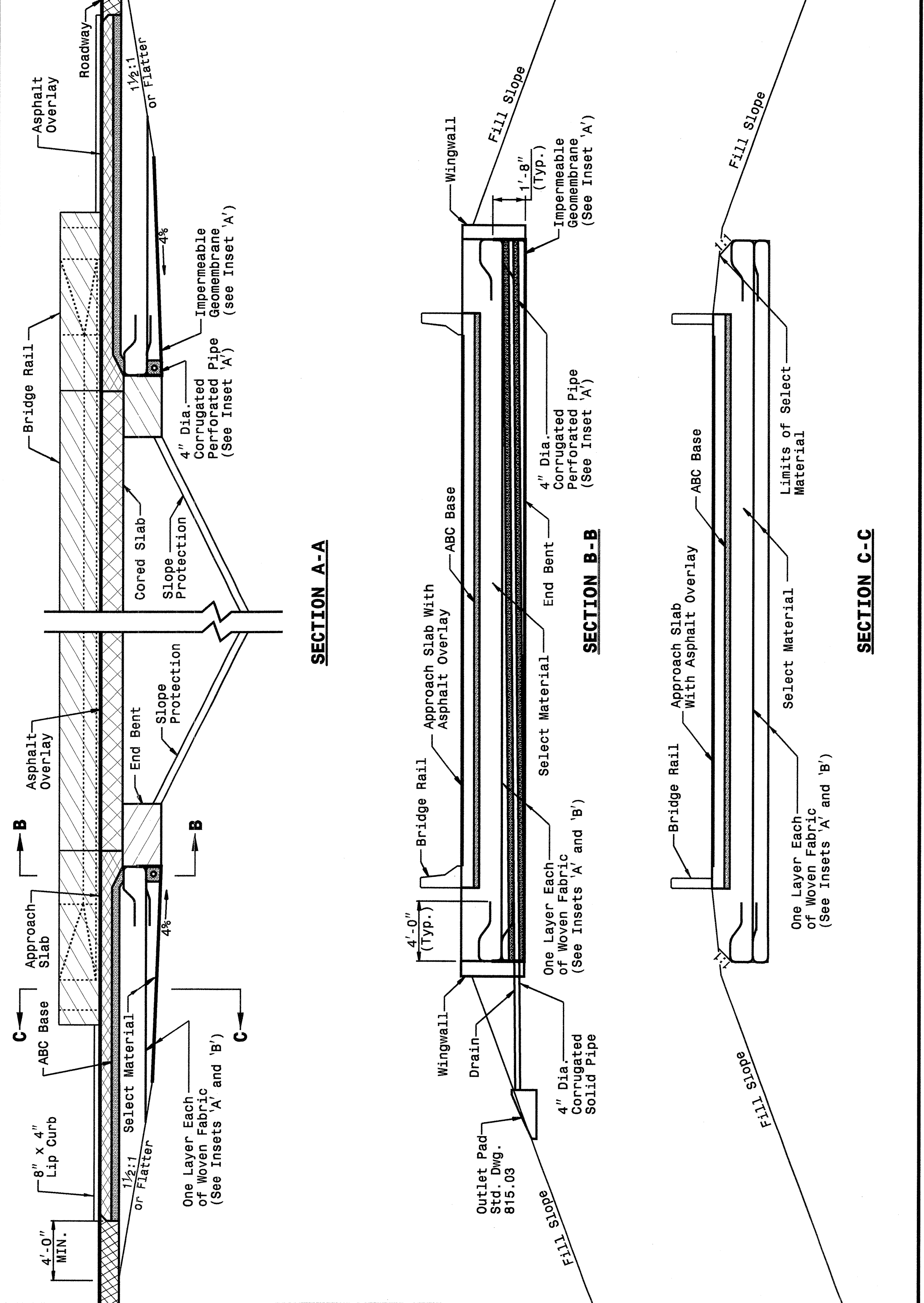


STATE OF NORTH CAROLINA  
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DIVISION OF HIGHWAYS  
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR  
**REINFORCED BRIDGE APPROACH FILLS**  
CORED SLAB BRIDGES

SHEET 3 OF 4  
**422D10**



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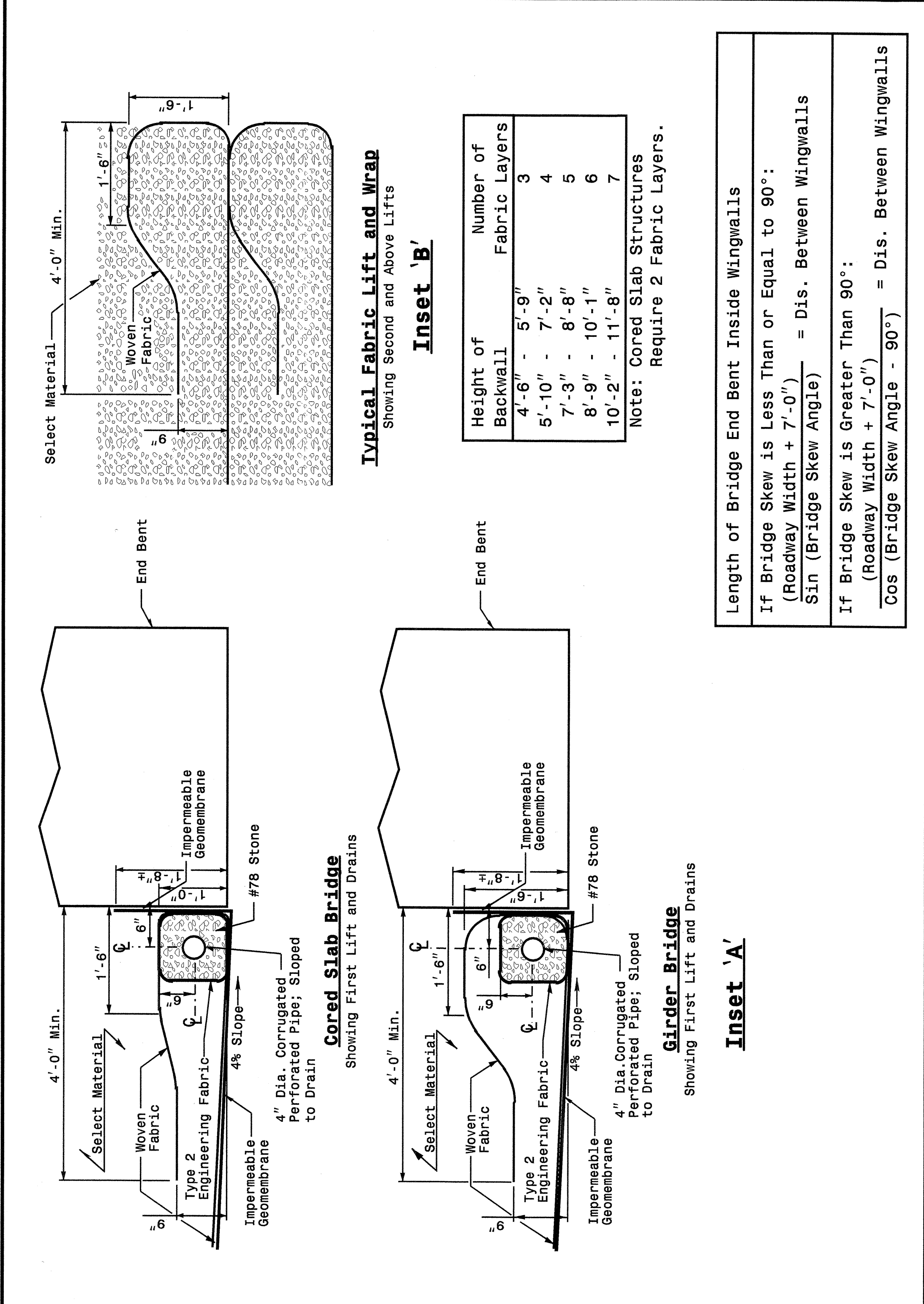
ENGLISH DETAIL DRAWING FOR  
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SHEET 3 OF 4  
**422D10**

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ENGLISH DETAIL DRAWING FOR  
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INSETS AND CHARTS

SHEET 4 OF 4  
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ENGLISH DETAIL DRAWING FOR  
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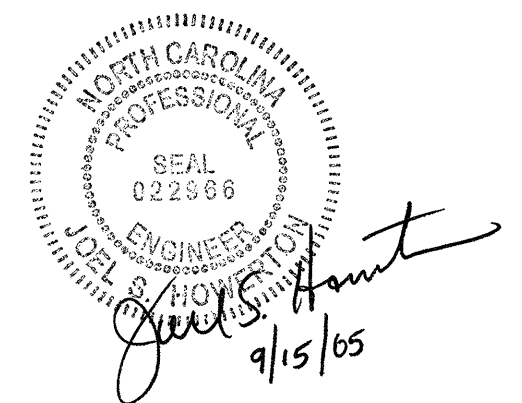
SHEET 4 OF 4  
**422D10**

Length of Bridge End Bent Inside Wingwalls  
If Bridge Skew is Less Than or Equal to 90°:  
 $\frac{\text{Roadway Width} + 7'-0''}{\sin(\text{Bridge Skew Angle})} = \text{Dis. Between Wingwalls}$   
If Bridge Skew is Greater Than 90°:  
 $\frac{\text{Roadway Width} + 7'-0''}{\cos(\text{Bridge Skew Angle} - 90^\circ)} = \text{Dis. Between Wingwalls}$

PROJECT SERVICES UNIT  
STANDARDS AND SPECIAL DESIGN  
Office 919-250-4128 FAX 919-250-4119

**SEE PLATE FOR TITLE**

ORIGINAL BY: 2002 STANDARDS DATE: 01-15-02  
MODIFIED BY: E.E. WARD DATE: 11-04-04  
CHECKED BY: J.S.H. DATE: 11-12-04  
FILE SPEC.: st05/02stdstodetails/english/422d10.dgn



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