


PROJECT NOTES

PROJ. REFERENCE NO.	SHEET NO.
U-3308	TMP-2
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MANAGEMENT STRATEGIES

THIS PROJECT WILL BE COMPLETED BY MAINTAINING TRAFFIC ON EXISTING NC 55 AND NC 147, EXCEPT AS NOTED IN THE PHASING FOR OVERHEAD BRIDGE WORK, DRAINAGE INSTALLATIONS, AND UTILITY WORK AS NECESSARY. RECONSTRUCTION OF NC 55/NC 147 RAMPS WILL BE COMPLETED BY USE OF FLAGGERS, CLOSURES AND DETOURS. ALL OTHER CONSTRUCTION AND Y-LINE WORK WILL BE COMPLETED AWAY FROM TRAFFIC DURING A CLOSURE OF EACH STREET. TIE-INS OF EACH Y-LINE TO NC 55 WILL BE COMPLETED BY USE OF FLAGGERS AND LANE CLOSURES ALONG NC 55. TEMPORARY PAVEMENT AND TRAFFIC SHIFTS WILL BE REQUIRED TO MAINTAIN TRAFFIC AND ALLOW ADEQUATE ROOM FOR CONSTRUCTION. TEMPORARY PAVEMENT AND TEMPORARY WEDGING WILL BE REQUIRED TO TRANSITION FROM EXISTING PAVEMENT TO THE PERMANENT PAVEMENT AND FOR TEMPORARY TIE-INS FROM EXISTING NC 55 TO Y-LINES WHERE THE PROPOSED GRADES DO NOT MATCH EXISTING NC 55.

PEDESTRIANS ACCESS WILL BE MAINTAINED ALONG EXISTING FACILITIES AND NEW SECTIONS OF PERMANENT SIDEWALK. WHEN REQUIRED DUE TO CLOSURES OF EXISTING SIDEWALK, PEDESTRIAN ACCESS WILL BE MAINTAINED BY USE OF PEDESTRIAN DETOURS ALONG ADJACENT STREETS.

THE REPLACEMENT OF THE NC 55 BRIDGE OVER NC 147 WILL BE COMPLETED BY USE OF TEMPORARY TRAFFIC PATTERNS ON NC 55 WHILE MAINTAINING TRAFFIC ON NC 55 AND NC 147. TEMPORARY CLOSURES OF NC 147 WILL BE REQUIRED TO COMPLETE OVERHEAD BRIDGE WORK.

WIDENING OF AND CONSTRUCTION ALONG RAMPS -R1- AND -R2- WILL BE COMPLETED UNDER TRAFFIC OR BY USE OF TEMPORARY RAMP CLOSURES. RECONSTRUCTION OF RAMPS -R3- AND -R5- WILL BE COMPLETED BY USE OF SHORT-TERM CLOSURES DURING THEIR RESPECTIVE PHASE. RAMP -R4- WILL BE CLOSED AND DETOURED LONG-TERM FOR THE DURATION OF PHASE 2.

CONSTRUCTION OF PHASE 1, STEPS 1-10, NORTH OF THE NC 147 INTERCHANGE, WILL BE COMPLETED BY MAINTAINING TRAFFIC IN THE EXISTING PATTERNS AND COMPLETING ALL TEMPORARY PAVEMENT, WIDENING, AND NEW LOCATION SECTIONS AWAY FROM TRAFFIC OR BY USE OF FLAGGERS AND LANE CLOSURES.

TRAFFIC WILL THEN BE SHIFTED TO AREAS OF TEMPORARY PAVEMENT ALONG NC 55 FROM MAIN STREET TO HOLLOWAY STREET TO ALLOW PERMANENT CONSTRUCTION TO CONTINUE IN PHASE 1, STEPS 11-21.

TRAFFIC WILL BE SHIFTED TO A TEMPORARY PATTERN ON AREAS OF NEW PAVEMENT ALONG NC 55 TO ALLOW PERMANENT CONSTRUCTION TO CONTINUE IN PHASE 2.

IN PHASE 3, TRAFFIC WILL BE SHIFTED TO THE FINAL PATTERN ON NC 55, SOUTH OF MAIN STREET. NORTH OF MAIN STREET TRAFFIC WILL BE PLACED IN A TEMPORARY PATTERN BY USE OF DRUMS. IN ORDER TO UTILIZE THE FINAL SIGNAL PATTERNS, TRAFFIC WILL BE PLACED IN THE FINAL PATTERN ON NC 55 AT EACH SIGNALIZED INTERSECTION NORTH OF MAIN STREET. USING LANE CLOSURES, ALL REMAINING MEDIAN WORK WILL BE COMPLETED, FOLLOWED BY REMAINING OUTSIDE CURB AND GUTTER AND SIDEWALK WORK.

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
1) -YA-/DURHAM FREEWAY (NC 147) -R1-, -R2-, -R3-, -R4-, -R5-	MON-FRI: 6:00 A.M. TO 8:00 P.M. SAT & SUN: 10:00 A.M. TO 8:00 P.M.
2) -LALT-/ALSTON AVENUE (NC 55) -Y2/ANGIER AVENUE (SR 1926) -Y4- & -Y5-/MAIN STREET -Y18-/LIBERTY STREET -Y22-/HOLLOWAY STREET (US 70 BUS / NC 98)	MON-FRI: 7:00 A.M. TO 9:00 A.M. & 4:00 P.M. TO 7:00 P.M.

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

ROAD NAME

- LALT-/ALSTON AVENUE (NC 55)
- YA-/DURHAM FREEWAY (NC 147), AND RAMPS -R1-, -R2-, -R3-, -R4-, -R5-
- Y2-/ANGIER AVENUE (SR 1926)
- Y4- & -Y5-/MAIN STREET
- Y15-/TAYLOR STREET
- Y18-/LIBERTY STREET
- Y22-/HOLLOWAY STREET (US 70 BUS/NC 98)

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 8:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:00 P.M. THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 8:00 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 8:00 P.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:00 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 8:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 8:00 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 8:00 P.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
9. FOR EVENTS OCCURRING AT THE FOLLOWING VENUES BETWEEN TWO (2) HOURS BEFORE THE START AND TWO (2) HOURS AFTER THE END.
 - DUKE UNIVERSITY - GRADUATION, FOOTBALL GAMES, MEN'S BASKETBALL GAMES, AND WOMEN'S BASKETBALL GAMES
 - DURHAM BULLS ATHLETIC PARK
 - DURHAM PERFORMING ARTS CENTER
 - NORTH CAROLINA CENTRAL UNIVERSITY - GRADUATION, FOOTBALL GAMES, MEN'S BASKETBALL GAMES, AND WOMEN'S BASKETBALL GAMES
 - DURHAM RESCUE MISSION (SEE LOCAL NOTE LN-03)
 - OTHER LARGE TRAFFIC VOLUME GENERATING EVENTS AS NOTED BY THE ENGINEER

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
1) -LALT-/ALSTON AVENUE (NC 55) -YA-/DURHAM FWY (NC 147) -R1-, -R2-, -R3-, -R4-, -R5- -Y22-/HOLLOWAY STREET (US 70 BUS/NC 98)	MONDAY-SUNDAY: 6:00 A.M. TO 10:00 P.M.
2) -Y2-/ANGIER AVE (SR 1926) -Y4- & -Y5-/MAIN STREET -Y15- TAYLOR STREET -Y18- LIBERTY STREET	MONDAY-FRIDAY: 6:00 A.M. TO 10:00 P.M.

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
1) ALL ROADS	MONDAY-FRIDAY: 7:00 A.M. TO 9:00 A.M. 4:00 P.M. TO 7:00 P.M.	15 MINUTES FOR TRAFFIC SHIFTS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
-LALT-/ALSTON AVENUE (NC 55)	MONDAY-FRIDAY: 7:00 A.M. TO 9:00 A.M. &
-Y22-/HOLLOWAY STREET (US 70 BUS / NC 98)	4:00 P.M. TO 7:00 P.M.

F) 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

- G) 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.
- H) 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.
- I) 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.
- J) 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.
- K) 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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

L) 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.

M) 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 AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

PLOT DRIVER: NCDOT.pdf_color_eng_50.ppt
 USER: erbrooks
 FILE: c:\pwworking\paw\d0487729-U-3308-TMP-TMP-02.dgn
 PENTABLE: NCDOT_tcp.tbl
 DATE: 5/12/2016
 TIME: 3:57:04 PM

REVISIONS

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

APPROVED  DATE: 5/13/2016 		PROJECT NOTES
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