3.5.1 DEAD LOADS

All structures whose deck slabs will be exposed to traffic shall be designed for a future wearing surface.

Box girder bridges (steel, conventional reinforced, post-tension) shall be designed for a future 1¼” concrete overlay to replace the original top 1” non-structural deck slab concrete. Use 3 psf for the value of the future wearing surface.

All other structures shall be designed for a future wearing surface of 28 psf.

Revisions:
July 2010  Added note for no future wearing surface for asphalt pavement placed during original construction.

Oct 2017  Deleted the requirement that no additional asphalt wearing surface is needed when an asphalt wearing surface is placed during original construction. Using a spray-applied waterproofing membrane, only a partial removal of the existing asphalt is done to protect the membrane. Therefore, an additional 28 psf of future wearing surface should be included in the design.