

Table 10.2 Drainage Structures Maintenance Costs (Based on 2006 Prices)

NAME	Year 0			Year 10		Year 20			Year 30	
	Required Action	Structure/ Coating	Cleaning/R ehab	Required Action	Cleaning	Required Action	Cleaning	Sealing /Replacing	Required Action	Cleaning
EM-025B	Sealing Timber, Replace Deficient	\$20,000	\$25,000	Nothing		Sealing Timber		\$15,000	Nothing	
EM-319P	Nothing			Cleaning	\$2,664	Cleaning	\$2,664		Cleaning	\$2,664
EM-230D	Nothing			Cleaning	\$600	Cleaning	\$600		Cleaning	\$600
EM-500P	Cleaning		\$1,113	Cleaning	\$1,113	Cleaning	\$1,113		Cleaning	\$1,113
EM-511B	Nothing					Nothing			Nothing	
EM-512P	Cleaning		\$959	Cleaning	\$959	Cleaning	\$959		Cleaning	\$959
EM-513P	Nothing			Cleaning	\$504	Cleaning	\$504		Cleaning	\$504
EM-004W	Replace	\$78,500				Cleaning			Cleaning	
EM-005D	Rehab		\$2,500	Cleaning	\$432	Cleaning	\$432		Cleaning	\$432
EM-097P	Nothing			Cleaning		Cleaning			Cleaning	
EM-001P	Nothing			Cleaning		Cleaning			Cleaning	
EM-120P	Nothing			Cleaning		Cleaning			Cleaning	
EM-250P	Cleaning		\$864	Cleaning	\$864	Cleaning	\$864		Cleaning	\$864
EM-240P	Cleaning; Coating	\$1,028	\$1,333	Cleaning	\$1,333	Cleaning; Coating	\$1,333	\$1,028	Cleaning	\$1,333
EM-235P	Replace, Coating, MES	\$7,379		Cleaning	\$775	Cleaning; Coating	\$775	\$779	Cleaning	\$775
EM-255P	Nothing			Cleaning	\$750	Cleaning	\$750		Cleaning	\$750
EM-220P	Nothing			Cleaning	\$1,776	Cleaning	\$1,776		Cleaning	\$1,776
EM-210P	Cleaning		\$850	Cleaning	\$850	Cleaning	\$850		Cleaning	\$850
EM-215P	Cleaning; Coating	\$251	\$140	Cleaning	\$140	Cleaning; Coating	\$140	\$251	Cleaning	\$140
EM-200P	Cleaning; Coating	\$1,659	\$1,815	Cleaning	\$1,815	Cleaning; Coating	\$1,815	\$1,659	Cleaning	\$1,815
EM-190P	Cement Lining; Cleaning	\$31,273	\$2,310	Cleaning	\$2,310	Cleaning; Coating	\$2,310	\$31,273	Cleaning	\$2,310
EM-180P	Nothing			Cleaning	\$2,760	Cleaning	\$2,760		Cleaning	\$2,760
EM-270P	Cleaning		\$2,232	Cleaning	\$2,232	Cleaning	\$2,232		Cleaning	\$2,232
EM-280P	Cleaning; Repair Cracks		\$7,854	Cleaning	\$3,354	Cleaning	\$3,354		Cleaning	\$3,354
EM-295P	Nothing			Cleaning	\$529	Cleaning	\$529		Cleaning	\$529
EM-300P	Nothing			Cleaning	\$217	Cleaning	\$217		Cleaning	\$217
EM-165P	Replacement	\$12,320	\$9,400	Cleaning	\$2,070	Cleaning	\$2,070		Cleaning	\$2,070
EM-150P	Cleaning; Coating	\$1,818	\$1,426	Cleaning	\$1,426	Cleaning; Coating	\$1,426	\$1,818	Cleaning	\$1,426
EM-160P	Replacement	\$6,670	\$725	Cleaning	\$725	Cleaning	\$725		Cleaning	\$725
EM-035P	Cleaning; Coating	\$1,910	\$2,090	Cleaning	\$2,090	Cleaning; Coating	\$2,090	\$1,910	Cleaning	\$2,090
EM-125P	Cleaning		\$625	Cleaning	\$625	Cleaning	\$625		Cleaning	\$625
EM-100P	Cleaning		\$650	Cleaning	\$650	Cleaning	\$650		Cleaning	\$650

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EM-135P	Replacement	\$16,556		Cleaning	\$966	Cleaning; Coating	\$966	\$9,356	Cleaning	\$966
EM-110P	Cleaning; Coating; Seal Cracks	\$3,338	\$1,150	Cleaning	\$1,150	Cleaning; Coating	\$1,150	\$3,338	Cleaning	\$1,150
EM-015P	Nothing			Cleaning	\$2,100	Cleaning	\$2,100		Cleaning	\$2,100
EM-090P	Cleaning; Coating	\$1,039	\$1,426	Cleaning	\$1,426	Replace; Coating	\$1,426	\$19,611	Cleaning	\$1,426
EM-095P	Cleaning; Coating	\$945	\$1,380	Cleaning	\$1,380	Replace; Coating	\$1,380	\$19,199	Cleaning	\$1,380
EM-055P	Nothing			Cleaning	\$3,996	Cleaning	\$3,996		Cleaning	\$3,996
EM-065P	Cleaning		\$420	Cleaning	\$420	Cleaning	\$420		Cleaning	\$420
EM-075P	Nothing			Cleaning	\$1,369	Cleaning	\$1,369		Cleaning	\$1,369
EM-085P	Cleaning; New Headwall	\$7,000	\$814	Cleaning	\$814	Cleaning	\$814		Cleaning	\$814
EM-350P	Cleaning; Coating	\$1,106	\$1,518	Cleaning	\$1,518	Cleaning; Coating	\$1,518	\$1,106	Cleaning	\$1,518
EM-335P	Cleaning		\$2,442	Cleaning	\$2,442	Cleaning	\$2,442		Cleaning	\$2,442
EM-395P	Cleaning; Coating	\$1,139	\$1,258	Cleaning	\$1,258	Replace; Coating	\$1,258	\$24,339	Cleaning	\$1,258
EM-392P	Cleaning; Cement lining	\$9,120	\$777	Cleaning	\$777	Cleaning	\$777		Cleaning	\$777
EM-410P	Cleaning; MES replacement; Joint repair	\$9,700	\$1,800	Cleaning	\$1,800	Cleaning	\$1,800		Cleaning	\$1,800
EM-325P	Cleaning		\$1,575	Cleaning	\$1,575	Cleaning	\$1,575		Cleaning	\$1,575
EM-265P	Cleaning; Crack Repair	\$2,500	\$744	Cleaning	\$744	Cleaning	\$744		Cleaning	\$744
EM-045P	Nothing			Cleaning	\$2,442	Cleaning	\$2,442		Cleaning	\$2,442
EM-375P	Cleaning; Coating	\$528	\$525	Cleaning	\$525	Replace; Coating	\$525	\$9,858	Cleaning	\$525
EM-385P	Cleaning; Cement lining	\$7,816	\$525	Cleaning	\$525	Cleaning	\$525		Cleaning	\$525
EM-315P	Cleaning		\$2,442	Cleaning	\$2,442	Cleaning	\$2,442		Cleaning	\$2,442
EM-360P	Replace; Coating	\$628		Cleaning	\$625	Cleaning; Coating	\$625	\$628	Cleaning	\$625