


PROJ. REFERENCE NO.	SHEET NO.
U-5839	TMP-3A
Infrastructure Consulting Services, Inc.	
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# PHASING

## NOTES

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES, SCHOOLS, BUS STOPS, EMERGENCY SERVICES, AND BUSINESSES DURING THE LIFE OF THE CONTRACT, PRIOR TO INCORPORATION, OBTAIN WRITTEN APPROVAL FROM THE ENGINEER ON METHOD TO MAINTAIN ACCESS.

COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT NO PONDING OF WATER WILL OCCUR WITHIN THE TRAVEL LANE.

WHEN USING LANE CLOSURES (RSD 1101.02), RETURN TRAFFIC TO EXISTING AND/OR TEMPORARY TRAFFIC PATTERN UPON ACTIVITIES COMPLETION, UNLESS OTHERWISE NOTED IN THE PHASING PLANS.

WHEN PHASING STATES TO USE LANE CLOSURES, REFER TO THE FOLLOWING FOR ALL EXISTING AND PROPOSED ROADS:

- ALL TWO-LANE/TWO-WAY FACILITIES SEE RSD 1101.02 SHEET 1 OF 14
- ALL 3-LANE OR 5-LANE ROADWAYS SEE RSD 1101.02 SHEET 2 OF 14
- ALL MULTI-LANE FACILITIES POSTED < 60 MPH SEE RSD 1101.02 SHEET 3 OF 14
- ALL MULTI-LANE FACILITIES POSTED > 60 MPH SEE RSD 1101.02 SHEET 4 OF 14
- ALL UNDIVIDED MULTI-LANE FACILITIES SEE RSD 1101.02 SHEET 7 OF 14
- ALL ENTRANCE AND EXIT RAMP SEE RSD 1101.02 SHEETS 9 AND 10 OF 14

COMPLETE PAVING UP TO, BUT NOT INCLUDING, THE FINAL LAYER OF SURFACE COURSE UNTIL STATED TO PLACE FINAL LAYER IN THE PHASING PLANS.

WHEN WEDGING OVER EXISTING PAVEMENT, WEDGE TO PROPOSED ELEVATION (LESS THE FINAL LAYER OF SURFACE COURSE), OR WEDGE AS NEEDED TO MAINTAIN TRAFFIC. MAINTAIN POSITIVE DRAINAGE AND MAINTAIN A MAXIMUM 0.04 ROLLOVER IN BOTH EXISTING AND/OR TEMPORARY TRAVEL LANES.

REPLACE MARKINGS AND RETURN TRAFFIC TO THE CURRENT TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

FOR ALL SHOULDER CLOSURES, SEE RSD 1101.04. WHEN PORTABLE CONCRETE BARRIER (PCB) IS PRESENT ON SHOULDERS, PLACE SHOULDER CLOSURE SIGNS & DEVICES IN ADVANCE OF PCB.

## SPECIAL TRAFFIC CONTROL NOTES

### PEDESTRIAN NOTE:

THROUGHOUT THE DURATION OF PHASE 1 AND PHASE 2, PEDESTRIANS WILL BE ABLE TO USE A RIDE SERVICE TO HELP ACCESS CLOSED SIDEWALKS OR LOCATIONS DISTURBED BY U-5839 CONSTRUCTION. THE SERVICE CAN BE REQUESTED BY CALLING THE NCDOT DIVISION 14 OFFICE AT 828-586-4043. PICK UP LOCATION CAN BE FOUND NOTED ON THE TRAFFIC CONTROL PLANS. DROP OFF LOCATIONS CAN ONLY BE ALONG RUSS AVENUE AND WHERE PEDESTRIANS CAN SAFELY EXIT VEHICLE. IF PEDESTRIANS NEED ASSISTANCE AFTER PHASE 2, IT MUST BE APPROVED BY THE CONTRACTOR. REFER TO CONTRACTS AT THE END OF THIS SUBMITTAL FOR MORE INFORMATION ON RIDE SHARE SERVICES.

### UTILITY NOTE:

MANY UTILITIES NEED TO BE INSTALLED AND/OR RELOCATED DUE TO THE ROADWAY IMPROVEMENTS OF U-5839. FOR PHASE I AND PHASE II CONSTRUCTION, USE FLAGGERS AS NEEDED TO COMPLETE UTILITY CROSSINGS. IT IS RECOMMENDED THAT NO MORE THAN ONE CROSSING REQUIRING A LANE CLOSURE IS COMPLETED AT A TIME, UNLESS APPROVED BY THE ENGINEER. (REFERENCE RSD 1101.02 AS NEEDED)

DUE TO THE LARGE AMOUNT OF UTILITIES BEING INSTALLED NEAR BRANNER AVENUE, SPECIAL CARE IS REQUIRED. CONTRACTOR TO COORDINATE WITH ALL UTILITY COMPANIES TO ENSURE UTILITIES ARE INSTALLED APPROPRIATELY WITH DRAINAGE OPEN CUTS TO MINIMIZE TRAFFIC IMPACTS.

### ACCESS NOTE:

FOR THE DURATION OF CONSTRUCTION, ENSURE ALL DRIVEWAY ACCESS IS MAINTAINED.

### INTERMEDIATE CONTRACT TIME NOTE:

REFER TO EACH CORRESPONDING ICT FOR MORE INFORMATION ON CONTRACT TIMELINES AND LIQUIDATED DAMAGES. ICT'S CAN BE FOUND AT THE END OF THIS SUBMITTAL.

## PHASE 1

STEP 1: (SEE TMP-4 THRU TMP-9)

USING LANE CLOSURES, PLACE TEMPORARY MARKINGS AND MARKERS AND SHIFT TRAFFIC TO THE PHASE 1 - STEP 1 TRAFFIC PATTERN.

INSTALL OFF-SITE DETOUR SIGNS AS SHOWN ON SHEETS TMP-25 THRU TMP-28, AND TMP-30 THRU TMP-31. COVER DETOUR SIGNING UNTIL DETOUR IS REQUIRED.

ONCE SHIFTED, USING LANE CLOSURES, INSTALL PCB, THEN BEHIND BARRIER, AWAY FROM TRAFFIC, AND USING LANE CLOSURES AS NEEDED, BEGIN CONSTRUCTION OF THE FOLLOWING:

- -L- STA. 10+19 +/- TO STA. 27+77 +/- (RIGHT SIDE)
- -L- STA. 10+19 +/- TO STA. 17+17 +/- (LEFT SIDE)
- -L- STA. 26+45 +/- TO STA. 68+85 +/- (LEFT SIDE)
- -Y4-
- -Y9- STA. 11+30 +/- TO STA. 16+26 +/- LT
- -Y11-
- -Y14- STA. 10+72 +/- TO STA. 14+60 +/- LT
- -Y16- STA. 15+95 +/- TO -L- STA. 73+20 +/- LT
- -Y20-
- -Y21RPA-

### NOTE 1:

TEMPORARY SHORING WILL BE NEEDED TO CONSTRUCT END BENTS FOR PROPOSED BRIDGES.

CLOSE BOUNDARY STREET, BRANNER AVENUE, WALNUT STREET, LEE STREET, US 276 SB OFF RAMP AND US 74 WEST ON RAMP TO THROUGH TRAFFIC AND OPEN DETOURS. AWAY FROM TRAFFIC, AND USING LANE CLOSURES AS NEEDED, COMPLETE CONSTRUCTION OF THE FOLLOWING:

- -Y2- (MUST BE COMPLETED PRIOR TO MOVING ONTO -Y2A- / -Y3-)
- -Y2A-
- -Y3-
- -Y5-
- -Y7-
- -Y9-
- -Y14-
- -Y21LPD- (MUST BE COMPLETED PRIOR TO MOVING ONTO -Y21RPD-)

### NOTE 2:

CONTRACTOR SHALL COMPLETE THE WORK OF -Y21LPD- AND EACH -Y- LINE CLOSURE IN 90 CONSECUTIVE CALENDAR DAYS. SEE ICT'S #2 THROUGH #8 AND LIQUIDATED DAMAGES LOCATED AT THE END OF THIS SUBMITTAL FOR MORE INFORMATION.

### NOTE 3:

THE FOLLOWING TEMPORARY SIGNALS WILL BE REQUIRED FOR THE PHASE 1 TRAFFIC PATTERN:

- -L- (RUSS AVE) AND -Y1- US 23 (NORTH MAIN ST)  
-- COVER SIGNAL HEADS AS NEEDED TO AVOID CONFUSION.
- -L- (RUSS AVE) AND -Y2- / -Y2A- (BOUNDARY ST)
- -L- (RUSS AVE) AND -Y5- (WALNUT ST)  
-- COVER SIGNAL HEADS AS NEEDED TO AVOID CONFUSION.
- -L- (RUSS AVE) AND -Y7- (LEE ST) / -Y18- (WAYNESVILLE PL)
- -L- (RUSS AVE) AND -Y9- (DELLWOOD RD) / -Y10- (HOWELL MILL RD)
- -L- (RUSS AVE) AND -Y17- (W. MARSHAL ST)
- -L- (RUSS AVE) AND -Y21LPD- AND -Y21RPD- (US 74 RAMPS)

STEP 2: (SEE TMP-10 THRU TMP-11)

AWAY FROM TRAFFIC AND USING LANE CLOSURES, PLACE TEMPORARY MARKINGS AND MARKERS, REMOVE -Y21LPD- BARRICADES AND DETOUR SIGNS AND SHIFT TRAFFIC TO THE PHASE 1 - STEP 2 TRAFFIC PATTERN.

ONCE -Y21LPD- BARRICADES AND DETOUR SIGNS HAVE BEEN REMOVED, CLOSE -Y21RPD- TO THROUGH TRAFFIC AND OPEN -Y21RPD- DETOUR.

ONCE SHIFTED AND -Y21LPD- IS PROPERLY DETOURED, AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, COMPLETE CONSTRUCTION OF THE FOLLOWING:

- -L- STA. 68+85 +/- TO STA. 73+20 +/- (LEFT SIDE)
- -Y9- STA. 11+30 +/- TO STA. 15+75 +/- (RIGHT SIDE)
- -Y14- STA. 10+72 +/- TO STA. 13+50 +/- (RIGHT SIDE)
- -Y16- STA. 15+95 +/- TO -Y16- STA. 17+50 +/-
- -Y21RPD-

AWAY FROM TRAFFIC AND USING LANE CLOSURES WHEN NEEDED, COMPLETE ALL CONSTRUCTION PREVIOUSLY BEGUN IN PHASE 1 - STEP 1.

### NOTE:

CONTRACTOR SHALL COMPLETE THE WORK OF -Y21RPD- AND EACH REMAINING -Y- LINE CLOSURE IN 90 CONSECUTIVE CALENDAR DAYS. SEE ICT #9 AND LIQUIDATED DAMAGES LOCATED AT THE END OF THIS SUBMITTAL FOR MORE INFORMATION.

## PHASE 2

STEP 1: (SEE TMP-12 THRU TMP-17)

AWAY FROM TRAFFIC AND USING LANE CLOSURES, REMOVE/RESET PCB, PLACE TEMPORARY MARKINGS AND MARKERS AND SHIFT TRAFFIC TO THE PHASE 2 - STEP 1 TRAFFIC PATTERN.

INSTALL OFF-SITE DETOUR SIGNS ALONG DETOUR ROUTE AS SHOWN ON SHEET TMP-29. CLOSE -Y21LPB- TO THROUGH TRAFFIC AND OPEN DETOUR.

ONCE SHIFTED, BEHIND BARRIER, AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, BEGIN CONSTRUCTION OF THE FOLLOWING:

- -L- STA. 17+17 +/- TO STA. 26+51 +/- (LEFT SIDE)
- -L- STA. 27+27 +/- TO STA. 59+52 +/- (RIGHT SIDE)
- -L- STA. 61+80 +/- TO STA. 73+20 +/- (RIGHT SIDE)
- -Y8-
- -Y10-
- -Y13-
- -Y14A-
- -Y15-
- -Y17-
- -Y18-

### NOTE 1:

TEMPORARY SHORING WILL BE NEEDED TO CONSTRUCT END BENTS FOR PROPOSED BRIDGES.

CLOSE -Y21LPB- TO THROUGH TRAFFIC AND OPEN DETOUR. AWAY FROM TRAFFIC, AND USING LANE CLOSURES AS NEEDED, COMPLETE CONSTRUCTION OF THE FOLLOWING:

- -L- STA. 61+92 +/- TO STA. 64+64 +/- (RIGHT SIDE)
- -Y21RPB- STA. 13+05 +/- TO STA. 16+50 +/-
- -Y21LPB-

### NOTE 2:

CONTRACTOR SHALL COMPLETE THE WORK OF -Y21LPB- CLOSURE IN 90 CONSECUTIVE CALENDAR DAYS. SEE ICT #12 AND LIQUIDATED DAMAGES LOCATED AT THE END OF THIS SUBMITTAL.

### NOTE 3:

THE FOLLOWING TEMPORARY SIGNALS WILL BE REQUIRED FOR THE PHASE 2 TRAFFIC PATTERN:

- -L- (RUSS AVE) AND -Y2- / -Y2A- (BOUNDARY ST)
- -L- (RUSS AVE) AND -Y5- (WALNUT ST)
- -L- (RUSS AVE) AND -Y7- (LEE ST)
- -L- (RUSS AVE) AND -Y9- (DELLWOOD RD) / -Y10- (HOWELL MILL RD)
- -L- (RUSS AVE) AND -Y13- (BARBER BLVD)
- -L- (RUSS AVE) AND -Y14- (FRAZIER ST)
- -L- (RUSS AVE) AND -Y16- (PHILLIPS RD)
- -L- (RUSS AVE) AND -Y17- (W. MARSHAL ST)
- -L- (RUSS AVE) AND -Y21LPD- AND -Y21RPD- (US 74 RAMPS)

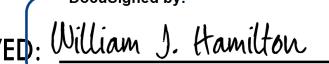
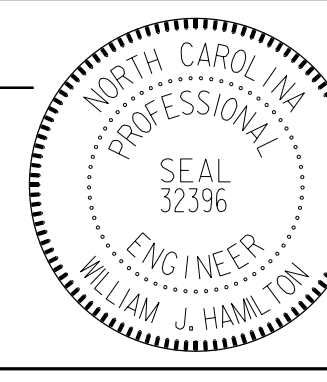
STEP 2: (SEE TMP-18)

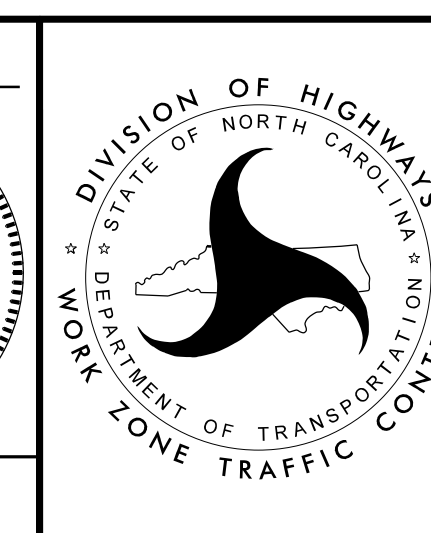
AWAY FROM TRAFFIC AND USING LANE CLOSURES, PLACE TEMPORARY MARKINGS AND MARKERS, REMOVE -Y21LPB- BARRICADES AND DETOUR SIGNS AND SHIFT TRAFFIC TO THE PHASE 2 - STEP 2 TRAFFIC PATTERN UTILIZING THE -Y21RPB- ALIGNMENT AND CLOSING THE EXISTING ON-RAMP TO US 74 EAST.

ONCE SHIFTED, AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, COMPLETE CONSTRUCTION OF THE FOLLOWING:

- -Y21RPB- STA. 13+05 +/- TO STA. 14+79 +/-

AWAY FROM TRAFFIC AND USING LANE CLOSURES WHEN NEEDED, COMPLETE ALL CONSTRUCTION PREVIOUSLY BEGUN IN PHASE 2 - STEP 1.

APPROVED: 
DATE: 2/23/2023
SEAL

<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>



TEMPORARY TRAFFIC CONTROL PHASING