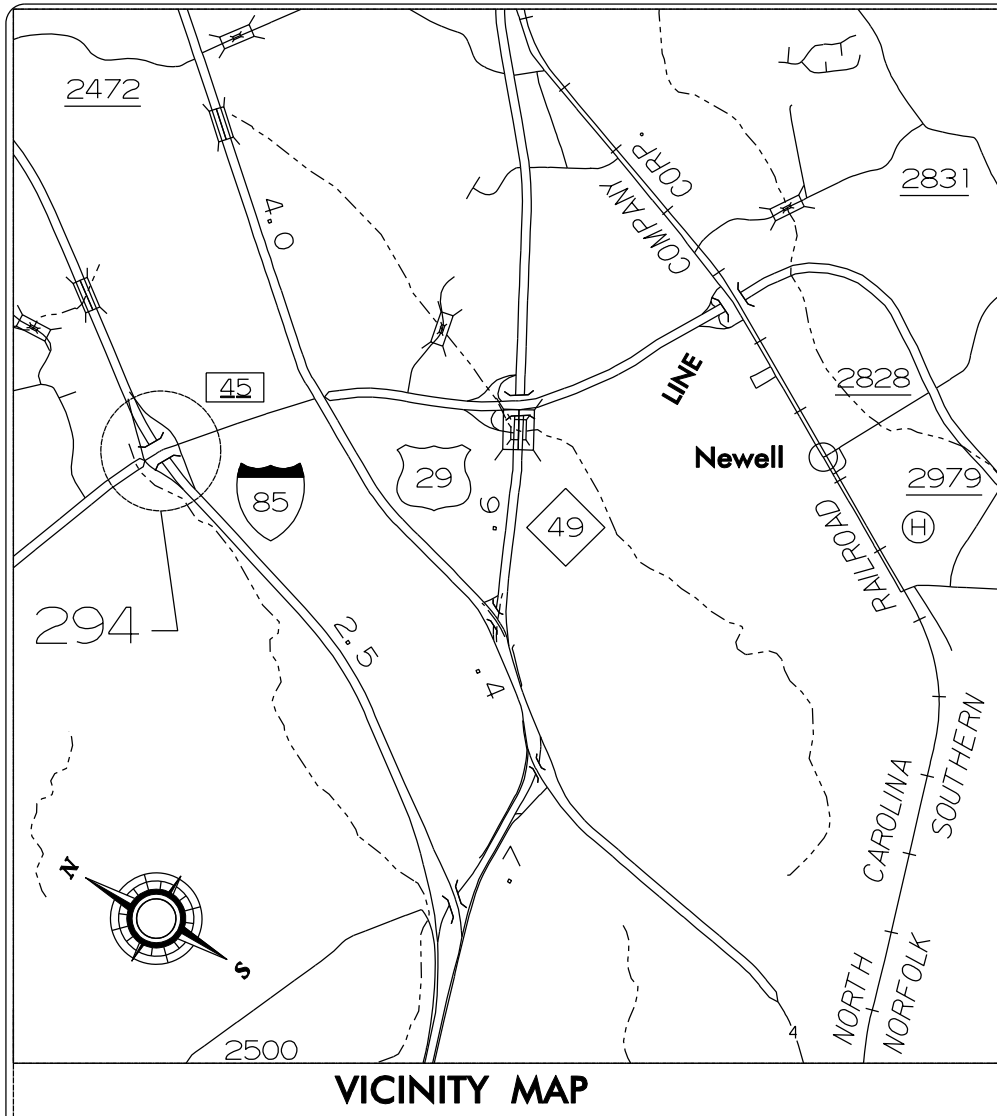


BK-5101 J

CONTRACT # D000030



VICINITY MAP

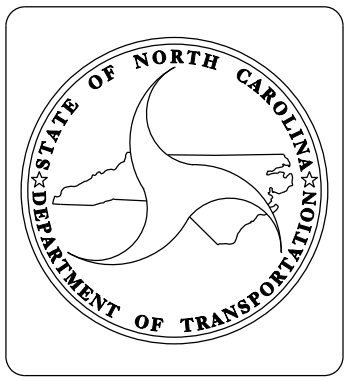
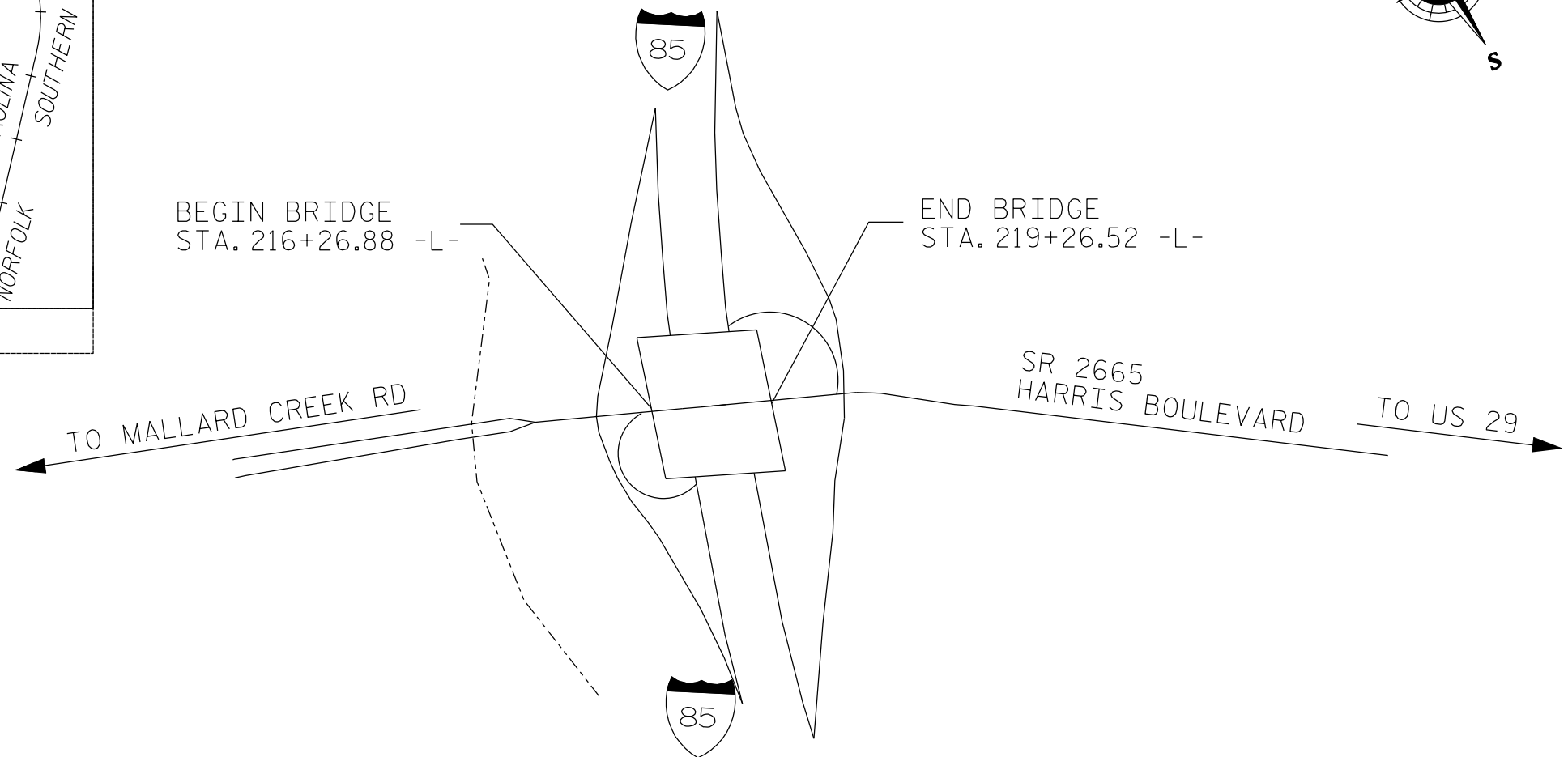
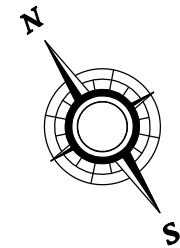
INDEX OF SHEETS	
1	TITLE SHEET
S1 - S3	STRUCTURE PLANS
TCP1 - TCP7	TRAFFIC CONTROL PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MECKLENBURG COUNTY

LOCATION: BRIDGE #294, ON SR 2665 (HARRIS BLVD.), OVER I-85
TYPE OF WORK: BRIDGE DECK REHABILITATION WITH LATEX MODIFIED CONCRETE, AND PAVEMENT MARKING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	42579.1.1	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
42579.1.1	BRSTP-0024 (43)	PE	
42579.3.9	BRSTP-0024 (43)	CONST	



DESIGN DATA
ADT 2006 = 68000

PROJECT LENGTH

LENGTH STRUCTURE PROJECT = .057 MILE

Prepared in the Office of:
DIVISION OF BRIDGE MANAGEMENT
2006 STANDARD SPECIFICATIONS

LETTING DATE:
MARCH 18, 2010




DAN HOLDERMAN, PE
PROJECT ENGINEER

ERIC NELSON, PE
DESIGN ENGINEER

TO MALLARD CK. RD.

299'-7 11/16" +/- (LENGTH OF BRIDGE FLOOR ALONG ARC F.F. TO F.F. SURVEY -L-)

TO US 29

-  APPROX. AREA: CLASS II REPAIR
-  APPROX. AREA: CLASS III REPAIR
-  APPROX. TEST BORING LOCATION

W.P. #1
F.F. @ E.B. #1
216+26.88 -L- +/-

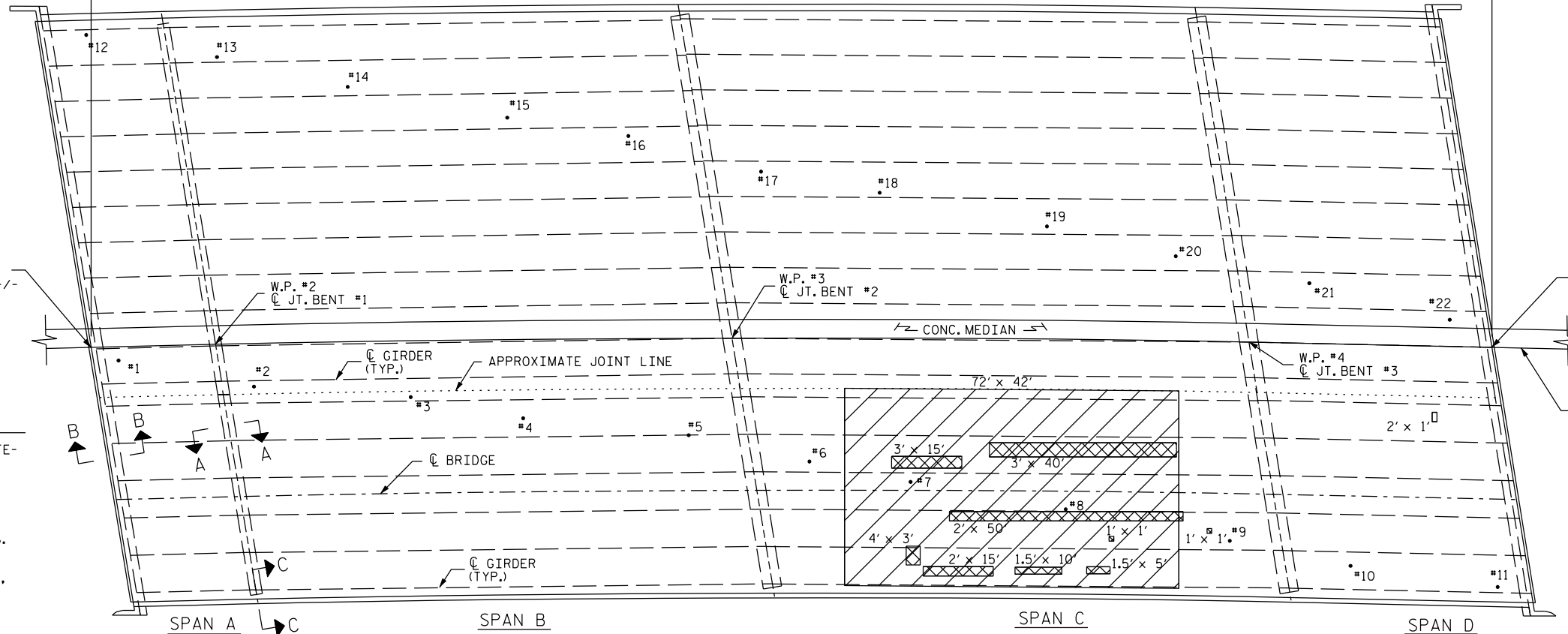
W.P. #2
@ JT. BENT #1

W.P. #3
@ JT. BENT #2

W.P. #5
F.F. @ E.B. #2
219+26.52 -L- +/-

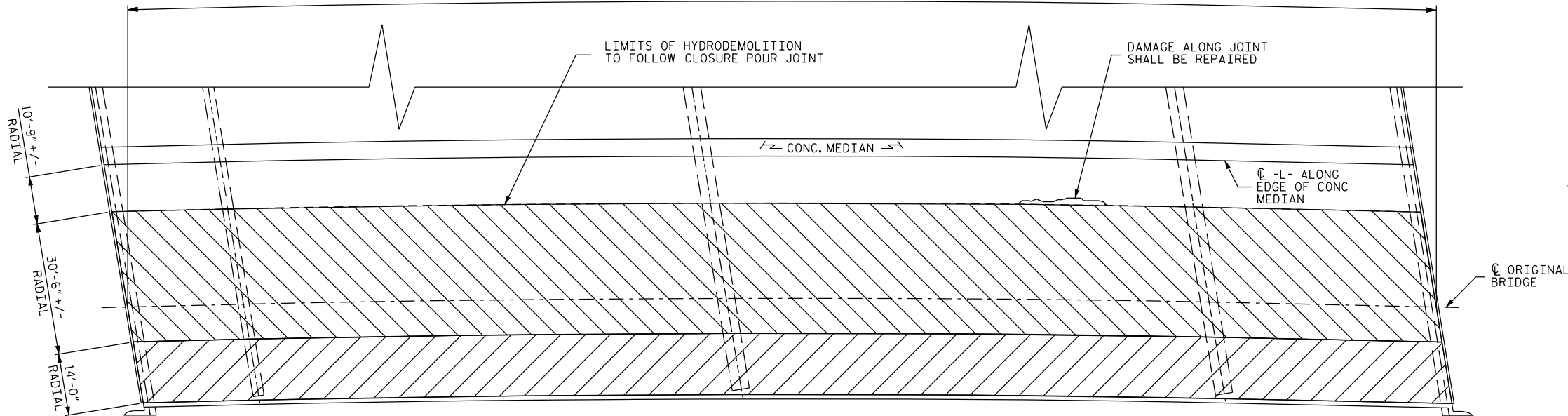
NOTES

FOR OVERLAY OF BRIDGE WITH LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH, SEE SPECIAL PROVISIONS.
 SEE SPECIAL PROVISIONS FOR SURFACE PREPARATION.
 FOR HYDRO-DEMOLITION, SEE SPECIAL PROVISIONS.
 FOR UNDER DECK CONTAINMENT SEE SPECIAL PROVISIONS.
 THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER FROM THE HYDRO-DEMOLITION PROCESS, SEE SPECIAL PROVISIONS.
 THE BOUNDARIES OF AREAS IDENTIFIED FOR CLASS III SURFACE PREPARATION ARE APPROXIMATE.
 FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.





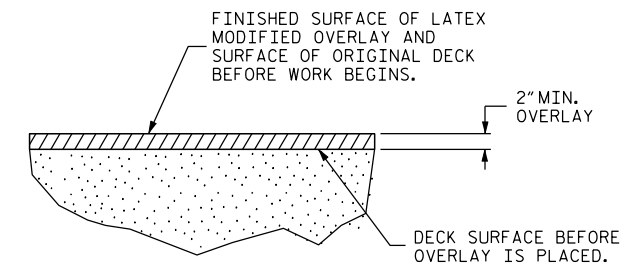
PLAN

299'-6" +/- (LENGTH OF ORIGINAL BRIDGE FLOOR ALONG ARC F.F. TO F.F.)



PARTIAL PLAN

-  DECK SCARICATION & HYDRODEMOLITION (STAGE I)
-  DECK SCARICATION & HYDRODEMOLITION (STAGE II)



DETAIL FOR LATEX MODIFIED CONCRETE OVERLAY

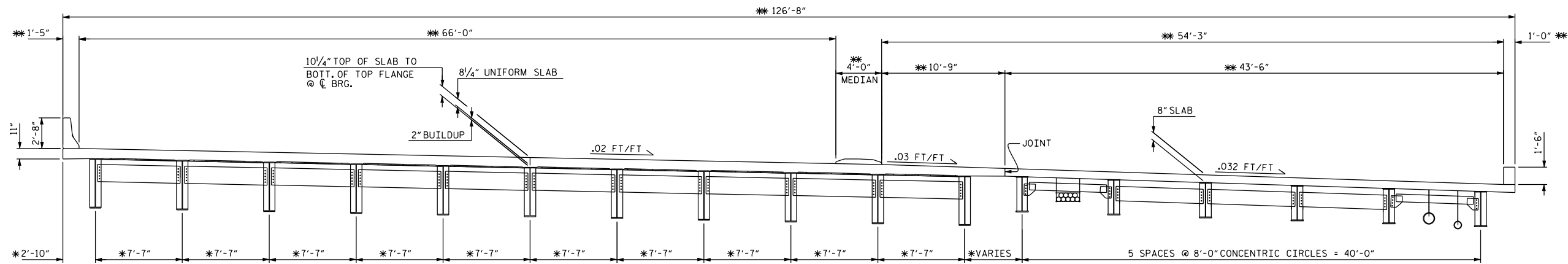
PROJECT NO. BK-5101 J
 COUNTY: MECKLENBURG
 DECK REPAIR BRIDGE NO. 294

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 PLAN VIEW OF
 BRIDGE #294 ON
 W.T. HARRIS BLVD
 OVER I-85

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-1
1			3			TOTAL SHEETS
2			4			

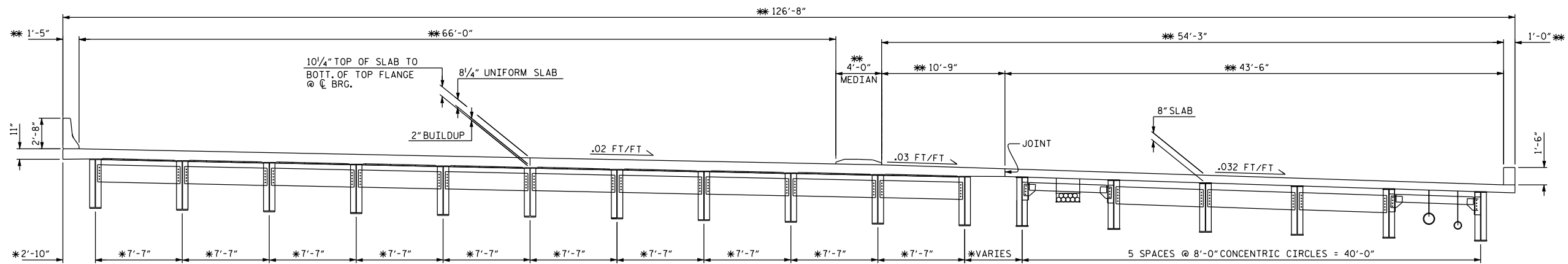
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*****SYTIME*****

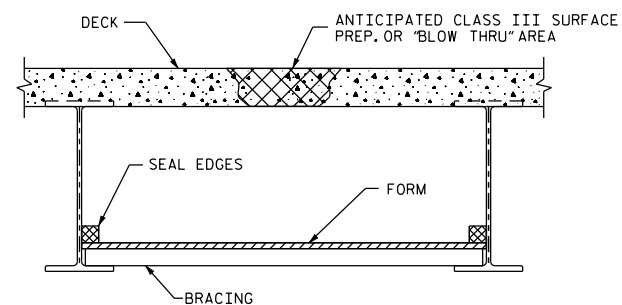


TYPICAL SECTION - SPANS A & D
(SECTION SHOWN @ BENTS)

* DENOTES RADIAL THRU BENT
** DENOTES RADIAL DIMENSION



TYPICAL SECTION - SPANS B & C
(SECTION SHOWN @ BENTS)



TYP. "BLOW THRU" CONTAINMENT AND FORMWORK

A METHOD TO CAPTURE WATER AND DEBRIS FROM BLOW THRU DURING HYDRO-DEMOLITION SHALL BE INSTALLED IN AREAS INDICATED AS CLASS III SURFACE PREPARATION.

SUBMIT DETAILS OF PROPOSED FORM WORK FOR APPROVAL PRIOR TO BEGINNING WORK.

COST FOR INSTALLING AND REMOVING FORM WORK SHALL BE INCIDENTAL TO THE PRICE PER SQ. YARD OF HYDRO-DEMOLITION.

TOTAL BILL OF MATERIAL								
SCARIFYING BRIDGE DECK	* CLASS I SURFACE PREPARATION	* CLASS II SURFACE PREPARATION	* CLASS III SURFACE PREPARATION	HYDRO-DEMOLITION OF BRIDGE DECK	LATEX MODIFIED CONCRETE VERY EARLY STRENGTH	PLACING & FINISHING LATEX MODIFIED CONCRETE VERY EARLY STRENGTH	EVAZOTE JOINT SEALS	GROOVING BRIDGE FLOOR
SO.YDS.	SO.YDS.	SO.YDS.	SO.YDS.	SO.YDS.	C.Y.	SO.YDS.	LUMP SUM	SO. FT.
1482	1109	336	37	1482	124	1482	LUMP SUM	13338

* QUANTITY SHOWN IS FOR INFORMATION ONLY.

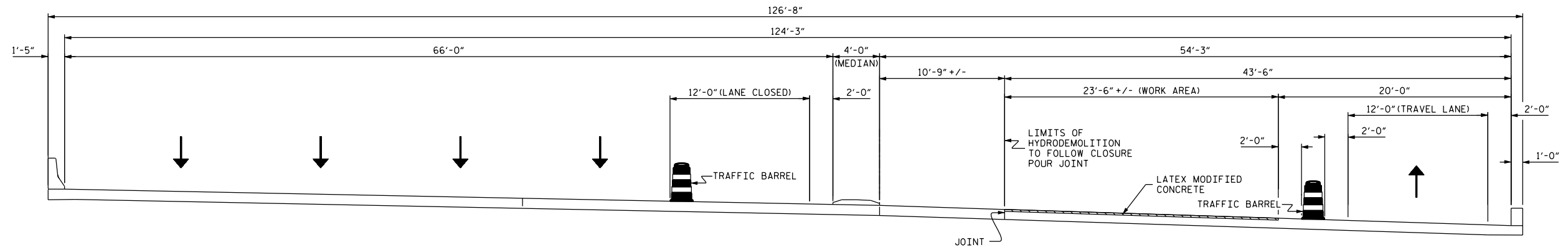
PROJECT NO. BK-5101E
COUNTY: MECKLENBURG
DECK REPAIR BRIDGE NO. 294

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
TYPICAL SECTION OF
BRIDGE #294 ON
W.T. HARRIS BLVD
OVER I-85

DRAWN BY: CLB DATE: 01/10
CHECKED BY: AGA DATE: 01/10

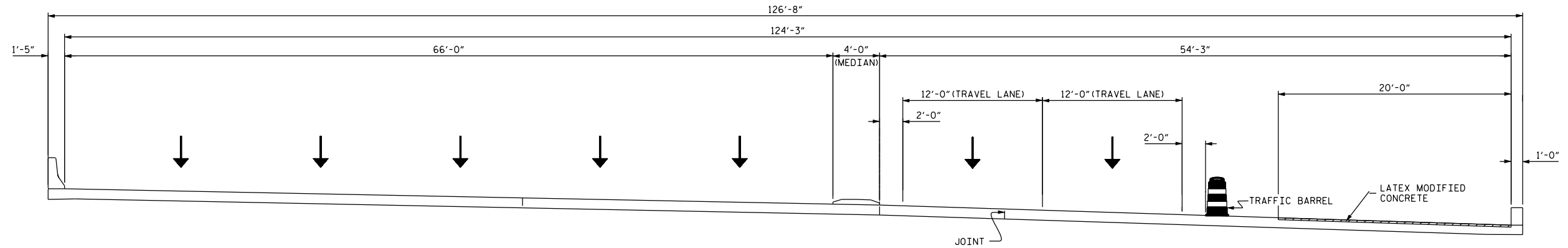
*****USERNAME*****
*****SYSTEM*****

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-2
1			3			TOTAL SHEETS
2			4			



BRIDGE DECK SECTION - STAGE I
(SECTION SHOWN @ BENTS)

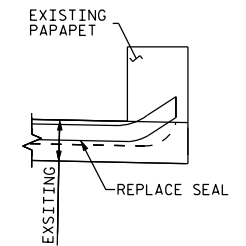
NOTE: ALL SECTION DIMENSIONS ARE RADIAL



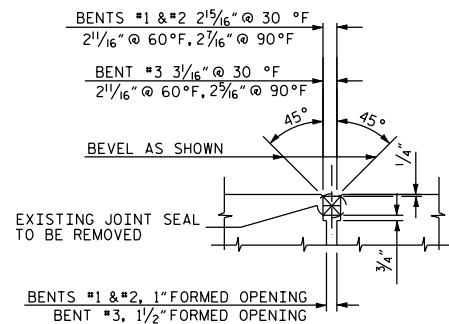
BRIDGE DECK SECTION - STAGE II
(SECTION SHOWN @ BENTS)

NOTES

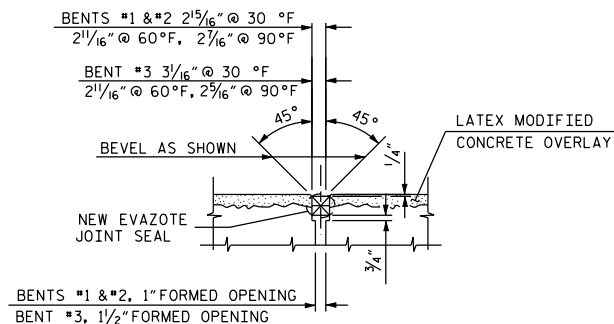
- FOR EVAZOTE JOINT SEAL, SEE SPECIAL PROVISIONS.
- THE INSTALLED EVAZOTE JOINT SEALS SHALL BE WATERTIGHT.
- NOMINAL UNCOMPRESSED SEAL WIDTH OF EVAZOTE JOINT SEAL SHALL BE 3/16" AT BENTS.
- THE CONTRACTOR WILL NOT BE PERMITTED TO FORM THE JOINT FOR THE EVAZOTE JOINT SEAL IN LIEU OF SAWING THE JOINT.



SECTION C-C

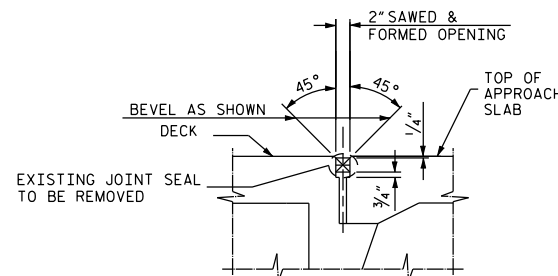


EXISTING

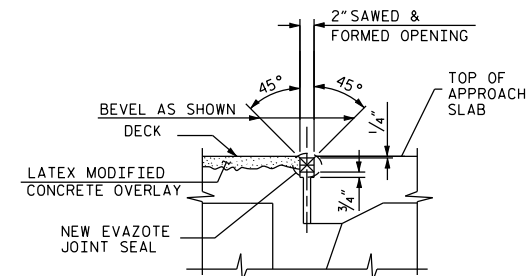


PROPOSED
(EVAZOTE JT. SEAL)

SECTION A-A



EXISTING



PROPOSED
(EVAZOTE JT. SEAL)

SECTION B-B
(E. B. #2 SHOWN
E. B. #1 SIMILAR)

PROJECT NO. BK-5101 J
COUNTY: MECKLENBURG
DECK REPAIR BRIDGE NO. 294

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STAGING AND
JOINT SECTION
DETAILS

DRAWN BY: CLB DATE: 01/10
CHECKED BY: AGA DATE: 01/10

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-3
1			3			TOTAL SHEETS
2			4			

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**PLAN FOR PROPOSED
TRAFFIC CONTROL**

MECKLENBURG COUNTY

LOCATION: BRIDGE #294 WEST WT HARRIS BLVD. OVER I-85

TYPE OF WORK: TRAFFIC CONTROL FOR BRIDGE PRESERVATION

LEGEND

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

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW PANELS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1180.01	SKINNY DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND INDEX OF SHEETS
TCP-2	GENERAL NOTES
TCP-3	TRAFFIC CONTROL PHASING
TCP-4	PHASE I-TRAFFIC CONTROL FOR STAGE I BRIDGE WORK
TCP-5	PHASE I-TRAFFIC CONTROL FOR STAGE I BRIDGE WORK
TCP-6	PHASE II-TRAFFIC CONTROL FOR STAGE II BRIDGE WORK
TCP-7	I-85 SB EXIT 45A CLOSURE & DETOUR ROUTE

WBS 42579.3.9

TIP PROJECT: BK-5101J

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pkarageorge

APPROVED: DATE: Jan 19, 2010 	PLAN PREPARED BY: Betsy L. Watson, PE George Karageorge	Stantec Consulting Services Inc. Suite 300, 801 Jones Franklin Road Raleigh, NC 27606 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com
	Betsy L. Watson, PE Traffic Control Engineer	George Karageorge Traffic Control Designer

GENERAL NOTES

PROJECT REFERENCE NO. BK-5101J	SHEET NO. TCP-2
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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>
ALL ROADS	6:00 A.M.-8:00 P.M. MONDAY THRU FRIDAY (DAILY) AND 8:00 P.M. FRIDAY THRU 8:00 P.M. SUNDAY

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 8:00 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 8:00 P.M. THURSDAY AND 6:00 A.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 8:00 P.M. FRIDAY TO 6:00 A.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 8:00 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 8:00 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 8:00 P.M. FRIDAY AND 6:00 A.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 8:00 P.M. TUESDAY TO 6:00 A.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 8:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 A.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CLOSE ROADS AS FOLLOWS:

<u>ROAD NAME</u>	<u>DAY AND TIME RESTRICTIONS</u>
ALL ROADS	6:00 A.M.-8:00 P.M. MONDAY THRU FRIDAY (DAILY) AND 8:00 P.M. FRIDAY THRU 8:00 P.M. SUNDAY

LANE AND SHOULDER CLOSURE REQUIREMENTS

- D) 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.
- E) 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.
- F) 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.

- G) 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.
- H) 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

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

SIGNING

- J) INSTALL WORK ZONE ADVANCE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- K) PROVIDE CHANGEABLE MESSAGE SIGNS, PORTABLE SIGNS AND DEVICES REQUIRED FOR OFFSITE DETOURS AND CLOSURE OF EXIT RAMP AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- L) REMOVE ALL PORTABLE SIGNS AND DEVICES AND TURN OFF CHANGEABLE MESSAGE SIGNS WHEN OFFSITE DETOURS AND EXIT CLOSURES ARE NOT IN OPERATION.
- M) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- N) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADIUS, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY WHEN LANE CLOSURES ARE NOT IN EFFECT. WHEN SKINNY DRUMS ARE ALLOWED REFER TO SECTION 1180 OF STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES OR AS SHOWN IN THE PLANS.
- O) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.


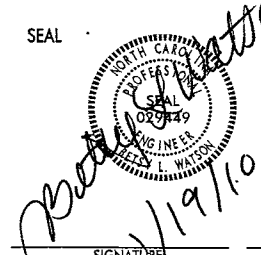

PAVEMENT MARKINGS AND MARKERS

- P) REPLACE, ALL PAVEMENT MARKINGS BEFORE RE-OPENING LANES TO TRAFFIC USING PAINT INITIALLY. UPON COMPLETION OF ALL BRIDGE WORK OPERATIONS INSTALL THERMOPLASTIC PAVEMENT MARKINGS.

MISCELLANEOUS

- Q) POLICE MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- R) ALL DIMENSIONS AND STATIONS IN THE TRAFFIC CONTROL PLAN AND PHASING ARE APPROXIMATE; FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
- S) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 733-4740 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE INCLUDING THE FOLLOWING AREAS OF CONCERN:
 - A. LANE CLOSURE RESTRICTIONS.
 - B. DETOURS OFFSITE AND ONSITE.
 - C. AREAS OF CONSTRICTED HORIZONTAL CLEARANCES (NARROW LANES OR LANES BORDERED ALONG THE OUTSIDE WITH EITHER PCB OR GUARDRAIL).

1/19/2010
control\bk-5101\bridge 294\tcp\plan sheets\BK-5101J_tcp_pah_02.dgn
gker@george

 Stantec Stantec Consulting Services Inc. Suite 300, 801 Jones Franklin Road Raleigh, NC 27606 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com	SEAL  Peter A. Kattan 1/19/10 SIGNATURE DATE	<h2 style="margin: 0;">GENERAL NOTES</h2>						
SCALE: NONE DATE: JAN. 2010 DWG. BY: GK DESIGN BY: GK REVIEWED BY: BLW		 REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50px; height: 20px;"> </td><td style="width: 50px; height: 20px;"> </td></tr> <tr><td style="width: 50px; height: 20px;"> </td><td style="width: 50px; height: 20px;"> </td></tr> <tr><td style="width: 50px; height: 20px;"> </td><td style="width: 50px; height: 20px;"> </td></tr> </table>						

TRAFFIC CONTROL PHASING

PHASE I - STAGE I BRIDGE WORK

PERFORM STEPS 1 THROUGH 6 IN A CONTINUOUS OPERATION

STEP 1:
IMPLEMENT I-85 SB-EXIT 45A DETOUR AS SHOWN ON SHEET TCP-7.

STEP 2:
CLOSE EXIT 45A FROM I-85 SB AS SHOWN ON SHEET TCP-5.

STEP 3:
INSTALL LANE CLOSURES FOR BOTH DIRECTIONS OF WEST WT HARRIS BLVD. AS SHOWN ON SHEETS TCP-4 & 5.

STEP 4:
PERFORM STAGE I WORK FOR BRIDGE #294.

STEP 5:
REMOVE TRAFFIC CONTROL DEVICES FROM WEST WT HARRIS BLVD. AND OPEN TO EXISTING TRAFFIC PATTERN.

STEP 6:
REMOVE TRAFFIC CONTROL DEVICES AND OPEN EXIT 45A TO TRAFFIC. UPON OPENING OF EXIT 45A TURN OFF MESSAGE SIGNS FOR DETOUR.

PHASE II - STAGE II BRIDGE WORK

PERFORM STEPS 1 THROUGH 6 IN A CONTINUOUS OPERATION

STEP 1:
IMPLEMENT I-85 SB-EXIT 45A DETOUR AS SHOWN ON SHEET TCP-7.

STEP 2:
CLOSE EXIT 45A FROM I-85 SB AS SHOWN ON SHEET TCP-6.


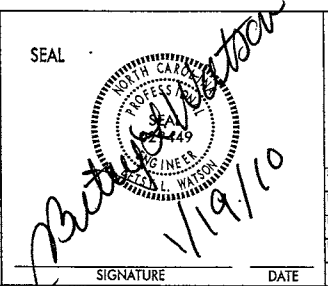
STEP 3:
INSTALL LANE CLOSURES ON WEST WT HARRIS BLVD. AS SHOWN ON SHEET TCP-4 & 6.

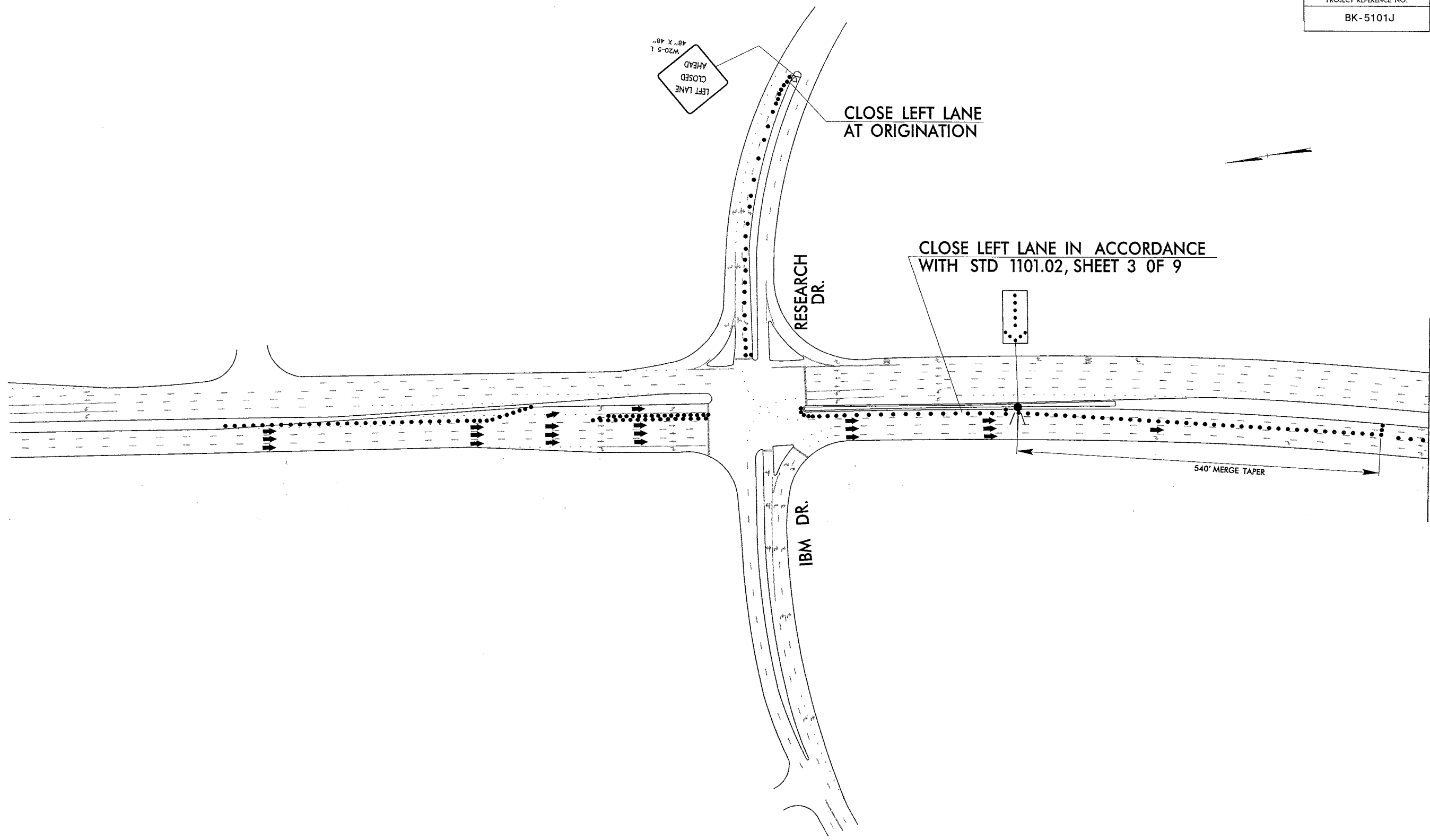
STEP 4:
PERFORM STAGE II WORK FOR BRIDGE #294.

STEP 5:
REMOVE TRAFFIC CONTROL DEVICES FROM WEST WT HARRIS BLVD. AND OPEN TO EXISTING TRAFFIC PATTERN.

STEP 6:
REMOVE TRAFFIC CONTROL DEVICES AND OPEN EXIT 45A TO TRAFFIC. UPON OPENING OF EXIT 45A TURN OFF MESSAGE SIGNS FOR DETOUR.


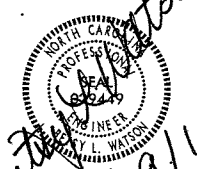

control\bk-5101\bridge 294\tcp\plan sheets\BK-5101J_tcp_psh_03.dgn
gkerag@ge

 Stantec <small>Stantec Consulting Services Inc. Suite 300, 801 Jones Franklin Road Raleigh, NC 27606 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com</small>	SEAL		TRAFFIC CONTROL PHASING BRIDGE #294 MECKLENBURG COUNTY						
				<small>SCALE: NONE</small> <small>DATE: JAN. 2010</small> <small>DWG. BY: GK</small> <small>DESIGN BY: GK</small> <small>REVIEWED BY: BLW</small>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> </thead> <tbody> <tr> <td style="width: 50%;"> </td> <td style="width: 50%;"> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS			
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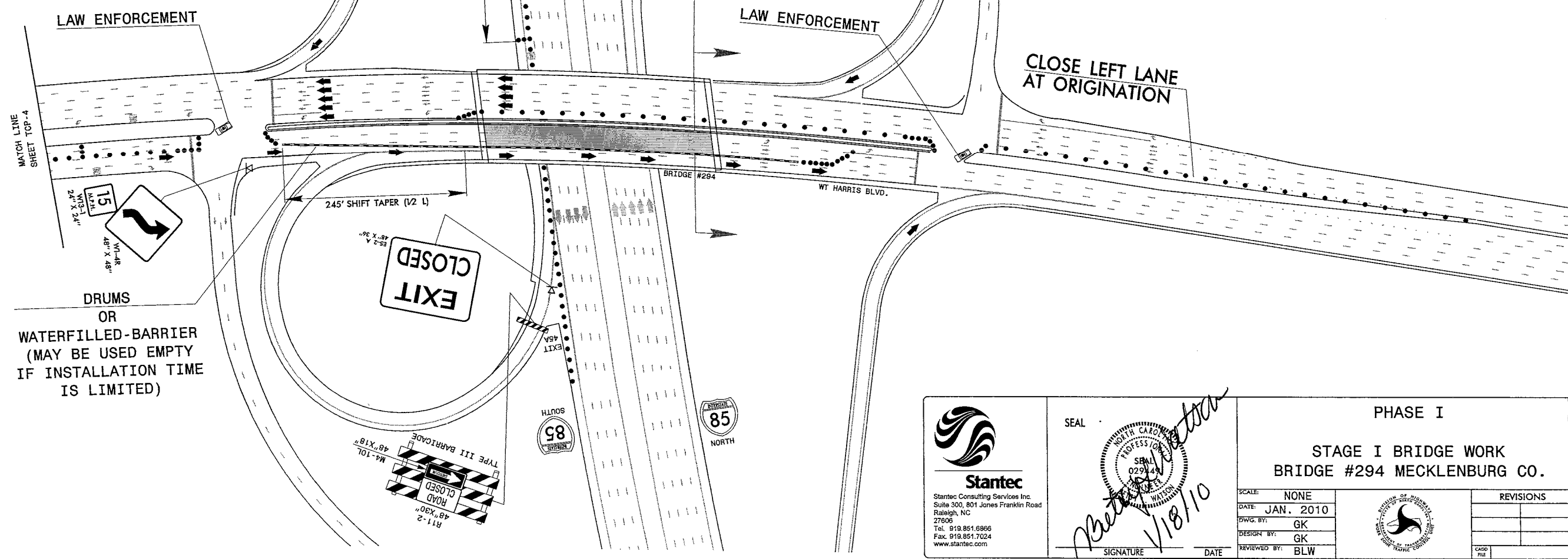
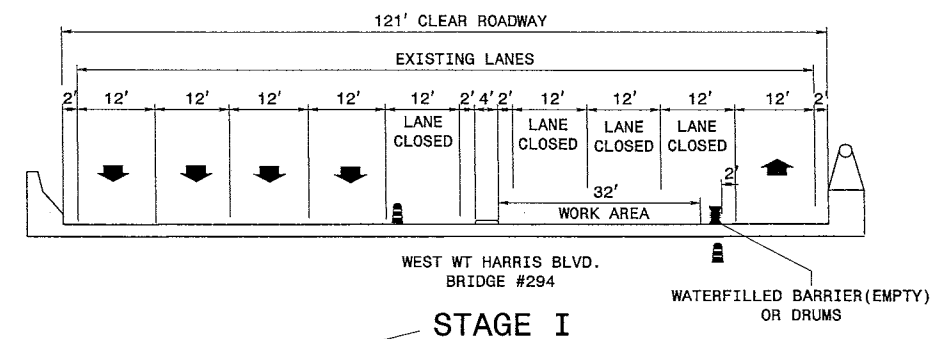


MATCH LINE
SHEET TCP-5 PHASE I
SHEET TCP-6 PHASE II

1/9/2010
control\bk-5101j\bridge 294\tcp\plan sheets\BK-5101J_tcp_psh_04.dgn
gkar-egleorge

 Stantec Stantec Consulting Services Inc. Suite 300, 801 Jones Franklin Road Raleigh, NC 27605 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com	SEAL  <i>Kelly L. Watson</i> 1/19/10	PHASE I STAGE I BRIDGE WORK BRIDGE #294 MECKLENBURG CO.							
	SCALE: NONE DATE: JAN. 2010 DWG. BY: GK DESIGN BY: GK REVIEWED BY: BLW		REVISIONS <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>						

CLOSE LEFT LANE IN ACCORDANCE WITH STD 1101.02, SHEET 3 OF 9



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 gkarageorge

<p>Stantec Stantec Consulting Services Inc. Suite 300, 801 Jones Franklin Road Raleigh, NC 27605 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com</p>	<p>SEAL</p>	<p>PHASE I</p> <p>STAGE I BRIDGE WORK BRIDGE #294 MECKLENBURG CO.</p>															
	<p>SIGNATURE <i>Blw</i></p> <p>DATE 1/18/10</p>	<table border="1"> <tr> <td>SCALE:</td> <td>NONE</td> </tr> <tr> <td>DATE:</td> <td>JAN. 2010</td> </tr> <tr> <td>DWG. BY:</td> <td>GK</td> </tr> <tr> <td>DESIGN BY:</td> <td>GK</td> </tr> <tr> <td>REVIEWED BY:</td> <td>BLW</td> </tr> </table>	SCALE:	NONE	DATE:	JAN. 2010	DWG. BY:	GK	DESIGN BY:	GK	REVIEWED BY:	BLW	<table border="1"> <thead> <tr> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> </tr> <tr> <td> </td> </tr> <tr> <td> </td> </tr> </tbody> </table>		REVISIONS		
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REVISIONS																	

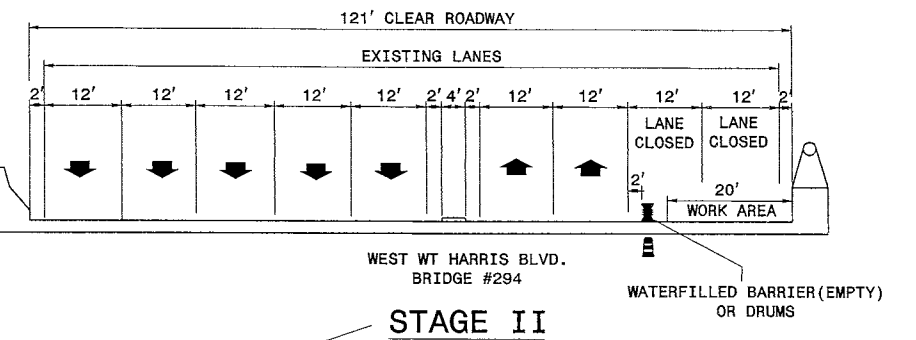
CLOSE LEFT LANE IN ACCORDANCE
WITH STD 1101.02, SHEET 3 OF 9

DEVICES PRIOR TO THIS POINT
ARE SAME AS IN PHASE I

LAW ENFORCEMENT

DRUMS
OR
WATERFILLED-BARRIER
(MAY BE USED EMPTY
IF INSTALLATION TIME
IS LIMITED)

EXIT
CLOSED

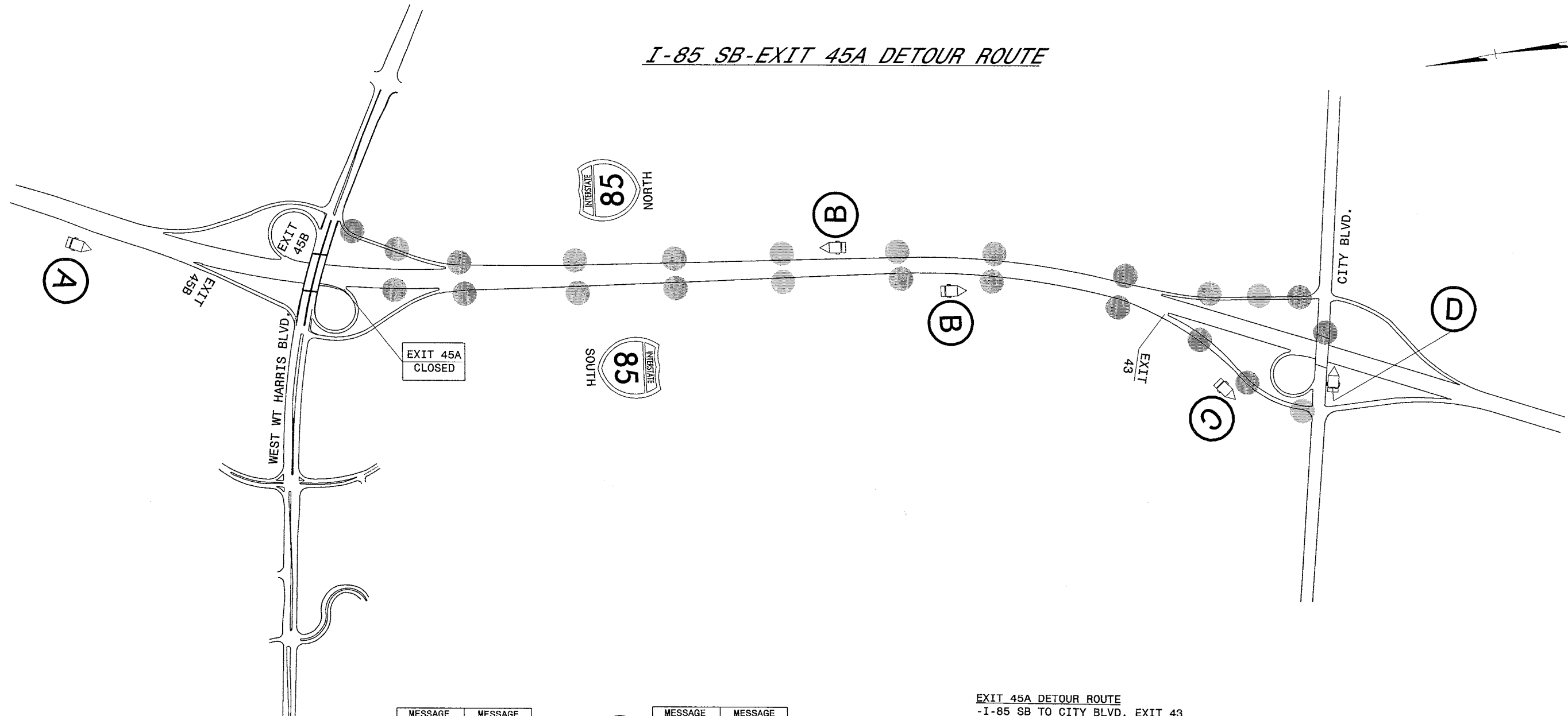


LAW ENFORCEMENT

1/19/2010
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 gkereg@stantec.com

<p>Stantec Stantec Consulting Services Inc. Suite 300, 801 Jones Franklin Road Raleigh, NC 27606 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com</p>	<p>SEAL</p> <p><i>Robert Watson</i> 1/19/10</p>	<p>PHASE II</p> <p>STAGE II BRIDGE WORK BRIDGE #294 MECKLENBURG CO.</p>					
		<p>SCALE: NONE</p> <p>DATE: JAN. 2010</p> <p>DWG. BY: GK</p> <p>DESIGN BY: GK</p> <p>REVIEWED BY: BLW</p>	<p>REVISIONS</p> <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>				

I-85 SB-EXIT 45A DETOUR ROUTE



(A)

MESSAGE NO. 1	MESSAGE NO. 2
EXIT 45A CLOSED	USE EXIT 43

CHANGEABLE MESSAGE SIGN

(B)

MESSAGE NO. 1	MESSAGE NO. 2
HARRIS BLVD DETOUR	USE NEXT EXIT

CHANGEABLE MESSAGE SIGN

(C)

MESSAGE NO. 1	MESSAGE NO. 2
HARRIS BLVD DETOUR	NEXT LEFT

CHANGEABLE MESSAGE SIGN

(D)

MESSAGE NO. 1	MESSAGE NO. 2
HARRIS BLVD DETOUR	NEXT LEFT TO I-85 N

CHANGEABLE MESSAGE SIGN

EXIT 45A DETOUR ROUTE
 -I-85 SB TO CITY BLVD. EXIT 43
 -LEFT ONTO CITY BLVD.
 -LEFT ONTO I-85 NB RAMP
 -I-85 NB TO EXIT 45A HARRIS BLVD.

1/19/2010
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 gkerageorge

 Stantec Stantec Consulting Services Inc. Suite 300, 801 Jones Franklin Road Raleigh, NC 27606 Tel. 919.851.6886 Fax. 919.851.7024 www.stantec.com	SEAL 	I-85 SB - EXIT 45A DETOUR ROUTE									
	SIGNATURE: <i>Matthew D. Dutton</i> DATE: 1/19/10	SCALE: NONE DATE: JAN. 2010 DWG. BY: GK DESIGN BY: GK REVIEWED BY: BLW		REVISIONS <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>							