

## PHASING

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.

COMPLETE PAVEMENT WEDGING/ BUILD UP IN SUCH A MANNER THAT NO PONDING OF WATER WILL OCCUR WITHIN THE TRAVEL LANE. MAINTAIN POSITIVE DRAINAGE AND A MAXIMUM OF 0.04 ROLLOVER IN EXISTING TRAVEL LANES.

USE RSD 1101.02 SHEET 4 OF 14 TO CLOSE A SINGLE LANE FOR ALL TIE IN WORK NECESSARY FOR PAVEMENT REHABILITATION.

USE LAW ENFORCEMENT AS NECESSARY TO INITIALLY CLOSE RAMPS, OR AS DIRECTED BY THE ENGINEER.

RAMPS CAN BE CONSTRUCTED IN ANY ORDER, ONE MAP AT A TIME.

FOR ALL OTHER RAMP RESURFACING NOT SPECIFIED IN THIS PHASING, REFERENCE "WORK ZONE TRAFFIC CONTROL FOR INTERSTATE/FREEWAY RESURFACING PROJECTS" SPECIAL PROVISION.

### MAP 15, I-77/I-85 OFF RAMPS

#### PHASE 1

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 1 THROUGH PHASE 1, STEP 3 ON MAP 15, BEGINNING 9:00 P.M. THE FRIDAY THE CONTRACTOR ELECTS TO BEGIN THE WORK. ALL LANES OF TRAFFIC SHALL BE OPEN BY 6:00 A.M. ON THE THIRD MONDAY AFTER THE CONTRACTOR ELECTS TO BEGIN THE WORK. SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES.

**STEP 1:**

USING TMP-4, TMP-5, AND TMP-6, INSTALL TRAFFIC CONTROL DEVICES AND CLOSE OFF RAMP AND AUXILIARY LANE ON I-85 NORTH TO STATESVILLE AVE (-RPC2-), AND CLOSE THE OFF RAMP ON I-77 NORTH TO STATESVILLE AVE (-RPC1-). DETOUR TRAFFIC OFFSITE. COORDINATE WITH THE CITY OF CHARLOTTE TO MODIFY EXISTING SIGNAL AT STATESVILLE AVE (-Y-) INTERSECTION.

**STEP 2:**

ON MAP 15, CONSTRUCT -RPC2-, UP TO BUT NOT INCLUDING FINAL SURFACE LAYER, UNDER TEMPORARY RAMP CLOSURE. INSTALL TEMPORARY PAVEMENT MARKINGS.

**STEP 3:**

UPON COMPLETION OF -RPC2- RAMP WORK, REMOVE DETOUR SIGNS AND OTHER TRAFFIC CONTROL DEVICES AND RESTORE TRAFFIC TO NORMAL PATTERNS.

#### PHASE 2

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 2, STEP 1 THROUGH PHASE 2, STEP 3 ON MAP 15, BEGINNING 9:00 P.M. THE FRIDAY THE CONTRACTOR ELECTS TO BEGIN THE WORK. ALL LANES OF TRAFFIC SHALL BE OPEN BY 6:00 A.M. ON THE SECOND MONDAY AFTER THE CONTRACTOR ELECTS TO BEGIN THE WORK. SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES.

**STEP 1:**

USING TMP-2A AND TMP-6, INSTALL TRAFFIC CONTROL DEVICES TO CLOSE OFF RAMP ON I-77 NORTH TO STATESVILLE AVE (-RPC1-). DETOUR TRAFFIC OFFSITE. OFF RAMP ON I-85 NORTH TO STATESVILLE AVE (-RPC2-) SHALL REMAIN OPEN TO ALL LANES.

**STEP 2:**

ON MAP 15, CONSTRUCT -RPC1-, UP TO BUT NOT INCLUDING THE FINAL SURFACE LAYER FROM STATION 10+00 TO 21+40. INSTALL TEMPORARY PAVEMENT MARKINGS.

**STEP 3:**

REMOVE DETOUR SIGNS AND REOPEN ROADWAY.

**STEP 4:**

CONSTRUCT FINAL SURFACE LAYER FOR -RCP1- AND -RCP2- UNDER NIGHTLY RAMP CLOSURES. INSTALL FINAL PAVEMENT MARKINGS/MARKERS.

### MAPS 16, 17 AND 18 RAMPS

**STEP 1:**

USING TMP-2A AND TMP-7, TMP-8 OR TMP-9, INSTALL TRAFFIC CONTROL DEVICES TO CLOSE RAMPS AND DETOUR TRAFFIC OFFSITE.

**STEP 2:**

CONSTRUCT MAPS 16, 17, OR 18 UNDER NIGHTLY RAMP CLOSURES FOR EACH RESPECTIVE I-85 RAMP, ONE AT A TIME. INSTALL FINAL PAVEMENT MARKINGS/MARKERS.

**STEP 3:**

UPON COMPLETION OF MAPS 16, 17, OR 18 PAVEMENT REHABILITATION, REMOVE DETOUR SIGNS AND OTHER TRAFFIC CONTROL DEVICES AND RESTORE TRAFFIC TO NORMAL PATTERNS.

### MAP 19, I-85 ON RAMP

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN STEP 1 THROUGH STEP 3 ON MAP 19, BEGINNING 9:00 P.M. THE FRIDAY THE CONTRACTOR ELECTS TO BEGIN THE WORK. ALL LANES OF TRAFFIC SHALL BE OPEN BY 6:00 A.M. ON THE SECOND MONDAY AFTER THE CONTRACTOR ELECTS TO BEGIN THE WORK. SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES.

**STEP 1:**

USING TMP-2A, INSTALL TRAFFIC CONTROL DEVICES AND CLOSE I-85 SOUTH ON RAMP (-RPD-). USE DRUMS TO CLOSE LEFT TURN LANES ON STATESVILLE AVE (-Y-) AS SHOWN IN TMP-10. DETOUR TRAFFIC OFFSITE.

**STEP 2:**

ON MAP 19, CONSTRUCT -RPD- UNDER TEMPORARY RAMP CLOSURE, UP TO BUT NOT INCLUDING FINAL SURFACE LAYER. INSTALL TEMPORARY PAVEMENT MARKINGS.

**STEP 3:**

UPON COMPLETION OF -RPD- PAVEMENT REHABILITATION, REMOVE DETOUR SIGNS AND OTHER TRAFFIC CONTROL DEVICES AND RESTORE TRAFFIC TO NORMAL PATTERN.

**STEP 4:**

CONSTRUCT FINAL SURFACE COURSE & INSTALL FINAL PAVEMENT MARKINGS AND MARKERS UNDER NIGHTLY RAMP CLOSURE.


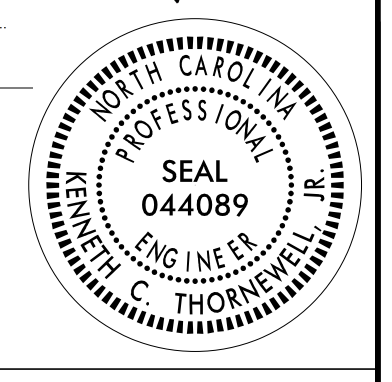

## MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

**RECOMMENDED STRATEGIES:**

- RAMP CLOSURES / RELOCATION
- OFF-SITE DETOURS / USE OF ALTERNATIVE ROUTES
- TEMPORARY TRAFFIC SIGNALS
- DEDICATED (PAID) LAW ENFORCEMENT

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<p>APPROVED: </p> <p>DATE: 3/8/2021</p>			<h3 style="margin: 0;">PHASING AND MANAGEMENT STRATEGIES</h3>
<p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>			