PHASING

NOTES: -PROJECT IS DIVIDED INTO THE FOLLOWING AREAS. EACH AREA CAN BE WORKED ON INDEPENDENTLY FROM THE OTHER TWO AREAS UNLESS OTHERWISE NOTED.
-'RSD' REFERS TO NCDOT ROADWAY STANDARD DRAWINGS
-ALL PROPOSED ASPHALT ROADWAY CONSTRUCTION IS UP TO, BUT NOT INCLUDING, THE FINAL LAYER OF SURFACE COURSE UNLESS OTHERWISE NOTED.

AREA 1

-L-	STA 478+00	TO	-L-	STA 511+00±
-Y1-	STA 10+00	TO	-Y1-	STA 54+00
-Y1DET-	STA 10+65	TO	-Y1DET-	STA 49+80
-Y1LPA-	STA 10+00	TO	-Y1LPA-	STA 22+03
-Y1RPA-	STA 10+00	TO	-Y1RPA-	STA 31+29
-Y1LPD-	STA 10+00	TO	-Y1LPD-	STA 22+60
-Y1RPD-	STA 10+00	TO	-Y1RPD-	STA 33+20
-Y7-	STA 10+00	TO	-Y7-	STA 13+94
-Y9-	STA 10+00	TO	-Y9-	STA 13+00
-DR1-	STA 10+00	TO	-DR1-	STA 11+03

AREA 2

-L-	STA 511+00±	TO	-L-	STA 605+00±
-Y2-	STA 10+00	TO	-Y2-	STA 29+75
-DR5-	STA 10+00	TO	-DR5-	STA 23+00
-Y2A-	STA 16+00	TO	-Y2A-	STA 22+00
-Y3-	STA 18+25	TO	-Y3-	STA 26+25

AREA 3

-L-	STA 605+00±	TO	-L-	STA 692+33
-Y4EB-	STA 26+80	TO	-Y4EB-	STA 148+00
-Y4WB-	STA 26+80	TO	-Y4WB-	STA 148+00
-Y4LPA-	STA 10+00	TO	-Y4LPA-	STA 24+20
-Y4LPB-	STA 10+00	TO	-Y4LPB-	STA 24+68
-Y4LPD-	STA 10+00	TO	-Y4LPD-	STA 24+75
-Y4RPA-	STA 10+00	TO	-Y4RPA-	STA 36+24
-Y4RPB-	STA 10+00	TO	-Y4RPB-	STA 32+80
-Y4RPC-	STA 10+00	TO	-Y4RPC-	STA 40+03
-Y4RPD-	STA 10+00	TO	-Y4RPD-	STA 29+56
-Y4RPBD-	STA 10+00	TO	-Y4RPBD-	STA 81+62
-Y5-	STA 10+00	TO	-Y5-	STA 33+30
-Y6-	STA 17+25	TO	-Y6-	STA 38+30
-Y8-	STA 10+00	TO	-Y8-	STA 10+77
-Y5DET-	STA 10+00	TO	-Y5DET-	STA 32+33

PHASE I

AREA 1

STEP 1

INSTALL ALL ADVANCE WORK ZONE WARNING SIGNS ON US 158, OLD BELEWS CREEK ROAD AND ESTHER LANE ACCORDING TO RSD 1101.01 (SHEET 3 OF 3).

STEP 2

USING RSD 1101.02 (SHEET 1 OF 15) AND AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING PROPOSED (SEE SHEET TMP-4 THRU TMP-7):

-L-	STA 478+00	TO	-L-	STA 481+00±
-L-	STA 486+00±	TO	-L-	STA 511+00±
-Y1DET-	STA 10+65±	TO	-Y1DET-	STA 49+80±
-Y1LPA-	STA 12+31±	TO	-Y1LPA-	STA 19+50±
-Y1RPA-	STA 14+53±	TO	-Y1RPA	STA 28+60±
-Y1LPD-	STA 12+31±	TO	-Y1LPD-	STA 19+75±
-Y1RPD-	STA 14+53±	TO	-Y1RPD-	STA 30+50±
-Y9-	STA 10+00±	TO	-Y9-	STA 13+00±

INSTALL DETOUR SIGNS FOR -Y7- DETOUR AND COVER (SEE SHEET TMP-2G).

AREA 2

STEP 1

INSTALL ALL ADVANCE WORK ZONE WARNING SIGNS ON PISGAH CHURCH ROAD, WEST MOUNTAIN ROAD AND WALKERTOWN-GUTHRIE ROAD ACCORDING TO RSD 1101.01 (SHEET 3 OF 3).

STEP 2

USING RSD 1101.02 (SHEET 1 OF 15) AND AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING (SEE SHEET TMP-4 AND TMP-8):

-L-	STA 511+00±	TO	-L-	STA 515+00±
-L-	STA 518+00±	TO	-L-	STA 582+60±
-L-	STA 585+90±	TO	-L-	STA 595+80±
-L-	STA 596+75±	TO	-L-	STA 605+00±
-DR5-	STA 10+00±	TO	-DR5-	STA 23+00±

USING RSD 1101.02 (SHEET 1 OF 15), CONSTRUCT SHOULDER WIDENING ON -Y2A- UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT AT THE FOLLOWING LOCATIONS (SEE SHEET TMP-8):

-Y2A- STA 16+00± TO -Y2A- STA 17+30± RT & LT, FULL WIDTH
-Y2A- STA 19+30± TO -Y2A- STA 22+00± RT & LT, FULL WIDTH
-Y2A- STA 17+30± TO -Y2A- STA 19+30± RT, MINIMUM 8' WIDTH

USING RSD 1101.02 (SHEET 1 OF 15), CONSTRUCT 4' SHOULDER WIDENING ON -Y3- UP TO THE EDGE AND ELEVATION THEN INSTALL PCB. BEHIND BARRIER AND USING RSD 1101.02 (SHEET 1 OF 15), CONTINUE WIDENING AT THE FOLLOWING LOCATIONS (SEE SHEET TMP-8):

-Y3- STA 18+25± TO -Y3- STA 21+00± LEFT, FULL WIDTH
-Y3- STA 21+00± TO -Y3- STA 24+30± LEFT, MINIMUM 20' WIDTH
-Y3- STA 24+30± TO -Y3- STA 26+25± LEFT, FULL WIDTH

INSTALL DETOUR SIGNS FOR -Y2- DETOUR AND COVER. INSTALL AND ACTIVATE CMS BOARDS 14 DAYS BEFORE CLOSING WALKERTOWN-GUTHRIE ROAD (-Y2-). (SEE SHEET TMP-2E)(SEE LOCAL NOTE 8).

STEP 2A

USING RSD 1101.02 (SHEET 1 OF 15), COMPLETE THE FOLLOWING ON -Y3- (SEE SHEETS TMP-8A):

- REMOVE PCB FROM PHASE I, STEP 2
- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AND SHIFT TRAFFIC TO -Y3TEMP- PATTERN
- INSTALL PCB ALONG -Y3TEMP- FROM STA 10+70± TO STA 16+50±

BEHIND BARRIER AND USING RSD 1101.02 (SHEET 1 OF 15), COMPLETE THE FOLLOWING (SEE SHEET TMP-8A):

- RELOCATE PROPOSED WATERLINE
- CONSTRUCT WIDENING UP TO EDGE AND ELEVATION OF EXISTING PAVEMENT AT THE FOLLOWING LOCATIONS:
  -Y3- STA 18+25± TO STA 21+70± RIGHT
  -Y3- STA 23+75± TO STA 26+25± RIGHT

BEHIND BARRIER, MAY BEGIN INSTALLATION OF TEMPORARY SHORING 2 ALONG -Y3- (AFTER INSTALLATION OF PROPOSED WATERLINE).

NOTE: AREA 2, STEPS 3 & 4 MAY BE PERFORMED SIMULTANEOUSLY.
AREA 2, STEPS 2A & 3 MAY BE PERFORMED SIMULTANEOUSLY.

COMPLETE THE WORK REQUIRED IN AREA 2, PHASE I, STEP 3 IN TWO HUNDRED FORTY (240) CONSECUTIVE CALENDAR DAYS (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).

STEP 3

UNCOVER OFFSITE DETOUR SIGNS INSTALLED IN STEP 2 (SEE SHEET TMP-2E). USING RSD 1101.03 (SHEET 1 OF 9), CLOSE -Y2- FROM -Y2- STA 10+00± TO -Y2- STA 29+75± (SEE SHEET TMP-4).

AWAY FROM TRAFFIC, PERFORM THE FOLLOWING:

CONSTRUCT -Y2- INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -Y2- STA 10+00± TO -Y2- STA 29+75±.

BEGIN CONSTRCTION OF -L- FROM -L- STA 515+00± TO STA 518+00± (SEE SHEETS TMP-4).

PLACE PERMANENT MARKINGS AND MARKERS PER FINAL SIGNING AND DELINEATION PLANS AND OPEN -Y2- TO TRAFFIC. REMOVE OFFSITE DETOUR, SIGNS AND DEVICES.

STEP 4

USING RSD 1101.02 (SHEET 1 OF 15), COMPLETE THE FOLLOWING (SEE SHEET TMP-9):

- RESET PCB FROM PHASE I, STEP 2A ALONG -Y3- FROM STA STA 19+75± TO STA 25+00± RIGHT.
- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AND SHIFT -Y3- TRAFFIC TO TEMPORARY PATTERN.
- INSTALL PCB FROM -Y3- STA 20+20± TO STA 25+50± LEFT

USING RSD 1101.02 (SHEET 1 OF 15), COMPLETE THE FOLLOWING (SEE SHEET TMP-9):

- INSTALL PCB ON -Y2A- FROM STA 16+30± TO STA 20+50± RIGHT
- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AND SHIFT -Y2A- TRAFFIC TO TEMPORARY PATTERN.
- INSTALL PCB FROM -Y2A- STA 16+50± TO STA 20+35± LEFT

BEHIND BARRIER AND USING RSD 1101.02 (SHEET 1 OF 15), INSTALL TEMPORARY SHORING ⟨1⟩ & ⟨2⟩ ALONG -Y2A- AND -Y3- (SEE SHEET TMP-9). BEHIND BARRIER, BEGIN CONSTRUCTION OF THE FOLLOWING (SEE SHEET TMP-9):

-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

BEHIND BARRIER, BEGIN CONSTRUCTION OF -L- STA 582+60± TO STA 585+90± (STURCTURES)(SEE SHEET TMP-9)(SEE GENERAL NOTE 'C' AND LOCAL NOTE 3 FOR GIRDER INSTALLATION OVER PISGAH CHURCH RD., WEST MOUNTAIN RD. AND NORFOLK SOUTHERN RR)(SEE LOCAL NOTES 3 & 7)(SEE SHEET TMP-2F).

OPEN -DR5- AND CLOSE EXISTING ACCESS. AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF -L- STA 595+80± TO -L- STA 596+75± (SEE SHEET TMP-9).

AREA 3

STEP 1

INSTALL ALL ADVANCE WORK ZONE WARNING SIGNS ON BUS I-40/US 421, HASTINGS HILL ROAD, GERRY DRIVE & DOE RUN DRIVE ACCORDING TO RSD 1101.01 (SHEETS 1 & 3 OF 3).

INSTALL ALTERNATE ROUTE SIGNS AND PORTABLE CHANGEABLE MESSAGE SIGNS FOR BUS I-40/US 421 AS SHOWN ON SHEET TMP-2B (SEE LOCAL NOTE 1).

NOTES: - AREA 3, PHASE I, STEP 2 CAN BE PERFORMED SIMULTANEOUSLY WITH AREA 3, PHASE I, STEP 3 & STEP 4.
- AREA 3, PHASE I, STEP 3 & STEP 4 CAN BE PERFORMED IN ANY ORDER.
- SEE LOCAL NOTES 1 & 2 FOR WORK PERFORMED IN AREA 3.

STEP 2

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING (SEE SHEET TMP-4 AND TMP-12 THRU TMP-14):

-L-	STA 605+00±	TO	-L-	STA 641+70±
-L-	STA 643+85±	TO	-L-	STA 650+50±
-L-	STA 653+75±	TO	-L-	STA 692+33±
-Y4CD-	STA 10+00±	TO	-Y4CD-	STA 45+75±
-Y4CD-	STA 48+95±	TO	-Y4CD-	STA 54+75±
-Y4CD-	STA 58+00±	TO	-Y4CD-	STA 95+98±
-Y4LPA-	STA 12+44±	TO	-Y4LPA-	STA 21+98±
-Y4RPA-	STA 13+73±	TO	-Y4RPA-	STA 36+24±
-Y4LPB-	STA 12+27±	TO	-Y4LPB-	STA 22+20±
-Y4RPB-	STA 13+78±	TO	-Y4RPB-	STA 28+66±
-Y4RPC-	STA 13+88±	TO	-Y4RPC-	STA 15+75±
-Y4RPC-	STA 18+30±	TO	-Y4RPC-	STA 35+56±
-Y4LPD-	STA 12+19±	TO	-Y4LPD-	STA 22+66±
-Y4RPD-	STA 13+97±	TO	-Y4RPD-	STA 23+10±
-Y4RPD-	STA 26+05±	TO	-Y4RPD-	STA 29+56±
-Y4RPBD-	STA 15+65±	TO	-Y4RPBD-	STA 42+80±
-Y4RPBD-	STA 45+62±	TO	-Y4RPBD-	STA 81+62±

AWAY FROM TRAFFIC, CONSTRUCT -Y5DET- FROM STA 10+33± TO STA 32+33± (SEE SHEETS TMP-16 & TMP-17).

USING RSD 1101.03 (SHEET 1 OF 9) AND SHEET TMP-2G, CLOSE EXISTING GERRY DRIVE FROM -Y6- STA 17+00± TO DOE RUN DRIVE. AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF PROPOSED -Y6- FROM STA 17+25± TO STA 38+30± (SEE SHEETS TMP-11 & 12)(SEE LOCAL NOTE 4).

AWAY FROM TRAFFIC AND USING RSD 1101.02 (SHEET 4 OF 15), BEGIN RELOCATION OF ITS SYSTEM ALONG BUS I-40/US 421.

COMPLETE THE WORK REQUIRED IN AREA 3, PHASE I, STEP 3 IN EIGHT (8) CONSECUTIVE WEEKENDS FROM FRIDAY 8:00PM TO MONDAY 6:00AM EACH WEEKEND. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).

STEP 3

USING RSD 1101.02 (SHEET 4 OF 15), CLOSE WB BUS I-40/US421 INSIDE LANE AND CONSTRUCT MEDIAN WIDENING (5') UP TO EDGE AND ELEVATION OF EXISTING TRAVEL LANE FROM -Y4- STA 24+50± TO -Y4- STA 145+50± (SEE SHEETS TMP-10 THRU TMP-15).

COMPLETE THE WORK REQUIRED IN AREA 3, PHASE I, STEP 4 IN EIGHT (8) CONSECUTIVE WEEKENDS FROM FRIDAY 8:00PM TO MONDAY 6:00AM EACH WEEKEND. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).

STEP 4

USING RSD 1101.02 (SHEET 4 OF 15), CLOSE EB BUS I-40/US421 INSIDE LANE AND CONSTRUCT MEDIAN WIDENING (5') UP TO EDGE AND ELEVATION OF EXISTING TRAVEL LANE FROM -Y4- STA 24+50± TO -Y4- STA 149+00± (SEE SHEETS TMP-10 THRU TMP-15).

PHASE II

AREA 1

STEP 1

COMPLETE CONSTRUCTION OF -Y1DET- AND -Y9- FROM PHASE I, AND USING RSD 1101.02 (SHEET 1 OF 15), PAVE TIES FROM -Y1DET- AND -Y9- TO EXISTING US 158, PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS (SEE SHEETS TMP-18 THRU TMP-21) ON -Y1DET- AND -Y9- AND SHIFT TRAFFIC TO -Y1DET- AND -Y9- (SEE SHEETS TMP-19 THRU TMP-21).

UNCOVER OFFSITE ESTHER LANE DETOUR SIGNS INSTALLED IN STEP 2 PHASE I (SEE SHEET TMP-2H). USING RSD 1101.03 (SHEET 1 OF 15), CLOSE ESTHER LANE (-Y7-) ACCESS TO US 158.

APPROVED: DocuSigned by: Michael T. Rzepka 02D137B38EA247D... DATE: 10/6/2014

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 15876 MICHAEL T. RZEPKA

PHASING

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

DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL UNIT

REVISIONS

CADD FILE

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