

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

#Jenny



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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	-	\$67,889,964	\$0	\$0	\$67,889,964
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	\$183,440	\$198,827	\$180,833
2015	5	\$0	\$181,937	\$195,171	\$181,338
2016	6	\$0	\$180,589	\$192,742	\$180,418
2017	7	\$0	\$179,384	\$191,527	\$180,287
2018	8	\$0	\$178,311	\$191,520	\$180,310
2019	9	\$0	\$177,354	\$192,723	\$181,381
2020	10	\$7,487,971	\$0	\$187,680	\$180,189
2021	11	\$7,243,648	\$0	\$187,670	\$184,764
2022	12	\$0	\$186,870	\$184,470	\$181,860
2023	13	\$0	\$186,242	\$184,410	\$181,820
2024	14	\$0	\$185,674	\$184,544	\$181,842
2025	15	\$0	\$185,159	\$184,810	\$181,907
2026	16	\$0	\$184,691	\$185,200	\$182,004
2027	17	\$0	\$184,264	\$185,612	\$182,132
2028	18	\$0	\$183,881	\$186,046	\$182,283
2029	19	\$0	\$183,538	\$186,502	\$182,456
2030	20	\$0	\$183,242	\$186,981	\$182,651
		\$14,742,625	\$272,856,318	\$5,966,596	\$3,210,261
				\$8,673,599	\$91,844,962
					\$78,188,403

- (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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