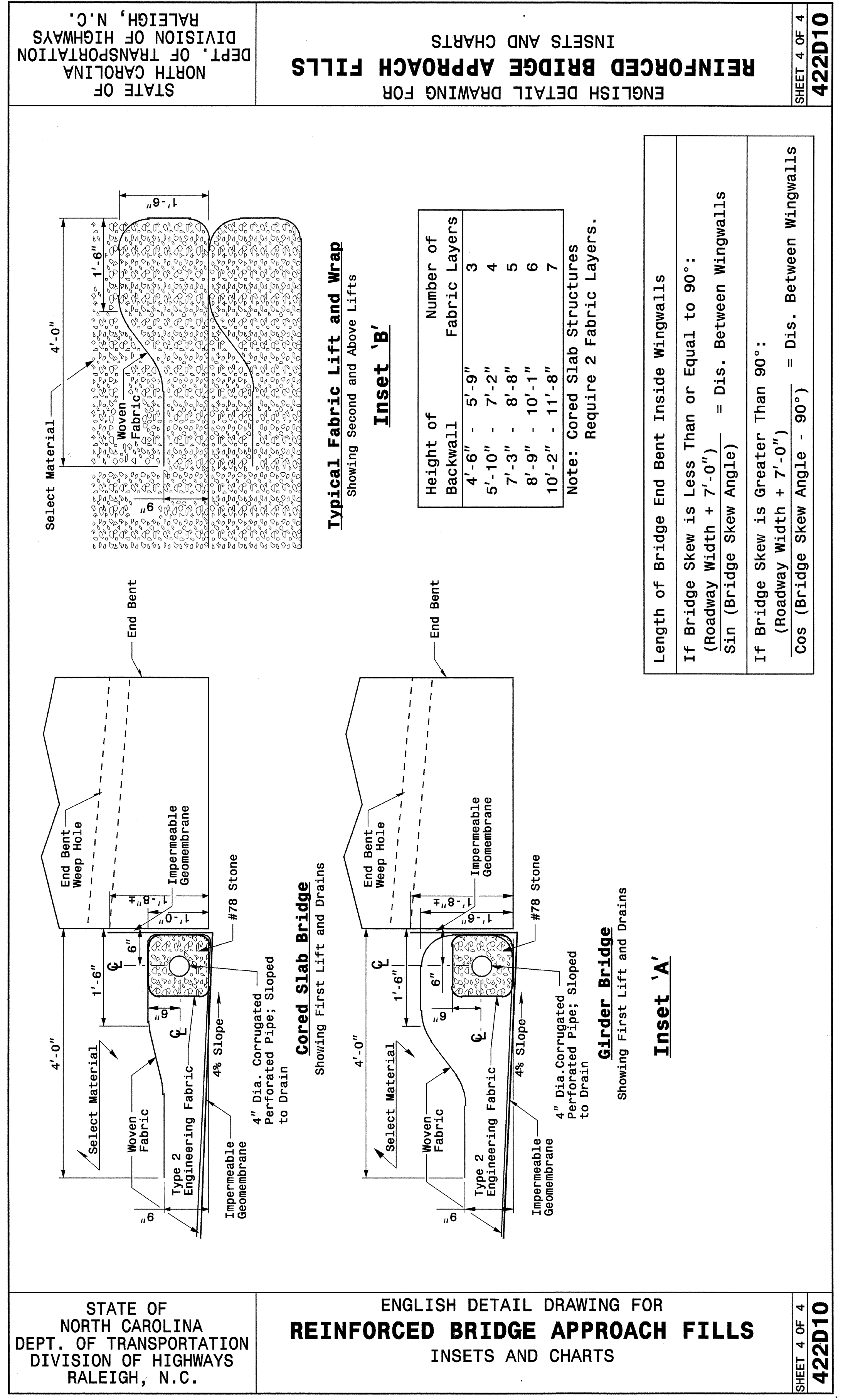


STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR REINFORCED BRIDGE APPROACH FILLS CORED SLAB BRIDGES



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

ENGLISH DETAIL DRAWING FOR REINFORCED BRIDGE APPROACH FILLS INSETS AND CHARTS

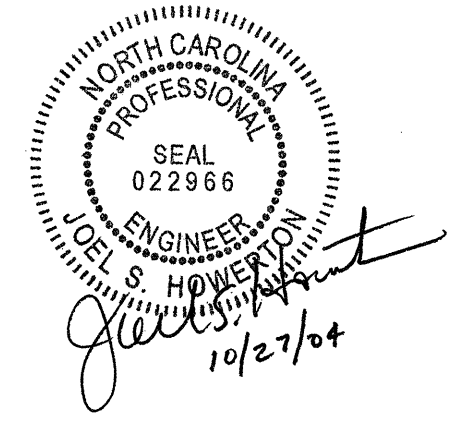
Length of Bridge End Bent Inside Wingwalls

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**

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