

Download File PDF Estimating Capital And Operating Costs In Urban Transportation Planning

#Jenny



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#Markus Jensen



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#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Table 6 Calculate Total Present Cost for the Base Case and Alternative(s)

Year	PRESENT VALUE OF COSTS (\$)				Present Value of Net Annual Costs (\$)
	Base Case	Alternative	Base Case	Alternative	
2008	-	\$64,115,754	\$0	\$0	\$64,115,754
2009	-	\$92,933,599	\$0	\$0	\$92,933,599
2010	-	\$87,889,964	\$0	\$0	\$87,889,964
2011	1	\$0	\$91,881	\$19,261	\$173,662
2012	2	\$0	\$178,830	\$210,868	\$187,789
2013	3	\$0	\$184,120	\$203,716	\$182,654
2014	4	\$0	\$183,840	\$199,827	\$180,833
2015	5	\$0	\$181,927	\$190,171	\$181,338
2016	6	\$0	\$178,989	\$183,742	\$184,818
2017	7	\$0	\$172,094	\$177,827	\$182,937
2018	8	\$0	\$168,041	\$171,920	\$178,108
2019	9	\$0	\$167,034	\$165,723	\$171,001
2020	10	\$7,487,977	\$0	\$167,189	\$173,138
2021	11	\$7,243,648	\$0	\$167,070	\$174,764
2022	12	\$0	\$166,870	\$164,870	\$173,569
2023	13	\$0	\$165,342	\$164,410	\$174,820
2024	14	\$0	\$162,874	\$159,594	\$171,542
2025	15	\$0	\$162,191	\$154,810	\$167,288
2026	16	\$0	\$160,301	\$150,285	\$163,964
2027	17	\$0	\$158,024	\$145,852	\$160,182
2028	18	\$0	\$154,381	\$141,596	\$156,783
2029	19	\$0	\$150,380	\$137,484	\$154,883
2030	20	\$0	\$146,042	\$133,501	\$152,961
		\$14,742,825	\$272,858,918	\$5,968,286	\$3,210,261
				\$8,673,019	\$91,844,962
					\$178,188,483

- (a) Assumes construction in 2020-2021 for Base Case and 2008-2010 for Alt. Initial capital costs were brought back to 2004 to determine present value.
- (b) Annual costs consist of roadway and bridge maintenance. For the Base Case, major maintenance costs are added to routine maintenance costs in scheduled years (Minnesota only).
- (c) Assumes base year for remaining capital value as 2030. Remaining value in constant dollars was brought back from 2030 to 2004 to determine present value.
- (d) Present value of costs during the life of the project in terms of 2004 dollars.
- (e) Net cost is the difference between the Base Case and the Alternative.
- (f) Remaining capital value was considered a reduction of cost in this analysis and was subtracted from construction and maintenance costs to obtain a net cost.

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