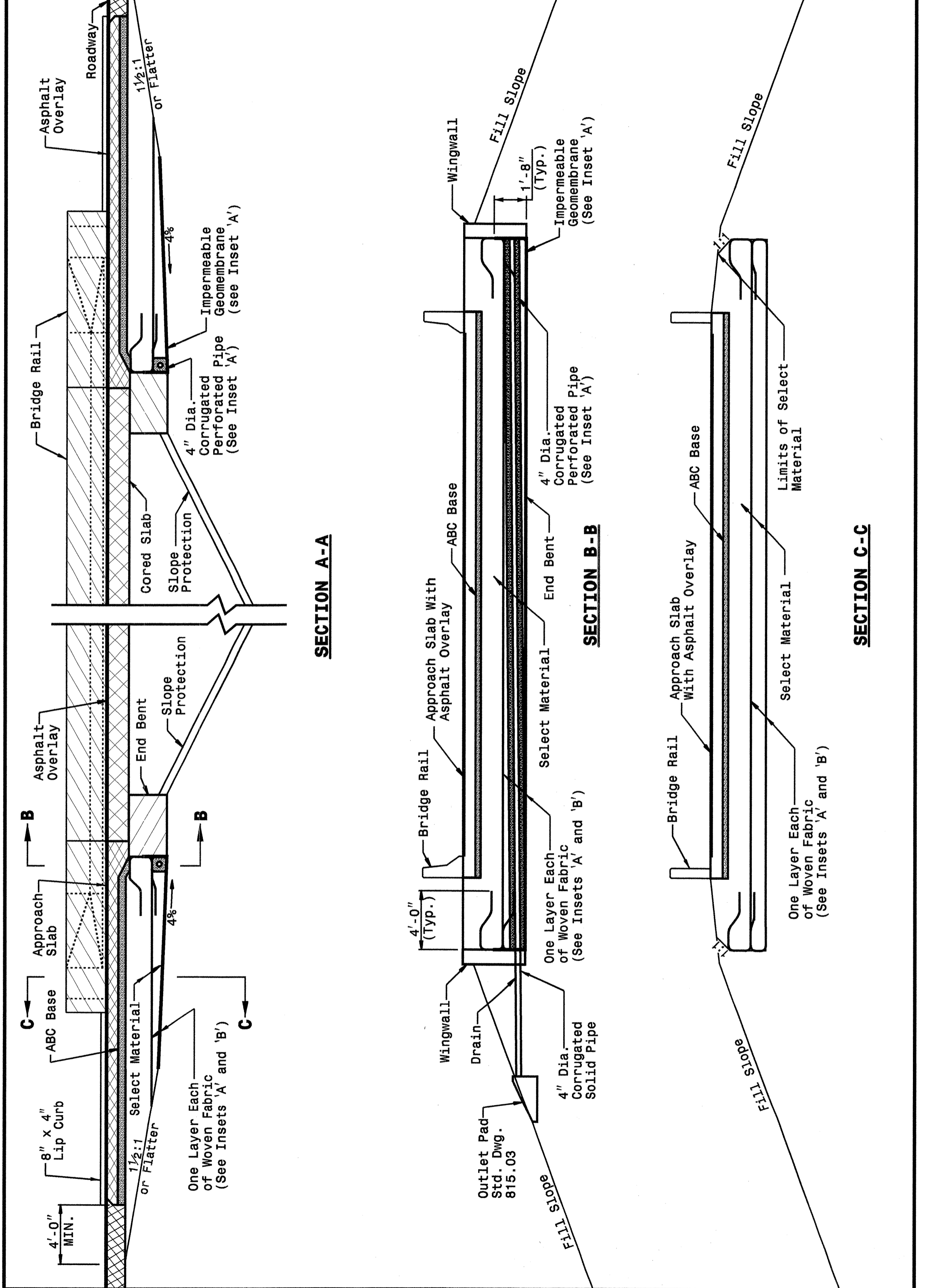


STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR REINFORCED BRIDGE APPROACH FILLS CORED SLAB BRIDGES

SHEET 3 OF 4 422D10



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

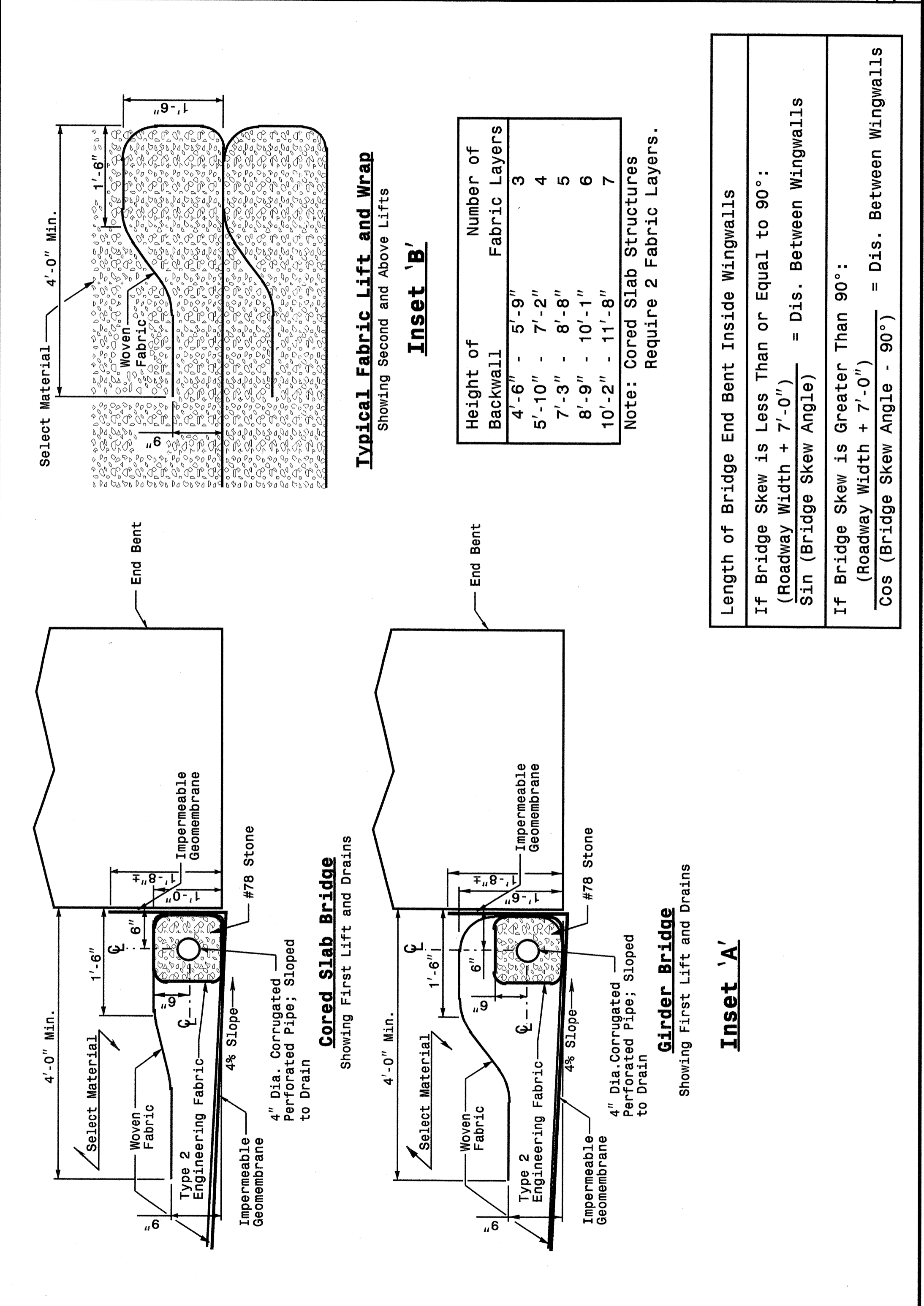
ENGLISH DETAIL DRAWING FOR REINFORCED BRIDGE APPROACH FILLS CORED SLAB BRIDGES

SHEET 3 OF 4 422D10

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

ENGLISH DETAIL DRAWING FOR REINFORCED BRIDGE APPROACH FILLS INSETS AND CHARTS

SHEET 4 OF 4 422D10



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

ENGLISH DETAIL DRAWING FOR REINFORCED BRIDGE APPROACH FILLS INSETS AND CHARTS

SHEET 4 OF 4 422D10

Typical Fabric Lift and Wrap
Showing Second and Above Lifts

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.

Inset 'A'

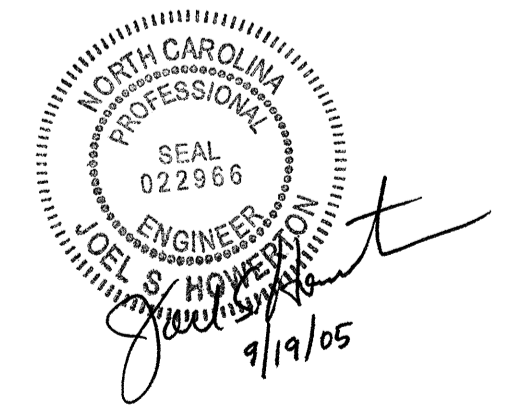
Length of Bridge End Bent Inside Wingwalls

If Bridge Skew is Less Than or Equal to 90°:

$$\frac{\text{Sin (Bridge Skew Angle)}}{\text{Cos (Roadway Width + 7'-0")}} = \text{Dis. Between Wingwalls}$$

If Bridge Skew is Greater Than 90°:

$$\frac{\text{Sin (Roadway Width + 7'-0")}}{\text{Cos (Bridge Skew Angle - 90°)}} = \text{Dis. Between Wingwalls}$$



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: A.E. WARD DATE: 11-04-04

NOV-2004 1429
 Special Design Standards
 AT 05212250