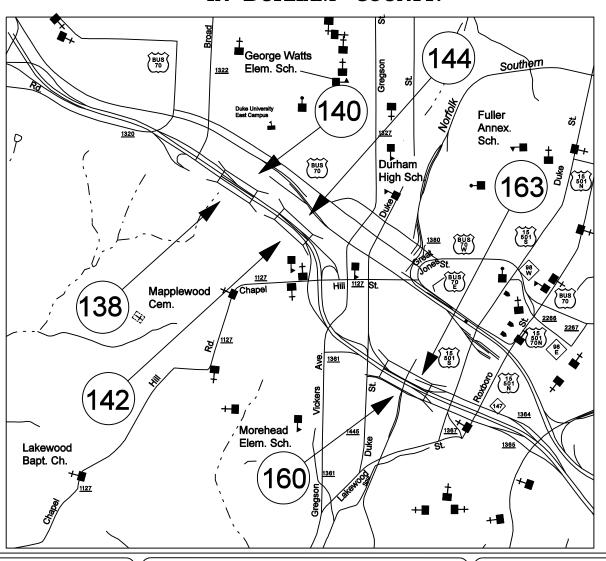


STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

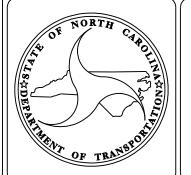
DURHAM COUNTY

STATE	STATE	PROJECT REFERENCE NO.	SHEET	TOTAL SHEETS	
N.C.	B -	1	1		
STATE PROJ. NO.		F. A. PROJ. NO.	DESCRIP	DESCRIPTION	
36727.1.1		BRNHS-000S(504)	P.E.	P.E.	
36727.3.29		BRNHS-000S(370)	CONST		

LOCATION: NC 147
TYPE OF WORK: BRIDGE PRESERVATION: CLEANING
AND PAINTING OF BRIDGES #138, #140, #142, #144,
#160 & #163
IN DURHAM COUNTY.

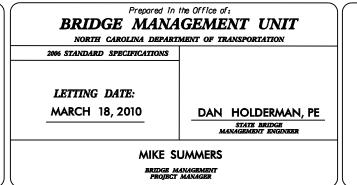


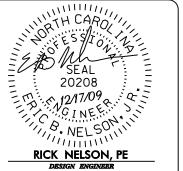




DESIGN DATA

PROJECT LENGTH





STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PLAN FOR PROPOSED TRAFFIC CONTROL

DURHAM COUNTY

LOCATION: BRIDGE NO.S 138, 140, 142, 144, 160, AND 163.

TYPE OF WORK: TRAFFIC CONTROL FOR BRIDGE PAINTING

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS"

CONSIDERED A PART OF THESE PLANS:

STD. NO.

1101.02

1101.04

1101.11

1110.02

1115.01

1130.01

1135.01

1145.01

1150.01

1165.01

1180.01

PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C.,

DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE

TITLE

TEMPORARY LANE CLOSURES

PORTABLE WORK ZONE SIGNS

FLASHING ARROW PANELS

DRUMS

CONES

BARRICADES

SKINNY DRUMS

FLAGGING DEVICES

TEMPORARY SHOULDER CLOSURES

TRAFFIC CONTROL DESIGN TABLES

TRUCK MOUNTED IMPACT ATTENUATOR

INDEX OF SHEETS

SHEET NO.

TCP-5

TITLE

LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND INDEX OF SHEETS

GENERAL NOTES TCP-2

TCP-3 VICINITY MAP AND PROJECT PHASING

TCP-4 LANE CLOSURES DURING PAINTING OVER BLACKWELL ST. SOUTHBOUND

LANE CLOSURES DURING PAINTING OVER BLACKWELL ST. NORTHBOUND

LEGEND

STATE PROJECT REFERENCE NO.

B-4700AD

SHEET NO.

TCP-1

GENERAL

DIRECTION OF TRAFFIC FLOW

NORTH ARROW

WORK AREA

TRAFFIC CONTROL DEVICES

TYPE III BARRICADE

▲ CONE

DRUM
SKINNY DRUM

FLASHING ARROW PANEL (TYPE C)

├─ STATIONARY SIGN

PORTABLE SIGN

STATIONARY OR PORTABLE SIGN

- PORTABLE CONCRETE BARRIER

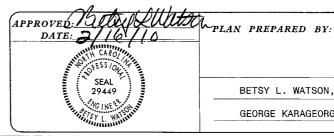
TEMPORARY CRASH CUSHION

CHANGEABLE MESSAGE SIGN

TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)

POLICE

___ FLAGGER





BETSY L. WATSON, PE

TRAFFIC CONTROL ENGINEER

GEORGE KARAGEORGE TRAFFIC CONTROL DESIGNER

B

PROJECT REFERENCE NO SHEET NO. B-4700AD TCP-2

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.

LANE CLOSURE TIME RESTRICTIONS

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

ROAD NAME

DAY AND TIME RESTRICTIONS

CAMPUS DR.

6:00 A.M.-9:00 A.M. & 4:00 P.M.-6:00 P.M. MONDAY-FRIDAY

BUCHANAN BLVD.

6:00 A.M.-9:00 A.M. & 4:00 P.M.-6:00 P.M. MONDAY-FRIDAY

BLACKWELL ST.

6:00 A.M.-9:00 A.M. & 4:00 P.M.-6:00 P.M. MONDAY-FRIDAY

NC 147

LANE CLOSURES ARE RESTRICTED ON NC 147 AT ALL TIMES.

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

ROAD NAME ALL ROADS

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 P.M. DECEMBER 31st TO 6:00 A.M. JANUARY 2nd. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 A.M. THE FOLLOWING TUESDAY.
- 3) FOR EASTER, BETWEEN THE HOURS OF 6:00 P.M. THURSDAY AND 6:00 A.M.
- 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 P.M. FRIDAY TO 6:00 A.M.
- 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 P.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 A.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY; THEN BETWEEN THE HOURS OF 6:00 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 P.M. FRIDAY AND 6:00 A.M. TUESDAY.
- 7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 P.M. TUESDAY TO 6:00 A.M. MONDAY.
- 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 A.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- 9) FOR EVENTS AT THE DURHAM BULLS ATHLETIC PARK, TWO HOURS PRIOR TO THE EVENT AND TWO HOURS FOLLOWING THE EVENT, AS DIRECTED BY THE ENGINEER.

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 1101.01, SHEET 1 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 SHEET TCP-4 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 GUARDRATI OR BARRIER.

TRAFFIC PATTERN ALTERATIONS

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

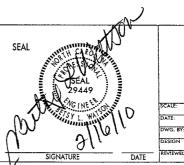
SIGNING

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

MISCELLANEOUS

- L) POLICE MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- M) ALL DIMENSIONS AND STATIONS IN THE TRAFFIC CONTROL PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE
- N) DO NOT PERFORM WORK FROM THE ROADWAY ON TOP OF THE STRUCTURE.
- O) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 733-4740 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.





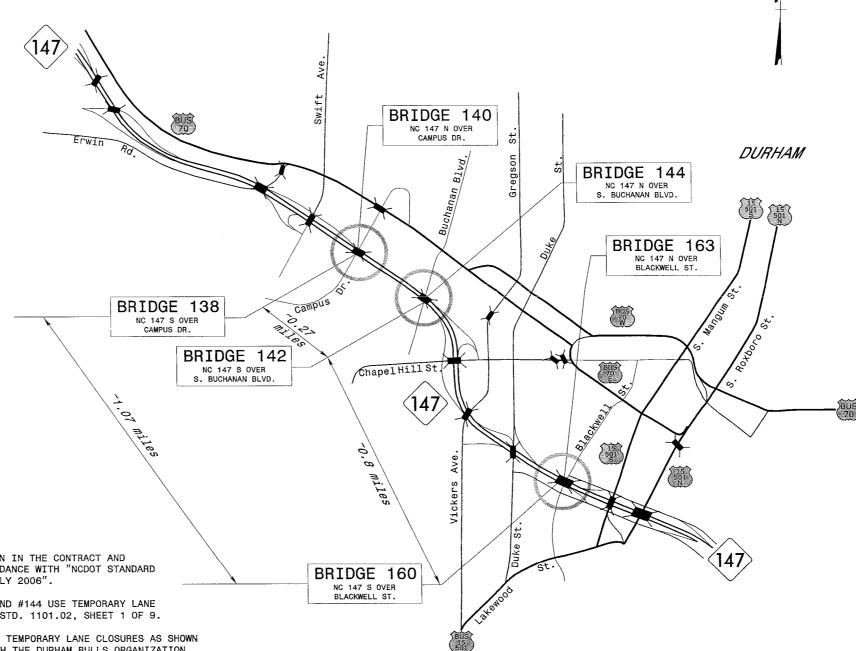
PROJECT NOTES **GENERAL NOTES**

NONE DATE: FEB. 2010 GK GK REVIEWED BY: BLW



REVISIONS





TRAFFIC CONTROL PHASING

STEP 1:

PERFORM BRIDGE PAINTING OPERATIONS AS SHOWN IN THE CONTRACT AND CONSTRUCTION PLANS. PERFORM WORK IN ACCORDANCE WITH "NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES-JULY 2006".

WHEN WORKING ON BRIDGES #138, #140, #142 AND #144 USE TEMPORARY LANE CLOSURES TO PERFORM THE WORK ACCORDING TO STD. 1101.02, SHEET 1 OF 9.

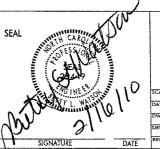
WHEN WORKING ON BRIDGES #160 AND #163, USE TEMPORARY LANE CLOSURES AS SHOWN ON SHEETS TCP-4 AND TCP-5. COORDINATE WITH THE DURHAM BULLS ORGANIZATION DURING PAINTING OPERATIONS OVER THE PARKING LOT ADJACENT TO BLACKWELL ST.

AT THE END OF EACH DAY'S OPERATIONS MOVE EQUIPMENT TO STAGING AREA AT LEAST 40 FEET AWAY FROM ANY TRAVEL LANES AS APPROVED BY THE ENGINEER AND REMOVE LANE CLOSURES. WHEN NOT BEING USED TO CLOSE A LANE, DRUMS MAY EITHER BE TOTALLY REMOVED OR BE MOVED TO OUTSIDE OF SHOULDER SUCH THAT THEY DO NOT CLOSE THE SHOULDER.

STEP 2:

UPON COMPLETION OF THE PROJECT, REMOVE ALL TRAFFIC CONTROL DEVICES.





DURHAM COUNTY BRIDGE PAINTING VICINITY MAP TRAFFIC CONTROL PHASING

ALE:	NONE	
TE:	FEB. 2010	
VG. B	GK	
SIGN	GK	
V!EWE	D BY: RIW	

