



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°:  
 (Roadway Width + 7'-0") Sin (Bridge Skew Angle) = Dis. Between Wingwalls  
 If Bridge Skew is Greater Than 90°:  
 (Roadway Width + 7'-0") Cos (Bridge Skew Angle - 90°) = Dis. Between Wingwalls

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 J. Howard AT 00212660

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. Hunt DATE: 11-12-04  
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