

PHASING

PROJ. REFERENCE NO.	SHEET NO.
B-5318	TMP-3

PHASE I

- STEP 1:** USING RSD NO. 1101, SHEET 3 OF 3, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON -L- LIGON MILL ROAD (SR 2044), -Y1- SONG SPARROW DRIVE (SR 4428), MERRITT CAPITAL DRIVE AND MARGOT'S AVENUE/WOODROSE LANE (SR 3540).
- STEP 2:** USING RSD NO. 1101.02, SHEET 1 OF 14, PERFORM THE FOLLOWING:
- CONSTRUCT 2' OF TEMPORARY PAVED SHOULDER WIDENING FOR PLACEMENT OF P.C.B. ON THE EAST SIDE OF SR 2044 FROM -DET- STA. 15+20 +/- TO -DET- STA. 19+48 +/- AND FROM -DET- STA. 20+69 +/- TO -L- STA. 22+70 +/- . SEE TMP-4 AND CUT SECTION A-A.
 - FROM -L- STA. 23+38 +/- TO -L- STA. 30+05 +/-, CONSTRUCT 2' +/- OF TEMPORARY EAST SIDE PAVED SHOULDER WIDENING. UNDER THE DIRECTION OF THE ENGINEER, CONSTRUCT ENOUGH TEMPORARY PAVEMENT TO ACCOMMODATE 2' OF P.C.B. WITH A 2' OFFSET FROM EXISTING EDGE OF TRAVEL. SEE TMP-4 AND TMP-5.
 - CONSTRUCT 2' OF TEMPORARY PAVED SHOULDER WIDENING FOR PLACEMENT OF P.C.B. ON THE WEST SIDE OF SR 2044 FROM -DET- STA.14+40 +/- TO -DET- STA. 19+48 +/- . SEE TMP-4.
 - REFRESH EXISTING WHITE EDGE LINES BY PLACING TEMPORARY WHITE EDGELINES ALONG AREAS ADJACENT TO THE NEWLY CONSTRUCTED TEMPORARY SHOULDER WIDENING AS SHOWN ON SHEETS TMP-4 AND TMP-5.
- STEP 3:** USING RSD NO. 1101.02, SHEET 1 OF 14, INSTALL P.C.B. WITH CRASH CUSHIONS ON THE PREVIOUSLY CONSTRUCTED TEMPORARY SHOULDER WIDENING AS FOLLOWS:
- ANCHORED P.C.B. ON THE EAST SIDE OF SR 2044 FROM -DET- STA. 15+20 +/- TO -DET- STA. 17+00 +/- . SEE TMP-4.
 - UNANCHORED P.C.B. ON THE EAST SIDE OF SR 2044 FROM -DET- STA. 17+00 +/- TO -DET- STA. 19+48 +/- . SEE TMP-4.
 - UNANCHORED P.C.B. ON THE EAST SIDE OF SR 2044 FROM -DET- STA. 20+69 +/- TO -DET- STA. 21+50 +/- . SEE TMP-4.
 - ANCHORED P.C.B. ON THE ON THE WEST SIDE OF SR 2044 FROM -DET- STA. 14+40 +/- TO -DET- STA. 17+00 +/- . SEE TMP-4.
 - UNANCHORED P.C.B. ON THE ON THE WEST SIDE OF SR 2044 FROM -DET- STA. 17+00 +/- TO -DET- STA. 19+48 +/- . SEE TMP-4.

THE CONTRACTOR WILL BE PERMITTED TO BEGIN PROPOSED BRIDGE CONSTRUCTION IN PHASE I, STEP 6, CONCURRENT WITH WORK IN PHASE I, STEP 4, SUBJECT TO THE ENGINEER'S APPROVAL. THE CONTRACTOR SHALL NOT PERFORM ANY OTHER WORK IN PHASE I, STEP 6, OR CONSTRUCT -DET- IN PHASE I, STEP 6, UNTIL ALL WORK IN PHASE I, STEP 4 HAS BEEN COMPLETED.

STEP 4: PLACE PEDESTRIAN CHANNELIZING DEVICE TO TEMPORARILY CLOSE SIDEWALK ON THE EAST SIDE OF SR 2044 FROM SOUTH OF MARGOT'S AVENUE TO -L- STA 15+00 +/- . SEE TMP-4.

EXCAVATE BORE AND RECEIVING PITS. BORE AND JACK SEWER LINES CROSSING LIGON MILL ROAD NORTH OF THE PROPOSED BRIDGE AT -L- STA 15+70 +/- AND -L- STA 16+00 +/- . BEHIND PREVIOUSLY PLACED P.C.B. AND AWAY FROM TRAFFIC [SEE UTILITY PLANS].

STEP 5: PERFORM THE FOLLOWING USING RSD 1101.02, SHEET 1 OF 14:

- ON THE EAST SIDE OF SR 2044, REMOVE THE PORTION OF ANCHORED P.C.B. PLACED IN PHASE I, STEP 3 FROM -DET- STA. 15+20 +/- TO -DET- STA. 15+89 +/- . PLACE A CRASH CUSHION ON THE TRAILING END OF THIS RUN OF P.C.B. AT -DET- STA. 15+89 +/- . SEE TMP-6.
- ON THE WEST SIDE OF SR 2044, REMOVE THE P.C.B. AND CRASH CUSHION PLACED IN PHASE I, STEP 3 FROM -DET- STA. 12+00 +/- TO -DET- STA. 19+48 +/- AND REPLACE WITH DRUMS AT 35' C-C SPACING. SEE TMP-6.

STEP 6: PERFORM THE FOLLOWING:

WHILE WORKING BEHIND P.C.B. AND AWAY FROM TRAFFIC, INSTALL TEMPORARY BRIDGE SHORING ALONG THE EAST SIDE OF EXISTING LIGON MILL ROAD FROM -DET- STA. 18+58 +/- TO -DET- STA 19+48 +/- AND FROM -DET- STA. 20+58 +/- TO -DET- STA. 21+08 +/- . SEE TMP-6.

ONCE THE ABOVE BRIDGE SHORING IS IN PLACE, BEGIN CONSTRUCTION OF PROPOSED BRIDGE OVER SMITH CREEK AWAY FROM TRAFFIC. BEGIN CLEARING AND CONSTRUCTION OF FILL EMBANKMENT FOR PROPOSED LIGON MILL ROAD AWAY FROM TRAFFIC. SEE TMP-6.

USING RSD 1101.02, SHEET 1 OF 14, CONSTRUCT -DET- UP TO EDGE AND ELEVATION OF EXISTING PAVEMENT ALONG WEST SIDE OF LIGON MILL ROAD FROM -DET- STA 11+00 +/- TO -DET- STA. 14+76 +/- AND CONSTRUCT 4 FT TEMPORARY PAVEMENT WIDENING IN SOUTHEAST RADIUS OF THE MERRITT CAPITAL DRIVE INTERSECTION WITH -DET- . SEE TMP-6 AND CUT SECTION B-B.

PHASE II

THE CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE PHASE II, STEP 1 DURING A SINGLE WORK PERIOD.

STEP 1: USING RSD NO. 1101.02, SHEET 1 OF 14, SHIFT -L- LIGON MILL ROAD INTO TEMPORARY TRAFFIC PATTERN ON -DET- CONSTRUCTED IN PHASE I AS FOLLOWS:

-INSTALL WATER-FILLED BARRIER (W.F.B.) ALONG THE WEST SIDE OF -DET- AND AROUND THE SOUTHWEST RADIUS OF THE MERRITT CAPITAL DRIVE INTERSECTION FROM -DET- STA. 13+72 +/- TO -DET- STA. 15+00 +/- AS SHOWN ON TMP-7.

-REVISE PAVEMENT MARKINGS ON -L- LIGON MILL ROAD TO TEMPORARY PATTERN BETWEEN WOODROSE LANE/MARGOT'S AVENUE AND THE EXISTING SMITH CREEK BRIDGE AS SHOWN ON TMP-7 [SEE CUT SECTIONS C-C AND D-D ON TMP-7]. REVISE SOUTHBOUND WHITE EDGE LINE AND DOUBLE YELLOW CENTERLINE TO SHIFT SOUTHBOUND TRAFFIC, THEN REVISE NORTHBOUND WHITE EDGE LINE AND SHIFT NORTHBOUND TRAFFIC.

CONTINUED ON SHEET TMP-3A

26-SEP-2022 10:05 P:\50084265\50084274 B5318 PH2\CAD\Civil\B5318\Traffic\TrafficControl\TCP\Plans\200_035_B5318_TC_TCP_03.dgn
jwiles AT R30K8AV4



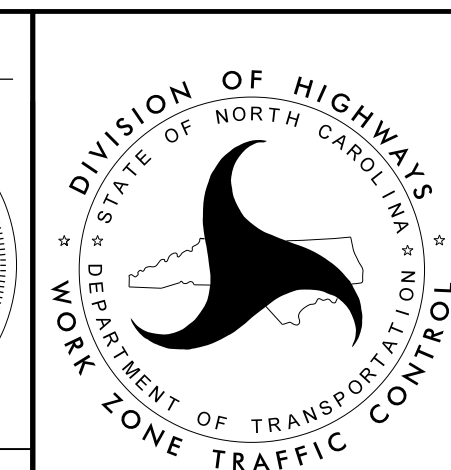
2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.9939
NC COA No. F-0929

APPROVED: *J. Todd Brooks*
DATE: 9/26/2022

SEAL

NORTH CAROLINA
PROFESSIONAL
ENGINEER
J. TODD BROOKS
SEAL
17586

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



PHASING