

Table 8: Bridge inspection summary.

Location	Installed	Inspection Date	Chlorides (lb/yd ³)	Zinc Coating Thickness	
				mils	mm
Boca Chica Bridge, FL*	1972	1975	1.95	5.1	130
		1991	2.02	4.0	102
		1999	3.21	6.7	170
Tioga Bridge, PA*	1974	1981	0.58	5.9	150
		1991	1.06	8.8	224
		2001	2.23	7.8	198
Curtis Road Bridge, MI	1976	2002	6.88	6.1	155
Spring Street Bridge, VT	1971	2002	4.17	7.5	191
Evanston Interchange, WY	1975	2002	2.55	9.3	236

* Multiple inspections were made on these bridges. Since concrete cores are drilled out of the bridge it is impossible to perform this inspection in the same spot. When performing subsequent inspections, the cores must be drilled in different areas which doesn't allow for corrosion monitoring in one particular area. Hot-dip galvanized coating thicknesses vary slightly over the length of the bars. This explains how a greater coating thickness can be read when measuring the same bridge at a later date.