DocuSign Envelope ID: 2055D67D-2BC7-4965-A3E1-F0C75DE6942A

PROJ. REFERENCE NO.	SHEET NO.
U-3308	TMP-5

HDR Engineering, Inc. of the Carolinas
3733 National Drive, Suite 207 Raleigh, N.C. 27612
N.C.B.E.L.S. License Number: F-0116

SEE SHEET TMP-4, TMP-4A, AND TMP-4B FOR SECTIONS A-A, A1-A1, A2-A2, B1-B1, B2-B2, & B3-B3

SEE SHEET TMP-2C FOR BARRICADE DETAILS

-YA- NC 147

-R1-

-R3-

-Y- PETTIGREW ST.

-NSS- NORFOLK SOUTHERN SOUTH TRACK

-NSN- NORFOLK SOUTHERN NORTH TRACK

-CSXN- CSX NORTH TRACK

-Y3A- CHATHAM PL.

-Y3- GANN ST.

BEGIN CONSTRUCTION
-CSXN- STA. 10+00 +/-

BEGIN CONSTRUCTION
-LALT- STA. 19+98 +/-

SEE NOTE 1

END PORT. CONC. BARRIER
TEMP. CRASH CUSHION
-LALT- STA. 18+70 +/-

END CONSTRUCTION
-LALT- STA. 18+55 +/-

BEGIN CONSTRUCTION
-LALT- STA. 15+00 +/-

BEGIN PORT. CONC. BARRIER
TEMP. CRASH CUSHION
-LALT- STA. 14+90 +/-

CONSTRUCT -R3- FROM
STA. 10+07 +/- TO
STA. 10+90 +/-

-R3- +68.09
10.01' LT

-LALT- +88.73
38.58' LT

SEE NOTES
6 AND 7

TEMPORARY
PAVEMENT

ANCHORED
PCB

SEE NOTES
6 AND 7

SEE NOTE 3

SEE NOTE 3
SEE PHASING, STEP 5 (ICT)

BEGIN CONSTRUCTION
-LALT- STA. 24+38 +/-

SEE NOTE 4

END CONSTRUCTION
-LALT- STA. 20+94 +/-

SEE LOCAL NOTE LN-02 FOR
RAIL BRIDGE CONSTRUCTION
OVER -LALT- (NC 55)

TEMPORARY
SHORING
SEE NOTE 2

TEMPORARY
SHORING
SEE NOTE 2

BEGIN BRIDGE CONSTRUCTION
-CSXN- STA. 12+37 +/-

END PORT. CONC. BARRIER
TEMP. CRASH CUSHION
-LALT- STA. 26+40 +/-

TIE TO EXISTING MARKINGS
-LALT- STA. 13+20 +/-

-LALT-
ALSTON AVE.
(NC 55)

RIGHT LANE MUST TURN RIGHT
R3-7 R
30" X 30"

INSTALL R3-7R SIGNS
AT -LALT- STA 7+30
AND -LALT- STA 12+30

DETOUR PEDESTRIAN TRAFFIC
FROM ALSTON AVE. TO
PEDESTRIAN BRIDGE
(SEE SHEET TMP-2X)

TIE TO EXISTING MARKINGS
-LALT- STA. 13+38 +/-

05-1028T1

SHORING 1

BEGIN BRIDGE CONSTRUCTION
STAGE 1
-LALT- STA. 15+59 +/-

END BRIDGE CONSTRUCTION
STAGE 1
-LALT- STA. 17+39 +/-

SEE LOCAL NOTE LN-01 FOR
-LALT- (NC 55) BRIDGE
CONSTRUCTION OVER -YA- (NC 147)

SHORING 2

R3-2
24" X 24"

SEE NOTE 5

05-0284T1 & T2

BEGIN PORTABLE CONC. BARRIERS
TEMPORARY CRASH CUSHIONS
-LALT- STA. 22+50 +/-

SEE NOTE 1

CAT-1 (TYP)

GRAU 350 (TYP)

-R2-

-R4-

-R5-

MOTORCOACH WAY

-Y- PETTIGREW ST.

-YA- NC 147

TEMPORARY
SHORING
SEE NOTE 2

TEMPORARY
6' FENCE

-LALT-
ALSTON AVE.
(NC 55)

END PORT. CONC. BARRIER
TEMP. CRASH CUSHION
-LALT- STA. 25+60 +/-

STEP 2 - USING A WEEKEND
CLOSURE OF NC 55, REMOVE
EXISTING RAIL BRIDGE PIER
FOUNDATION, THEN BACKFILL
AND REPAIR EXISTING
ROADWAY

END BRIDGE CONSTRUCTION
-CSXN- STA. 14+04 +/-

END CONSTRUCTION
-CSXN- STA. 16+92 +/-

MATCHLINE -LALT- STA. 26+50, SEE SHEET TMP-6

★ TWO (2) TEMPORARY SIGNALS WILL
BE REQUIRED IF -Y3- (GANN ST)
REMAINS OPEN AFTER SHIFTING
NC 55 TO THE TEMPORARY PATTERN

NOTES:

1. REMOVE EXISTING GUARDRAIL, INSTALL TEMPORARY GUARDRAIL (ADJUST LOCATION AS DIRECTED BY THE ENGINEER).
2. SEE STRUCTURE DESIGN PLANS FOR SHORING INFORMATION ASSOCIATED WITH CSX AND NORFOLK SOUTHERN RAIL BRIDGES
3. CONSTRUCT -Y3- FROM STA. 10+00 +/- TO STA. 12+46 +/- USING AN OFF-SITE DETOUR. CLOSE NB NC 55 LEFT TURN LANE DURING -Y3- CLOSURE. SEE SHEET TMP-2I FOR DETOUR. SEE SHEET TMP-9 FOR TEMPORARY PATTERN TO REOPEN -Y3-.
4. PLACE VARIABLE DEPTH WEDGING OVER THE PROPOSED PAVEMENT. WEDGE FROM THE EDGE OF PROPOSED PAVEMENT (4' LT) TO 14' LT. PLACE WEDGING TO CREATE A SMOOTH TRANSITION FROM PROPOSED TO EXISTING PAVEMENT.
5. USING A LANE CLOSURE ON NC 55, REMOVE EXISTING PAVEMENT AND PLACE TEMPORARY PAVEMENT TO TIE FROM EXISTING TO PROPOSED WEDGING OVER PERMANENT PAVEMENT (4' LT TO 6' LT).
6. INSTALL PERMANENT GUARDRAIL.
7. TEMPORARILY GRADE TO DRAIN AREA, AS NECESSARY.

1	TEMPORARY SHORING No.1 QUANTITY = 192 SQ. FT. FROM -LALT- STA. 15+25 +/-, 7.50' +/- LT TO -LALT- STA. 15+57 +/-, 7.50' +/- LT
2	TEMPORARY SHORING No.2 QUANTITY = 221 SQ. FT. FROM -LALT- STA. 17+36 +/-, 7.50' +/- LT TO -LALT- STA. 17+70 +/-, 7.50' +/- LT

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

APPROVED R. Erskine Brooks DATE: 5/13/2016

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 032584 ENGINEER R. ERSKINE BROOKS

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

PHASE 1
STEPS 1 - 10

REVISIONS

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt PENTABLE: NCDOT_tcp.tbl
USER: erbrooks DATE: 5/12/2016 TIME: 3:59:08 PM
FILE: c:\pwworking\tpa\d0487729\U-3308_TMP_TMP-05.dgn