

様式 2

事業費集計表

(治山事業)

事業名： 直轄地すべり防止事業

都道府県名： 山形

施行箇所： 銅山川地区

(単位：千円)

年度	事業費			年度	事業費		
	事業費	割引率	現在価値額		事業費	割引率	現在価値額
H 3		× 2.2788		H 6 4	0	× 0.2083	0
H 4	493,925	× 2.1911	1,082,239	H 6 5	0	× 0.2003	0
H 5	379,574	× 2.1068	799,687	H 6 6	0	× 0.1926	0
H 6	510,757	× 2.0258	1,034,692	H 6 7	0	× 0.1852	0
H 7	511,941	× 1.9479	997,210	H 6 8	0	× 0.1780	0
H 8	1,080,446	× 1.8730	2,023,675	H 6 9	0	× 0.1712	0
H 9	2,452,615	× 1.8009	4,416,914	H 7 0	0	× 0.1646	0
H 1 0	951,682	× 1.7317	1,648,028	H 7 1	0	× 0.1583	0
H 1 1	1,244,738	× 1.6651	2,072,613	H 7 2	0	× 0.1522	0
H 1 2	1,135,008	× 1.6010	1,817,148	H 7 3	0	× 0.1463	0
H 1 3	665,323	× 1.5395	1,024,265	H 7 4	0	× 0.1407	0
H 1 4	687,759	× 1.4802	1,018,021	H 7 5	0	× 0.1353	0
H 1 5	855,258	× 1.4233	1,217,289	H 7 6	0	× 0.1301	0
H 1 6	426,536	× 1.3686	583,757	H 7 7	0	× 0.1251	0
H 1 7	651,690	× 1.3159	857,559	H 7 8	0	× 0.1203	0
H 1 8	626,753	× 1.2653	793,031	H 7 9	0	× 0.1157	0
H 1 9	514,138	× 1.2167	625,552	H 8 0	0	× 0.1112	0
H 2 0	452,253	× 1.1699	529,091				
H 2 1	554,204	× 1.1249	623,424				
H 2 2	1,029,312	× 1.0816	1,113,304				
H 2 3	420,471	× 1.0400	437,290				
H 2 4	846,488	× 1.0000	846,488				
H 2 5	846,488	× 0.9615	813,898				
H 2 6	846,488	× 0.9246	782,663				
H 2 7	846,488	× 0.8890	752,528				
H 2 8	846,488	× 0.8548	723,578				
H 2 9	846,487	× 0.8219	695,728				
H 3 0	846,487	× 0.7903	668,979				
H 3 1	0	× 0.7599	0				
H 3 2	0	× 0.7307	0				
H 3 3	0	× 0.7026	0				
H 3 4	0	× 0.6756	0				
H 3 5	0	× 0.6496	0				
H 3 6	0	× 0.6246	0				
H 3 7	0	× 0.6006	0				
H 3 8	0	× 0.5775	0				
H 3 9	0	× 0.5553	0				
H 4 0	0	× 0.5339	0				
H 4 1	0	× 0.5134	0				
H 4 2	0	× 0.4936	0				
H 4 3	0	× 0.4746	0				
H 4 4	0	× 0.4564	0				
H 4 5	0	× 0.4388	0				
H 4 6	0	× 0.4220	0				
H 4 7	0	× 0.4057	0				
H 4 8	0	× 0.3901	0				
H 4 9	0	× 0.3751	0				
H 5 0	0	× 0.3607	0				
H 5 1	0	× 0.3468	0				
H 5 2	0	× 0.3335	0				
H 5 3	0	× 0.3207	0				
H 5 4	0	× 0.3083	0				
H 5 5	0	× 0.2965	0				
H 5 6	0	× 0.2851	0				
H 5 7	0	× 0.2741	0				
H 5 8	0	× 0.2636	0				
H 5 9	0	× 0.2534	0				
H 6 0	0	× 0.2437	0				
H 6 1	0	× 0.2343	0				
H 6 2	0	× 0.2253	0				
H 6 3	0	× 0.2166	0				
				合 計			29,998,651
				C =			29,998,651 千円

$$B = \sum_{t=1}^{T-1} \frac{t}{T \times (1+i)^t} + \sum_{t=T}^Y \frac{1}{(1+i)^t} \times D \times R$$

D:	山腹崩壊等によって被害を被る家屋や資材等の年平均の被害想定額 平成22年度銅山川地区地すべり全体計画業務報告書より	4,007,019,907
R:	年間山腹崩壊発生率	1.000
T:	整備期間	27
Y:	評価期間	77

年度	社会的割引率	t/T	効果額	現在価値化
1991	2.2788			
1992	2.1911	0.0370	148,260	324,852
1993	2.1068	0.0741	296,920	625,551
1994	2.0258	0.1111	445,180	901,846
1995	1.9479	0.1481	593,440	1,155,962
1996	1.8730	0.1852	742,100	1,389,953
1997	1.8009	0.2222	890,360	1,603,449
1998	1.7317	0.2593	1,039,020	1,799,271
1999	1.6651	0.2963	1,187,280	1,976,940
2000	1.6010	0.3333	1,335,540	2,138,200
2001	1.5395	0.3704	1,484,200	2,284,926
2002	1.4802	0.4074	1,632,460	2,416,367
2003	1.4233	0.4444	1,780,720	2,534,499
2004	1.3686	0.4815	1,929,380	2,640,549
2005	1.3159	0.5185	2,077,640	2,733,966
2006	1.2653	0.5556	2,226,300	2,816,937
2007	1.2167	0.5926	2,374,560	2,889,127
2008	1.1699	0.6296	2,522,820	2,951,447
2009	1.1249	0.6667	2,671,480	3,005,148
2010	1.0816	0.7037	2,819,740	3,049,831
2011	1.0400	0.7407	2,968,000	3,086,720
2012	1.0000	0.7778	3,116,660	3,116,660
2013	0.9615	0.8148	3,264,920	3,139,221
2014	0.9246	0.8519	3,413,580	3,156,196
2015	0.8890	0.8889	3,561,840	3,166,476
2016	0.8548	0.9259	3,710,100	3,171,393
2017	0.8219	0.9630	3,858,760	3,171,515
2018	0.7903	1.0000	4,007,020	3,166,748
2019	0.7599	1.0000	4,007,020	3,044,934
2020	0.7307	1.0000	4,007,020	2,927,930
2021	0.7026	1.0000	4,007,020	2,815,332
2022	0.6756	1.0000	4,007,020	2,707,143
2023	0.6496	1.0000	4,007,020	2,602,960
2024	0.6246	1.0000	4,007,020	2,502,785
2025	0.6006	1.0000	4,007,020	2,406,616
2026	0.5775	1.0000	4,007,020	2,314,054
2027	0.5553	1.0000	4,007,020	2,225,098
2028	0.5339	1.0000	4,007,020	2,139,348
2029	0.5134	1.0000	4,007,020	2,057,204
2030	0.4936	1.0000	4,007,020	1,977,865
2031	0.4746	1.0000	4,007,020	1,901,732
2032	0.4564	1.0000	4,007,020	1,828,804
2033	0.4388	1.0000	4,007,020	1,758,280
2034	0.4220	1.0000	4,007,020	1,690,962
2035	0.4057	1.0000	4,007,020	1,625,648
2036	0.3901	1.0000	4,007,020	1,563,139
2037	0.3751	1.0000	4,007,020	1,503,033
2038	0.3607	1.0000	4,007,020	1,445,332
2039	0.3468	1.0000	4,007,020	1,389,635
2040	0.3335	1.0000	4,007,020	1,336,341
2041	0.3207	1.0000	4,007,020	1,285,051
2042	0.3083	1.0000	4,007,020	1,235,364
2043	0.2965	1.0000	4,007,020	1,188,081
2044	0.2851	1.0000	4,007,020	1,142,401
2045	0.2741	1.0000	4,007,020	1,098,324
2046	0.2636	1.0000	4,007,020	1,056,250
2047	0.2534	1.0000	4,007,020	1,015,379
2048	0.2437	1.0000	4,007,020	976,511
2049	0.2343	1.0000	4,007,020	938,845
2050	0.2253	1.0000	4,007,020	902,782
2051	0.2166	1.0000	4,007,020	867,921
2052	0.2083	1.0000	4,007,020	834,662
2053	0.2003	1.0000	4,007,020	802,606
2054	0.1926	1.0000	4,007,020	771,752
2055	0.1852	1.0000	4,007,020	742,100
2056	0.1780	1.0000	4,007,020	713,250
2057	0.1712	1.0000	4,007,020	686,002
2058	0.1646	1.0000	4,007,020	659,555
2059	0.1583	1.0000	4,007,020	634,311
2060	0.1522	1.0000	4,007,020	609,868
2061	0.1463	1.0000	4,007,020	586,227
2062	0.1407	1.0000	4,007,020	563,788

2063	0.1353	1.0000	4,007,020	542,150
2064	0.1301	1.0000	4,007,020	521,313
2065	0.1251	1.0000	4,007,020	501,278
2066	0.1203	1.0000	4,007,020	482,045
2067	0.1157	1.0000	4,007,020	463,612
2068	0.1112	1.0000	4,007,020	445,581
合計				132,444,934