

Table 4: Benefits of Widening Key West Harbor Channel (also Table A-9 in Appendix A)

Potential Benefits of Widening Key West Channel			
\$2010 USD 4.375% Discount Rate			
Estimation Assumptions	Low	Medium	High
SHIPS & CALLS			
New Ships Calling @ Key West	2	3	4
Calls Per Year	24	48	52
PASSENGER IMPACT			
Passengers per Ship	4,000	4,500	5,400
% Disembarking	70%	85%	98%
Total New Passenger-Visitors	134,400	550,800	1,100,736
Spending per Visitor	\$40	\$50	\$55
Economic Impact per Year	\$5,376,000	\$27,540,000	\$60,540,480
CREW & STAFF IMPACT			
Crew & Staff per Ship	1250	1500	2165
% Disembarking	30%	35%	40%
Total New Crew-Visitors	18000	75600	180128
Spending per Crew Member	\$40	\$50	\$62
Economic Impact per Year	\$720,000	\$3,780,000	\$11,167,936
SHIP IMPACT			
Total New Ship Calls	48	144	208
Spending per Call	\$12,000	\$22,500	\$54,000
Key West Net Tax Proceeds	\$264,835	\$1,085,351	\$2,169,000
Economic Impact per Year	\$576,000	\$3,240,000	\$11,232,000
BENEFITS & COSTS			
Total Economic Impact / Year	\$6,672,000	\$34,560,000	\$82,940,416
Losses to Puerto Rico (10%)	(\$667,200)	(\$3,456,000)	(\$8,294,042)
Losses to USVI (20%)	(\$1,334,400)	(\$6,912,000)	(\$16,588,083)
Total Average Annual Benefit	\$4,670,400	\$24,192,000	\$58,058,291
Present Value, Total Benefit	\$94,204,662	\$487,966,595	\$1,171,069,223
Total Cost	\$40,000,000	\$40,000,000	\$40,000,000
Total Average Annual Cost	\$1,983,087	\$1,983,087	\$1,983,087
NET BENEFITS	\$54,200,000	\$447,970,000	\$1,131,070,000
BENEFIT TO COST RATIO	2.36	12.20	29.28
JOBS CREATED			
Full-Time Equivalent Jobs	147	760	1,824