

## MANAGEMENT STRATEGIES

- INSTALL TWO TEMPORARY TRAFFIC SIGNALS FOR THE DURATION OF THE OFFSITE DETOUR AT THE FOLLOWING INTERSECTIONS:  
NC HW 54 & NEVILLE RD (SR 1945)  
NC HW 54 & HATCH RD (SR 1944)
- CLOSE SR 1005 (OLD GREENSBORO ROAD) AND DETOUR TRAFFIC OFFSITE
- LOCAL ACCESS TO ALL RESIDENCES AND BUSINESSES WILL BE MAINTAINED BETWEEN CLOSURE POINTS AT ALL TIMES DURING CONSTRUCTION
- PROVIDE THIRTY DAYS NOTICE TO THE ENGINEER, ORANGE COUNTY EMERGENCY SERVICES, AND ORANGE COUNTY SCHOOL OFFICIALS PRIOR TO ROAD CLOSURE

## GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

### TIME RESTRICTIONS

- A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:
- | ROAD NAME | DAY AND TIME RESTRICTIONS   |
|-----------|---|
| NC 54     | MONDAY THROUGH FRIDAY<br>7:00 AM TO 9:00 AM AND<br>4:00 PM TO 6:00 PM |
- B) DO NOT STOP TRAFFIC AS FOLLOWS:
- | ROAD NAME | DAY AND TIME RESTRICTIONS   | DURATION AND OPERATION                                   |
|-----------|---|--|
| NC 54     | MONDAY THROUGH FRIDAY<br>7:00 AM TO 9:00 AM AND<br>4:00 PM TO 6:00 PM | 15 MINUTES FOR INSTALLING<br>TEMPORARY PAVEMENT MARKINGS |

### LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- G) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

### TRAFFIC PATTERN ALTERATIONS

- H) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

### SIGNING

- I) INSTALL ADVANCE WORK ZONE WARNING SIGNS NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

- J) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.  
  
PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- K) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.  
  
COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

### PAVEMENT MARKINGS AND MARKERS

- M) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:
- | ROAD NAME | MARKING | MARKER |
|-----------|---------|--------|
| ALL ROADS | PAINT   | NONE   |
- N) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
  - O) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
  - P) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

### LOCAL NOTE

- Q) STATE FORCES WILL BE RESPONSIBLE FOR PROVIDING ADVISORY SIGNING REQUIRED FOR TEMPORARY TRAFFIC SIGNALS.

## PHASING

PROVIDE THIRTY DAYS NOTICE TO THE ENGINEER, ORANGE COUNTY EMERGENCY SERVICES, AND ORANGE COUNTY SCHOOL OFFICIALS PRIOR TO ROAD CLOSURE.

- STEP 1 USING RSD 1101.01 SHEET 3 OF 3, PLACE ADVANCE WARNING SIGNS ON NC 54, NEVILLE RD, AND HATCH RD.
- STEP 2 USING RSD 1101.02 SHEET 1 OF 15 AND RSD 1101.04 AS NECESSARY, INSTALL TEMPORARY SIGNALS ACCORDING TO THE SIGNAL PLANS, TEMPORARY PAVEMENT MARKINGS, AND STATIONARY WORK ZONE SIGNS W3-3 (SIGNAL AHEAD) AND SP-1 (TEMPORARY SIGNAL).
- STEP 3 USING RSD 1101.03 SHEET 1 OF 9, CLOSE OLD GREENSBORO ROAD (SR 1005), ACTIVATE TEMPORARY SIGNALS, AND DETOUR TRAFFIC OFFSITE AS SHOWN ON TMP-3. MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESSES BETWEEN CLOSURE POINTS.
- STEP 4 AWAY FROM TRAFFIC, PERFORM THE FOLLOWING:
  - REMOVE THE EXISTING STRUCTURE, AND CONSTRUCT THE PROPOSED STRUCTURE AND ROADWAY.
  - PLACE FINAL PAVEMENT MARKINGS ACCORDING TO THE PAVEMENT MARKING PLANS.
- STEP 5 COVER TEMPORARY SIGNAL AND STATIONARY WORK ZONE TRAFFIC SIGNS W3-3 AND SP-1, INSTALLED IN STEP 2. AND OPEN OLD GREENSBORO ROAD (SR 1005) TO TRAFFIC.
- STEP 6 USING RSD 1101.02 SHEET 1 OF 15 AS NECESSARY, REMOVE TEMPORARY SIGNALS, REMOVE TEMPORARY PAVEMENT MARKINGS, AND RETURN PAVEMENT MARKINGS TO THE PRECONSTRUCTION CONDITION.
- STEP 7 REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES.

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**SEPI**  
ENGINEERING & CONSTRUCTION

1025 Wade Avenue  
Raleigh, NC 27605  
Tel: 919-789-9977  
Fax: 919-789-9591  
License: C-2197

APPROVED: *Steve Miller*  
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**TRANSPORTATION OPERATION PLAN**