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 ericward AT FS22293

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

ENGLISH DETAIL DRAWING FOR  
**REINFORCED BRIDGE APPROACH FILLS**  
 INSETS AND CHARTS

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ENGLISH DETAIL DRAWING FOR  
**REINFORCED BRIDGE APPROACH FILLS**  
 INSETS AND CHARTS

**Cored Slab Bridge**  
Showing First Lift and Drains

**Girder Bridge**  
Showing First Lift and Drains

**Inset 'A'**

**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 'B'**

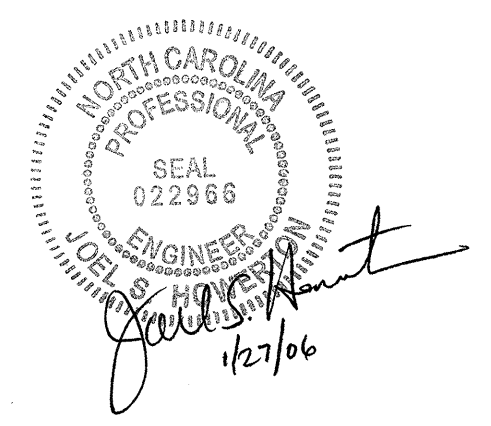
Length of Bridge End Bent Inside Wingwalls

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

SHEET 7 OF 7  
**422D10**

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**422D10**



**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: 09-12-05  
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