

8. COST ESTIMATES

Appendix E presents a discussion of the basis for project element and contingency costs and includes an analysis of the fully funded estimate (FFE) and the current work estimate (CWE). Table 8.1 compares these costs.

Table 8.1. Lake Belle View Section 206 Recommended Plan fully funded estimate vs. current work estimate, Construction, Real Estate, E&D, and S&A

Lake Belle View Alternative 2C		Quantity	Units	Unit Cost	FFE 2005	CWE 2003
1 Real Estate						
Lands					\$403,000	\$ 403,000
Acquisitions- Fees					\$34,000	\$ 34,000
	SUBTOTAL				\$437,000	\$ 437,000
6 Wildlife Facilities						
Diversion Berm						
Embankment		32,600	CY	\$21.91	\$ 714,131	\$ 672,442
Clear/Grub Embankment Area		1	LS	\$2,670.00	\$ 2,670	\$ 2,514
Seeding		5.5	AC	\$6,285.71	\$ 34,572	\$ 32,554
Overflow Structure		3,333	TN	\$39.37	\$ 131,220	\$ 123,560
Riffle Structures		10,278	TN	\$39.59	\$ 406,906	\$ 383,152
Riprap Critical Sections		15,055	TN	\$51.33	\$ 772,803	\$ 727,689
Gated Inlet Structure		1	LS	\$86,228.00	\$ 86,228	\$ 81,194
Carp Gate		1	EA	\$8,623.00	\$ 8,623	\$ 8,120
Wetland Seeding		22	AC	\$3,730.09	\$ 82,062	\$ 77,271
Bross Circle Bridge Reconstruction		1	EA	\$603,595.00	\$ 603,595	\$ 568,359
	SUBTOTAL				\$2,842,810	\$ 2,676,854
12 Dredging						
Mob/Demob		1	EA	\$60,718.00	\$ 60,718	\$ 57,173
15 Acres Dredging		138,625	CY	\$8.62	\$1,195,334	\$ 1,125,553
Channel Dredging		33,212	CY	\$8.62	\$ 286,380	\$ 269,662
Containment Facility		1	LS	\$472,893.00	\$ 472,893	\$ 445,287
	SUBTOTAL				\$2,015,325	\$ 1,897,675
30 E&D					\$ 920,000	\$ 920,000
31 S&A	(9%)				\$ 437,232	\$ 411,708
	TOTAL				\$6,652,367	\$ 6,343,237

The FFE was calculated based on the proposed construction schedule, expected escalation costs, and a contingency factor, and represents the money expected to be spent at the beginning of the project. The CWE, with a 20% contingency factor, was used for annualized costs in the incremental analysis. Table 6.3 contains construction cost estimates for all plans for comparison purposes.