

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

Typical Fabric Lift and Wrap
Showing Second and Above Lifts

Inset 'B'
Note: Cored Slab Structures Require 2 Fabric Layers.

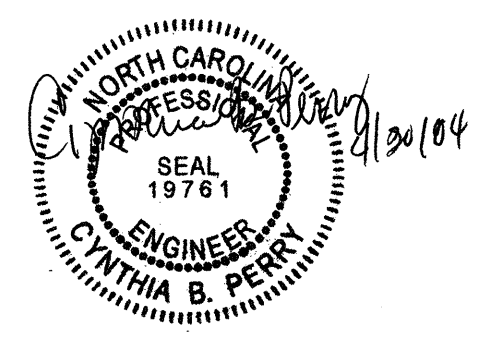
Length of Bridge End Bent Inside Wingwalls
If Bridge Skew is Less Than or Equal to 90°:
$$\frac{\text{Roadway Width} + 7'-0''}{\sin(\text{Bridge Skew Angle})} = \text{Dis. Between Wingwalls}$$

If Bridge Skew is Greater Than 90°:
$$\frac{\text{Roadway Width} + 7'-0''}{\cos(\text{Bridge Skew Angle} - 90^\circ)} = \text{Dis. Between Wingwalls}$$

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: 03-26-03
 CHECKED BY: [Signature] DATE: 4-12-04
 FILE SPEC.: stds/02stdstdetails/english/422d10.dgn



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