CONSTRUCTION OF PROJECT A-0009CA WILL OCCUR IN 2 SEPARATE AREAS. THE CONTRACTOR MAY WORK CONCURRENTLY IN BOTH.

AREA A: US 129 FROM SOUTH OF SR 1275 (FIVE POINTS RD) TO NC 143 AREA B: NC 143 FROM US 129 TO SR 1223 (BEECH CREEK RD)

NOTES: 1. UNLESS OTHERWISE NOTED PROVIDE ACCESS TO ALL DRIVES AND SIDE STREETS AT ALL TIMES.

2. UNLESS OTHERWISE NOTED MAINTAIN THE EXISTING TRAFFIC PATTERN OF US 129 NC 143 AND ALL APPLICABLE STREETS IN THE PROJECT AREA AT ALL TIMES WHILE FLAGGERS ARE NOT AT WORK

3. COVER ALL TEMPORARY AND FINAL SIGNALS PRIOR TO ACTIVATION. UNCOVER AND ACTIVATE AS DIRECTED BY THE ENGINEER

4. INSTALL ADVANCED WORK ZONE WARNING SIGNS ON ALL ALIGNMENT IN ACCORDANCE WITH NCDOT RSD 1101.01. SHEET 3 OF 3.

5. UNLESS OTHERWISE NOTED USE NCDOT RSD 1101.02, SHEET 1 OF 14 FOR TEMPORARY LANE CLOSURES.

6. WHEN WEDGING OVER EXISTING PAVEMENT, WEDGE TO PROPOSED ELEVATION LESS THE FINAL LAYER OF SURFACE COURSE, OR WEDGE AS NEEDED TO MAINTAIN TRAFFIC DRAINAGE STRUCTURES AS SHOWN ON PLANS. AS DIRECTED BY THE ENGINEER.

US 129 CONSTRUCTION

## PHASE I

STEP 1 (TMP-4)

PRIOR TO BEGINNING ANY CONSTRUCTION IN EITHER INTERSECTION REVISE THE SEE SIGNAL PLANS FOR LAYOUT.

STEP 2 (TMP-4 & TMP-5)

USING TEMPORARY LANE CLOSURES IN ACCORDANCE WITH NCDOT RSD 1101.02, SHEETS 1 AND 2 OF 14 AND FLAGGERS WEDGE AND WIDEN THE FOLLOWING UP TO BU NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE:

US 129 FROM -Y1- STA 13+70± TO STA 37+20± NC 143 FROM -L- STA 10+20± TO STA 10+84±

SR 1275 FROM -Y1A- STA 10+19± STA TO 10+63± SR 1106 FROM -Y1B- STA 13+14± TO STA 13+99± FORD ST FROM -Y1C- STA 11+71± TO STA 12+19±

USING TEMPORARY LANE CLOSURES AND FLAGGERS PLACE TEMPORARY PAVEMENT MARKINGS IN THE CURRENT TRAFFIC PATTERN AS FOLLOWS:

FROM - Y1 - STA 13+70± TO 37+20± FROM -Y1A- STA 10+19± TO 10+63± FROM - Y1B- STA 13+14± TO 13+99± REPLACE NC 143 MARKINGS AS NEEDED SEE TMP- 5 FOR LAYOUT

CONSTRUCT THE SIDEWALK ALONG US 129 AS FOLLOWS: US 129 FROM -Y1B- STA 13+06± TO -Y1- STA 36+70± LT US 129 FROM -Y1- STA 27+26± TO 36+75± RT THE CONTRACTOR SHALL NOT CLOSE BOTH SIDEWALKS AT THE SAME TIME. TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS THE CONTRACTOR MAY CONSTRUCT THE NEW EB SIDEWALK FIRST WHILE THE WB SIDEWALK IS STILL OPEN. COORDINATE WITH TEMPORARY SIGNAL INSTALLATION TO PROVIDE A SAFE CROSSING AT SIGNALIZED INTERSECTION LOCATIONS.

PLACE CURB AND GUTTER AS SHOWN ON PLANS.

REMOVE EXISTING PAVEMENT AS SHOWN ON PLANS.

CONSTRUCT RETAINING WALL #1 FROM -Y1- STA 32+55± TO 34+16± RT

INSTALL FINAL SIGNALS AND COVER AT US 129 AND SR 1106 AND AT US 129 AND NC 143. SEE SIGNAL PLANS

## **PHASING**

## NC 143 CONSTRUCTION PHASE I STEP 1 DET-S5 (TMP-6) WITHOUT DISTURBING EXISTING NC 143 TRAFFIC CONSTRUCT DET S5 FROM -DET S5- STA 11+00± TO STA 22+59±. PLACE TEMPORARY SHORING, TEMPORARY DRAINAGE STRUCTURES AND TEMPORARY PAVEMENT MARKINGS AS SHOWN ON PLANS JUST PRIOR OF SHIFTING TRAFFIC TO DETOUR CONSTRUCT TIE-INS WITH TEMPORARY LANE CLOSURES ON NC 143 AND PLACE TIE-IN PAVEMENT MARKINGS. PLACE DRUMS AND BARRICADES AND CLOSE A SECTION OF NC 143 TO TRAFFIC AND OPEN DETOUR TO TRAFFIC. DET-DR1A (TMP-7) WITHOUT DISTURBING EXISTING NC 143 TRAFFIC CONSTRUCT DET-DR1A FROM -DET-DR1A- STA. 10+30± TO STA 14+00±, PLACE TEMPORARY AND PERMANENT PLACE BARRICADES AND CLOSE SWEETEN CREEK AS SHOWN ON PLANS AND OPEN DETOUR TO TRAFFIC DET S8 (TMP-8) Α. STEP 3 PRIOR TO GRADING FOR DET S8 THE CONTRACTOR SHALL CONSTRUCT RETAINING WALL #6 FROM -L- STA 186+75± TO STA 192+05±. IF ROCK BLASTING IS NEEDED TMP-17 USE NCDOT RSD 1101.06. WITHOUT DISTURBING EXISTING NC 143 TRAFFIC CONSTRUCT DET S8 FROM EXISTING SIGNALS AT US 129 AND SR 1106(MAIN ST) AND AT US 129 AND NC 143. DET S8 STA 12+16± T0 STA 19+73±, PLACE TEMPORARY SHORING, TEMPORARY DRAINAGE STRUCTURES AND PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON PLANS. Β. JUST PRIOR OF SHIFTING TRAFFIC TO DETOUR CONSTRUCT TIE-INS WITH TEMPORARY LANE CLOSURES ON NC 143 AND PLACE PAVEMENT MARKINGS. PLACE DRUMS AND BARRICADES AND CLOSE A SECTION OF NC 143 TO TRAFFIC AND OPEN DETOUR TO TRAFFIC. Α. NOTE: THE CONTRACTOR MAY ELECT TO BEGIN CONSTRUCTION OF WORK DESCRIBED IN STEP 2 BEFORE COMPLETION OF WORK DESCRIBED IN STEP 1. STEP 2 (TMP-9 TO TMP-16) PRIOR TO ANY CONSTRUCTION AT THE INTERSECTION OF NC 143 AND SR 1275 Β. REVISE THE SIGNAL. SEE SIGNAL PLANS FOR LAYOUT. WHILE MAINTAINING THE EXISTING NC 143 TRAFFIC PATTERN AND USING TEMPORARY LANE CLOSURES IN ACCORDANCE WITH NCDOT RSD 1101.02, SHEETS 1 AND 2 OF 14, AND FLAGGERS AS NEEDED CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE: (TMP-9 TO TMP-16) WIDEN NC 143 FROM -L- STA 10+84± TO STA 65+50±, LT & RT Α. WIDEN NC 143 FROM -L- STA 65+50± TO STA 100+84± RT WIDEN NC 143 FROM -L- STA 65+50± TO STA 73+25± LT WIDEN NC 143 FROM -L- STA 80+50± TO STA 100+50± LT WIDEN NC 143 FROM -L- STA 113+52± TO STA 167+00± LT WIDEN NC 143 FROM -L- STA 118+19± TO STA 180+58± RT WIDEN NC 143 FROM -L- STA 168+50± TO STA 188+00± LT WIDEN NC 143 FROM -L- STA 201+25± TO STA 208+00± LT WIDEN NC 143 FROM -L- STA 202+81± TO STA 208+00± RT CONSTRUCT SIDEWALK ALONG NC 143 AS FOLLOWS: (TMP-9) NC 143 FROM -L- STA 10+84± TO STA 26+18±,RT NC 143 FROM -L- STA 10+84+/- TO STA 26+49±, LT. THE CONTRACTOR SHALL KEEP EITHER THE WESTBOUND OR EASTBOUND SIDEWALK OPEN WHILE CONSTRUCTING THE OTHER. TO PLACE PROPOSED 30" CSP UNDER SR 1312 TATHAM ROAD DO AS FOLLOWS: (TMP-11) STEP 2A : PLACE 35'± OF 30" CSP AND CONSTRUCT 20' WIDE GRAVEL PATH AS SHOWN ON PLANS. STEP 2B: WORKING IN A CONTINUOUS MANNER CLOSE PART OF SR 1213, SHIFT TRAFFIC ONTO GRAVEL PATH, PLACE REMAINING SECTION OF 30" CSP,

SHIFT TRAFFIC BACK TO SR 1213, AND REMOVE GRAVEL PATH.

CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE: -DR1A- FROM -DR1A- STA 10+05± TO STA 11+07± (TMP-15) -DR1- FROM -DR1- STA 10+19± TO STA 11+71± (TMP-15) -DR2- FROM -DR2- STA 10+27± TO STA 11+60± (TMP-9)

CONSTRUCT RETAINING WALL #2 FROM -L- STA 11+79± TO STA 12+50± LT (TMP-9) CONSTRUCT RETAINING WALL #4 FROM -L- STA 168+50± TO STA 171+75± LT (TMP-15) CONSTRUCT RETAINING WALL #5 FROM -L- STA 175+35± TO STA 176+65± RT (TMP-15)

PLACE TEMPORARY CONCRETE BARRIER ALONG NC 143 AND SR 1277 AS SHOWN ON PLANS. BEGIN CONSTRUCTION OF CULVERT EXTENSION AT -L- STA 46+41±.(TMP-10) SEE STRUCTURE PLANS.

WITH TRAFFIC ON DET S5 CONSTRUCT PROPOSED 7'X8' RCBC AT -L- STA 108+27 WIDEN AND WEDGE NC 143 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA 104+67± TO STA 110+67± AS SHOWN ON PLANS. (TMP-13) SEE STRUCTURE PLANS.

PLACE TEMPORARY CONCRETE BARRIER ALONG NC 143 AND SR 1218 AS SHOWN ON PLANS. BEGIN CONSTRUCTION OF CULVERT EXTENSION AT -L- STA 113+69±. (TMP-13) SEE STRUCTURE PLANS.

WITH TRAFFIC ON DET-DR1A- CONSTRUCT PROPOSED 16'X9' RCBC AT -DR1A- STA 10+59±. (SEE TMP-15), SEE STRUCTURE PLANS

WITH TRAFFIC ON DET S8 CONSTRUCT PROPOSED 2@12'X8' RCBC AT -L- STA 195+16±. WIDEN AND WEDGE UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE NC 143 FROM -L- STA 192+35± TO STA 198+32± AS SHOWN ON PLANS. (TMP-16) SEE STRUCTURE PLANS

WORKING IN A CONTINUOUS OPERATION USING NCDOT RDS 1101.02 SHEET 1 OF 14 PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING PAVEMENT BY WEDGING AS NEEDED FROM -L STA 69+35± TO STA 87+25±, APPLY TEMPORARY PAVEMENT MARKINGS, AND SHIFT TRAFFIC AS SHOWN ON PLANS.

WIDEN NC 143 FROM -L- STA 73+25± TO STA 80+50± LT

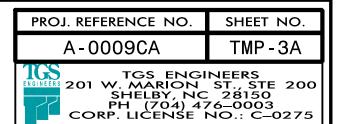
TMP-18

AFTER COMPLETION OF THE CULVERT CONSTRUCTION AT -L- STA 108+27± WORKING IN A CONTINUOUS OPERATION AND USING TEMPORARY LANE CLOSURES AND FLAGGERS CONSTRUCT THE TIE-INS BETWEEN THE NEWLY CONSTRUCTED NC 143 AND THE EXISTING ALIGNMENT AS SHOWN ON PLANS. PLACE TEMPORARY PAVEMENT MARKINGS AND SHIFT TRAFFIC AS SHOWN ON PLANS.

WIDEN NC 143 FROM -L- STA 100+50± TO STA 105+60± LT WIDEN NC 143 FROM -L- STA 100+84± TO STA 104+01± RT WIDEN NC 143 FROM -L- STA 109+82± TO STA 113+55± LT REMOVE DETOUR DET S5 AND RESTORE LANDSCAPE

TMP-19

APPROVED:		
DATE:	6/24/2022	
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AFTER COMPLETION OF THE CULVERT AT -DR1A- STA 10+59± SHIFT TRAFFIC ONTO -DR1A-REMOVE TEMPORARY DRAINAGE AND DETOUR -DET-DR1A-

WIDEN NC 143 FROM -L- STA 167+00± TO STA 168+50± LT CONSTRUCT RETAINING WALL #3 FROM -L- STA 167+75± TO STA 168+50± LT



PHASING