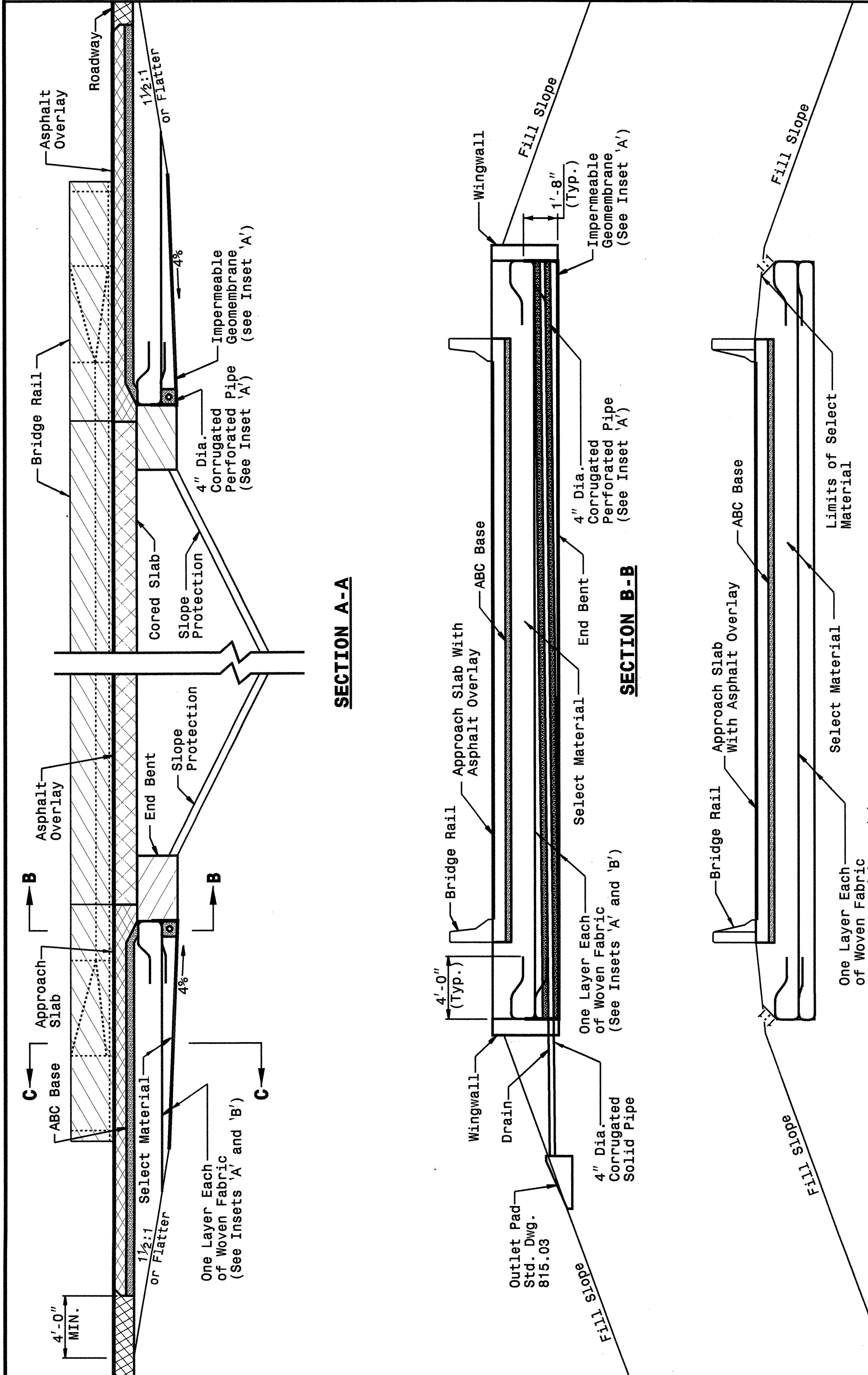


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STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

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

SHEET 3 OF 4  
**422D10**



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 RALEIGH, N.C.

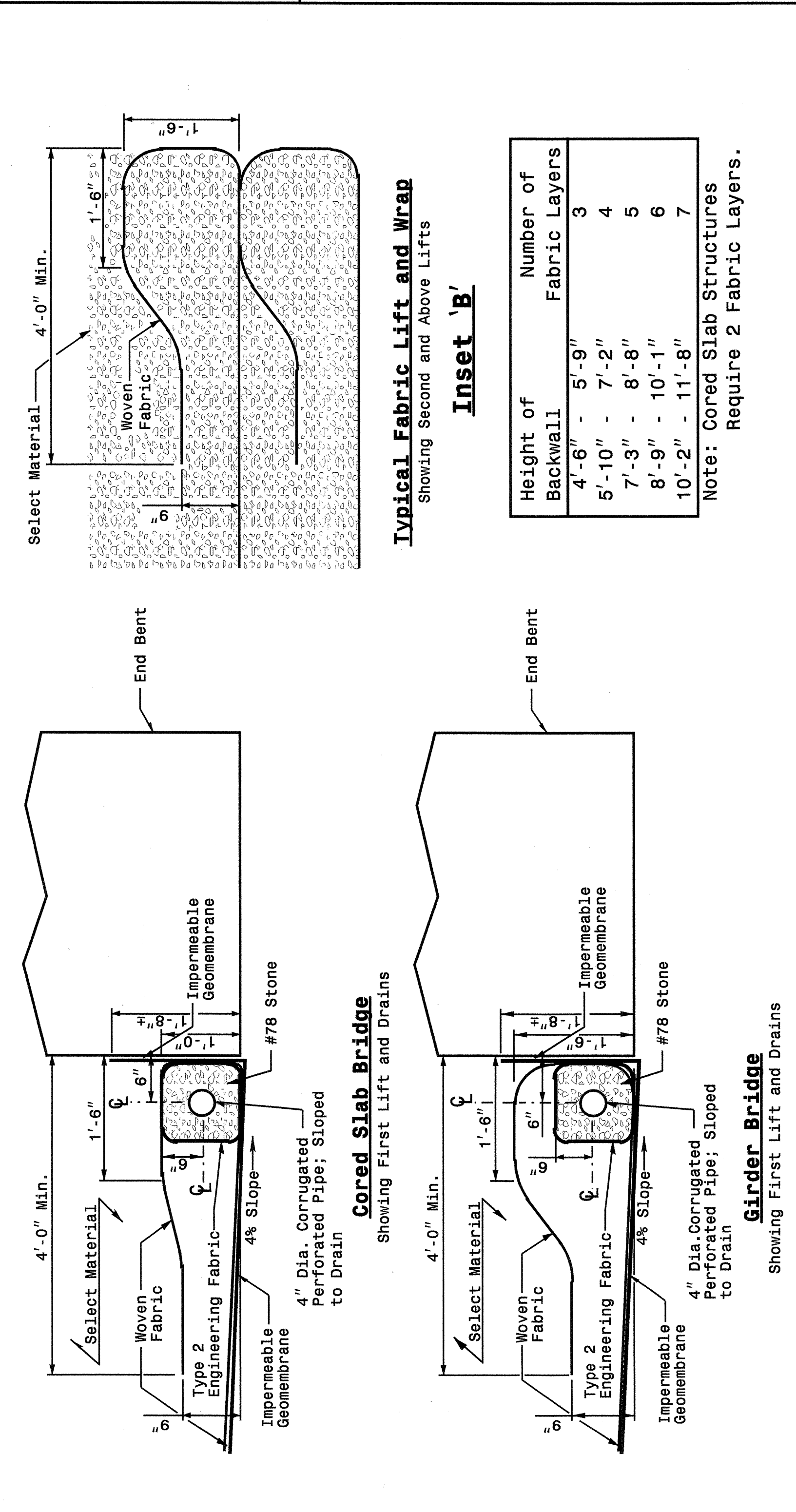
ENGLISH DETAIL DRAWING FOR  
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SHEET 3 OF 4  
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ENGLISH DETAIL DRAWING FOR  
**REINFORCED BRIDGE APPROACH FILLS**  
 INSETS AND CHARTS

SHEET 4 OF 4  
**422D10**



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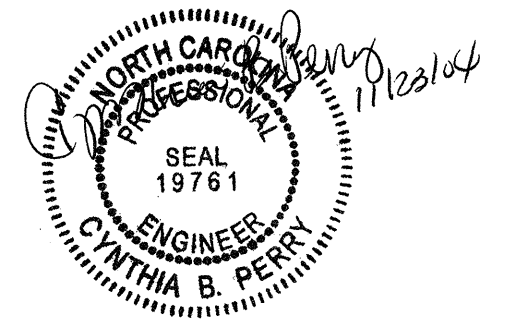
SHEET 4 OF 4  
**422D10**

**Typical Fabric Lift and Wrap**  
 Showing Second and Above Lifts  
**Inset 'B'**

| Height of Backwall | Number of Fabric Layers |
|--------------------|-------------------------|
| 4'-6" - 5'-9"      | 3                       |
| 5'-10" - 7'-2"     | 4                       |
| 7'-3" - 8'-8"      | 5                       |
| 8'-9" - 10'-1"     | 6                       |
| 10'-2" - 11'-8"    | 7                       |

Note: Cored Slab Structures Require 2 Fabric Layers.

Length of Bridge End Bent Inside Wingwalls  
 If Bridge Skew is Less Than or Equal to 90°:  
 Sin (Bridge Skew Angle) (Roadway Width + 7'-0") = Dis. Between Wingwalls  
 If Bridge Skew is Greater Than 90°:  
 Cos (Bridge Skew Angle - 90°) = Dis. Between Wingwalls



**DESIGN 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: 09-15-04  
 CHECKED BY: [Signature] DATE: 9/16/04  
 FILE SPEC.: st49/02st02stdetails/english/422d10.dgn