17+30± TO STA 19+30± LEFT AND -Y3- STA 21+70± TO STA 23+75± RIGHT

COMPLETE REMAINING CONSTRUCTION BEGUN IN PHASE I.

STEP 2

USING RSD 1101.02 (SHEET 1 OF 15), WEDGE UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE ON -Y2A- AND -Y3-. INSTALL FINAL PAVEMENT MARKINGS AND MARKERS PER FINAL SIGNING AND DELINEATION PLANS ON -Y2A- AND -Y3-.

STEP 3

UPON COMPLETION OF PROPOSED -L- RAMPS AND LOOPS BETWEEN US 158 AND BUS I-40/US 421, INSTALL FINAL PAVEMENT MARKINGS AND MARKERS PER FINAL SIGNING AND DELINEATION PLANS, AND OPEN -L- TO PROPOSED TRAFFIC PATTERN (SEE SHEET TMP-45)(SEE LOCAL NOTE 9).

AREA 3

NOTE: SEE LOCAL NOTES 1 & 2 FOR WORK PERFORMED IN AREA 3.

STEP 1

USING RSD 1101.02 (SHEET 1 OF 15), PAVE -Y5- TIES TO EXISTING HASTINGS HILL ROAD, PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AND SHIFT TRAFFIC TO -Y5- (SEE SHEETS TMP-43 & TMP-44).

PLACE TEMPORARY MARKINGS AND MARKERS AND OPEN -Y6- TO TRAFFIC. REMOVE OFFSITE DETOUR SIGNS AND DEVICES (SEE SHEETS TMP-36 & 37).

STEP 2

AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE SHEETS TMP-43 & TMP-44):

-L- STA 650+50± TO -L- STA 652+15±
-Y4CD- STA 54+75± TO -Y4CD- STA 56+40±
-Y4RPC- STA 16+90± TO -Y4RPC- STA 18+30±
-Y4RPD- STA 24+80± TO -Y4RPD- STA 26+05±

USING RSD 1101.02 (SHEET 1 OF 15) AND AWAY FROM TRAFFIC,
REMOVE THE -Y5DET- PAVEMENT.

NOTE: - AREA 3, PHASE III, STEP 3 CAN BE PERFORMED SIMULTANEOUSLY WITH AREA 3, PHASE III, STEP 1 AND STEP 2.

COMPLETE THE WORK REQUIRED IN AREA 3, PHASE III, STEP 3 IN NINETY (90) CONSECUTIVE CALENDAR DAYS (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).

STEP 3

USING RSD 1101.02 (SHEET 4 OF 15) AND BEHIND BARRIER, COMPLETE THE FOLLOWING (SEE SHEETS TMP-38 & TMP-39):

- INSTALL PCB ALONG MEDIAN LANE FROM EB -Y4- STA 88+00± TO STA 102+00± AND FROM WB -Y4- STA 86+00± TO STA 100+00±
- INSTALL TEMPORARY SHORING 3, 4, 5, 6, 7 & 8 AT BENT LOCATIONS IN THE MEDIAN OF -Y4-
- CONSTRUCT BUS I-40/US 421 MEDIAN BENTS FOR STRUCTURES ON -L-, -Y4RPBD- AND -Y4CD-

STEP 4

BEHIND BARRIER, CONSTRUCT THE FOLLOWING (SEE SHEET TMP-38)(SEE GENERAL NOTE 'C' AND LOCAL NOTE 6 FOR GIRDER INSTALLATION OVER BUS I-40/US 421):

-L- STA 641+70± TO STA 643+85± (STRUCTURES)
-Y4RPBD- STA 42+80± TO STA 45+62± (STRUCTURE)
-Y4CD- STA 45+75± TO STA 48+95± (STRUCTURE)

COMPLETE CONSTRUCTION BEGUN IN PHASE I.

COMPLETE RELOCATION OF ITS SYSTEM ALONG BUS I-40/US 421 BEGUN IN PHASE I.

STEP 5

USING RSD 1101.02 (SHEET 1 OF 15), COMPLETE THE FINAL LAYER OF SURFACE COURSE, INSTALL FINAL PAVEMENT MARKINGS AND MARKERS PER FINAL SIGNING AND DELINEATION PLANS ON -Y5- AND -Y6-.

USING RSD 1101.02 (SHEET 4 OF 15), PERFORM THE FOLLOWING:

- REMOVE PHASE III PCB FROM EB & WB -Y4- (MAINTAIN TRAFFIC IN CURRENT PATTERN)
- WEDGE UP TO, BUT NOT INCLUDING, THE FINAL LAYER OF SURFACE COURSE EB & WB -Y4- FROM -Y4- STA 26+80± TO STA 143+00±
- CONSTRUCT PROPOSED MEDIAN WORK (GUARDRAIL AND GRADING) ON -Y4- FROM -Y4- STA 26+80± TO STA 143+00± (SEE SHEETS TMP-35 THRU TMP-42)

USING RSD 1101.02 (SHEET 4 OF 15), COMPLETE THE FINAL LAYER OF SURFACE COURSE, INSTALL FINAL PAVEMENT MARKINGS AND MARKERS PER FINAL SIGNING AND DELINEATION PLANS ON -Y4-, -Y4RPA-, -Y4RPB-, -Y4RPBD-, -Y4LPA- & -Y4LPD-. INSTALL PROPOSED RUMBLE STRIPS ON -Y4-.

STEP 6

UPON COMPLETION OF PROPOSED -L- RAMPS AND LOOPS BETWEEN US 158 AND BUS I-40/ US 421, COMPLETE THE FINAL LAYER OF SURFACE COURSE, INSTALL FINAL PAVEMENT MARKINGS AND MARKERS PER FINAL SIGNING AND DELINEATION PLANS, AND OPEN -L- NORTH OF BUS I-40/US 421 TO PROPOSED TRAFFIC PATTERN -Y4RPC-, -Y4RPD-, -Y4LPB- & -Y4CD- TO REMAIN CLOSED (SEE SHEET TMP-45)(SEE LOCAL NOTE 9).

ICA Engineering
4121 Kingsdown Way, Suite 100
Raleigh, NC 27607
NC License No: F-1024

PROJ. REFERENCE NO.	SHEET NO.
U-2579B	TMP-3A

APPROVED: DocuSigned by: Michael T Rzepka DATE: 7/16/2014
A5B7390378742...

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 15876 ENGINEER MICHAEL T. RZEPKA

PHASING

SCALE:	NONE
DATE:	JUL 2014
DWG. BY:	YTM
DESIGN BY:	ACP
REVIEWED BY:	MTR

DIVISION OF HIGHWAYS STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM PROJECT DEVELOPMENT & ENVIRONMENTAL ANALYSIS TRAFFIC CONTROL

REVISIONS

CADD FILE

P:\TRAFF\Cu-2579b\tmp\u2579b_tmp_phasfrgl.dgn
7/16/2014 3:20:44 PM