

Dredging & Sediment Cost Review - Appendix 5

Source:

Moffatt & Nichol 2007. Deschutes Estuary Feasibility Study, Phase 3, Engineering Design and Cost Estimates, Final Report. Section 6, Table 5, page 32

Table 5
ALTERNATIVE A - PROGRAM COSTS

PROJECT TOTALS IN 2006 DOLLARS DESCRIPTION	PRICE VARIATION		
	LOW (10%)	MEAN	HIGH (90%)
CONSTRUCTION			
CHANNEL PRE-DREDGING	\$8,660,000	\$13,910,000	\$19,810,000
4TH / 5TH AVENUE CORRIDOR	\$19,750,000	\$21,880,000	\$24,040,000
RAILROAD BRIDGE - SCOUR PROTECTION	\$130,000	\$170,000	\$220,000
DESCHUTES PARKWAY	\$11,860,000	\$14,410,000	\$17,130,000
I-5 BRIDGE - SCOUR PROTECTION	\$380,000	\$490,000	\$610,000
PARKS	\$1,930,000	\$2,480,000	\$3,120,000
ESTIMATE OF CONTRACTOR'S BID	\$46,300,000	\$53,300,000	\$61,000,000
CONSTRUCTION CONTINGENCY 5%	\$2,315,000	\$2,665,000	\$3,050,000
SALES TAX 9%	\$4,167,000	\$4,797,000	\$5,490,000
CONSTRUCTION ENGINEERING 10%	\$4,630,000	\$5,330,000	\$6,100,000
RIGHT OF WAY ACQUISITION	\$200,000	\$400,000	\$600,000
PUBLIC PROCESS, PERMITTING, ENGINEERING 15%	\$6,945,000	\$7,995,000	\$9,150,000
STATE OVERSIGHT 3%	\$1,389,000	\$1,599,000	\$1,830,000
PROJECT TOTAL (2006 DOLLARS)	\$65,900,000	\$76,100,000	\$87,200,000

PROJECT TOTALS INCLUDING INFLATION			
INFLATION AT 2% (BASED ON IMPLICIT PRICE DEFLATOR)			
PROJECT CONSTRUCTION 2012 TO 2014	\$75,000,000	\$86,500,000	\$99,200,000
PROJECT CONSTRUCTION 2016 TO 2018	\$81,200,000	\$93,700,000	\$107,400,000
PROJECT CONSTRUCTION 2020 TO 2022	\$87,900,000	\$101,400,000	\$116,200,000
INFLATION AT 3.5% (BASED ON ENR CONSTRUCTION COST INDEX, 1990-2005)			
PROJECT CONSTRUCTION 2012 TO 2014	\$82,500,000	\$95,200,000	\$109,100,000
PROJECT CONSTRUCTION 2016 TO 2018	\$94,700,000	\$109,200,000	\$125,200,000
PROJECT CONSTRUCTION 2020 TO 2022	\$108,600,000	\$125,300,000	\$143,600,000
INFLATION AT 6% (BASED ON WSDOT CONSTRUCTION COST INDEX, 2001-2006)			
PROJECT CONSTRUCTION 2012 TO 2014	\$96,500,000	\$111,300,000	\$127,500,000
PROJECT CONSTRUCTION 2016 TO 2018	\$121,800,000	\$140,500,000	\$161,000,000
PROJECT CONSTRUCTION 2020 TO 2022	\$153,800,000	\$177,400,000	\$203,300,000