

Table 9.2-1 Deck Protection

	STATE OWNED		LOCALLY OWNED		
	METRO*	RURAL	METRO*	RURAL	
REINFORCING	Epoxy Steel, Top and Bottom Mats	Epoxy Steel, Top and Bottom Mats	Epoxy Steel, Top and Bottom Mats	Epoxy Steel, Top and Bottom Mats	
DECK THICKNESS	8½" Single Course	8½" Single Course	8½" Single Course	8½" Single Course	
CONCRETE COVER	3" Top, 1½" Bottom	3" Top, 1½" Bottom	3" Top, 1½" Bottom	3" Top, 1½" Bottom	
CONCRETE PERMEABILITY	Moderate Permeability Concrete	Standard Permeability Concrete	Moderate Permeability Concrete	Standard Permeability Concrete	
CONCRETE BID ITEM	Concrete (Grade 4.0) (AE) (SA) (MPC)	Concrete Grade (4.0) (AE) ()		Concrete Grade (4.0) (AE) ()	
		< 3000 ADT	≥ 3000 ADT	< 3000 ADT	≥ 3000 ADT
		SW	SA	SW	SA
SURFACE TREATMENT	Bridge Deck Grooving ¥	Bridge Deck Grooving	χ	χ	
OVERLAY	Multi-Layer Polymer Concrete Overlay ¥	None	χ	χ	

* "Metro" is defined as being located within the Kansas City, Wichita or Topeka Metropolitan Planning Organization Boundaries

¥ To be determined at Field Check stage in consultation with the Area Engineer. If Multi-Layer Polymer Concrete Overlay is specified, then Bridge Deck Grooving is not required.

χ At the discretion of the bridge owner

(SW) = Structural Concrete with select course aggregate for Wear.

(AE) = Air Entrained

(SA) = Structural Concrete with select course aggregate for Wear and Absorption.

(MPC) = Moderate Permeability Concrete

Use special aggregate for all concrete placed with the superstructure concrete and/or concrete above the bridge seats.