

IS:EP-2004.10.51  
 W:\Spec\04\Details\metric\stds\02\stds to Special Details\metric\42210\0422d10m.dgn  
 erward AT 05212260

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

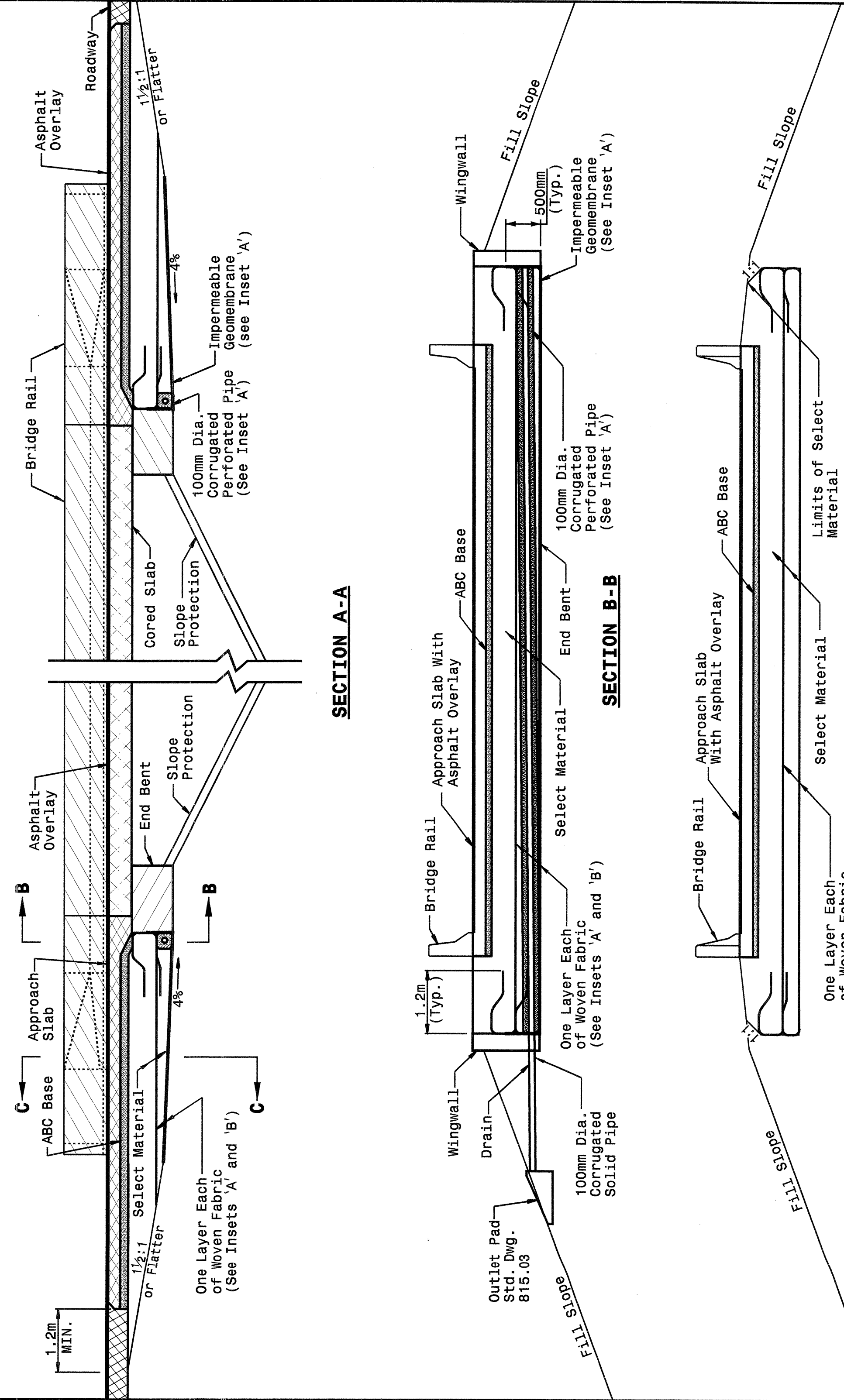
METRIC DETAIL DRAWING FOR  
**REINFORCED BRIDGE APPROACH FILLS**  
 CORED SLAB BRIDGES

SHEET 3 OF 4  
**422D10**

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

METRIC DETAIL DRAWING FOR  
**REINFORCED BRIDGE APPROACH FILLS**  
 CORED SLAB BRIDGES

SHEET 3 OF 4  
**422D10**



Note:  
 This drawing is dimensioned in  
 millimeters unless otherwise  
 depicted within the drawing.

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

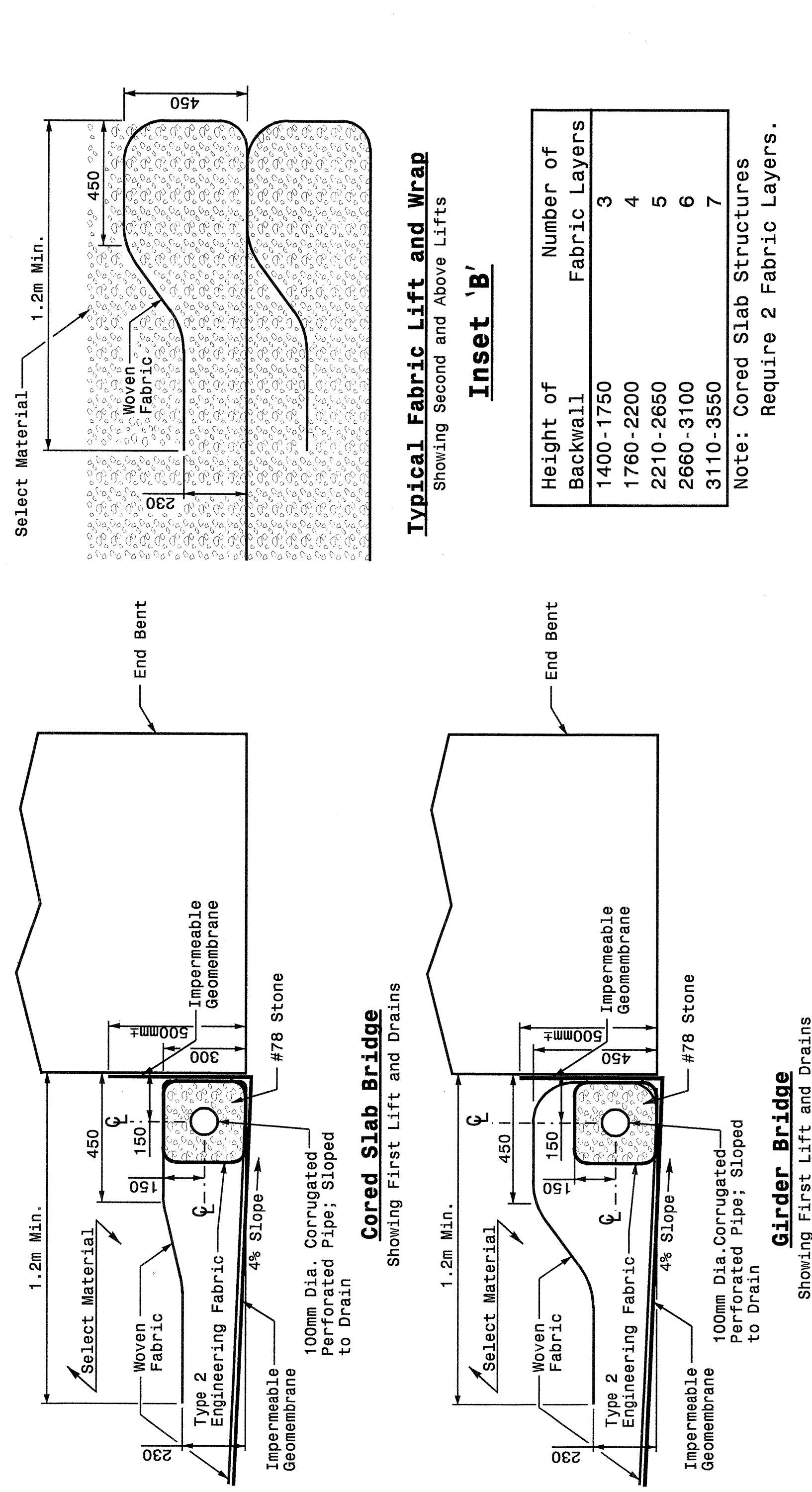
METRIC DETAIL DRAWING FOR  
**REINFORCED BRIDGE APPROACH FILLS**  
 INSETS AND CHARTS

SHEET 4 OF 4  
**422D10**

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

METRIC 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
1400-1750	3
1760-2200	4
2210-2650	5
2660-3100	6
3110-3550	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°:  
 $\frac{\text{Roadway Width} + 2140\text{mm}}{\sin(\text{Bridge Skew Angle})} = \text{Dis. Between Wingwalls}$   
 If Bridge Skew is Greater Than 90°:  
 $\frac{\text{Roadway Width} + 2140\text{mm}}{\cos(\text{Bridge Skew Angle} - 90^\circ)} = \text{Dis. Between Wingwalls}$

Note:  
 This drawing is dimensioned in  
 millimeters unless otherwise  
 depicted within the drawing.

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: 09-15-04  
 CHECKED BY: *Julie Hunt* DATE: 9/16/04  
 FILE SPEC.: stds/02stdstodetails/metric/422d10.dgn

