

MANAGEMENT STRATEGIES

THE OBJECTIVE OF THIS PROJECT IS TO REMOVE AND REPLACE THE US 29/601 NB & SB BRIDGES WITH A SINGLE BRIDGE USING A COMBINATION OF AN ON-SITE DETOUR AND STAGED BRIDGE CONSTRUCTION WHILE MAINTAINING TWO LANES OF TRAVEL IN EACH DIRECTION.

DURING PHASE I, TRAFFIC REMAINS IN ITS CURRENT PATTERN WHILE THE ON-SITE DETOUR AND TEMPORARY BRIDGE ARE CONSTRUCTED TO THE NORTH OF THE SITE.

IN PHASE II, THE SB LANES ARE SHIFTED TO THE TEMPORARY DETOUR AND THE TEMPORARY MEDIAN CROSS-OVER IS CONSTRUCTED FOR THE NB LANES TO BE SHIFTED TO THE EXISTING SB BRIDGE.

PHASE III BEGINS WITH THE NB TRAFFIC SHIFTED ONTO THE SB BRIDGE USING THE TEMPORARY MEDIAN CROSS-OVERS. AT THIS TIME THE EXISTING NB BRIDGE IS REMOVED AND THE PROPOSED NB LANES ARE CONSTRUCTED AS MUCH AS POSSIBLE AWAY FROM TRAFFIC WITH PARTIAL CONSTRUCTION OF THE PROPOSED BRIDGE. ONCE THE BRIDGE AND ROADWAY ARE COMPLETED, PCB AND PAVEMENT MARKING ARE INSTALLED AS MUCH AS POSSIBLE WITHOUT DISTURBING THE EXISTING TRAFFIC. AN ICT ALLOWING THE EXISTING NB TRAFFIC TO BE PLACED IN ONE LANE OVER A WEEKEND IS USED TO COMPLETE THE REMAINING SECTIONS OF PAVEMENT. TRAFFIC IS IMMEDIATELY SHIFTED TO THE NEWLY CONSTRUCTED BRIDGE AND THE INSTALLATION OF PCB COMPLETED.

PHASE IV BEGINS WITH THE REMOVAL OF THE EXISTING SB BRIDGE, CONSTRUCTION OF THE THE CENTER SECTION OF THE PROPOSED BRIDGE AND AS MUCH AS POSSIBLE OF THE SB LANES WITHOUT DISTURBING THE EXISTING TRAFFIC. LANE CLOSURES TEMPORARY ALIGNMENTS ARE COMPLETED TO SHIFT SB TRAFFIC TO TEMPORARY PATTERN ALONG FUTURE MEDIAN / ISLAND AREA. TEMPORARY PAVEMENT MARKING IS PLACED AS MUCH AS POSSIBLE WITHOUT DISTURBING THE EXISTING TRAFFIC. AN ICT ALLOWING THE EXISTING SB TRAFFIC TO BE PLACED IN ONE LANE OVER A WEEKEND IS USED TO COMPLETE THE REMAINING SECTION OF PAVEMENT. TRAFFIC IS IMMEDIATELY SHIFTED TO THE NEWLY CONSTRUCTED BRIDGE AND PLACEMENT OF PAVEMENT MARKING COMPLETED.

DURING PHASE V, THE TEMPORARY BRIDGE IS REMOVED AND LANE CLOSURES ARE USED AS NEEDED TO REMOVE THE TEMPORARY DETOUR AND COMPLETE THE WIDENING AND RETAINING WALL ALONG THE OUTSIDE OF THE NB LANES. THE PROPOSED BRIDGE IS COMPLETED AT THIS TIME. TEMPORARY PAVEMENT MARKING IS PLACED AND TRAFFIC IS SHIFTED TO THE PHASE VI PATTERN.

WITH TRAFFIC SEPARATED INTO THE OUTERMOST LNAES IN EACH DIRECTION, PHASE VI INCLUDES REMOVAL OF ALL PCB AND COMPLETION OF PROPOSED ISLAND & MEDIAN WORK. THE PROJECT IS FINALIZED WITH THE PLACEMENT OF THE FINAL LAYER OF SURFACE COURSE AND PLACEMENT OF THE FINAL PAVEMENT MARKINGS AND MARKERS.

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:

<u>ROAD NAME</u>	<u>DAY AND TIME RESTRICTIONS</u>
US 29 / US 601	MONDAY THRU FRIDAY 7:00 AM - 9:00 AM & 4:00 PM - 6:00 PM

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

ROAD NAME

US 29 / US 601

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31ST TO 6:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN UNTIL 6:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

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

C) DO NOT STOP TRAFFIC AS FOLLOWS:

<u>ROAD NAME</u>	<u>DAY AND TIME RESTRICTIONS</u>	<u>DURATION AND OPERATION</u>
US 29 / US 601	MONDAY-FRIDAY 7:00 AM - 9:00 AM & 4:00 PM - 6:00 PM	15 MINUTE INCREMENTS FOR TRAFFIC SHIFTS

D) 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

- E) 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.
- F) 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.
- G) 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.
- H) 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.

- I) 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.
- J) DO NOT INSTALL MORE THAN ONE LANE CLOSURE, IN ANY ONE DIRECTION, ON -L- (US 29 / US 601).

PAVEMENT EDGE DROP OFF REQUIREMENTS

- K) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
- BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
- BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
- BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- L) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE OF THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

M) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

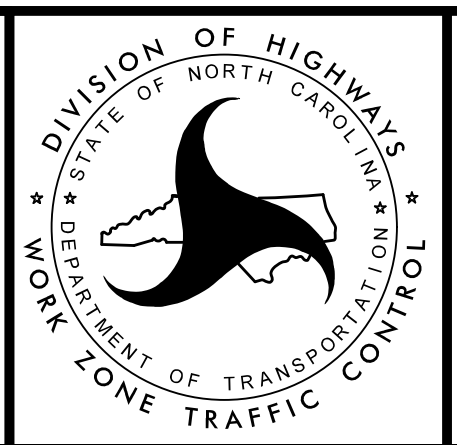
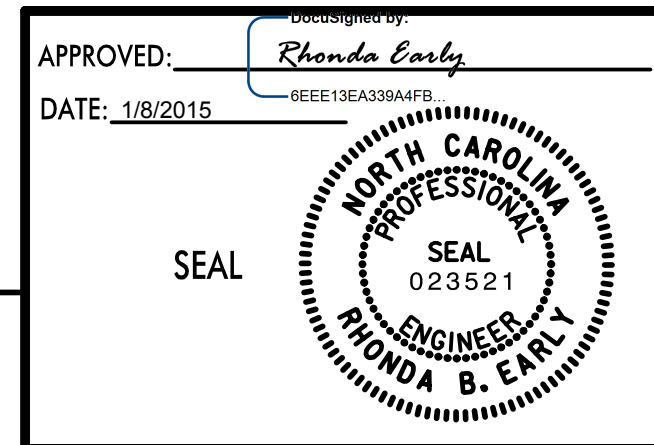
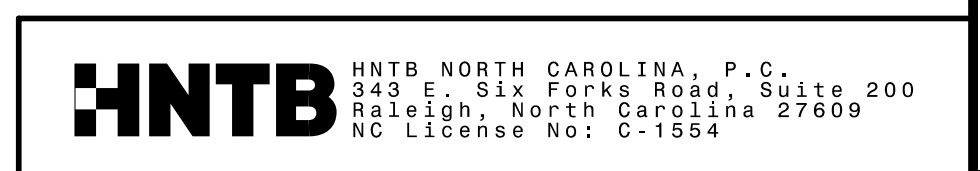
REVISIONS

8/17/99

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\$\$\$\$\$USERNAME\$\$\$\$\$

QA/QC STAGE:

REVIEW: _____
CONCUR: _____
REVISE: _____
VERIFY: _____



TRANSPORTATION
MANAGEMENT PLAN
TRANSPORTATION
OPERATIONS PLAN
(MANAGEMENT STRATEGIES
& GENERAL NOTES)