

# PHASE I

CONSTRUCT PROPOSED EAST BOUND LANES (EBL)

**PBS** 1616 EAST MILLBROOK ROAD, SUITE 310  
RALEIGH, NORTH CAROLINA 27609  
PHONE: (919) 876-6888

PROJ. REFERENCE NO.	SHEET NO.
R-2911D	TCP- 5

## NOTES:

RETURN TRAFFIC TO EXISTING PATTERN AT THE END OF EACH WORK DAY UNLESS OTHERWISE STATED IN THE PHASING OR DIRECTED BY THE ENGINEER.

COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.

SEE SHEET TCP-2 FOR LOCAL NOTES.

PHASE I SEE SHEETS TCP-3 & TCP-4 FOR OVERVIEW.

PRIOR TO ANY CONSTRUCTION OPERATIONS, PLACE ADVANCED WORK ZONE SIGNING IN ACCORDANCE WITH NCDOT DETAILS SHOWN ON SHEET TCP-25 AND WARNING SIGNS SHOWN ON TCP-3 & TCP-4.

STEP 1 AWAY FROM TRAFFIC, BEGIN THE FOLLOWING STRUCTURES AND APPROACH SLABS:

- \* -L- EBL OVER RAILROAD (STA 230+46.96 TO STA 233+01.20)
- \* -L- EBL OVER SECOND CREEK (STA 302+77.83 TO STA 305+66.17)

USING RSD 1101.02, SHEET 1 OF 7, INSTALL TEMPORARY PCB ALONG RIGHT SIDE OF EXISTING -L- FROM STA 253+70 TO STA 255+00 AND FROM STA 358+60 TO STA 360+50. AWAY FROM TRAFFIC BEGIN CONSTRUCTION OF:

- \* PROPOSED CULVERT EXTENSION AT STA 254+50+/- (SEE SHEET TCP-8)
- \* PROPOSED CULVERT EXTENSION AT STA 359+65+/- (SEE SHEET TCP-11)

USING RSD 1101.02, SHEET 1 OF 7, BEGIN TEMPORARY SIGNAL INSTALLATION AT -Y1REV-/-Y2REV- & -Y5 DETOUR-.

STEP 2 USING DETOUR ROUTE AND WORKING IN A CONTINUOUS MANNER, CLOSE -Y15- TO TRAFFIC AND PERFORM THE FOLLOWING:

- (REFER TO SHEET TCP-6 FOR DETAIL AND SHEET TCP-13 FOR DETOUR DETAIL.)
- \* REMOVE EXISTING -Y15- FROM -L- (PROP EBL) TO -Y15- STA 13+70.
- \* CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE:
  - Y15- FROM STA 10+00 TO STA 15+31+/-
  - L- (EBL) FROM STA 225+38+/- TO STA 226+62+/-
- \* USING RSD 1101.02, SHEET 1 OF 7, CONSTRUCT -Y15- TEMPORARY TIE FROM PROPOSED EBL TO EXISTING US 70. (LN-9)
- \* PLACE TEMPORARY PAVEMENT MARKING AND OPEN -Y15- TO TRAFFIC. (LN-9)

WORKING IN A CONTINUOUS MANNER, USE EXISTING DRIVE (-L- STA 252+42+/- RIGHT) FOR ACCESS, CLOSE DRIVE ACCESS -Y2REV- AND PERFORM THE FOLLOWING:

- (REFER TO SHEET TCP-7 FOR DETAIL.)
- AWAY FROM TRAFFIC CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE:
  - \* -Y2REV- FROM -L- PROP EBL TO STA 15+65.
  - \* -L- (EBL) FROM STA 244+70+/- TO STA 247+00+/-.
  - \* COMPLETE TEMPORARY SIGNAL INSTALLATION.
- USING RSD 1101.02, SHEET 1 OF 7, REMOVE EXISTING -L- RIGHT TURN LANE AND TAPER FROM STA 238+00+/- TO STA 243+92+/- AND CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. (LN-9)
  - \* TEMPORARY GRADE ACROSS PROPOSED MEDIAN AT STA 246+00.
  - \* -Y2REV- TIE TO EXISTING (FROM STA 15+65 TO STA 18+14 (BRIDGE)).
  - \* -Y3- FROM STA 10+44+/- TO -Y2REV-.
  - \* TEMPORARY WIDENING ON -L- STA 242+50 TO -Y2REV-. (LN-9)
  - \* TEMPORARY WIDENING ON EXISTING -L- FROM STA 245+58+/- TO STA 249+54+/- AND PLACE TEMPORARY (PAINT) PAVEMENT MARKINGS. (LN-9)

PLACE TEMPORARY PAVEMENT MARKINGS, SHIFT TRAFFIC TO PROPOSED -Y2REV-, ACTIVATE TEMPORARY SIGNAL AND USE DRUMS AND BARRICADES TO BLOCK ACCESS OF ORIGINAL DRIVE AT -L- & -Y2REV-. USE TEMPORARY (PAINT) PAVEMENT MARKING TO ELIMINATE LEFT TURN LANE AND TAPER ON EXISTING -L- FROM STA 252+00+/- TO STA 259+80+/- (SEE SHEET TCP-8.) (LN-9)

WORKING IN A CONTINUOUS MANNER, PERFORM/CONSTRUCT THE FOLLOWING:

- (REFER TO SHEET TCP-10, DETAIL 10A AND LOCAL NOTES LN-1 & LN-6.)
- AWAY FROM TRAFFIC:
  - \* -Y5 DETOUR- FROM STA 10+50 TO STA 14+26
- USING RSD 1101.02, SHEET 1 OF 7
  - \* COMPLETE TEMPORARY SIGNAL INSTALLATION AT -Y5 DETOUR-. (SEE SHEET TCP-10, DETAIL 10B.)
  - \* CONSTRUCT TEMPORARY TIE FOR -Y5 DETOUR- STA 10+50 TO EXISTING US 70.
  - \* CONSTRUCT TEMPORARY DRIVEWAY TIE (-Y5 DETOUR- STA 13+46 RIGHT).
  - \* CONSTRUCT -Y5 DETOUR- TIE TO EXISTING -Y5- (-Y5 DETOUR- STA 14+26 TO STA 16+54).
- PLACE TEMPORARY PAVEMENT MARKINGS (AS SHOWN ON TCP-10 DETAIL 10B), SHIFT -Y5- TRAFFIC TO -Y5 DETOUR- AND ACTIVATE SIGNAL. (REMOVE EXISTING SIGNAL AT -Y5-.) (LN-9)

BEGIN CONSTRUCTION OF THE FOLLOWING (AWAY FROM TRAFFIC) UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE:

- (REFER TO LOCAL NOTES LN-2, LN-5 & LN-6.)
- \* -L2- EBL FROM STA 217+40+/- TO -L- STA 225+38+/-
- \* -L- EBL FROM STA 226+62+/- TO 230+46.96 (RAILROAD STRUCTURE APPROACH)
- \* -L- EBL FROM STA 233+01.20 (RAILROAD STRUCTURE APPROACH) TO STA 240+00+/-
- \* -L- EBL FROM STA 240+00+/- TO STA 245+65+/- (SEE SHEET TCP-7 FOR DETAIL AND TEMPORARY WIDENING.)
- \* -L- EBL FROM STA 247+00+/- TO STA 251+75+/- (SEE SHEET TCP-7 FOR DETAIL AND TEMPORARY WIDENING.)
- \* -L- EBL FROM STA 253+75+/- TO STA 272+35+/-
- \* -L- EBL FROM STA 273+35+/- TO STA 292+95+/-
- \* -L- EBL FROM STA 294+30+/- TO STA 302+77.83 (SECOND CREEK STRUCTURE APPROACH)
- \* -L- EBL FROM STA 305+66.17 (SECOND CREEK STRUCTURE APPROACH) TO STA 328+39+/-
- \* -L- EBL FROM STA 328+39+/- TO STA 329+75+/- EXCEPT RIGHT SHOULDER. (SEE SHEET TCP-9 FOR TEMPORARY WIDENING.)
- \* -L- EBL FROM STA 330+45+/- TO STA 332+00+/- EXCEPT RIGHT SHOULDER. (SEE SHEET TCP-9 FOR TEMPORARY WIDENING.)
- \* -L- EBL FROM STA 332+00+/- TO STA 335+60+/- (SEE SHEET TCP-9 FOR DETAIL AND TEMPORARY WIDENING.)
- \* -L- EBL FROM STA 336+55+/- TO STA 338+90+/- (SEE SHEET TCP-9 FOR DETAIL AND TEMPORARY WIDENING.)
- \* -L- EBL FROM STA 338+90+/- TO STA 341+66+/- (SEE SHEET TCP-9 FOR DETAIL.)
- \* -L- EBL FROM STA 344+10+/- TO STA 346+90+/- (SEE SHEET TCP-9 FOR DETAIL AND TEMPORARY WIDENING.)
- \* -L- EBL FROM STA 346+90+/- TO STA 363+41+/-
- \* -L- EBL FROM STA 363+41+/- TO STA 367+18+/- (SEE SHEET TCP-11 FOR DETAIL.)

STEP 2 (CONTINUED)

USING RSD 1101.02, SHEET 1 OF 7, AS NEEDED, BEGIN CONSTRUCTION OF THE FOLLOWING UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. CONSTRUCT TEMPORARY GRADES ACROSS PROPOSED MEDIAN INCLUDING TEMPORARY PAVEMENT MARKING AS NEEDED. (LN-9)

- \* -L- EBL FROM STA 272+35+/- TO STA 273+35+/- & -D3- (DRWY) - SEE SHEET TCP-8 DETAIL 8B.
- \* -L- EBL FROM STA 292+95+/- TO STA 294+30+/- & -D4- (DRWY) - SEE SHEET TCP-8 DETAIL 8C.
- \* -L- EBL FROM STA 329+75+/- TO STA 330+45+/- & -D5- (DRWY) - SEE SHEET TCP-9.
- \* -L- EBL FROM STA 335+60+/- TO STA 336+55+/- & SCHOOL DRIVE - SEE SHEET TCP-9.
- \* -L- EBL FROM STA 367+18+/- TO STA 371+46+/- - SEE SHEET TCP-11.
- \* TEMPORARY MEDIAN CROSS-OVER FROM STA 370+00+/- TO STA 377+33+/-.
- \* TEMPORARY PAVEMENT ACROSS PROPOSED MEDIAN FOR -Y-LINES AND DRIVES LEFT OF US 70 TO -L- EBL

STEP 3 UPON COMPLETION OF -Y2REV- CONSTRUCTION IN STEP 2 AND SHIFTING OF TRAFFIC TO -Y2REV-, CLOSE -Y3- THRU TRAFFIC, USE DRUMS TO CLOSE RIGHT TURN LANE ON EXISTING -L-, REMOVE EXISTING PAVEMENT RIGHT OF STA 252+00+/- AND CONSTRUCT -L- AND RIGHT OUT EXIT FROM STA 251+75+/- TO STA 253+75+/- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. REFER TO SHEET TCP-8, DETAIL 8A. (LN-9)

UPON COMPLETION OF -Y5 DETOUR- AND SHIFTING TRAFFIC TO -Y5 DETOUR-, PERFORM/CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE:

- (REFER TO SHEET TCP-10, DETAIL 10B AND LOCAL NOTES LN-1 & LN-6.)
- AWAY FROM TRAFFIC:
  - \* -L- EBL FROM STA 341+66+/- TO STA 343+25+/-
  - \* -Y5- FROM -L- EBL TO STA 12+80+/-
  - \* INSTALL TEMPORARY SIGNAL AT -Y5-
- USING RSD 1101.02, SHEET 1 OF 7 AND SHEET TCP-10, DETAIL 10B.
  - \* -Y5- FROM STA 12+80+/- TO STA 15+45+/- AND PLACE TEMPORARY (PAINT) PAVEMENT MARKING. (LN-9)

STEP 4 COMPLETE WORK BEGUN IN STEP 1 (PROPOSED EBL BRIDGE AND CULVERT CONSTRUCTION) AND STEP 2 (PROPOSED EBL CONSTRUCTION FROM -L2- STA 217+40+/- TO -L- STA 377+33+/-).

USING RSD 1101.02, SHEET 1 OF 7, CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE:

- L1- FROM STA 210+93.47 TO STA 217+50+/- (FEATHER TO EXISTING) (REFER TO LOCAL NOTE LN-5.)
- L2- FROM STA 210+89.94 TO STA 217+40+/- (REFER TO LOCAL NOTE LN-5.)

STEP 5 USING RSD 1101.02, SHEET 1 OF 7 AS NEEDED, PLACE TEMPORARY (PAINT) PAVEMENT MARKING ON PROPOSED EBL IN A TWO-WAY TWO-LANE PATTERN. (REFER TO LOCAL NOTE LN-7.) REMOVE ALL CONFLICTING PAVEMENT MARKING LINES.

- \* REFER TO PHASE II DETAILS FOR PAVEMENT MARKING - SEE SHEETS TCP-17 THRU TCP-23.
- \* TRANSITIONS AND TEMPORARY 11' LANES HAVE BEEN INCORPORATED ALONG -L- IN THE FOLLOWING LOCATIONS:
  - L- EBL FROM STA 240+30 TO STA 253+23 (SEE SHEET TCP-19.)
  - L- EBL FROM STA 326+78 TO STA 347+00 (SEE SHEET TCP-22.)

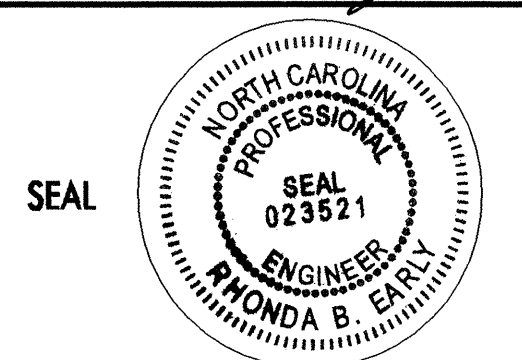
PLACE TEMPORARY (PAINT) PAVEMENT MARKING ON -Y5-. (SEE SHEET TCP-22)

COMPLETE THE WORK DESCRIBED IN STEPS 6 THRU 8 BETWEEN THE HOURS OF 6:00 PM FRIDAY AND 7:00 AM THE FOLLOWING MONDAY. (SEE SPECIAL PROVISIONS AND LIQUIDATED DAMAGES.)

STEP 6 CLOSE -Y5- TO THROUGH TRAFFIC. SEE SHEET TCP-12 FOR DETOUR DETAIL.

STEP 7 AWAY FROM TRAFFIC, CONSTRUCT, UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE, -L- EBL FROM STA 343+25+/- TO STA 344+10+/- INCLUDING TEMPORARY WIDENING. (SEE SHEET TCP-10, DETAIL 10C.)

STEP 8 PLACE TEMPORARY (PAINT) PAVEMENT MARKING ON -L- EBL FROM STA 343+25+/- TO STA 344+10+/-, ADJUST AND ACTIVATE TEMPORARY SIGNALS AT -Y5- AND -Y1REV-/-Y2REV- AND SHIFT -L- TRAFFIC TO PROPOSED EBL IN A TWO-LANE TWO-WAY PATTERN AND OPEN -Y5- TO TRAFFIC. REFER TO SHEET TCP-22 FOR TEMPORARY (PAINT) PAVEMENT MARKING. (SEE LOCAL NOTES LN-8 & LN-9.)

APPROVED: <i>David S. Early</i> DATE: 2-7-04	PROJECT PHASING PHASE I	
SEAL 	SCALE:	REVISIONS
	DATE: 08/27/04	
	DWG. BY: MAS	
	DESIGN BY: JMH	
REVIEWED BY: RBE		