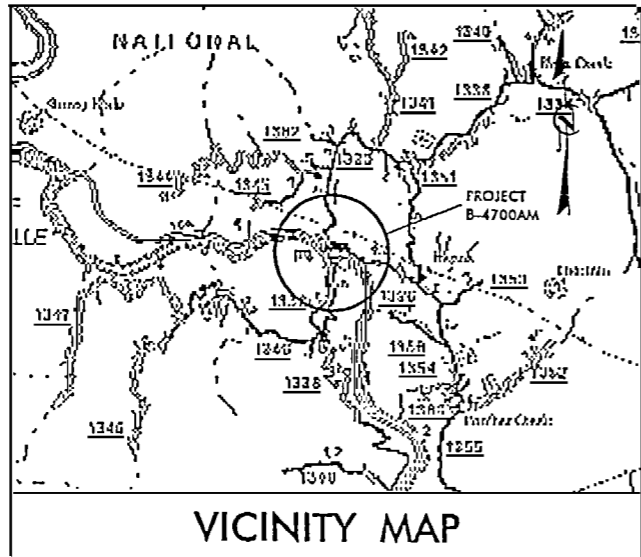


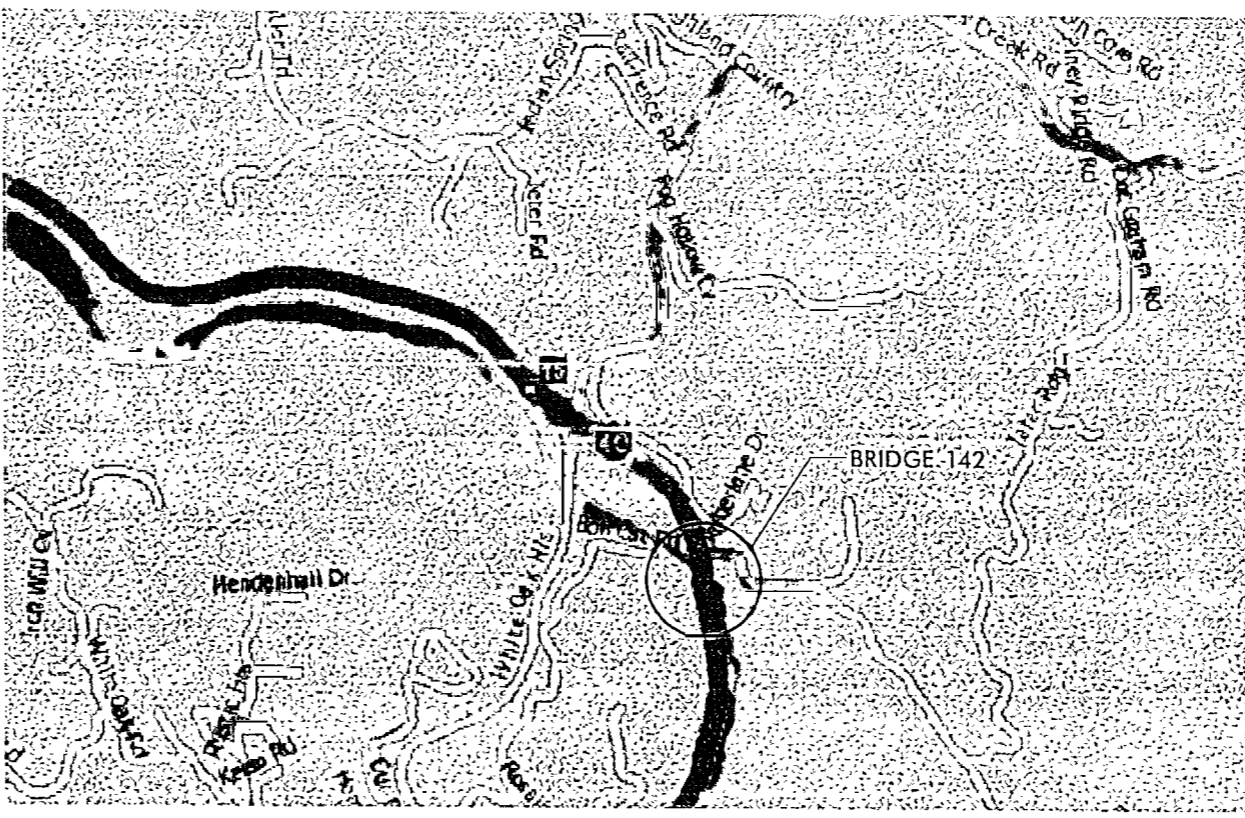
**TIP PROJECT: B-4700AM**  
**CONTRACT: D000008**



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
**HAYWOOD COUNTY**

**LOCATION: BRIDGE 142, I-40 EBL AND WBL OVER PIGEON RIVER, 0.5 MILE EAST OF JUNCTION I-40 AND SR 1338**

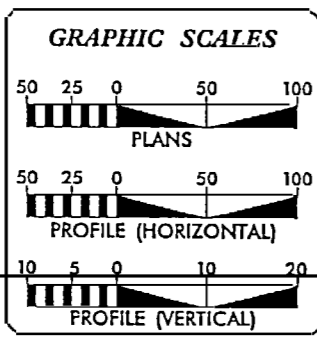
**TYPE OF WORK: BRIDGE DECK PRESERVATION**



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4700AM	1	

**TABLE OF CONTENTS**

DWG.	DESCRIPTION
S-1	PLAN OF BRIDGE
S-2	BRIDGE TYPICAL SECTION
S-3	DECK REPAIR DETAILS
S-4	DECK REPAIR DETAILS
S-5	DECK REPAIR DETAILS
S-6	DECK REPAIR DETAILS
S-7	DECK REPAIR DETAILS
S-8	EXPANSION JOINT REPAIR DETAILS
S-9	END BENT JOINT SEAL DETAILS
TCPI-4	TRAFFIC CONTROL PLANS



**PROJECT LENGTH**

LENGTH OF ROADWAY T.I.P. PROJECT B-4700AM	= 0.000 MI.
LENGTH OF STRUCTURE T.I.P. PROJECT B-4700AM	= 0.072 MI
TOTAL LENGTH OF T.I.P. PROJECT B-4700AM	= 0.072 MI

PREPARED IN THE OFFICE OF:  
**Stantec**  
FOR THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
2006 STANDARD SPECIFICATIONS

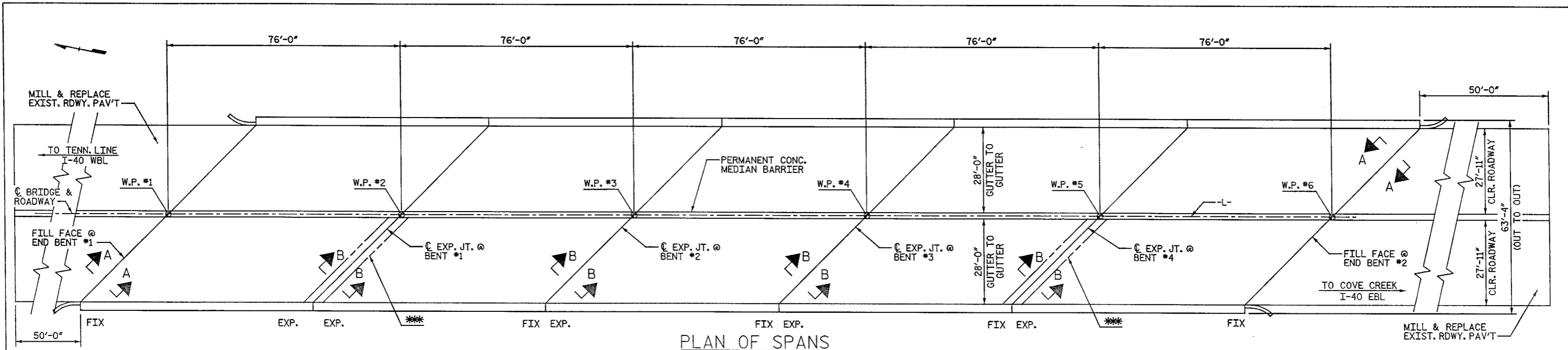
RIGHT OF WAY DATE: N.A.  
LETTING DATE: NOV. 12, 2009

NCDOT CONTACT: MIKE SUMMERS  
BRIDGE MANAGEMENT PROJECT MANAGER

Joe Kelvington, PE  
PROJECT ENGINEER

**NORTH CAROLINA**  
PROFESSIONAL  
SEAL  
20203  
11/9/09  
ENGINEER  
**ERIC B. NELSON JR.**  
DESIGN ENGINEER

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

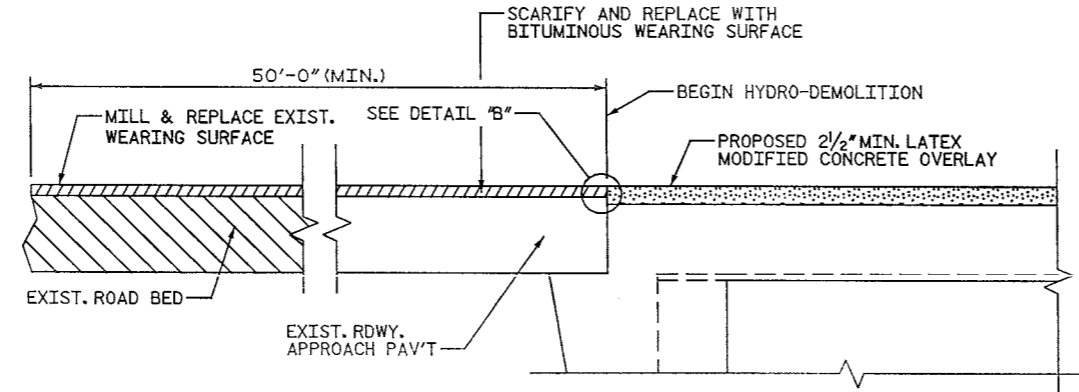


PLAN OF SPANS

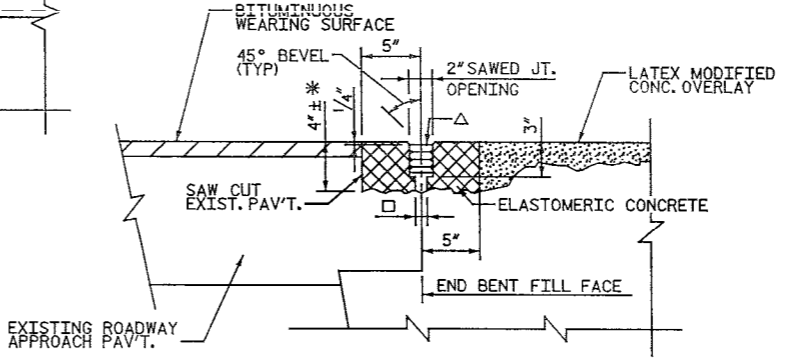
\*\*\* ARMORED EXP. JT. SEAL DEVICE TO BE REMOVED @ BENTS 1 & 4

NOTES:

- DECK DRAINS SHALL BE SEALED PRIOR TO BEGINNING REPAIR OF BRIDGE DECKS WITH LATEX MODIFIED CONCRETE. SEE SPECIAL PROVISIONS.
- FOR HYDRO-DEMOLITION, 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. THE CONTRACTOR SHALL PROVIDE A METHOD OF HANDLING UNEXPECTED BLOW THROUGH OF THE DECK. SEE DETAIL.
- LATEX MODIFIED CONCRETE SHALL BE LATEX MODIFIED CONCRETE - VERY EARLY STRENGTH.
- FOR LATEX MODIFIED CONCRETE - VERY EARLY STRENGTH, SEE SPECIAL PROVISIONS.
- FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
- FOR SECTION B-B, SEE SHT. NO. S-8.
- FOR END BENT JOINT SEAL DETAILS, SEE SHT. S-9.

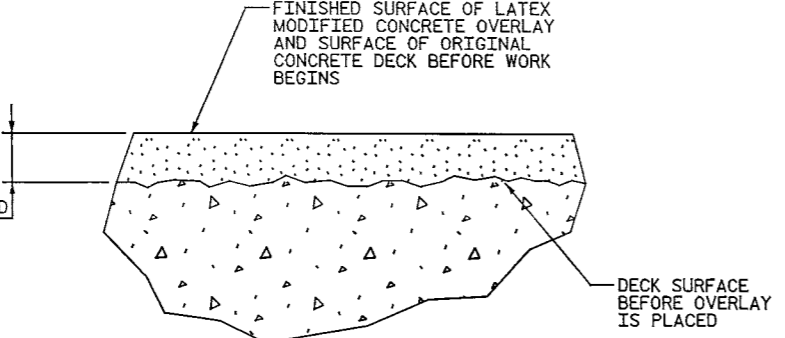


SECTION A-A



DETAIL "B"

- △ USE 2.8125" X 2.50" UNCOMPRESSED SEAL MATERIAL
- 1" FORMED OPENING CENTERED ABOUT FILL FACE
- \* NOMINAL DIMENSION. REMOVE ALL LOOSE, DETERIORATED MATERIAL INCLUDING EXISTING SEAL DEVICES AND HARDWARE TO SOUND CONCRETE. PRESERVE AND RETAIN ALL EXPOSED REINFORCING STEEL. ADJUST SAW CUT DEPTH AS REQUIRED TO PREVENT CUTS INTO EXISTING REINFORCING STEEL.



DETAIL FOR LATEX MODIFIED CONCRETE OVERLAY

PROJECT NO. B-4700AM  
 HAYWOOD COUNTY  
 STATION: \_\_\_\_\_

TOTAL BILL OF MATERIAL										
DECK** SCARIFICATION	CLASS I* SURFACE PREPARATION	CLASS II* SURFACE PREPARATION	CLASS III* SURFACE PREPARATION	HYDRO-DEMOLITION	CLASS AA CONCRETE	LATEX MODIFIED CONCRETE	PLACING & FINISHING OF LATEX MODIFIED CONCRETE	EVAZOTE JOINT SEAL	GROOVING BRIDGE FLOORS	ASPHALT CONC. SURF. COURSE TYPE S9.5B
SQ.YDS.	SQ.YDS.	SQ.YDS.	SQ.YDS.	SQ.YDS.	CU.YDS.	CU.YDS.	SQ.YDS.	LUMP SUM	SQ.FT.	TON
3432.0	1624.3	467.3	357.4	2449.0	36.1	231.9	2449.0	LUMP SUM	17,562	89

\* QUANTITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. IF ANY CLASS III LOCATIONS ARE ENCOUNTERED PRIOR TO OR DURING HYDRO-DEMOLITION, SEE "TYP. BLOW THRU" CONTAINMENT AND FORMWORK" DETAIL.  
 \*\* INCLUDES MILLING OF ROADWAY PAVEMENT.

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

PLAN OF BRIDGE

DECK REHAB. FOR BRIDGE NO. 142

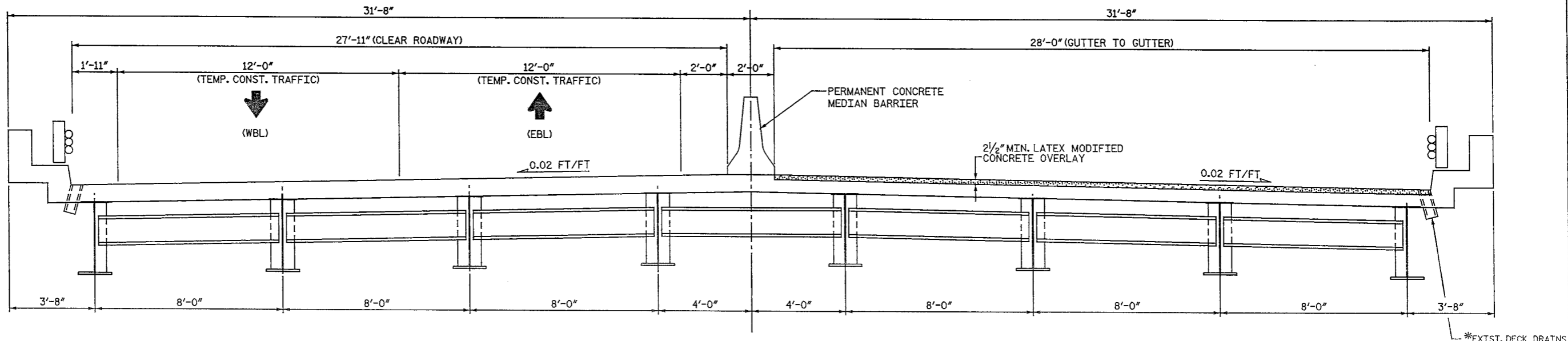
REVISIONS						SHEET NO. S-1
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 9
2			4			

*Joseph J. Hennekes*  
 11-15-09

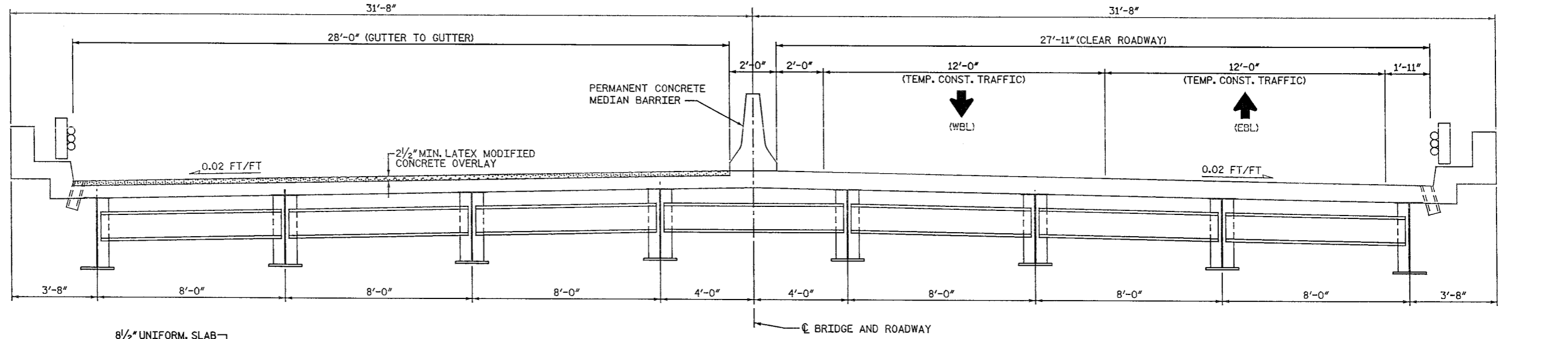
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 Suite 300, 801 Jones Franklin Road  
 Raleigh, NC 27609  
 Tel: 919.851.6886  
 Fax: 919.851.7024  
 www.stantec.com

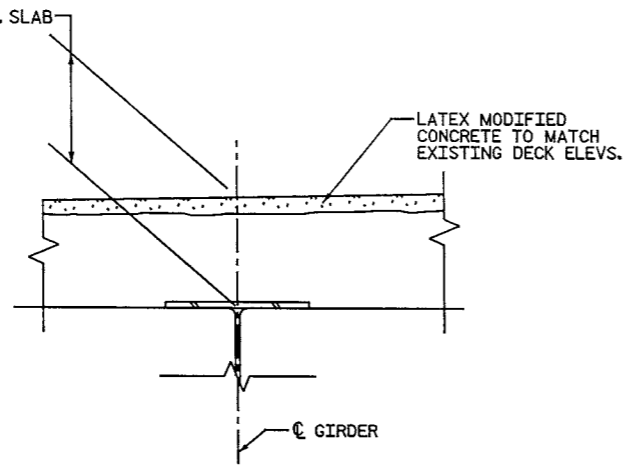
DRAWN BY: J. L. HENNEKES DATE: 11-02-09  
 CHECKED BY: J. T. KELVINGTON DATE: 11-02-09



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION



EXIST. SLAB BUILDUP

\*TEMPORARILY SEAL EXISTING DECK DRAINS DURING HYDRO-DEMOLITION AND LATEX MODIFIED CONCRETE PLACEMENT OPERATIONS. (TYP. EA. DRAIN)

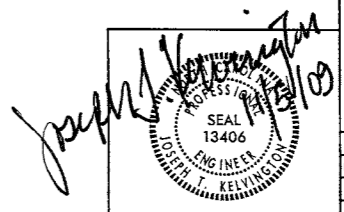
PROJECT NO. B-4700AM  
 HAYWOOD COUNTY  
 STATION: \_\_\_\_\_

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

BRIDGE TYPICAL SECTION

DECK REHAB. FOR BRIDGE NO. 142

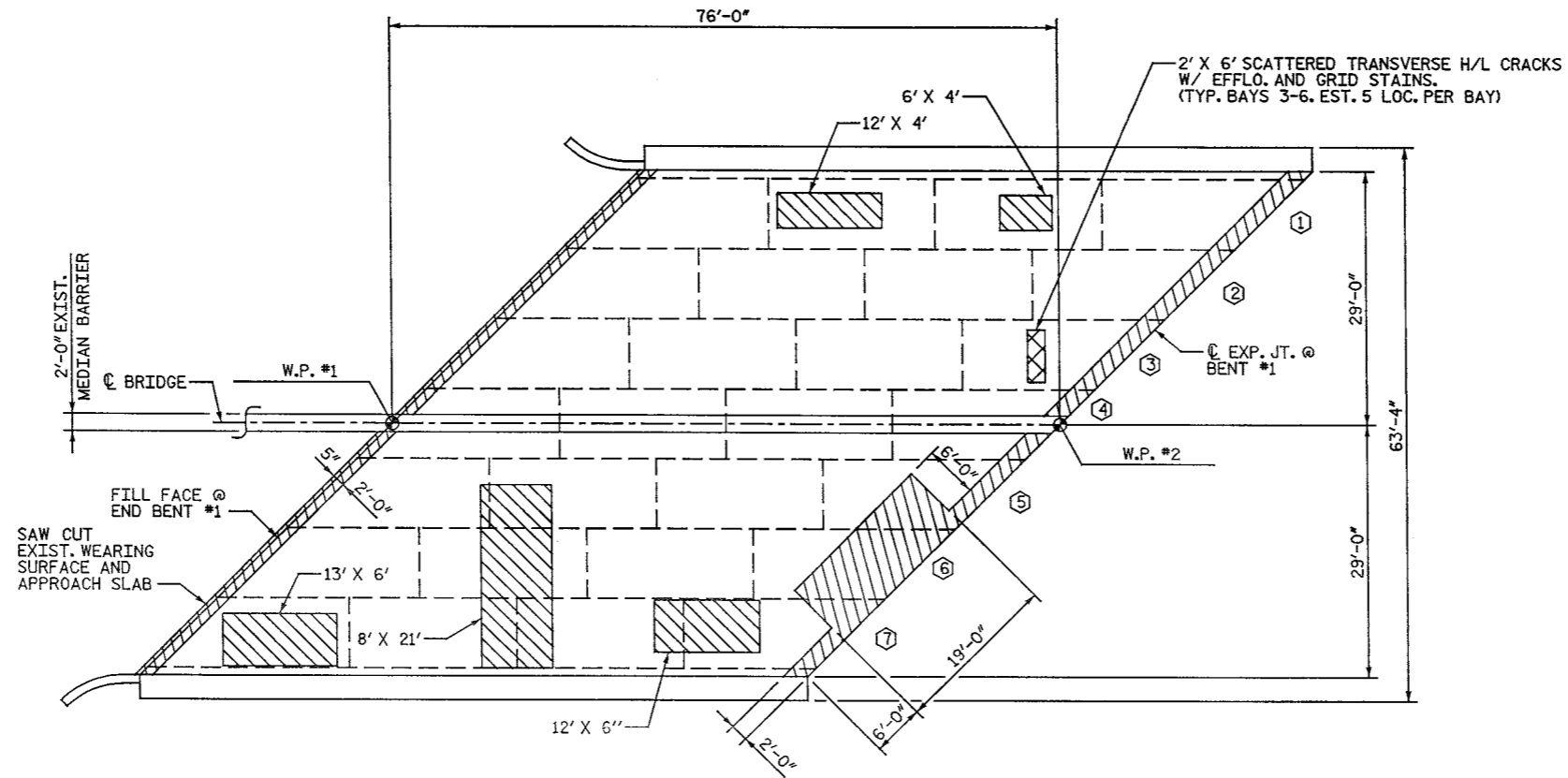
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NO.	BY	DATE	NO.	BY	DATE	
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2			4			



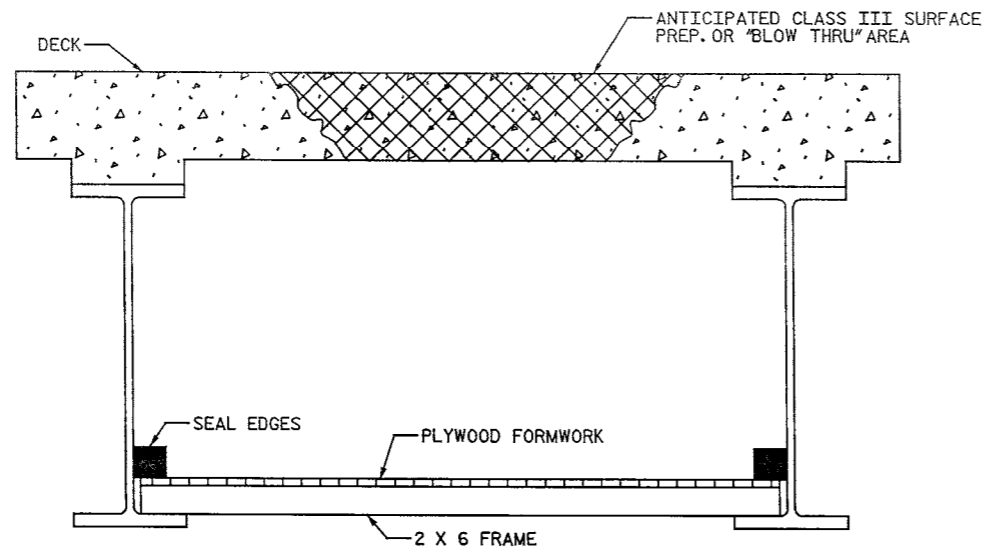
us:\structures\B-4700s haywood 142.drawing\B-4700\_TypSeot.dgn 11/5/2009 8:00:11 AM Jhennekes

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 Fax: 919.851.7024  
 www.stantec.com

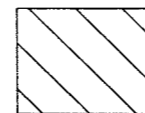
DRAWN BY: J. L. HENNEKES DATE: 11-02-09  
 CHECKED BY: J. T. KELVINGTON DATE: 11-02-09



PLAN OF SPAN A - DECK REPAIRS



TYP. "BLOW THRU" CONTAINMENT AND FORMWORK



CLASS II SURFACE PREPARATION



CLASS III SURFACE PREPARATION

L' X W' = LENGTH OF AREA ALONG  $\text{\textcircled{C}}$  BRIDGE X WIDTH OF AREA NORMAL TO  $\text{\textcircled{C}}$  BRIDGE

$\text{\textcircled{6}}$  DENOTES BAY NUMBER

PROJECT NO. B-4700AM  
HAYWOOD COUNTY  
 STATION: \_\_\_\_\_

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

DECK REPAIR DETAILS  
 SPAN A

DECK REHAB. FOR BRIDGE NO. 142

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	TOTAL SHEETS
1			3			9
2			4			

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

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

COSTS FOR INSTALLING AND REMOVING FORMWORK SHALL BE INCIDENTAL TO THE PRICE PER SQ. YARD OF HYDRO-DEMOLITION.

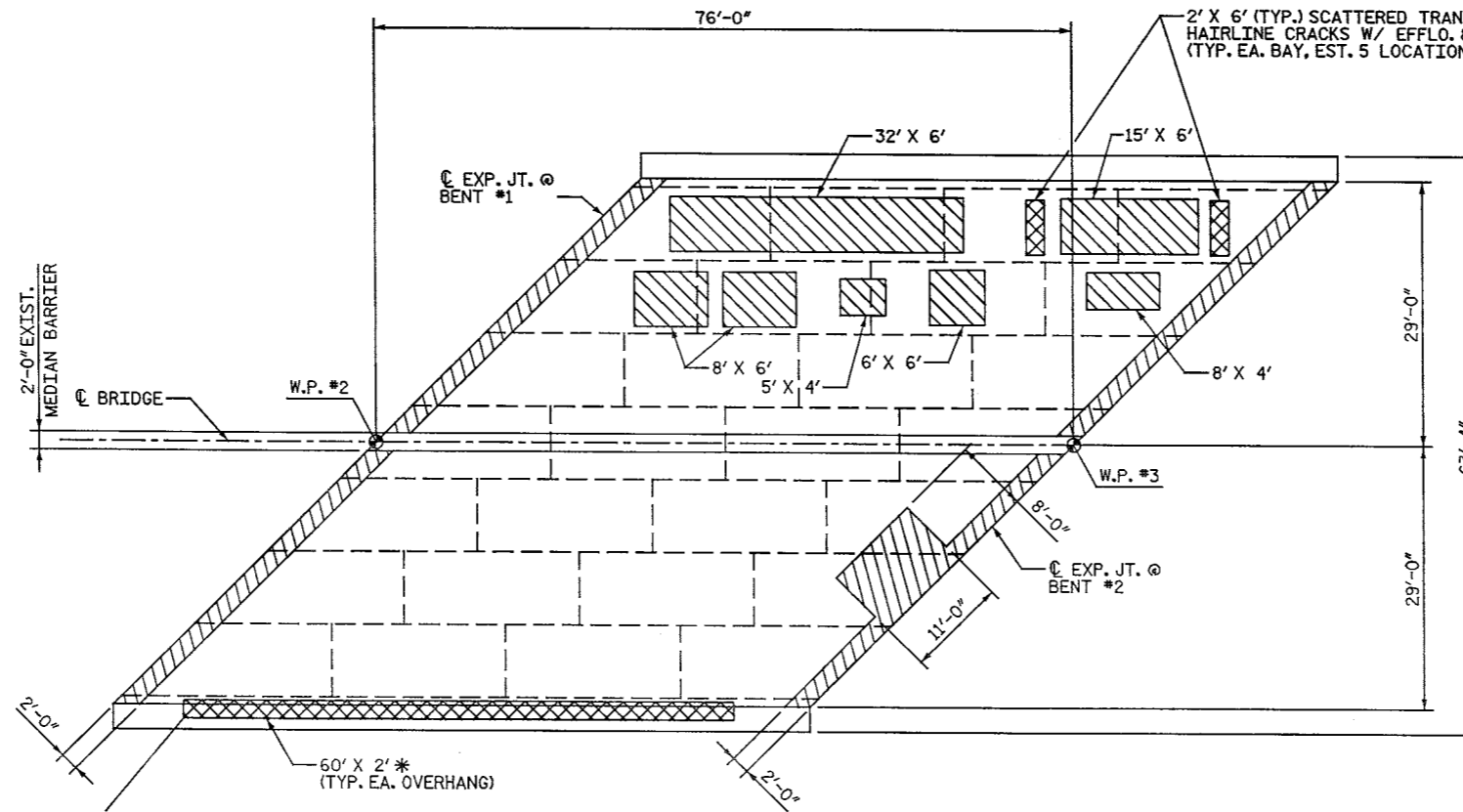
*Joseph T. Kelvington*  
 SEAL  
 13406  
 ENGINEER  
 JOSEPH T. KELVINGTON

I:\5\2009 11/5/2009 8:00:13 AM j\_hennekes  
 I:\structures\B-4700s haywood\42\drawing\B-4700\_Plan.dgn



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 Fax. 919.851.7024  
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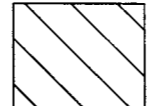
DRAWN BY : J. L. HENNEKES DATE : 11-02-09  
 CHECKED BY : J. T. KELVINGTON DATE : 11-02-09




**\*NOTE:**  
 CONTRACTOR SHALL FURNISH FORMWORK TO SUPPORT SLAB OVERHANG REGIONS WITH EXTENSIVE CLASS III SURFACE PREPARATION.  
 SUBMIT DETAILS OF PROPOSED FORMWORK FOR APPROVAL PRIOR TO BEGINNING WORK.  
 COSTS FOR INSTALLING AND REMOVING FORMWORK SHALL BE INCIDENTAL TO PRICE BID PER SQ. YD. OF CLASS III SURFACE PREPARATION.  
 SEE HYDRO-DEMOLITION SPECIAL PROVISIONS.

PLAN OF SPAN B - DECK REPAIRS

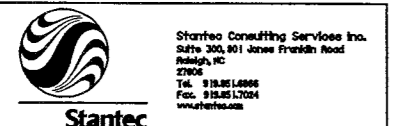
11/5/2009 8:00:14 AM Jhennekas  
 11/5/2009 8:00:14 AM Jhennekas  
 11/5/2009 8:00:14 AM Jhennekas

 CLASS II SURFACE PREPARATION

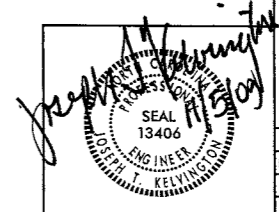
 CLASS III SURFACE PREPARATION

L' X W' = LENGTH OF AREA ALONG  $\text{\O}$  BRIDGE X WIDTH OF AREA NORMAL TO  $\text{\O}$  BRIDGE

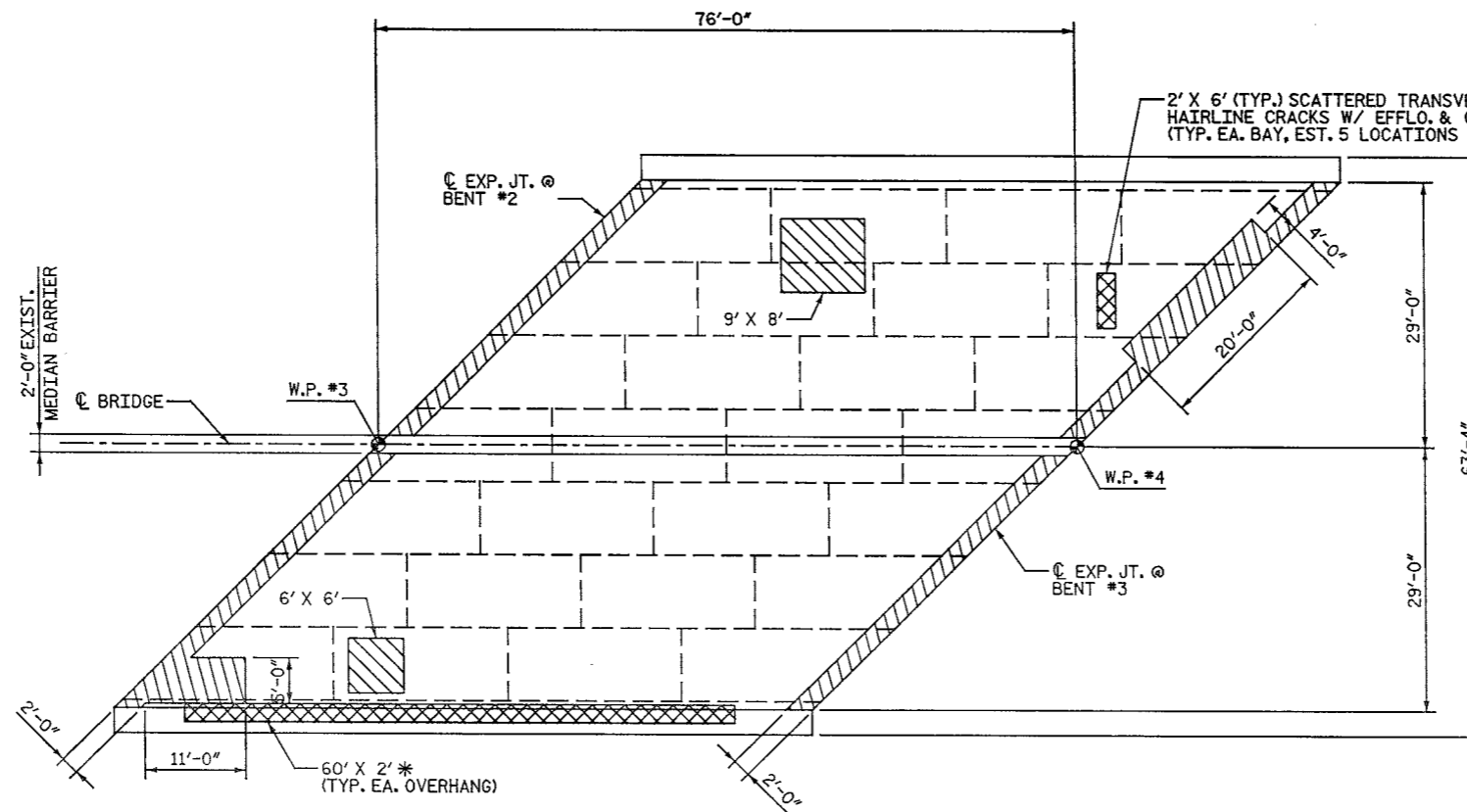
PROJECT NO. B-4700AM  
HAYWOOD COUNTY  
 STATION: \_\_\_\_\_



DRAWN BY : J. L. HENNEKES DATE : 11-02-09  
 CHECKED BY : J. T. KELVINGTON DATE : 11-02-09



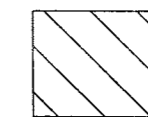
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
DECK REPAIR DETAILS SPAN B					
DECK REHAB. FOR BRIDGE NO. 142					
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		
SHEET NO.					S-4
TOTAL SHEETS					9



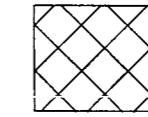
PLAN OF SPAN C - DECK REPAIRS

**\*NOTE:**

CONTRACTOR SHALL FURNISH FORMWORK TO SUPPORT SLAB OVERHANG REGIONS WITH EXTENSIVE CLASS III SURFACE PREPARATION.  
 SUBMIT DETAILS OF PROPOSED FORMWORK FOR APPROVAL PRIOR TO BEGINNING WORK.  
 COSTS FOR INSTALLING AND REMOVING FORMWORK SHALL BE INCIDENTAL TO PRICE BID PER SQ. YD. OF CLASS III SURFACE PREPARATION.  
 SEE HYDRO-DEMOLITION SPECIAL PROVISIONS.



CLASS II SURFACE PREPARATION

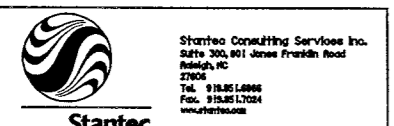


CLASS III SURFACE PREPARATION

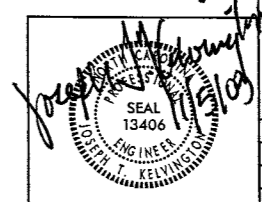
L' X W' = LENGTH OF AREA ALONG C BRIDGE X WIDTH OF AREA NORMAL TO C BRIDGE

I:\structures\B-4700s haywood\42\drawing\B-4700\_Plan3.dgn 11/5/2009 8:00:15 AM jhennekes

PROJECT NO. B-4700AM  
HAYWOOD COUNTY  
 STATION: \_\_\_\_\_



DRAWN BY : J. L. HENNEKES DATE : 11-02-09  
 CHECKED BY : J. T. KELVINGTON DATE : 11-02-09

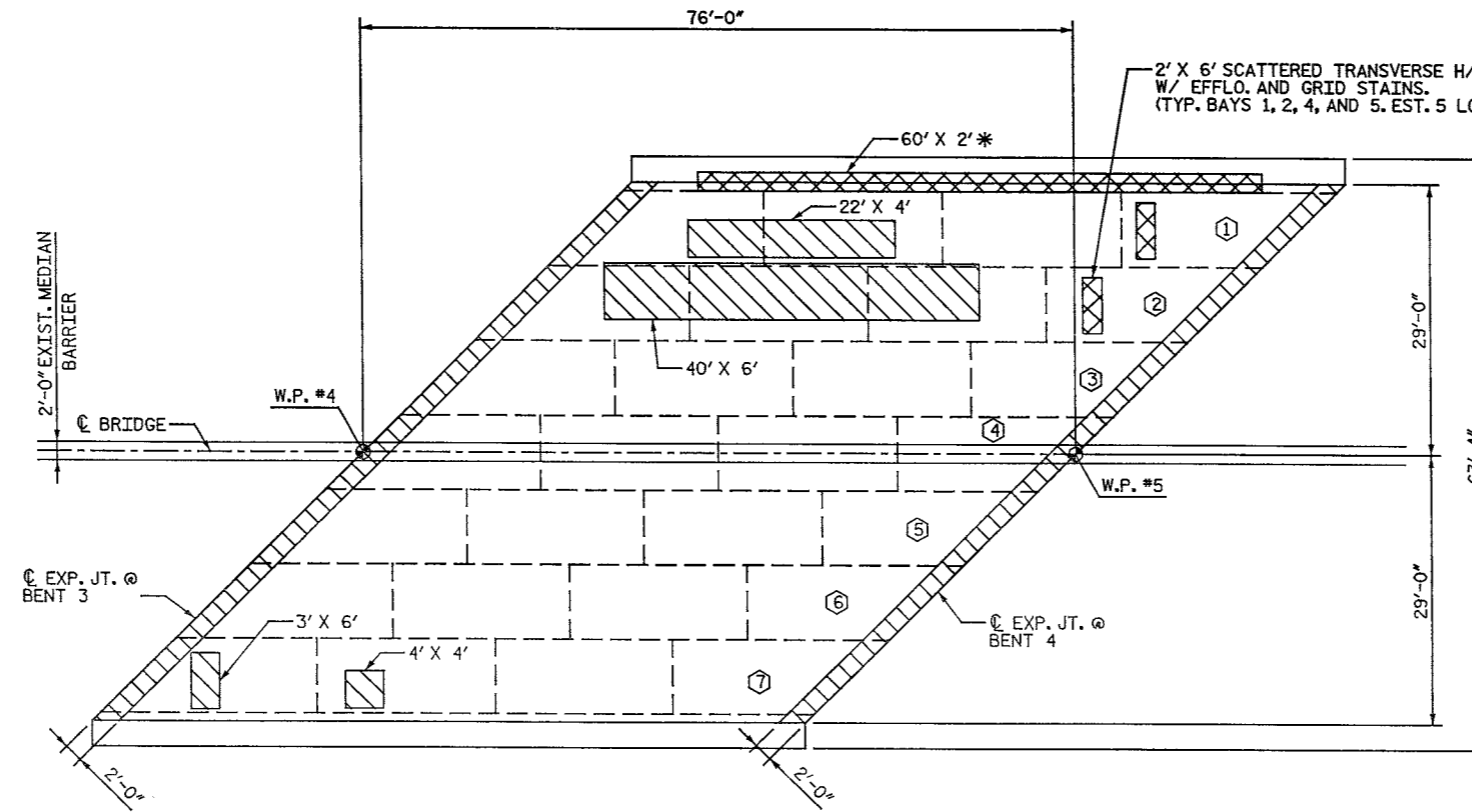


STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

DECK REPAIR DETAILS  
 SPAN C

DECK REHAB. FOR BRIDGE NO. 142

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2			4			

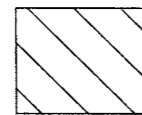


**\* NOTE:**

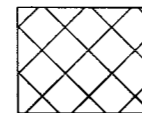
CONTRACTOR SHALL FURNISH FORMWORK TO SUPPORT SLAB OVERHANG REGIONS WITH EXTENSIVE CLASS III SURFACE PREPARATION.  
 SUBMIT DETAILS OF PROPOSED FORMWORK FOR APPROVAL PRIOR TO BEGINNING WORK.  
 COSTS FOR INSTALLING AND REMOVING FORMWORK SHALL BE INCIDENTAL TO PRICE BID PER SQ. YD. OF CLASS III SURFACE PREPARATION.  
 SEE HYDRO-DEMOLITION SPECIAL PROVISIONS.

⊠ DENOTES BAY NUMBER

**PLAN OF SPAN D - DECK REPAIRS**



CLASS II SURFACE PREPARATION



CLASS III SURFACE PREPARATION

L' X W' = LENGTH OF AREA ALONG C BRIDGE X WIDTH OF AREA NORMAL TO C BRIDGE

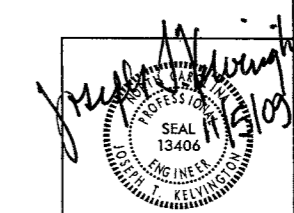
PROJECT NO. B-4700AM  
HAYWOOD COUNTY  
 STATION: \_\_\_\_\_

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

DECK REPAIR DETAILS  
 SPAN D

DECK REHAB. FOR BRIDGE NO. 142

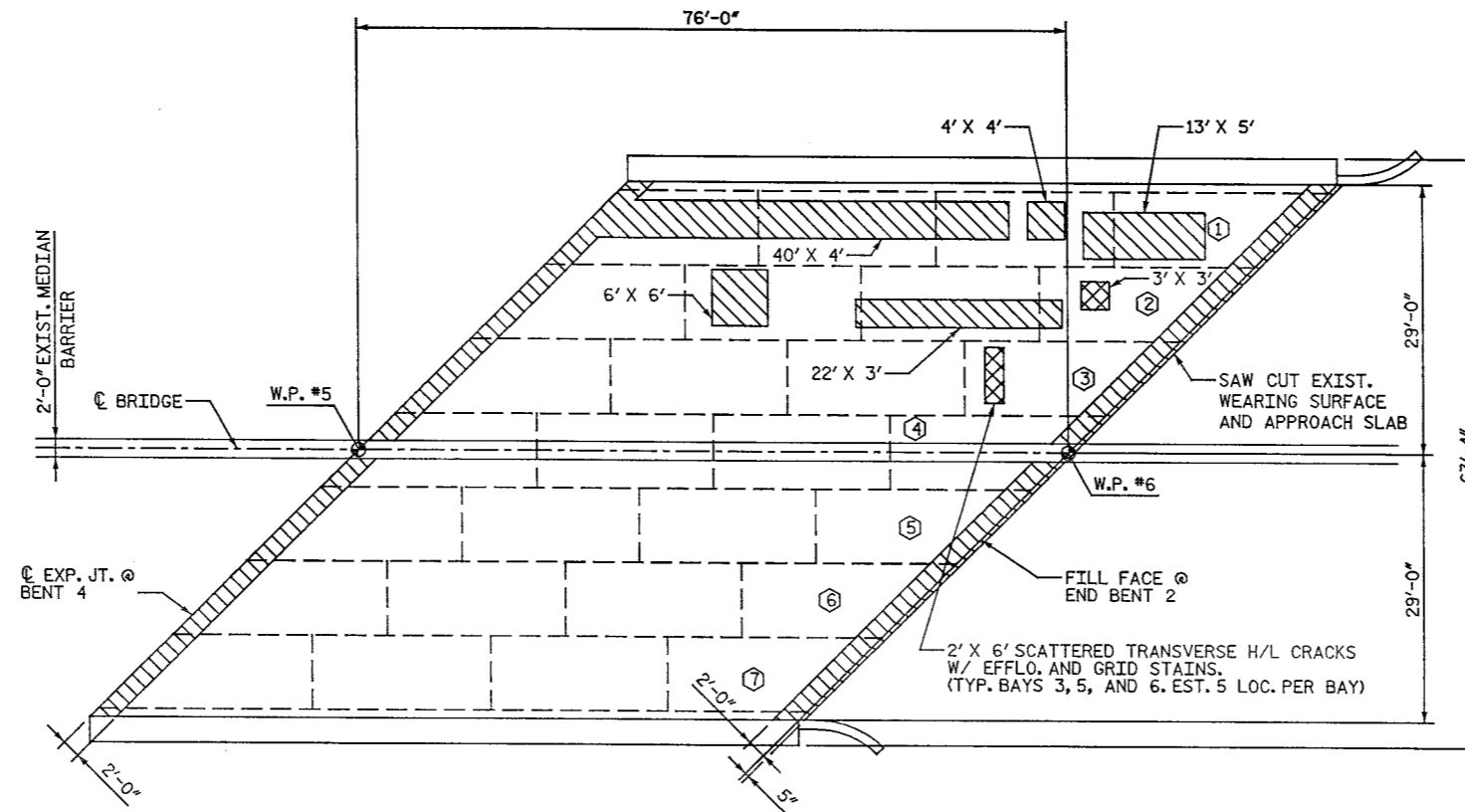
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NO.	BY	DATE	NO.	BY	DATE	
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2			4			TOTAL SHEETS 9



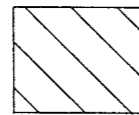
I:\structures\4700s haywood\42\drawing\4700\_Plan4.dgn 11/5/2009 8:03:17 AM jhennekes

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 Tel. 919.851.0999  
 Fax. 919.851.1704  
 www.stantec.com

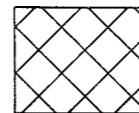
DRAWN BY : J. L. HENNEKES DATE : 11-02-09  
 CHECKED BY : J. T. KELVINGTON DATE : 11-02-09



PLAN OF SPAN E - DECK REPAIRS



CLASS II SURFACE PREPARATION



CLASS III SURFACE PREPARATION

L' X W' = LENGTH OF AREA ALONG  $\text{C}$  BRIDGE X  
WIDTH OF AREA NORMAL TO  $\text{C}$  BRIDGE

$\text{C}$  DENOTES BAY NUMBER

PROJECT NO. B-4700AM  
HAYWOOD COUNTY  
STATION: \_\_\_\_\_

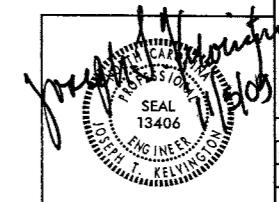
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

DECK REPAIR DETAILS  
SPAN E

DECK REHAB. FOR BRIDGE NO. 142



DRAWN BY : J. L. HENNEKES DATE : 11-02-09  
CHECKED BY : J. T. KELVINGTON DATE : 11-02-09

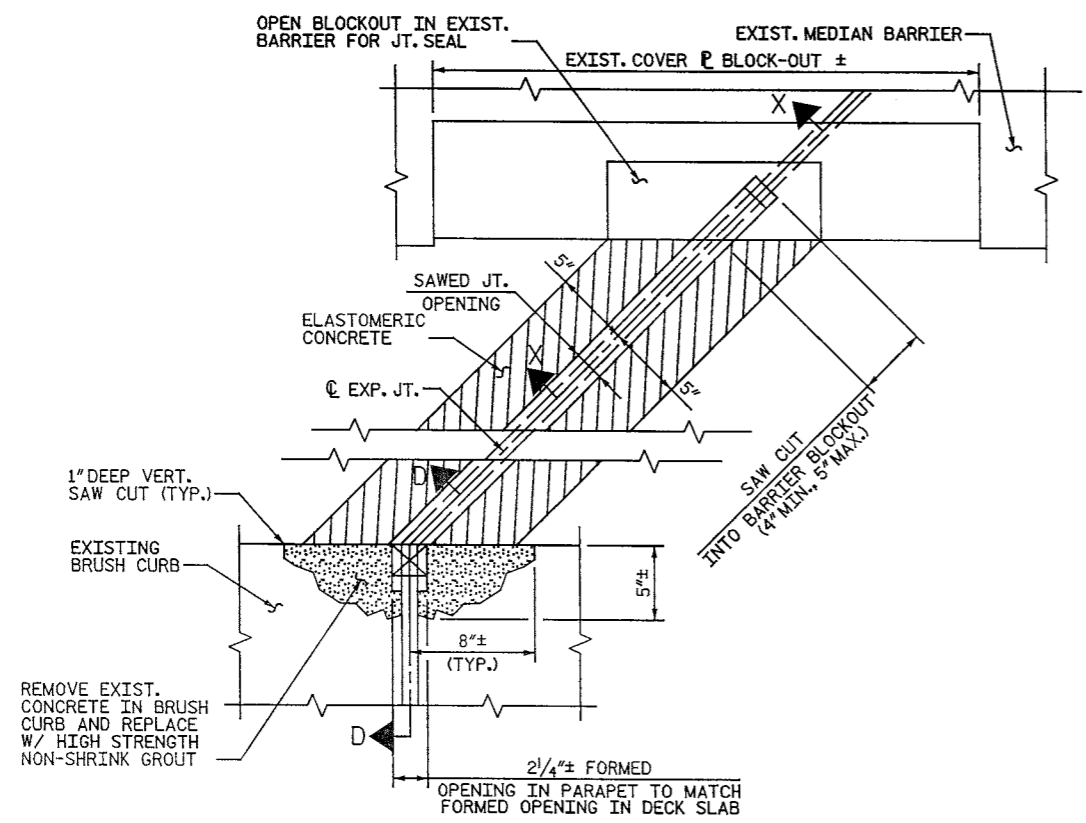


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NO.	BY	DATE	NO.	BY	DATE	
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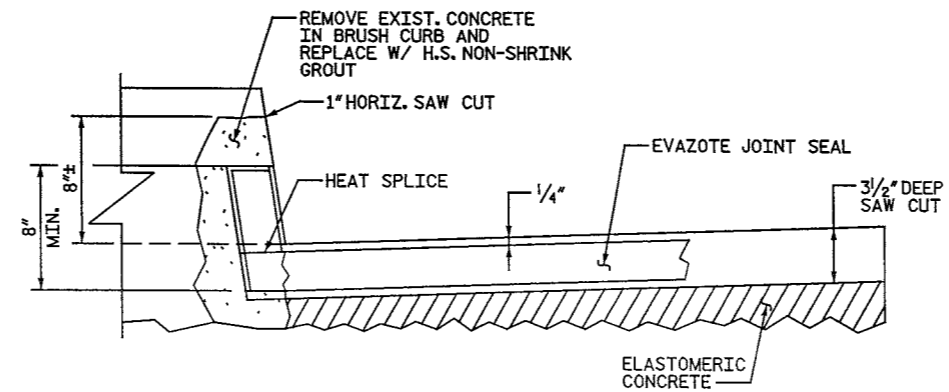
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11/5/2009 8:00:20 AM jhennekus us:\structures\B-4700S Haywood 142\Drawing\B-4700.Det.dgn



PARTIAL PLAN @ JOINT

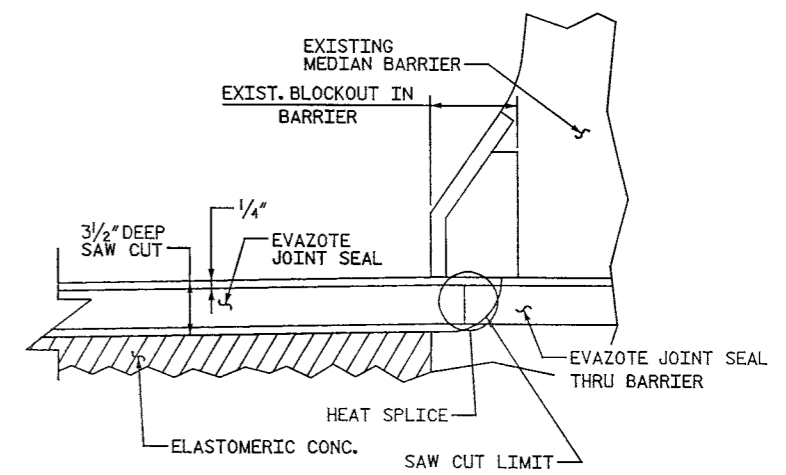


SECTION D-D

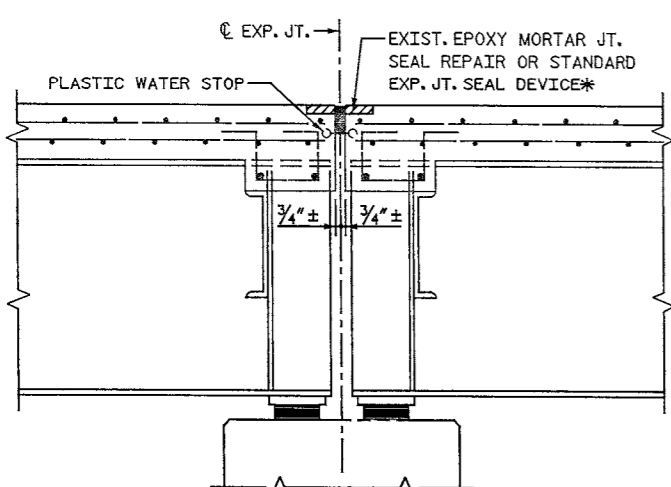
CONTRACTOR SHALL EXERCISE CARE TO AVOID CUTTING OR DAMAGING EXISTING REINF. STEEL.  
 FOR HIGH STRENGTH GROUT, SEE SPECIAL PROVISIONS.  
 HIGH STRENGTH GROUT SHALL BE APPROVED BY THE ENGINEER.

ELASTOMERIC CONCRETE LOCATION	QTY
END BENT 1	19.8 C.F.
BENT 1	27.2 C.F.
BENT 2	27.2 C.F.
BENT 3	27.2 C.F.
BENT 4	27.2 C.F.
END BENT 2	19.8 C.F.

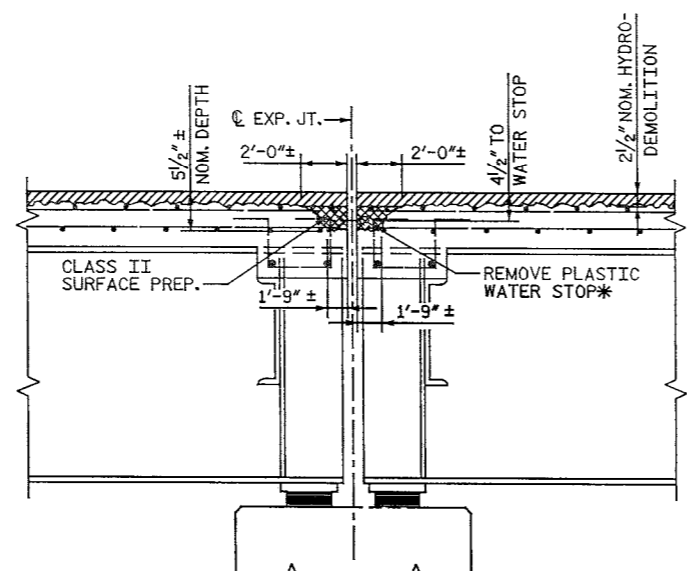
TOTAL ELASTOMERIC CONC. = 148.4 C.F.  
 TOTAL ELASTOMERIC CONC. = 5.5 C.Y.



SECTION X-X

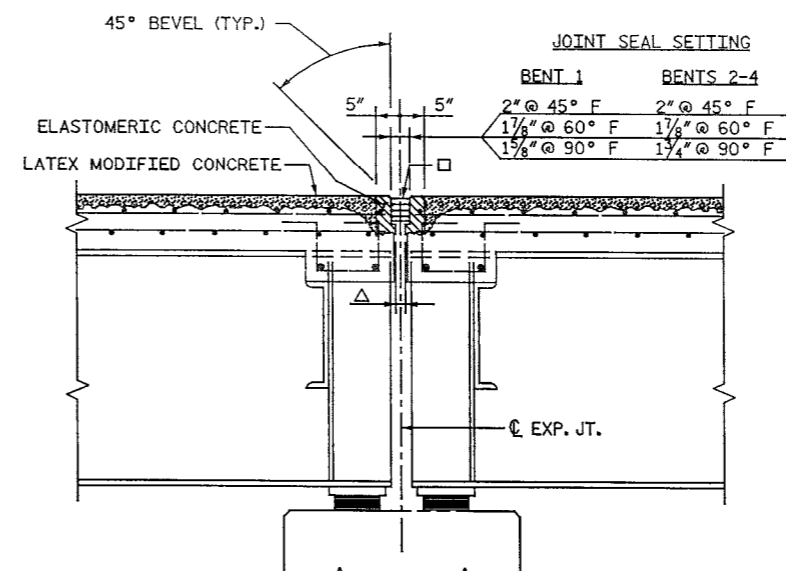


SECTION B-B  
(EXISTING JOINT)



SECTION B-B  
(MINIMUM EXISTING JOINT DEMOLITION)

NOTE: RETAIN ALL EXIST. REINF. STEEL, CLEAN AND REPAIR AS REQ'D  
 \* ALL EXISTING JOINT SEAL DEVICES AND EPOXY JT. SEAL REPAIR COMPONENTS ARE TO BE COMPLETELY REMOVED



SECTION B-B  
(JOINT SEAL DESIGN)

□ USE 2.8125" X 2.50" UNCOMPRESSED EVAZOTE JT. SEAL MATERIAL  
 △ 1" FORMED OPENING

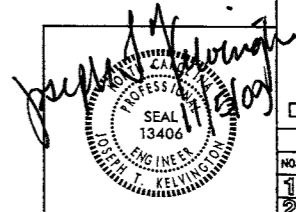
JOINT SEAL SETTING

BENT 1	BENTS 2-4
2" @ 45° F	2" @ 45° F
1 1/8" @ 60° F	1 1/8" @ 60° F
1 1/8" @ 90° F	1 1/4" @ 90° F

PROJECT NO. B-4700AM  
 HAYWOOD COUNTY  
 STATION: \_\_\_\_\_

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 Suite 300, 801 Jones Branch Road  
 Raleigh, NC 27606  
 Tel: 919.851.4999  
 Fax: 919.851.7094  
 www.stantec.com

DRAWN BY: B. J. ELLIOT DATE: 11-02-09  
 CHECKED BY: J. T. KELVINGTON DATE: 11-02-09



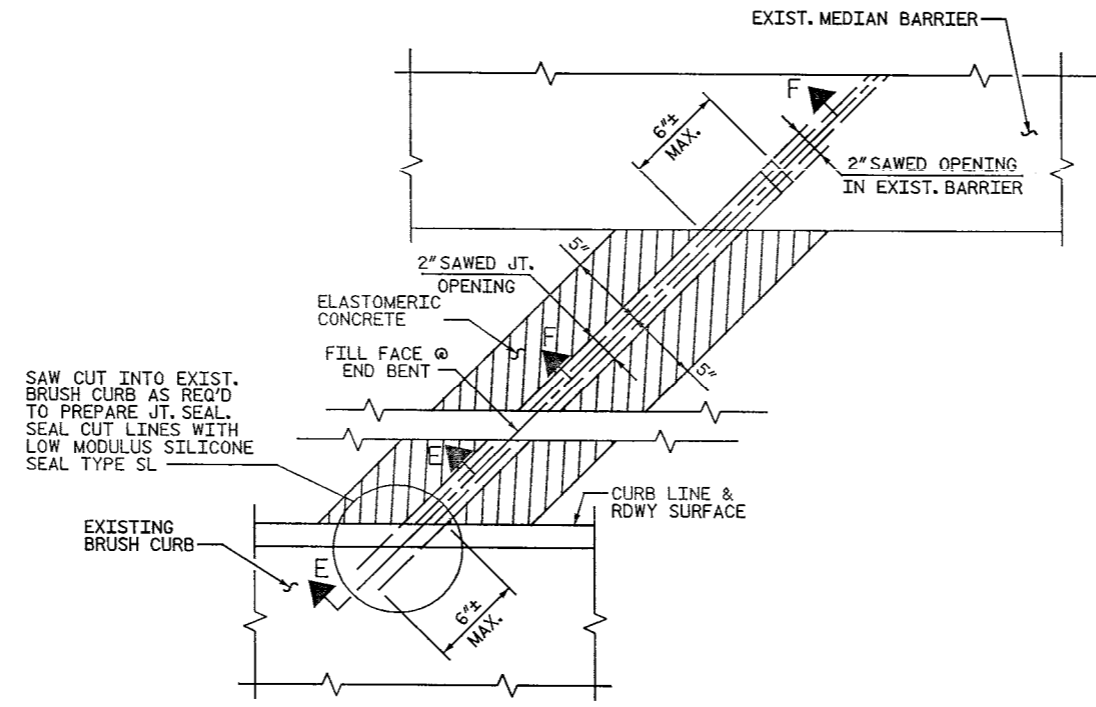
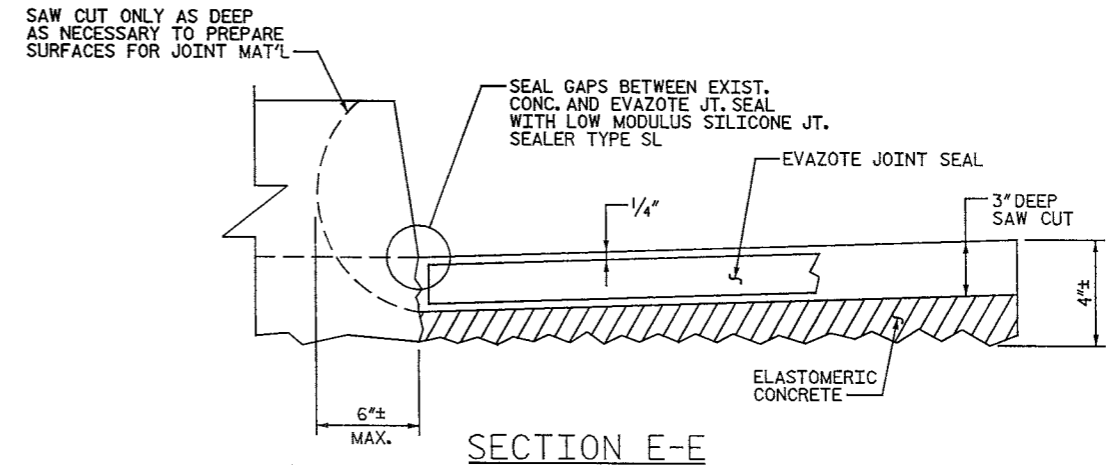
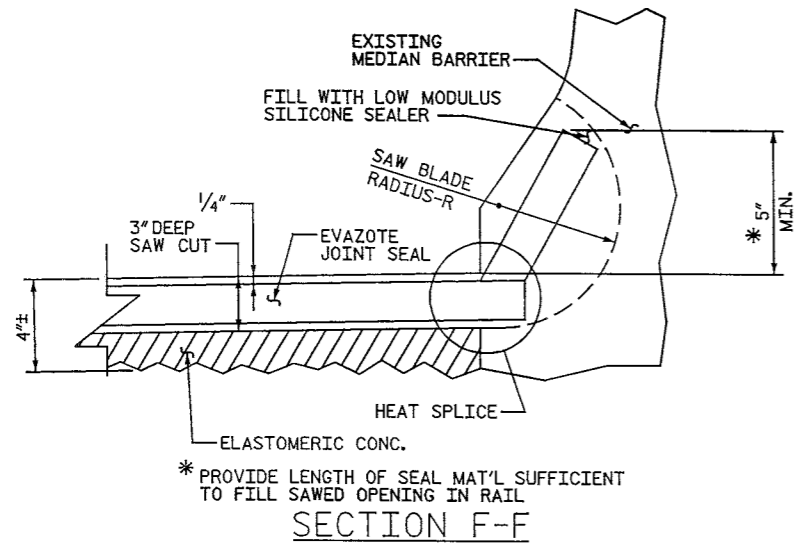
STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

EXPANSION JOINT DETAILS

DECK REHAB. FOR BRIDGE NO. 142

REVISIONS						SHEET NO. S-8
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 9
2			4			

+



**PARTIAL PLAN @ END BENT #1**  
(END BENT #2 SIMILAR)

SEE SHT. NO. S-1, DETAIL B, FOR CROSS SECTION THRU JOINT AREA

PROJECT NO. B-4700AM  
HAYWOOD COUNTY  
STATION: \_\_\_\_\_

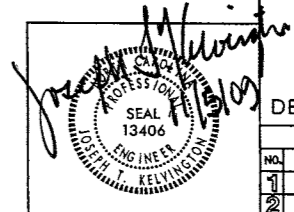
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

END BENT JOINT SEAL  
DETAILS

DECK REHAB. FOR BRIDGE NO. 142



DRAWN BY: J. L. HENNEKES DATE: 11-02-09  
CHECKED BY: J. T. KELVINGTON DATE: 11-02-09



REVISIONS						SHEET NO. S-9
NO.	BY	DATE	NO.	BY	DATE	
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2			4			

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11/4/2008  
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ckr:ageor:ge

**TIP NO.: B-4700AM**

**WBS 36727.3.37**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**PLAN FOR PROPOSED  
TRAFFIC CONTROL, MARKING & DELINEATION  
HAYWOOD COUNTY**

**LOCATION: BRIDGE 142 ON I-40 OVER PIGEON RIVER**

**TYPE OF WORK: TRAFFIC CONTROL FOR BRIDGE DECK PRESERVATION**

STATE PROJECT REFERENCE NO.	SHEET NO.
B-4700AM	TCP-1

**LEGEND**

- GENERAL**
- DIRECTION OF TRAFFIC FLOW
  - NORTH ARROW
  - EXISTING PAVEMENT
  - 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
- TEMPORARY CRASH CUSHION
- CHANGEABLE MESSAGE SIGN
- TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
- LAW ENFORCEMENT
- 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
1110.01	STATIONARY WORK ZONE SIGNS
1145.01	BARRICADES
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, & INDEX OF SHEETS
TCP-2	GENERAL NOTES, PHASING, VICINITY MAP
TCP-3	PHASE I I-40 EASTBOUND DECK PRESERVATION
TCP-4	PHASE II I-40 WESTBOUND DECK PRESERVATION

APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_

*Betsy L. Watson*  
11/4/09

PLAN PREPARED BY: \_\_\_\_\_

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

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 UNDESIRABLE 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.

- A) INTERSTATE 40 THROUGH THE AREA OF THIS PROJECT IS CLOSED TO PUBLIC TRAFFIC DUE TO ROCK SLIDE INCIDENT NEAR THE TENNESSEE BORDER. CONSTRUCTION VEHICLES WILL BE USING I-40 TO ACCESS THE ROCK SLIDE AREA FOR CLEAN-UP. IN ADDITION, LOCAL TRAFFIC WILL BE USING ONE SIDE OF I-40 FOR ACCESS TO EXITS 15 AND 7 AS DESCRIBED IN THE PHASING.
- B) THIS PROJECT IS LET TO CONTRACT SIMULTANEOUSLY WITH OTHER PROJECTS IN THE AREA WHILE I-40 IS CLOSED TO PUBLIC TRAVEL.
- C) COORDINATE WITH THE CONTRACTOR(S) OF THE OTHER ONGOING BRIDGE PRESERVATION PROJECTS AND THE CONTRACTOR OF THE ROCK SLIDE CLEAN-UP.
- D) UPON COMPLETION OF THE BRIDGE DECK OVERLAYS REPLACE THE EXISTING PAVEMENT MARKINGS ON I-40 WITH POLYUREA MARKINGS.

### TRAFFIC CONTROL PHASING

#### PHASE I (SEE SHEET TCP-3)

**STEP 1:**  
THE CONTRACTOR OF BRIDGE NO. 124/205 AT FINES CREEK RD./US 276 WILL INSTALL TRAFFIC CONTROL DEVICES AND PLACE I-40 TRAFFIC ON THE EASTBOUND SIDE IN A TWO-LANE TWO-WAY PATTERN.

COORDINATE WITH ADJACENT PROJECT CONTRACTORS BEFORE BEGINNING ANY WORK.

#### STEP 2:

WITH I-40 CLOSED TO PUBLIC THROUGH TRAFFIC AND WITH CONSTRUCTION/LOCAL TRAFFIC USING I-40 WESTBOUND SIDE, CONSTRUCT BRIDGE #142 DECK PRESERVATION ON THE I-40 EASTBOUND SIDE.

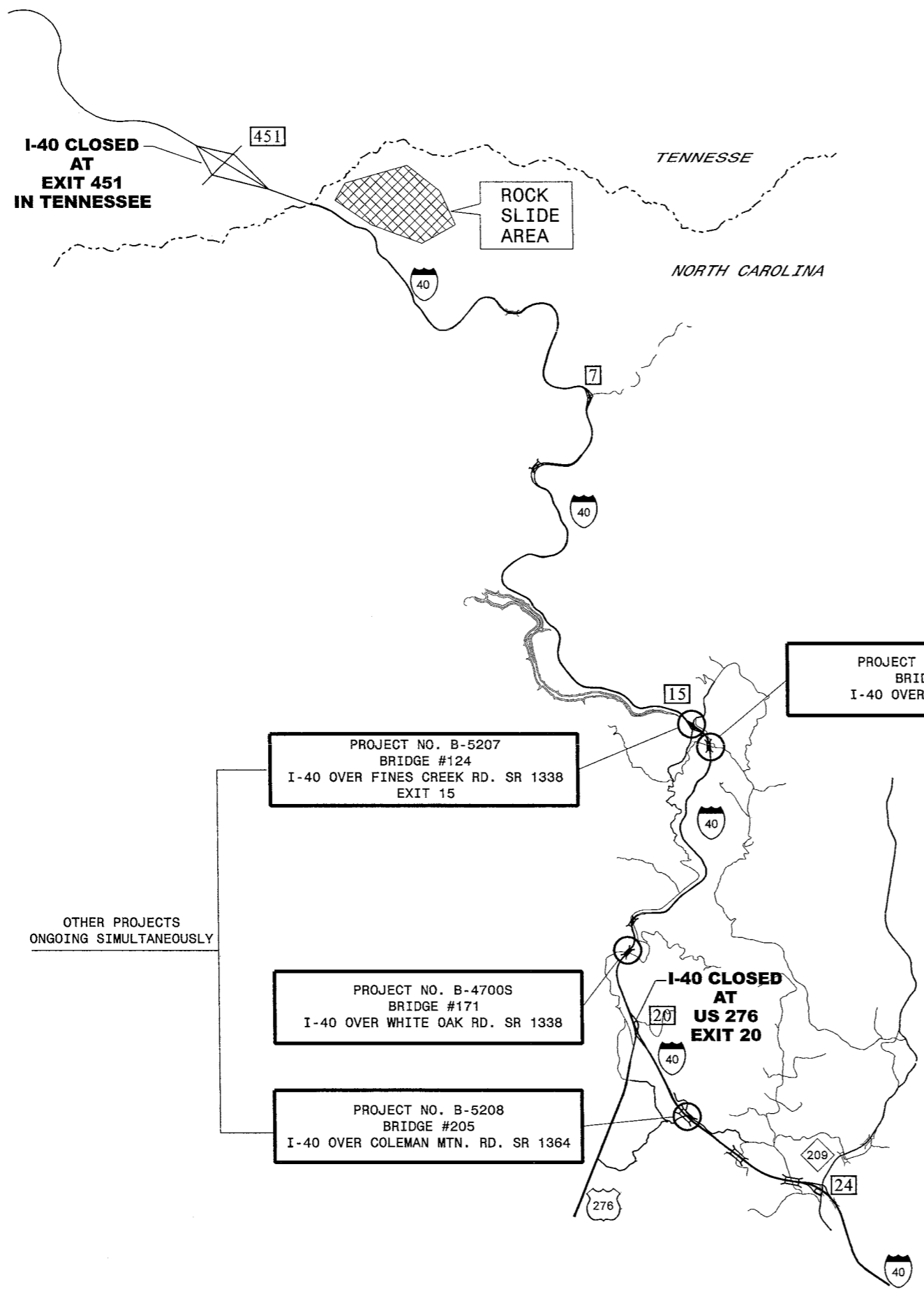
#### STEP 3:

UPON COMPLETION OF BRIDGE #142 DECK PRESERVATION ON THE EASTBOUND SIDE OF I-40, COORDINATE WITH THE ADJACENT PROJECT CONTRACTORS OF BRIDGE NOS 124 AND 171. ENSURE THE I-40 EASTBOUND DECK PRESERVATION FOR ALL THREE BRIDGES #124, #142 AND #171 IS COMPLETE BEFORE BEGINNING THE I-40 WESTBOUND SIDE IN PHASE II.

#### PHASE II (SEE SHEET TCP-4)

**STEP 1:**  
UPON COMPLETION OF THE DECK PRESERVATION FOR THE I-40 EASTBOUND SIDE FOR BRIDGE NOS 124, 142 AND 171, COORDINATE BEGINNING THE WESTBOUND SIDE WITH THE OTHER CONTRACTORS. THE CONTRACTOR OF BRIDGE #124/205 WILL REVISE TRAFFIC CONTROL DEVICES AND SWITCH I-40 LOCAL/CONSTRUCTION TRAFFIC TO THE I-40 EASTBOUND SIDE IN A TWO-LANE TWO-WAY TRAFFIC PATTERN.

**STEP 2:**  
WITH LOCAL/CONSTRUCTION TRAFFIC OPERATING ON THE I-40 EASTBOUND SIDE, CONSTRUCT BRIDGE #142 DECK PRESERVATION ON THE I-40 WESTBOUND SIDE.



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 gbr.george



SEAL

*Matthew Watson*  
11/4/09

SIGNATURE DATE

### GENERAL NOTES TRAFFIC CONTROL PHASING

SCALE: NONE  
DATE: OCT. 2009  
DWG. BY: GK  
DESIGN BY: GK  
REVIEWED BY: BLW

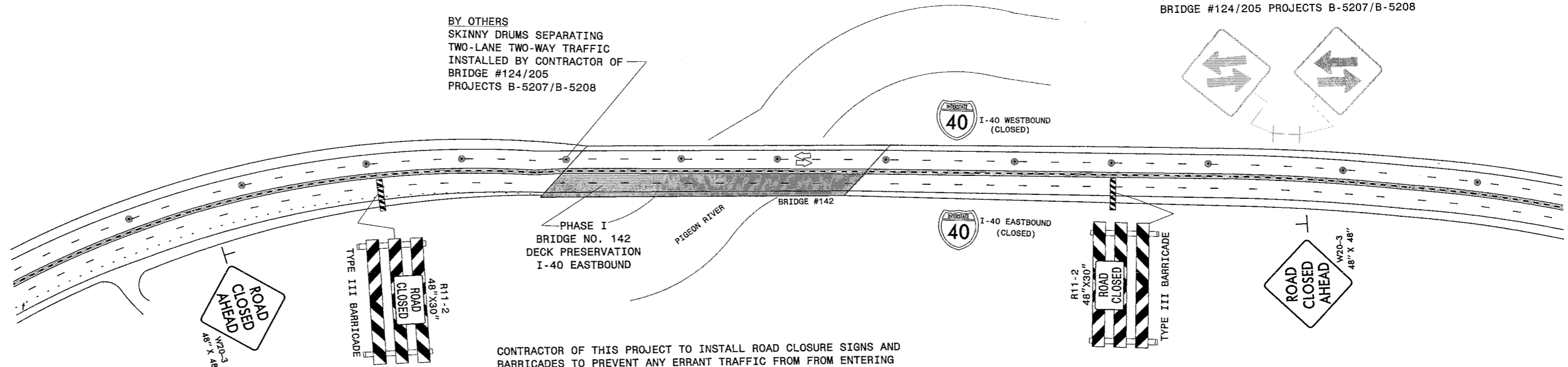
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**INTERSTATE 40**  
 CLOSED TO PUBLIC THROUGH TRAFFIC  
 DUE TO ROCK SLIDE INCIDENT  
  
 PHASE I BRIDGE NO. 142 DECK PRESERVATION OF I-40 EASTBOUND.  
 I-40 WESTBOUND LANES OPEN ONLY TO CONSTRUCTION VEHICLES  
 FOR ACCESS TO ROCK SLIDE AREA AND LOCAL TRAFFIC ACCESSING EXITS 15 AND 7.


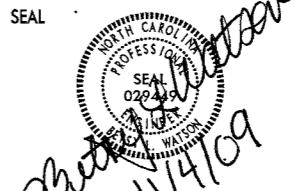

BY OTHERS  
 SIGNS INSTALLED BY CONTRACTOR OF  
 BRIDGE #124/205 PROJECTS B-5207/B-5208

BY OTHERS  
 SKINNY DRUMS SEPARATING  
 TWO-LANE TWO-WAY TRAFFIC  
 INSTALLED BY CONTRACTOR OF  
 BRIDGE #124/205  
 PROJECTS B-5207/B-5208



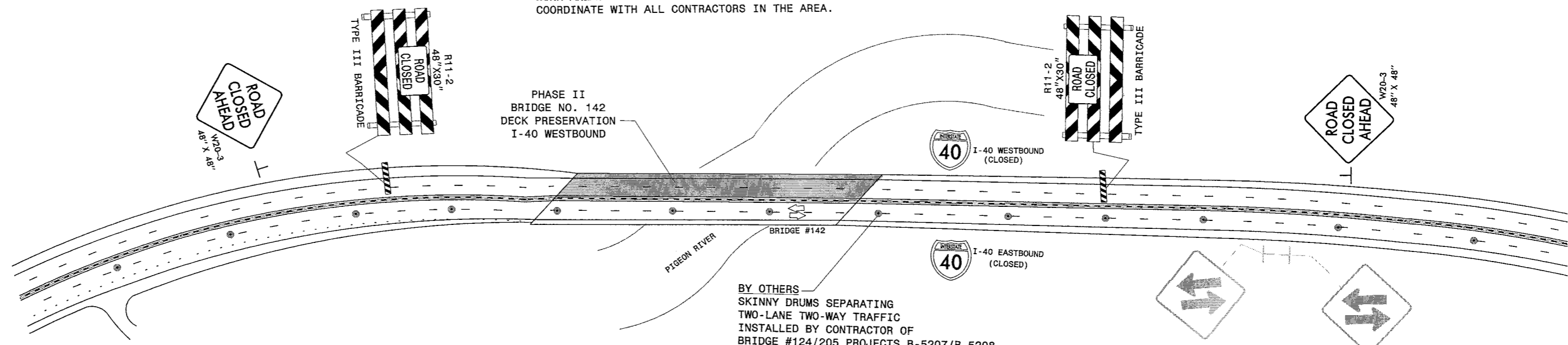
CONTRACTOR OF THIS PROJECT TO INSTALL ROAD CLOSURE SIGNS AND  
 BARRICADES TO PREVENT ANY ERRANT TRAFFIC FROM ENTERING  
 BRIDGE WORK AREA. INSTALL BARRICADES AS DIRECTED BY THE ENGINEER  
 AND COORDINATE WITH ALL CONTRACTORS IN THE AREA.

I:\472009\_Haywood\142\PLAN\_SHEETS\B-4700AM\_tcp\_psh\_03.dgn  
 gharageorge

 <b>Stantec</b> <small>Stantec Consulting Services Inc.          Suite 300, 801 Jones Franklin Road          Raleigh, NC          27606          Tel. 919.851.6888          Fax. 919.851.7024          www.stantec.com</small>	SEAL  <i>11/4/09</i>	<b>PHASE I</b> <b>BRIDGE #142 I-40 EASTBOUND</b> <b>DECK PRESERVATION</b>																
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SCALE:</td> <td>NONE</td> </tr> <tr> <td>DATE:</td> <td>OCT. 2009</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:	OCT. 2009	DWG. BY:	GK	DESIGN BY:	GK	REVIEWED BY:	BLW		<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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CONTRACTOR OF THIS PROJECT TO INSTALL ROAD CLOSURE SIGNS AND BARRICADES TO PREVENT ANY ERRANT TRAFFIC FROM ENTERING BRIDGE WORK AREA. INSTALL BARRICADES AS DIRECTED BY THE ENGINEER AND COORDINATE WITH ALL CONTRACTORS IN THE AREA.



INTERSTATE 40  
 CLOSED TO PUBLIC THROUGH TRAFFIC  
 DUE TO ROCK SLIDE INCIDENT  
  
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 I-40 EASTBOUND LANES OPEN ONLY TO CONSTRUCTION VEHICLES  
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 ghergeorge

<p><b>Stantec</b> 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>	SEAL 	<b>PHASE II BRIDGE #142 I-40 WESTBOUND DECK PRESERVATION</b>							
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