

PROJ. REFERENCE NO.	SHEET NO.
W-5520	TMP-10

# AREA 2 TRAFFIC CONTROL PHASING

INSTALL WORK ZONE ADVANCE WARNING SIGNS PER RSD 1101.01.

UNLESS OTHERWISE NOTED BELOW, MAINTAIN ACCESS TO ALL DRIVES AND -Y- LINES THROUGHOUT THE DURATION OF CONSTRUCTION.

CONTRACTOR SHALL WORK IN AREAS 1 THROUGH 4 CONSECUTIVELY, FROM EAST TO WEST IN THE SEQUENCE OF AREA 4, AREA 3, AREA 2, AND LASTLY AREA 1. FOLLOW THE TIME RESTRICTIONS AND REQUIREMENTS SHOWN IN GENERAL NOTES AND AS DIRECTED BY THE ENGINEER. UPON COMPLETION OF EACH CONSTRUCTION AREA UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS, THE SUPERSTREET INTERSECTION TRAFFIC OPERATION PATTERN SHALL BE ACTIVATED FROM EAST TO WEST IN THE SEQUENCE OF AREA 4, AREA 3, AREA 2, AND LASTLY AREA 1.

## AREA 2: EAST OF CORPORATE BLVD. TO WEST OF TECHNOLOGY DR.

### PHASE I: EB US 74 WEDGING AND MEDIAN U-TURN CONSTRUCTION (TMP-11 THRU TMP13)

**STEP 1:**

USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT MILLING AND WEDGING ON -L2- (US 74) FROM STA 220+75 +/- TO STA 226+15 +/-, AND INSTALL TEMPORARY PAVEMENT MARKINGS. MAINTAIN TRAFFIC IN ITS EXISTING PATTERN ALONG -L2- AT THE END OF THE WORK PERIOD.

**STEP 2:**

USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT PROPOSED INSIDE SHOULDER AND MEDIAN U-TURN LANES, INCLUDING DRAINAGE STRUCTURES AND CONCRETE ISLANDS, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE AS FOLLOWS:

-L2- FROM STA 213+77 +/- TO STA 226+15 +/- (LT & RT SIDES)

THE CONTRACTOR SHALL USE TRENCHLESS INSTALLATION FOR THE DRAINAGE PIPE UNDER US 74.

-L2- STA. 221+32 +/-

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO EXISTING PAVEMENT AND APPROPRIATE CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED.

MAINTAIN TRAFFIC IN ITS EXISTING PATTERN AT THE END OF EACH WORK PERIOD.

**STEP 3:**

AWAY FROM TRAFFIC, USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT ROAD WIDENING AND BULBOUTS FOR U-TURN MOVEMENTS UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:

-L2- FROM STA 214+65 +/- TO STA 226+04 +/- (LT SIDE ONLY)

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO EXISTING PAVEMENT AND APPROPRIATE CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED.

MAINTAIN TRAFFIC IN ITS EXISTING PATTERN AT THE END OF EACH WORK PERIOD.

**STEP 4:**

USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, INSTALL PERMANENT TRAFFIC SIGNAL AND SIGNS AT THE EASTBOUND MEDIAN U-TURN. KEEP BOTH THE SIGNAL HEADS AND SIGNS COVERED.

INSTALL TEMPORARY PAVEMENT MARKINGS NECESSARY FOR THE SIGNALIZED EASTBOUND MEDIAN U-TURN OPERATIONS. THE PROPOSED MEDIAN U-TURN LANE AND BULBOUT LOCATION SHALL REMAIN CLOSED TO TRAFFIC.

ICT: COMPLETE THE WORK REQUIRED IN PHASE I STEP 5 FROM 9:00 P.M. ON FRIDAY TO 6:00 A.M. THE FOLLOWING SATURDAY, SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

**STEP 5:**

USING TEMPORARY LANE CLOSURES (RSD 1101.02), FLAGGERS, AND LAW ENFORCEMENT AS NEEDED, ACTIVATE THE PERMANENT TRAFFIC SIGNAL AT THE EASTBOUND MEDIAN U-TURN LOCATIONS, AND OPEN THE MEDIAN U-TURN LANE AND BULBOUT TO TRAFFIC.

INSTALL CMS AND DETOUR SIGNS ON EASTBOUND US 74 AS SHOWN ON TMP-15 & TMP-16, CLOSE THE EASTBOUND LEFT-TURN LANES WITH DRUMS AT THE INTERSECTION OF -L2- AND -Y3- / -Y4-, AND PLACE THE EASTBOUND LEFT-TURN TRAFFIC TO ITS TEMPORARY DETOUR ROUTE USING THE DOWNSTREAM MEDIAN U-TURN BULBOUT. MODIFY THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF -L2- AND -Y3- / -Y4- FOR THE TEMPORARY TRAFFIC PATTERN.

OBLITERATE EXISTING CONFLICTING PAVEMENT MARKINGS AND SYMBOLS AND PLACE TEMPORARY PAVEMENT MARKINGS AND SYMBOLS (SEE SHEET TMP-15 & TMP-16). TRAFFIC ON -Y3- AND -Y4- SHALL REMAIN IN ITS EXISTING TRAFFIC PATTERN AT THE END OF THE WORK PERIOD.

### PHASE II: WB US 74 MEDIAN U-TURN CONSTRUCTION (TMP-14 THUR TMP-16)

**STEP 1:**

USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT PROPOSED INSIDE SHOULDER AND MEDIAN U-TURN LANES, INCLUDING DRAINAGE STRUCTURES AND CONCRETE ISLANDS, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE AS FOLLOWS:

-L2- FROM STA 205+10 +/- TO STA 212+29 +/- (LT & RT SIDES)

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO EXISTING PAVEMENT AND APPROPRIATE CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED.

TRAFFIC WILL BE IN ITS EXISTING PATTERN ON -Y3- / -Y4- AND ITS TEMPORARY TRAFFIC PATTERN ALONG -L2- WITH THE MEDIAN AND EASTBOUND LEFT-TURN LANES CLOSED TO TRAFFIC AT THE END OF EACH WORK PERIOD. MAINTAIN THE EASTBOUND LEFT-TURN DETOUR ROUTE.

**STEP 2:**

UPON COMPLETION OF THE WORK REQUIRED IN PHASE II STEP 1, CLOSE ENTRANCE TO KATE'S SKATE ON EASTBOUND US 74 NEAR STA. L2- 205+50 +/- . AWAY FROM TRAFFIC, USING TEMPORARY LANE CLOSURES (RSD 1101.02) AND FLAGGERS AS NEEDED, CONSTRUCT PROPOSED ENTRANCE TO KATE'S SKATE, ROAD WIDENING AND BULBOUT FOR U-TURN MOVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:

-L2- FROM STA 205+19 +/- TO STA 207+95 +/- (RT SIDE ONLY)

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO EXISTING PAVEMENT AND APPROPRIATE CROSS SLOPES TO ENSURE POSITIVE DRAINAGE. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED.

MAINTAIN THE EASTBOUND LEFT-TURN DETOUR ROUTE AND THE TEMPORARY TRAFFIC PATTERN ALONG -L2- WITH THE PROPOSED ENTRANCE TO KATE'S SKATE, WESTBOUND MEDIAN U-TURN LANE AND BULBOUT LOCATION CLOSED AT THE END OF EACH WORK PERIOD. TRAFFIC ON -Y3- / -Y4- WILL REMAIN IN ITS EXISTING PATTERN.

2/10/2017 14:41:55 US74\TrafficControl\CPN\W5520\_TC\_PSH\_03.dgn USEB0442

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

## TEMPORARY TRAFFIC CONTROL PHASING