

2023 - 2026 NOISE BARRIER RETROFIT PROGRAM PRIORITIZED LIST

Project Number	LOCATION	Design Year Noise Levels dB(A)- L10	Proposed Height of Wall	Proposed Length of Wall	Estimated Cost (2022 \$)	Benefiting Dwelling Units	Dwelling Units Exceeding Criteria	Benefit / Cost Ratio*
1	68 Street S.E. (East side) North of 16 Avenue S.E. to 15 Avenue S.E.	70	3.0m	80m	\$140,000	5	5	1.52
2	52 Street S.E. (West side) North of Prestwick Avenue S.E. to Prestwick Gate S.E.	66 - 69	3.0m	330m	\$600,000	29	17	0.90
3	Shaganappi Trail N.W. (Both sides) South of Sherwood Gate N.W. to north of Kincora Gate N.W.	65 - 71	2.0m - 6.0m	1110m	\$3,130,000	80	63	0.84
4	Crowchild Trail N.W. (South side) East of 53 Street N.W.	66 - 75	4.0m - 4.6m	225m	\$550,000	14	12	0.61
5	Crowchild Trail N.W. (North side) West of Stoney Trail N.W.	66 - 73	3.0m - 4.6m	880m	\$2,360,000	20	20	0.27
6	36 Street N.E. (East side) North of Marbank Drive N.E.	65 - 71	2.6m - 3.0m	440m	\$840,000	8	3	0.25
7	18 Street S.E. (Both sides) South of Riverview Circle S.E.	Leq (24) 60 - 63	1.8m - 2.6m	310m	\$480,000	16	8	0.19
8	Nose Hill Drive N.W. (West side) North of Scenic Acres Gate N.W.	Leq (24) 61	3.0m	20m	\$ 50,000	1	1	0.15
9	69 Street S.W. (East side) North of 17 Avenue S.W. to 100 Christie Knoll Heights S.W.	65 - 70	1.8m - 3.2m	540m	\$880,000	27	10	0.12
10	24 Street S.E. (West side) North of Deerfoot Trail S.E. to Douglas Glen Gate S.E.	65 - 68	3.6m	390m	\$840,000	24	7	0.09
11	Old Banff Coach Road S.W. (West side) North of Coach Hill Rd. S.W. to Patterson Blvd S.W.	65 - 66	3.6m	380m	\$830,000	21	2	0.02

Design noise level criteria for roadways designated as truck routes is L10 65 decibels

Design noise level criteria for roadways designated as non-truck routes is Leq (24) 60 decibels

*Benefit/Cost Ratio calculation: severity of the noise problem, amount of noise reduction, cost of attenuation and number of dwelling units exceeding criteria