

MANAGEMENT STRATEGIES

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

RECOMMENDED STRATEGIES:

TRAFFIC MANAGEMENT STRATEGIES:

- FULL ROADWAY CLOSURES
- ROLLING ROADBLOCK
- LANE SHIFTS OR CLOSURES
- SHOULDER CLOSURES
- ONE-LANE, TWO WAY OPERATION (FLAGGING)
- TWO-WAY TRAFFIC ON ONE SIDE OF DIVIDED FACILITY (CROSSOVER)
- RAMP CLOSURES / RELOCATION
- NIGHT WORK
- WEEKEND WORK
- WORK HOUR RESTRICTIONS FOR PEAK TRAVEL
- OFF-SITE DETOURS / USE OF ALTERNATIVE ROUTES
- ON-SITE DETOURS

WORK ZONE SAFETY & MOBILITY STRATEGIES:

- SPEED LIMIT REDUCTION
- TEMPORARY TRAFFIC SIGNALS
- DIGITAL SPEED LIMIT SIGNS / VARIABLE SPEED LIMITS
- SEQUENTIAL LIGHTING
- PRESENCE LIGHTING
- WORK ZONE PERFORMANCE PAVEMENT MARKINGS
- HIGH VISIBILITY DEVICES
- CONNECTED LANE CLOSURE DEVICES
- TYPICAL MEDIAN ACCESS AREAS

TRAFFIC / INCIDENT MANAGEMENT & SPEED ENFORCEMENT STRATEGIES:

- ITS FOR TRAFFIC MONITORING / MANAGEMENT (SMART WORKZONE)
- COORDINATION WITH STATE TRAFFIC OPERATIONS CENTER (STOC)
- COORDINATION WITH MEDIA
- LOCAL DETOUR ROUTES
- DEDICATED (PAID) LAW ENFORCEMENT
- COOPERATIVE LAW ENFORCEMENT (HAWKS)
- INCREASED PENALTIES FOR WORK ZONE VIOLATIONS

CONTRACTING & INNOVATIVE CONSTRUCTION STRATEGIES:

INTERMEDIATE CONTRACT TIMES / LIQUIDATED DAMAGES

MAINTENANCE OF DRAINAGE STRATEGIES:

- PERFORM WORK IN A MANNER THAT MAINTAINS POSITIVE DRAINAGE DURING CONSTRUCTION. IMPLEMENT A COMBINATION OF PHASED CONSTRUCTION OF PROPOSED PIPE NETWORKS, MAINTAINING EXISTING DRAINAGE NETWORKS, AND TEMPORARY PIPES, STEEL PLATES, AND DRAINAGE STRUCTURES AS REQUIRED, AS DIRECTED BY THE ENGINEER, AND AS DETAILED IN THE TEMP.
- PROVIDE WEDGING AS REQUIRED TO PROMOTE POSITIVE DRAINAGE AND SMOOTH TRANSITIONS. IN CONDITIONS WHERE WEDGING IS REQUIRED ACROSS PCB IN ORDER TO UNIFORMLY BUILD PAVEMENT UP, UTILIZE TEMPORARY LANE CLOSURES AS REQUIRED TO TEMPORARILY RESET PCB.
- PRELIMINARY HYDRAULIC ANALYSIS OF THE TEMPORARY CONDITIONS INDICATE HYDROPLANING MAY OCCUR ON TRAVEL LANES WHERE SHEET FLOW DRAINAGE WIDTHS EXCEED 60'. THE 60' WIDTH IS IDENTIFIED FROM THE TEMPORARY CROWN POINT TO THE FARTHEST EDGE OF TRAVEL OF THE TEMPORARY TRAFFIC PATTERN. THE CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE MEASURES WITHIN THE WORK AREA AND BEHIND BARRIER AS REQUIRED AS TO NOT CONTRIBUTE TO SHEET FLOW DRAINAGE ACROSS THE TEMPORARY TRAVEL LANES.

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.

CONSTRUCTION OPERATIONS REQUIRING A LANE CLOSURE ON A RAMP/LOOP SECTION WITH A SINGLE LANE SHALL BE DEFINED AS A ROAD CLOSURE AND SHALL BE SUBJECT TO THE INTERMEDIATE CONTRACT TIMES FOR ROAD CLOSURES FOUND IN GENERAL NOTE C.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-95	6:00 A.M. TO 7:00 P.M. MONDAY THRU THURSDAY 6:00 A.M. TO 9:00 P.M. FRIDAY THRU SUNDAY
NC 20 (EXIT 31)	7:00 A.M. TO 9:00 A.M. MONDAY THRU FRIDAY 4:00 P.M. TO 6:00 P.M. MONDAY THRU FRIDAY
US 301 (EXIT 33)	7:00 A.M. TO 9:00 A.M. MONDAY THRU FRIDAY 4:00 P.M. TO 6:00 P.M. MONDAY THRU FRIDAY

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME
I-95, NC 20 (EXIT 31), US 301 (EXIT 33)

HOLIDAY

1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 P.M. FRIDAY TO 9:00 P.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-95 (INCLUDING ALL RAMPS)	6:00 A.M. TO 11:00 P.M. MONDAY THRU SUNDAY

D) DO NOT CONDUCT MULTI-VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS WILL NOT BE ALLOWED:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-95 (INCLUDING ALL RAMPS)	6:00 A.M. TO 6:00 P.M. MONDAY THRU THURSDAY 6:00 A.M. TO 7:00 P.M. FRIDAY THRU SUNDAY

E) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

F) 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.

G) 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.

H) 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.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 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.

PLANS PREPARED FOR THE NCDOT BY:

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DATE: 4/29/2022

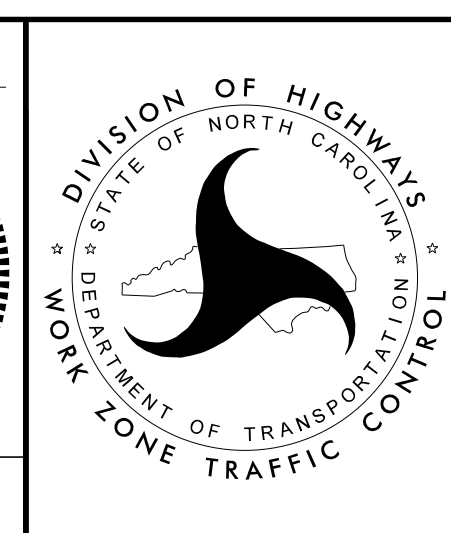
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APPROVED: *J.W. Woolard Jr.*
DATE: 4/29/2022

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TRANSPORTATION OPERATIONS PLAN

4/8/2022 Us\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\SERIES I AND 2\I-5987B_TC_TMP-01C_General_Notes.dgn User:angood