

**New Quiet Zone Crossing Improvement Costs  
New Quiet Zones Not Yet Established**

<b>Installation of Flashing Lights and Gates</b>				
	Number of Installations	Cost of Installations	Annual Maintenance Cost	Total Annual Cost
Year 1	29.3	\$4,106,667	\$0	\$4,106,667
Year 2	29.3	\$4,106,667	\$73,333	\$4,180,000
Year 3	29.3	\$4,106,667	\$146,667	\$4,253,333
Year 4	0.0	\$0	\$220,000	\$220,000
Year 5	0.0	\$0	\$220,000	\$220,000
Year 6	0.0	\$0	\$220,000	\$220,000
Year 7	0.0	\$0	\$220,000	\$220,000
Year 8	0.0	\$0	\$220,000	\$220,000
Year 9	0.0	\$0	\$220,000	\$220,000
Year 10	0.0	\$0	\$220,000	\$220,000
Year 11	0.0	\$0	\$220,000	\$220,000
Year 12	0.0	\$0	\$220,000	\$220,000
Year 13	0.0	\$0	\$220,000	\$220,000
Year 14	0.0	\$0	\$220,000	\$220,000
Year 15	0.0	\$0	\$220,000	\$220,000
Year 16	0.0	\$0	\$220,000	\$220,000
Year 17	0.0	\$0	\$220,000	\$220,000
Year 18	0.0	\$0	\$220,000	\$220,000
Year 19	0.0	\$0	\$220,000	\$220,000
Year 20	0.0	\$0	\$220,000	\$220,000
NPV 20	88.0	\$10,777,191	\$1,937,109	\$12,714,301

**New Quiet Zone Crossing Improvement Costs  
New Quiet Zones Not Yet Established**

<b>Adding Gates to Flashing Lights</b>				
	Number of	Cost of	Annual	Total Annual
	Installations	Installations	Maintenance	Cost
Year 1	36.3	\$1,453,333	\$0	\$1,453,333
Year 2	36.3	\$1,453,333	\$18,167	\$1,471,500
Year 3	36.3	\$1,453,333	\$36,333	\$1,489,667
Year 4	0.0	\$0	\$54,500	\$54,500
Year 5	0.0	\$0	\$54,500	\$54,500
Year 6	0.0	\$0	\$54,500	\$54,500
Year 7	0.0	\$0	\$54,500	\$54,500
Year 8	0.0	\$0	\$54,500	\$54,500
Year 9	0.0	\$0	\$54,500	\$54,500
Year 10	0.0	\$0	\$54,500	\$54,500
Year 11	0.0	\$0	\$54,500	\$54,500
Year 12	0.0	\$0	\$54,500	\$54,500
Year 13	0.0	\$0	\$54,500	\$54,500
Year 14	0.0	\$0	\$54,500	\$54,500
Year 15	0.0	\$0	\$54,500	\$54,500
Year 16	0.0	\$0	\$54,500	\$54,500
Year 17	0.0	\$0	\$54,500	\$54,500
Year 18	0.0	\$0	\$54,500	\$54,500
Year 19	0.0	\$0	\$54,500	\$54,500
Year 20	0.0	\$0	\$54,500	\$54,500
NPV 20	109	\$3,814,006	\$479,875	\$4,293,881

**New Quiet Zone Crossing Improvement Costs  
New Quiet Zones Not Yet Established**

<b>Mountable Curbs w/ Frangible Delineators</b>				
	Number of Installations	Cost of Installations	Annual Maintenance	Total Annual Cost
Year 1	7.3	\$95,333	\$0	\$95,333
Year 2	7.3	\$95,333	\$3,667	\$99,000
Year 3	7.3	\$95,333	\$7,333	\$102,667
Year 4	0.0	\$0	\$11,000	\$11,000
Year 5	0.0	\$0	\$11,000	\$11,000
Year 6	0.0	\$0	\$11,000	\$11,000
Year 7	0.0	\$0	\$11,000	\$11,000
Year 8	0.0	\$0	\$11,000	\$11,000
Year 9	0.0	\$0	\$11,000	\$11,000
Year 10	0.0	\$0	\$11,000	\$11,000
Year 11	0.0	\$0	\$11,000	\$11,000
Year 12	0.0	\$0	\$11,000	\$11,000
Year 13	0.0	\$0	\$11,000	\$11,000
Year 14	0.0	\$0	\$11,000	\$11,000
Year 15	0.0	\$0	\$11,000	\$11,000
Year 16	0.0	\$0	\$11,000	\$11,000
Year 17	0.0	\$0	\$11,000	\$11,000
Year 18	0.0	\$0	\$11,000	\$11,000
Year 19	0.0	\$0	\$11,000	\$11,000
Year 20	0.0	\$0	\$11,000	\$11,000
NPV 20	22	\$250,185	\$96,855	\$347,040

<b>New Quiet Zone Crossing Improvement Costs</b>				
<b>New Quiet Zones Not yet Established</b>				
<b>Photo-Enforcement</b>				
	Number of	Installations	Annual	Total Annual
	Installations	and Baseline	Maintenance	Cost
Year 1	0.7	\$31,667	\$0	\$31,667
Year 2	0.7	\$31,667	\$10,267	\$41,933
Year 3	0.7	\$31,667	\$20,533	\$52,200
Year 4	0.0	\$0	\$30,800	\$30,800
Year 5	0.0	\$0	\$30,800	\$30,800
Year 6	0.0	\$0	\$29,800	\$29,800
Year 7	0.0	\$0	\$28,800	\$28,800
Year 8	0.0	\$0	\$27,800	\$27,800
Year 9	0.0	\$0	\$27,800	\$27,800
Year 10	0.0	\$0	\$27,800	\$27,800
Year 11	0.0	\$0	\$27,800	\$27,800
Year 12	0.0	\$0	\$27,800	\$27,800
Year 13	0.0	\$0	\$27,800	\$27,800
Year 14	0.0	\$0	\$27,800	\$27,800
Year 15	0.0	\$0	\$27,800	\$27,800
Year 16	0.0	\$0	\$27,800	\$27,800
Year 17	0.0	\$0	\$27,800	\$27,800
Year 18	0.0	\$0	\$27,800	\$27,800
Year 19	0.0	\$0	\$27,800	\$27,800
Year 20	0.0	\$0	\$27,800	\$27,800
NPV 20	2.0	\$83,103	\$253,669	\$336,773

<b>New Quiet Zone Crossing Improvement Costs</b>				
<b>New Quiet Zones Not yet Established</b>				
<b>Medians OR Four-Quadrant Gates</b>				
	Number of Installations	Installations and Baseline	Annual Maintenance	Total Annual Cost
Year 1	4.7	\$296,333	\$0	\$296,333
Year 2	4.7	\$296,333	\$7,000	\$303,333
Year 3	4.7	\$296,333	\$14,000	\$310,333
Year 4	0.0	\$0	\$21,000	\$21,000
Year 5	0.0	\$0	\$21,000	\$21,000
Year 6	0.0	\$0	\$21,000	\$21,000
Year 7	0.0	\$0	\$21,000	\$21,000
Year 8	0.0	\$0	\$21,000	\$21,000
Year 9	0.0	\$0	\$21,000	\$21,000
Year 10	0.0	\$0	\$21,000	\$21,000
Year 11	0.0	\$0	\$21,000	\$21,000
Year 12	0.0	\$0	\$21,000	\$21,000
Year 13	0.0	\$0	\$21,000	\$21,000
Year 14	0.0	\$0	\$21,000	\$21,000
Year 15	0.0	\$0	\$21,000	\$21,000
Year 16	0.0	\$0	\$21,000	\$21,000
Year 17	0.0	\$0	\$21,000	\$21,000
Year 18	0.0	\$0	\$21,000	\$21,000
Year 19	0.0	\$0	\$21,000	\$21,000
Year 20	0.0	\$0	\$21,000	\$21,000
NPV 20	14.0	\$777,672	\$184,906	\$962,578

<b>New Quiet Zone Crossing Improvement Costs</b>				
<b>New Quiet Zones Established Post October 9, 1996</b>				
<b>Adding Gates to Flashing Lights</b>				
	Number of	Cost of	Annual	Total Annual
	Installations	Installations	Maintenance	Cost
Year 1	16.3	\$653,333	\$0	\$653,333
Year 2	16.3	\$653,333	\$8,167	\$661,500
Year 3	16.3	\$653,333	\$16,333	\$669,667
Year 4	0.0	\$0	\$24,500	\$24,500
Year 5	0.0	\$0	\$24,500	\$24,500
Year 6	0.0	\$0	\$24,500	\$24,500
Year 7	0.0	\$0	\$24,500	\$24,500
Year 8	0.0	\$0	\$24,500	\$24,500
Year 9	0.0	\$0	\$24,500	\$24,500
Year 10	0.0	\$0	\$24,500	\$24,500
Year 11	0.0	\$0	\$24,500	\$24,500
Year 12	0.0	\$0	\$24,500	\$24,500
Year 13	0.0	\$0	\$24,500	\$24,500
Year 14	0.0	\$0	\$24,500	\$24,500
Year 15	0.0	\$0	\$24,500	\$24,500
Year 16	0.0	\$0	\$24,500	\$24,500
Year 17	0.0	\$0	\$24,500	\$24,500
Year 18	0.0	\$0	\$24,500	\$24,500
Year 19	0.0	\$0	\$24,500	\$24,500
Year 20	0.0	\$0	\$24,500	\$24,500
NPV 20	49	\$1,714,553	\$215,724	\$1,930,277