

**CONTRACT NO: C202590**

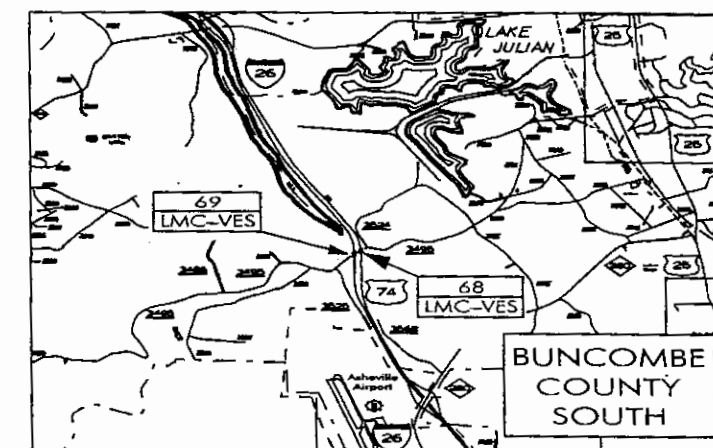
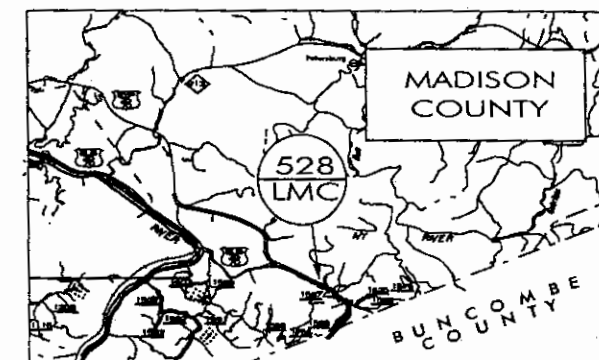
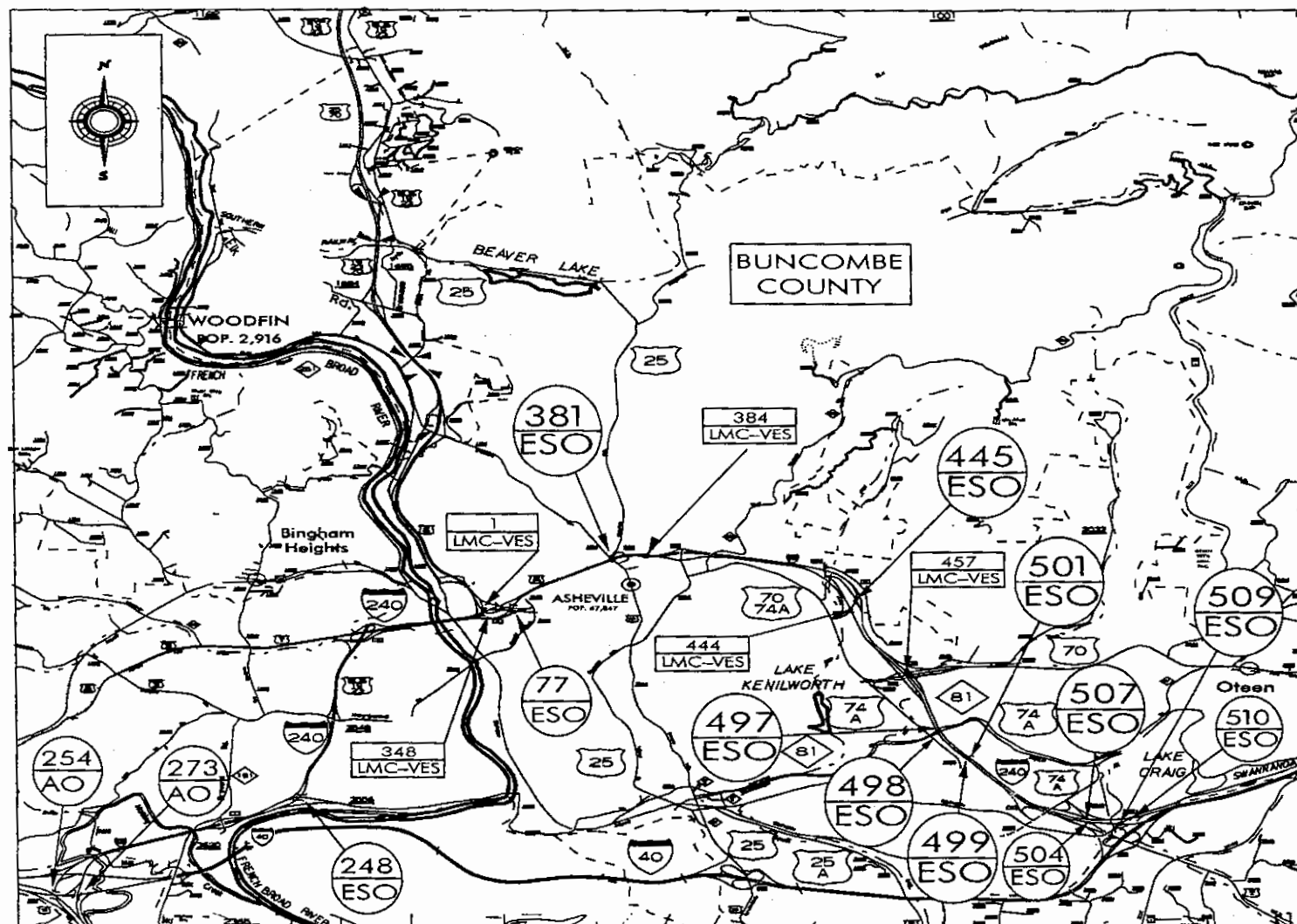


**BUNCOMBE AND MADISON  
COUNTIES**

Brq. # 248

[illegible]

|                |                                              |
|----------------|----------------------------------------------|
| BR#<br>LMC-VES | LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH. |
| BR#<br>LMC     | LATEX MODIFIED CONCRETE.                     |
| BR#<br>ESC     | EPOXY STONE OVERLAY.                         |
| BR#<br>AO      | ASPHALT OVERLAY.                             |



Prepared in the Office of:  
**BRIDGE MANAGEMENT UNIT**  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DAN HOLDERMAN, PE  
STATE BRIDGE  
MANAGEMENT ENGINEER

**RICK NELSON, PE**  
*DESIGN ENGINEER*

## PART 2

TIP PROJECT: B-5179C

CONTRACT NO: C202590

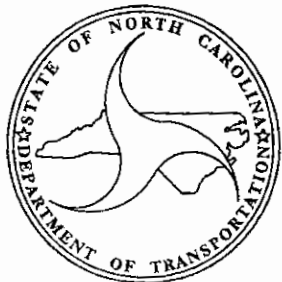
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
**BUNCOMBE AND MADISON  
COUNTIES**

LOCATION: I-26, US 25/70, I-240, ISLAND ROAD,  
US 19/23 FUTURE I-26, SR-1001, I-40  
TYPE OF WORK: BRIDGE DECK PRESERVATION.

| STATE             | STATE PROJECT REFERENCE NO. | SHEET NO.   | TOTAL SHEETS |
|-------------------|-----------------------------|-------------|--------------|
| N.C.              | B-5179C                     | 1           | 1A           |
| STATE PROJECT NO. | F.A. PROJ. NO.              | DESCRIPTION |              |
| 45066.1ST1        | STM-000S (615)              | PE          |              |
| 45066.3ST1        | STM-000S (615)              | CONSTR      |              |
|                   |                             |             |              |
|                   |                             |             |              |
|                   |                             |             |              |
|                   |                             |             |              |

INDEX OF SHEETS

| SHT#              | DESCRIPTION           |
|-------------------|-----------------------|
| 1                 | TITLE SHEET           |
| 1A                | INDEX OF SHEETS       |
| S1 THRU S49       | STRUCTURE PLANS       |
| TCP-1 THRU TCP-15 | TRAFFIC CONTROL PLANS |

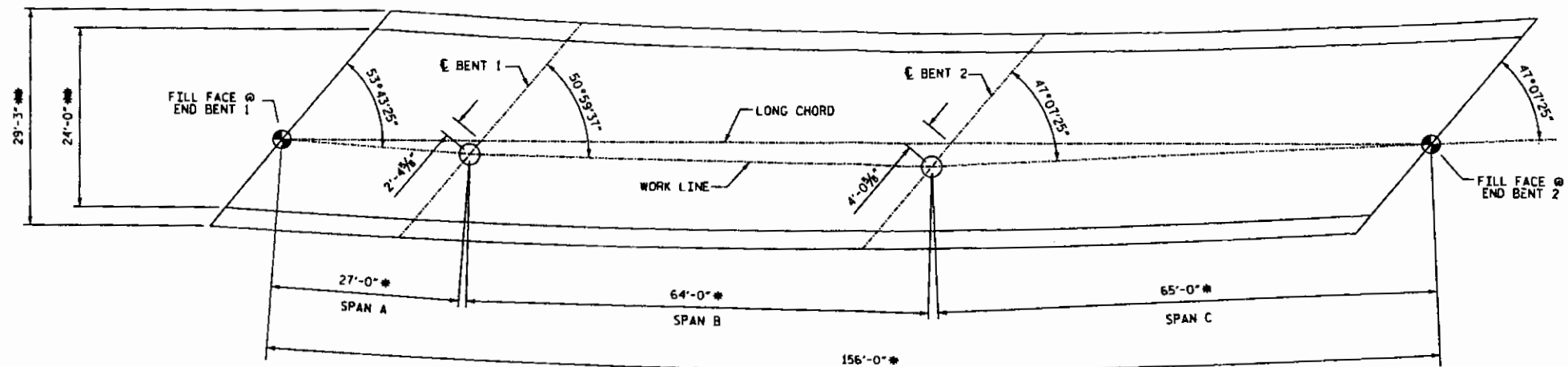


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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

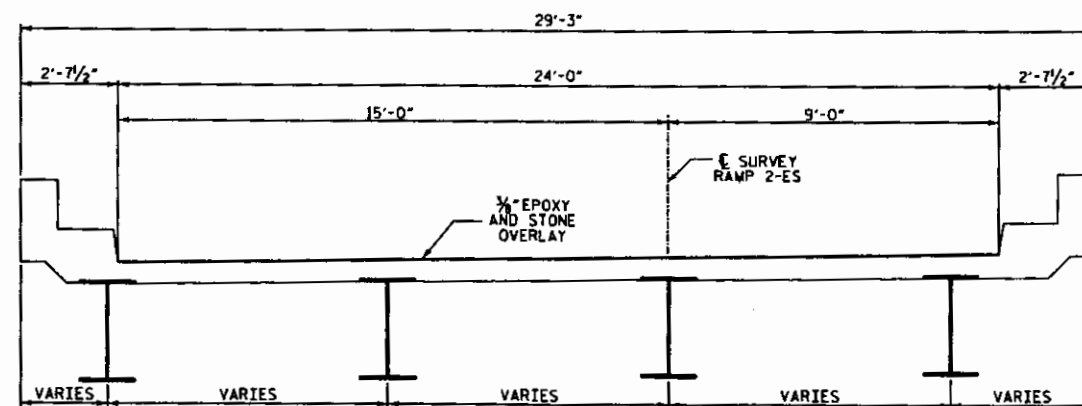
|                                                             |                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------|
| 2006 STANDARD SPECIFICATIONS                                |                                                                 |
| LETTING DATE:<br><b>MAY 18, 2010</b>                        | <b>DAN HOLDERMAN, PE</b><br>STATE BRIDGE<br>MANAGEMENT ENGINEER |
| <b>MIKE SUMMERS</b><br>BRIDGE MANAGEMENT<br>PROJECT MANAGER |                                                                 |

NORTH CAROLINA  
SEAL  
20208  
1/6/10  
ENGINEER J.R.  
**ERIC B. NELSON, JR.**

**RICK NELSON, PE**  
DESIGN ENGINEER



PLAN VIEW  
 \* MEASURED ALONG ARC  
 \*\* MEASURED RADIAL



TYPICAL SECTION

NOTES

FOR REPAIR OF BRIDGE WITH EPOXY AND STONE OVERLAY, SEE SPECIAL PROVISIONS.  
 SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS.  
 THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.

| TOTAL BILL OF MATERIAL |                       |
|------------------------|-----------------------|
| EPOXY/STONE OVERLAY    | CLASS II DECK REPAIRS |
| SQ.FT.                 | SQ.FT.                |
| 3,745                  | 40                    |

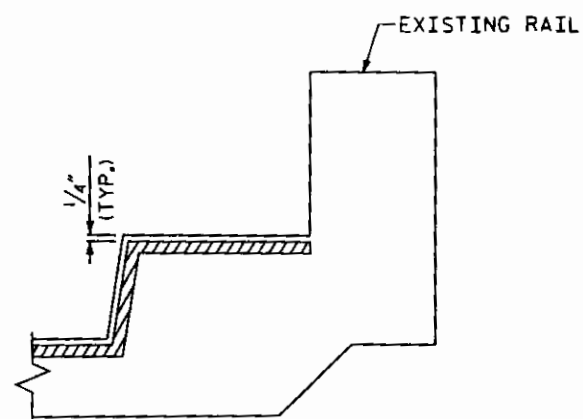
DRAWN BY : LMW DATE : 10/09  
 CHECKED BY : EBN DATE : 10/09

PROJECT NO. B-5179C  
 COUNTY: BUNCOMBE  
 DECK REHAB BRIDGE NO. 248

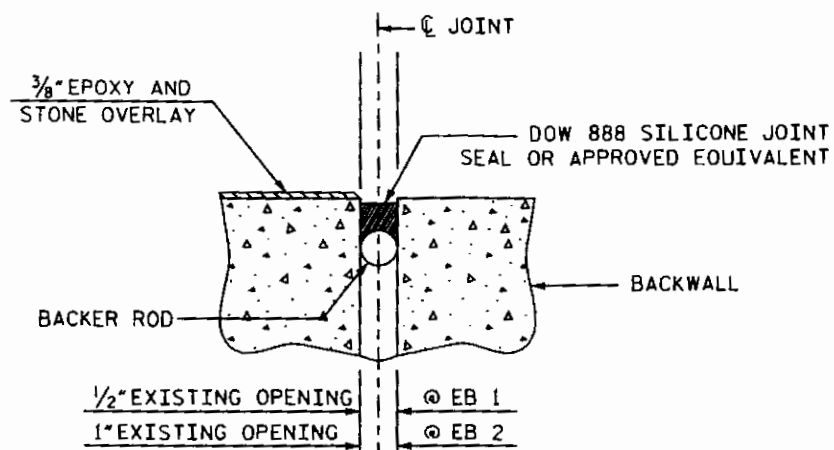
| STATE OF NORTH CAROLINA<br>DEPARTMENT OF TRANSPORTATION<br>RALEIGH |    |      |     |    |      |
|--------------------------------------------------------------------|----|------|-----|----|------|
| DECK REPAIR DETAILS<br>FOR BRIDGE #248                             |    |      |     |    |      |
| 24'-0" CLEAR ROADWAY                                               |    |      |     |    |      |
| REVISIONS                                                          |    |      |     |    |      |
| NO.                                                                | BY | DATE | NO. | BY | DATE |
| 1                                                                  |    |      | 2   |    |      |
| 2                                                                  |    |      | 4   |    |      |
|                                                                    |    |      |     |    | S-27 |
|                                                                    |    |      |     |    | 49   |

NOTE: NOT TO SCALE

\*\*\*\*\*SYTIME\*\*\*\*\* \*\*\*\*\*USERNAME\*\*\*\*\* \*\*\*\*\*DGN\*\*\*\*\*

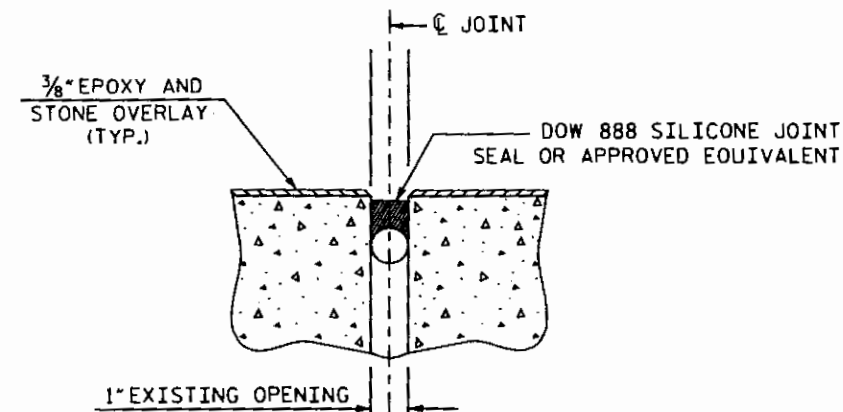


JOINT DETAIL  
AT RAIL



PROP. JOINT AT  
END BENTS

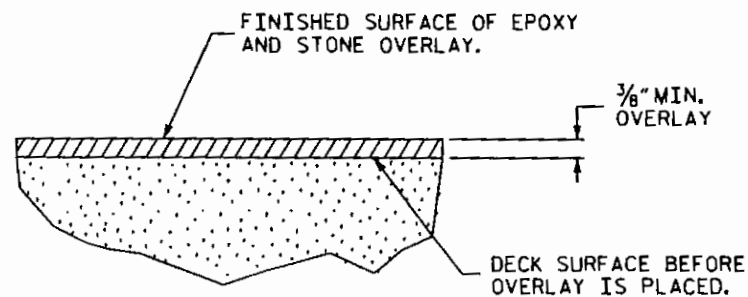
REMOVE EXISTING SEAL AND  
GRITBLAST TO REMOVE JOINT RESIDUE.  
INSTALL BACKER ROD AND NEW JOINT SEAL.



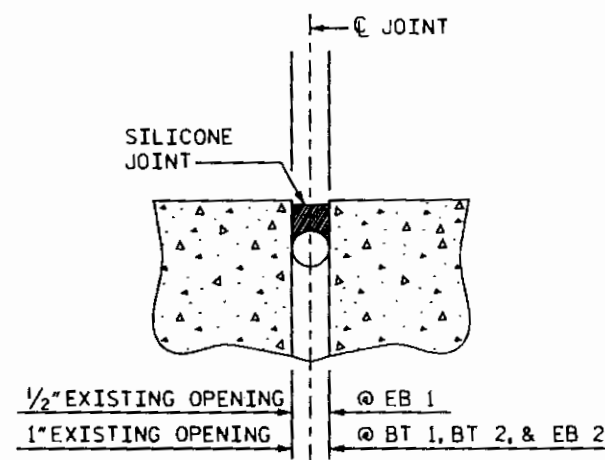
PROP. JOINT AT  
BENTS

REMOVE EXISTING SEAL AND  
GRITBLAST TO REMOVE JOINT RESIDUE.  
INSTALL BACKER ROD AND NEW JOINT SEAL.

### JOINT DETAILS



DETAIL FOR EPOXY  
AND STONE OVERLAY



EXISTING SILICONE JT.  
DETAIL @ EB'S & BENTS

PROJECT NO. B-5179C  
COUNTY: BUNCOMBE  
DECK REHAB BRIDGE NO. 248

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

DECK REPAIR DETAILS  
FOR BRIDGE #248

24'-0" CLEAR ROADWAY

| REVISIONS |    |      |     |    | SHEET NO. |
|-----------|----|------|-----|----|-----------|
| NO.       | BY | DATE | NO. | BY |           |
| 1         |    |      | 2   |    | S-28      |
| 2         |    |      | 4   |    |           |

49

DRAWN BY : LMW DATE : 10/09  
CHECKED BY : EBN DATE : 10/09

\*\*\*\*\*SYTIME\*\*\*\*\*

\*\*\*USERNAME\*\*\*

\*\*\*\*\*DGN\*\*\*\*\*