

## **BRIDGE DESIGN STANDARD PRACTICES**

The following standard practices were established by the Bridge Design Standard Practices Committee in a meeting held on December 12, 1995. They are distributed by Consulting Engineers General Memorandum 96-4.

1. **Membrane Waterproofing**

Woven glass fabric is the preferred material for both new construction and rehabilitation. "Membrane waterproofing (sheet)" should only be used for special circumstances such as locations where allowable traffic shutdowns are so brief that adequate time is not available to install Woven Glass Fabric, even with rapid cure primers. Sheet membranes are only to be used with the express approval of the Principal Engineer of Bridge Design or Bridge Liaison.

2. **Bridge Fence**

Chain link fabric should be used for fences on most bridges. Anodized aluminum fences should only be used on "Showcase" bridges with the approval of the Principal Engineer of Bridge Design or Bridge Liaison.

3. **Joint Sealants**

Class "A" joint seal will no longer be specified. Projects should specify "Dow Corning 902RCS or 888 or approved equal".

4. **Approach Slabs**

Approach slabs should be provided on all new structures and strongly considered on superstructure replacements. Approach slabs should extend the full width of the road including shoulders and should have a standard length of 5 meters. In most cases, approach slabs can follow the skew of the bridge. They should be constructed of Class "F" concrete. Details will be provided in the upcoming Bridge Manual.