


PHASING

PROJ. REFERENCE NO.	SHEET NO.
A-0009CB	TMP-3
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

NOTES:

- UNLESS OTHERWISE NOTED PROVIDE ACCESS TO ALL DRIVES AND SIDE STREETS AT ALL TIMES.
- UNLESS OTHERWISE NOTED MAINTAIN THE EXISTING TRAFFIC PATTERN OF NC 143 AND ALL APPLICABLE STREETS IN THE PROJECT AREA AT ALL TIMES WHILE FLAGGERS ARE NOT AT WORK.
- INSTALL ADVANCED WORK ZONE WARNING SIGNS ON ALL ALIGNMENTS IN ACCORDANCE WITH NCDOT RSD 1101.01, SHEET 3 OF 3.
- UNLESS OTHERWISE NOTED USE NCDOT RSD 1101.02, SHEET 1 OF 14 FOR TEMPORARY LANE CLOSURES.
- WHEN WEDGING OVER EXISTING PAVEMENT, WEDGE TO PROPOSED ELEVATION LESS THE FINAL LAYER OF SURFACE COURSE, OR WEDGE AS NEEDED TO MAINTAIN TRAFFIC AS DIRECTED BY THE ENGINEER.
- THE APPALACHIAN TRAIL SHALL REMAIN OPEN TO WALKERS AT ALL TIMES. PROVIDE ACCOMMODATION ACCORDING TO TMP-2B

PHASE I

STEP 1 (TMP-4 THRU TMP-13)

WITH TRAFFIC IN EXISTING PATTERN UNLESS OTHERWISE NOTED AND USING TEMPORARY LANE CLOSURES IN ACCORDANCE WITH NCDOT RSD 1101.02, SHEET 1 OF 14 AND FLAGGERS WIDEN NC 143 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:

- FROM -L- STA 208+00± TO STA 214+87±, RT
- FROM -L- STA 208+00± TO STA 247+50±, LT
- FROM -L- STA 224+77± TO STA 229+00±, RT
- FROM -L- STA 235+00± TO STA 274+86±, RT
- FROM -L- STA 271+75± TO STA 278+00±, LT
- FROM -L- STA 279+50± TO STA 309+85±, LT
- FROM -L- STA 307+50± TO STA 335+09±, RT
- FROM -L- STA 328+62± TO STA 414+50±, LT

WORKING IN A CONTINUOUS OPERATION DO THE FOLLOWING:(TMP-6 & TMP-7)

- CLOSE NATHAN GARLAND RD IN ACCORDANCE WITH NCDOT RSD 1101.03, SHEETS 1 AND 2 OF 9 AS SHOWN ON PLANS.
- REMOVE THE EXISTING BRIDGE OVER SWEETWATER CREEK
- CONSTRUCT THE NEW CULVERT AND CONSTRUCT NATHAN GARLAND RD UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -Y4- STA 11+75± TO STA 12+50±.
- REOPEN ROAD TO TRAFFIC
- USING TEMPORARY LANE CLOSURES RESURFACE AND PLACE FINAL LAYER OF SURFACE COURSE ON NATHAN GARLAND RD FROM -Y4- STA 10+28± TO 44+93± PLACE FINAL PAVEMENT MARKINGS

(SEE STRUCTURE PLANS, EROSION CONTROL PLANS, AND FINAL PAVEMENT MARKING PLANS)

- CONSTRUCT RETAINING WALL #7 FROM -L- STA 269+25± TO 272+19±, RT (TMP-6)
- CONSTRUCT RETAINING WALL #9 FROM -L- STA 290+80± TO 292+85±, LT (TMP-7)
- CONSTRUCT RETAINING WALL #10 FROM -L- STA 316+45± TO 317+67±, RT (TMP-8)
- CONSTRUCT RETAINING WALL #38 FROM -L- STA 319+29± TO 321+08±, RT (TMP-8)
- CONSTRUCT RETAINING WALL #11 FROM -L- STA 330+82± TO 333+24±, LT (TMP-8)
- CONSTRUCT RETAINING WALL #12 FROM -L- STA 341+76± TO 344+11±, LT (TMP-9)
- CONSTRUCT RETAINING WALL #13 FROM -L- STA 344+69± TO 346+76±, LT (TMP-9)
- CONSTRUCT RETAINING WALL #14 FROM -L- STA 347+95± TO 350+64±, LT (TMP-9)
- CONSTRUCT RETAINING WALL #15 FROM -L- STA 352+29± TO 368+35±, LT (TMP-9 & TMP-10)
- CONSTRUCT RETAINING WALL #17 FROM -L- STA 369+40± TO 375+26±, LT (TMP-10)
- CONSTRUCT RETAINING WALL #19A (TIERED WALLS) FROM -L- STA 376+65± TO 380+50±, LT (TMP-10)
- CONSTRUCT RETAINING WALL #19B (TIERED WALLS) FROM -L- STA 382+30± TO 391+50±, LT AND FROM -L- STA 391+90± TO 393+22±, LT (TMP-10 & TMP-11)
- CONSTRUCT RETAINING WALL #19B (SINGLE WALL) FROM -L- STA 393+22± TO 408+04±, LT (TMP-11)
- CONSTRUCT RETAINING WALL #20 FROM -L- STA 409+44± TO 411+75±, LT (TMP-11)

CONSTRUCT STAGE 1 OF LANDBRIDGE OVER NC 143 AS SHOWN ON PLANS (TMP-10) SEE STRUCTURE PLANS

WORKING IN A CONTINUOUS OPERATION DO THE FOLLOWING: (TMP-12)

- INSTALL PROPOSED AND TEMPORARY DRAINAGE STRUCTURES AS SHOWN ON PLANS
- PLACE TEMPORARY PAVEMENT AND SHIFT TRAFFIC
- PLACE FIRST SECTION OF PIPE ARCH

WORKING IN A CONTINUOUS OPERATION DO THE FOLLOWING: (TMP-13)

- INSTALL PROPOSED DRAINAGE STRUCTURES AS SHOWN ON PLANS
- PLACE TEMPORARY PAVEMENT
- SHIFT TRAFFIC INTO A ONE LANE OPERATION UTILIZING A TEMPORARY PORTABLE SIGNAL SYSTEM AS SHOWN ON PLANS
- PLACE FIRST SECTION OF 60" CAAP
- RETURN TRAFFIC TO TWO LANES

CONSTRUCT SIDE STREETS UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS SHOWN ON PLANS:

- SAMS HILL RD (TMP-6)
- SR 1222 ORR BRANCH RD (TMP-6)
- GREEN GAP RD (TMP-8)
- BILL ROSE RD (TMP-9)

STEP 2 (TMP-14 THRU TMP-16)

USING TEMPORARY LANE CLOSURES, FLAGGERS AND SHIFTING TRAFFIC IF NEEDED CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE:

TMP-14

-L- STA 214+87± TO 235+00± WEDGE EXISTING PAVEMENT, PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING PAVEMENT AS NEEDED
CONSTRUCT PAVED SHOULDER FROM -L- STA 214+87± TO 224+77±, RT AND FROM -L- STA 229+00± TO 235+00±,RT
PLACE TEMPORARY PAVEMENT MARKING IN TWO-LANE TWO-WAY PATTERN AS SHOWN ON PLANS

TMP-15

-L- STA 259+50± TO 278+00± WEDGE EXISTING PAVEMENT, PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING PAVEMENT AS NEEDED
CONSTRUCT PAVED SHOULDER FROM -L- STA 259+50± TO 271+75±,LT AND FROM -L- STA 274+86± TO 277+70±, RT
PLACE TEMPORARY PAVEMENT MARKING IN TWO-LANE TWO-WAY PATTERN AS SHOWN ON PLANS

TMP-16

PLACE TEMPORARY PAVEMENT MARKINGS FROM -L- STA 281+14± TO 309+85± AS SHOWN ON PLANS.
THE CONTRACTOR SHALL WEDGE EXISTING PAVEMENT WHERE NECESSARY TO PROVIDE SMOOTH TRANSITIONS BETWEEN NEW AND EXISTING PAVEMENT EDGES PRIOR TO PLACING MARKINGS.
SHIFT TRAFFIC AND CONSTRUCT THE FOLLOWING:
NEW PAVED SHOULDER FROM -L- STA 284+00± TO 307+50±, RT
WIDEN EXISTING NC 143 FROM -L- 289+64± TO 293+17±, RT

PHASE II

STEP 1

(TMP-17 & TMP-18)

WORKING IN A CONTINUOUS OPERATION DO THE FOLLOWING:

- UTILIZING A TEMPORARY PORTABLE SIGNAL SYSTEM PLACE TRAFFIC IN A 1-LN 1-WAY PATTERN
- PLACE FIRST SECTION OF PROPOSED CAA ARCH PIPE AS SHOWN ON PLANS.
- WIDEN NC 143 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA 249+50± TO 250+50±, RT
- RETURN TRAFFIC TO A 2-LN 2-WAY PATTERN
- PLACE REMAINING SECTION OF ARCH PIPE

CONSTRUCT PAVED SHOULDER FROM -L- STA 247+50± TO 259+50±,LT

TMP-19

14 DAYS PRIOR TO CLOSING NC 143 PLACE MESSAGE SIGNS AND INFORM THE PUBLIC OF THE IMPENDING ROAD CLOSURE.

CLOSE NC 143 TO THRU TRAFFIC ACCORDING TO NCDOT RSD 1101.03, SHEETS 1 & 2 OF 9. PLACE TRAFFIC ONTO NATHAN GARLAND RD AS DESCRIBRD ON SHEET TMP-19.
PLACE THE PROPOSED PIPE ARCH.
CONSTRUCT NC 143 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA 278+00± TO 279+50±, PLACE PAVED SHOULDER TO -L- STA 284+00±.

TMP-20

PLACE NC 143 INTO A ONE LANE PATTERN AS SHOWN ON PLANS AND PLACE THE REMAINING SECTION OF THE 60" CAAP.

STEP 2 (TMP-21 THRU TMP-26)

USING TEMPORARY LANE CLOSURES, FLAGGERS, AND TRAFFIC SHIFTS AS NEEDED WEDGE THE EXISTING NC 143 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:

- FROM -L- STA 208+00± TO STA 214+87±
- FROM -L- STA 235+00± TO STA 252+00±
- FROM -L- STA 279+50± TO STA 414+50±

PLACE PAVED SHOULDER AS FOLLOWS:

- L- STA 309+85± TO STA 328+62±, LT
- L- STA 335+09± TO STA 383+45
- L- STA 392+00± TO STA 414+50±, RT

COMPLETE MEDIAN FROM -L- STA 375+25± TO STA 383+55±

CONSTRUCT U-TURN BULB AND WIDEN NC 143 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA 364+58± TO STA 369+15±

USING TEMPORARY LANE CLOSURES AND FLAGGERS PLACE TEMPORARY PAVEMENT MARKINGS IN A 2-LN 2 WAY PATTERN AS SHOWN ON PLANS.

- CONSTRUCT RETAINING WALL #16 FROM -L- STA 366+70± TO 369+72±, RT (TMP-25)
- CONSTRUCT RETAINING WALL #18 FROM -L- STA 375+25± TO 378+15±, RT (TMP-25)
- CONSTRUCT RETAINING WALL #19C RT OF -L- STA 380+50 (TMP-25)
- CONSTRUCT RETAINING WALL #42 FROM -L- STA 382+30± TO 383+50±, RT (TMP-25)
- CONSTRUCT RETAINING WALL #29 FROM -L- STA 393+90± TO 395+90±, RT (TMP-26)
- CONSTRUCT RETAINING WALL #29A FROM -L- STA 396+75± TO 398+75±, RT (TMP-26)

CONSTRUCT STAGE 2 OF LANDBRIDGE OVER NC 143 AS SHOWN ON PLANS (TMP-25) SEE STRUCTURE PLANS

STEP 3 (TMP-27)

AFTER PEDESTRIAN TRAFFIC HAS BEEN REDIRECTED TO THE NEWLY REALIGNED APPALACHIAN TRAIL AND THE PROPOSED LAND BRIDGE DO THE FOLLOWING:
COMPLETE RETAINING WALL #19B FROM -L- STA 391+50± TO STA 391+90±, LT
PLACE PAVED SHOULDER FROM -L- STA 385+03± TO STA 392+00±, RT

CONSTRUCT RETAINING WALL #28 FROM -L- STA 389+25± TO 392+00±, RT

PHASE III

STEP 1 (TMP-28 THRU TMP-31)

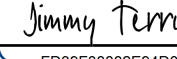


USING TEMPORARY LANE CLOSURES AND FLAGGERS IN ACCORDANCE WITH NCDOT RSD 1101.02 SHEETS 1 AND 2 OF 14 PLACE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:
NC 143 FROM -L- STA 208+00± TO 414+50± (TMP-28 TO TMP-31)

USING TEMPORARY LANE CLOSURES AND FLAGGERS PLACE FINAL LAYER OF SURFACE COURSE ON SIDE STREETS.
SAMS HILL RD (TMP-29)
SR 1222 ORR BRANCH RD (TMP-29)
GREEN GAP RD (TMP-30)
BILL ROSE RD (TMP-30)

STEP 2

USING TEMPORARY LANE CLOSURES AND FLAGGERS IN ACCORDANCE WITH NCDOT RSD 1101.02 SHEETS 1 AND 2 OF 14 PLACE FINAL PAVEMENT MARKINGS AS SHOWN IN PAVEMENT MARKING PLANS.

REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ALL ROADS TO TRAFFIC.

APPROVED:  DATE: 7/27/2022 		<h1>PHASING</h1>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

5/27/2022
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 User: jsmelin