

New Quiet Zone Safety Benefits

**Corridor Crossing Severity Indexes Greater Than the National Severity Risk Index
CONSTANT COLLISION RATE**

Communities Where Train Horns Are Routinely Sounded								
	Value of Reduction in:				Fewer			
	Injuries	Fatalities	Total		Injuries	Fatalities	Collisions	
Year 1	0	\$0	\$0	Year 1	0	0.00	0.00	
Year 2	\$743,800	\$239,192	\$982,992	Year 2	0.56	0.08	0.51	
Year 3	\$1,487,599	\$478,385	\$1,965,984	Year 3	1.12	0.16	1.01	
Year 4	\$2,231,399	\$717,577	\$2,948,976	Year 4	1.68	0.24	1.52	
Year 5	\$2,231,399	\$717,577	\$2,948,976	Year 5	1.68	0.24	1.52	
Year 6	\$2,231,399	\$717,577	\$2,948,976	Year 6	1.68	0.24	1.52	
Year 7	\$2,231,399	\$717,577	\$2,948,976	Year 7	1.68	0.24	1.52	
Year 8	\$2,231,399	\$717,577	\$2,948,976	Year 8	1.68	0.24	1.52	
Year 9	\$2,231,399	\$717,577	\$2,948,976	Year 9	1.68	0.24	1.52	
Year 10	\$2,231,399	\$717,577	\$2,948,976	Year 10	1.68	0.24	1.52	
Year 11	\$2,231,399	\$717,577	\$2,948,976	Year 11	1.68	0.24	1.52	
Year 12	\$2,231,399	\$717,577	\$2,948,976	Year 12	1.68	0.24	1.52	
Year 13	\$2,231,399	\$717,577	\$2,948,976	Year 13	1.68	0.24	1.52	
Year 14	\$2,231,399	\$717,577	\$2,948,976	Year 14	1.68	0.24	1.52	
Year 15	\$2,231,399	\$717,577	\$2,948,976	Year 15	1.68	0.24	1.52	
Year 16	\$2,231,399	\$717,577	\$2,948,976	Year 16	1.68	0.24	1.52	
Year 17	\$2,231,399	\$717,577	\$2,948,976	Year 17	1.68	0.24	1.52	
Year 18	\$2,231,399	\$717,577	\$2,948,976	Year 18	1.68	0.24	1.52	
Year 19	\$2,231,399	\$717,577	\$2,948,976	Year 19	1.68	0.24	1.52	
Year 20	\$2,231,399	\$717,577	\$2,948,976	Year 20	1.68	0.24	1.52	
NPV - 20	\$19,647,561	\$6,318,297	\$25,965,858	Total	30.30	4.31	27.37	

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Corridor Crossing Severity Indexes Greater Than the National Severity Risk Index

DECLINING COLLISION RATE: 4% Annually

Communities in the Process of Establishing QZs								
	Value of Reduction in:					Fewer	Fewer	Fewer
	Injuries	Fatalities	Total			Injuries	Fatalities	Collisions
Year 1	\$0	\$0	\$0	1.00	Year 1	-	-	-
Year 2	\$714,048	\$229,625	\$943,672	0.96	Year 2	0.54	0.08	0.49
Year 3	\$1,370,971	\$440,879	\$1,811,851	0.92	Year 3	1.03	0.15	0.93
Year 4	\$1,974,199	\$634,866	\$2,609,065	0.88	Year 4	1.49	0.21	1.35
Year 5	\$1,895,231	\$609,472	\$2,504,702	0.85	Year 5	1.43	0.20	1.29
Year 6	\$1,819,422	\$585,093	\$2,404,514	0.82	Year 6	1.37	0.20	1.24
Year 7	\$1,746,645	\$561,689	\$2,308,334	0.78	Year 7	1.32	0.19	1.19
Year 8	\$1,676,779	\$539,221	\$2,216,000	0.75	Year 8	1.26	0.18	1.14
Year 9	\$1,609,708	\$517,653	\$2,127,360	0.72	Year 9	1.21	0.17	1.10
Year 10	\$1,545,319	\$496,946	\$2,042,266	0.69	Year 10	1.17	0.17	1.05
Year 11	\$1,483,507	\$477,069	\$1,960,575	0.66	Year 11	1.12	0.16	1.01
Year 12	\$1,424,166	\$457,986	\$1,882,152	0.64	Year 12	1.07	0.15	0.97
Year 13	\$1,367,200	\$439,666	\$1,806,866	0.61	Year 13	1.03	0.15	0.93
Year 14	\$1,312,512	\$422,080	\$1,734,592	0.59	Year 14	0.99	0.14	0.89
Year 15	\$1,260,011	\$405,197	\$1,665,208	0.56	Year 15	0.95	0.14	0.86
Year 16	\$1,209,611	\$388,989	\$1,598,600	0.54	Year 16	0.91	0.13	0.82
Year 17	\$1,161,226	\$373,429	\$1,534,656	0.52	Year 17	0.88	0.12	0.79
Year 18	\$1,114,777	\$358,492	\$1,473,269	0.50	Year 18	0.84	0.12	0.76
Year 19	\$1,070,186	\$344,152	\$1,414,339	0.48	Year 19	0.81	0.11	0.73
Year 20	\$1,027,379	\$330,386	\$1,357,765	0.46	Year 20	0.78	0.11	0.70
NPV - 20	\$14,076,069	\$4,526,606	\$18,602,675		Total	20.20	2.87	18.25

New Quiet Zone Safety Benefits

**Corridor Crossing Severity Indexes Greater Than the National Severity Risk Index
CONSTANT COLLISION RATE**

Communities Where Whistle Bans Were Established Post 10-9-96								
	Value of Reduction in:				Fewer			
	Injuries	Fatalities	Total		Injuries	Fatalities	Collisions	
Year 1	0	\$0	\$0	Year 1	0	0.00	0.00	
Year 2	\$5,361	\$172,920	\$178,281	Year 2	0.08	0.04	0.18	
Year 3	\$10,721	\$345,840	\$356,561	Year 3	0.15	0.08	0.35	
Year 4	\$16,082	\$518,760	\$534,842	Year 4	0.23	0.11	0.53	
Year 5	\$16,082	\$518,760	\$534,842	Year 5	0.23	0.11	0.53	
Year 6	\$16,082	\$518,760	\$534,842	Year 6	0.23	0.11	0.53	
Year 7	\$16,082	\$518,760	\$534,842	Year 7	0.23	0.11	0.53	
Year 8	\$16,082	\$518,760	\$534,842	Year 8	0.23	0.11	0.53	
Year 9	\$16,082	\$518,760	\$534,842	Year 9	0.23	0.11	0.53	
Year 10	\$16,082	\$518,760	\$534,842	Year 10	0.23	0.11	0.53	
Year 11	\$16,082	\$518,760	\$534,842	Year 11	0.23	0.11	0.53	
Year 12	\$16,082	\$518,760	\$534,842	Year 12	0.23	0.11	0.53	
Year 13	\$16,082	\$518,760	\$534,842	Year 13	0.23	0.11	0.53	
Year 14	\$16,082	\$518,760	\$534,842	Year 14	0.23	0.11	0.53	
Year 15	\$16,082	\$518,760	\$534,842	Year 15	0.23	0.11	0.53	
Year 16	\$16,082	\$518,760	\$534,842	Year 16	0.23	0.11	0.53	
Year 17	\$16,082	\$518,760	\$534,842	Year 17	0.23	0.11	0.53	
Year 18	\$16,082	\$518,760	\$534,842	Year 18	0.23	0.11	0.53	
Year 19	\$16,082	\$518,760	\$534,842	Year 19	0.23	0.11	0.53	
Year 20	\$16,082	\$518,760	\$534,842	Year 20	0.23	0.11	0.53	
NPV - 20	\$141,599	\$4,567,704	\$4,709,303	Total	4.11	2.05	9.45	

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DECLINING COLLISION RATE: 4% Annually

Communities Where Whistle Bans Were Established Post 10-9-96								
	Value of Reduction in:					Fewer	Fewer	Fewer
	Injuries	Fatalities	Total			Injuries	Fatalities	Collisions
Year 1	\$0	\$0	\$0	1.00	Year 1	-	-	-
Year 2	\$5,146	\$166,003	\$171,149	0.96	Year 2	0.07	0.04	0.17
Year 3	\$9,881	\$318,726	\$328,607	0.92	Year 3	0.14	0.07	0.32
Year 4	\$14,228	\$458,966	\$473,194	0.88	Year 4	0.20	0.10	0.46
Year 5	\$13,659	\$440,607	\$454,266	0.85	Year 5	0.19	0.10	0.45
Year 6	\$13,112	\$422,983	\$436,095	0.82	Year 6	0.19	0.09	0.43
Year 7	\$12,588	\$406,063	\$418,651	0.78	Year 7	0.18	0.09	0.41
Year 8	\$12,084	\$389,821	\$401,905	0.75	Year 8	0.17	0.09	0.39
Year 9	\$11,601	\$374,228	\$385,829	0.72	Year 9	0.16	0.08	0.38
Year 10	\$11,137	\$359,259	\$370,396	0.69	Year 10	0.16	0.08	0.36
Year 11	\$10,692	\$344,889	\$355,580	0.66	Year 11	0.15	0.08	0.35
Year 12	\$10,264	\$331,093	\$341,357	0.64	Year 12	0.15	0.07	0.34
Year 13	\$9,853	\$317,849	\$327,703	0.61	Year 13	0.14	0.07	0.32
Year 14	\$9,459	\$305,135	\$314,595	0.59	Year 14	0.13	0.07	0.31
Year 15	\$9,081	\$292,930	\$302,011	0.56	Year 15	0.13	0.06	0.30
Year 16	\$8,718	\$281,213	\$289,930	0.54	Year 16	0.12	0.06	0.28
Year 17	\$8,369	\$269,964	\$278,333	0.52	Year 17	0.12	0.06	0.27
Year 18	\$8,034	\$259,166	\$267,200	0.50	Year 18	0.11	0.06	0.26
Year 19	\$7,713	\$248,799	\$256,512	0.48	Year 19	0.11	0.05	0.25
Year 20	\$7,404	\$238,847	\$246,251	0.46	Year 20	0.11	0.05	0.24
NPV - 20	\$101,445	\$3,272,432	\$3,373,878		Total	2.74	1.37	6.30