

Asset Class: Sound Attenuation Walls

Asset Quantity and Valuation (as of 2020/07/31)

The network of sound attenuation walls in The City of Calgary is 95km in length.

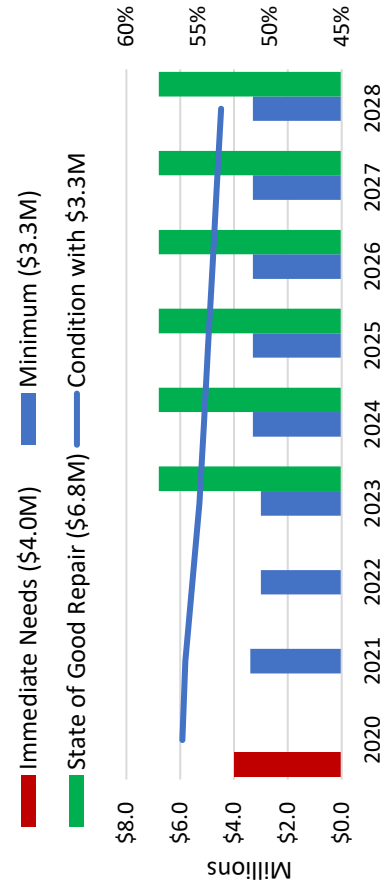
Total Estimated Asset Value = \$143 million

Major Infrastructure Risks

1. **1.7km** damaged or deteriorated walls adjacent to sidewalks or roadways pose hazards to the public and require immediate replacement:
 - Crowchild Trail SW: (32 Ave to 24 Ave/Tecumseh Rd to 23a St/24 St & Richmond Rd)
 - 14 St SW (Southland Dr SW, 75 Av SW)
 - Memorial Dr NE (Bridgeland)
2. **42km** of walls have past their estimated useful life and the replacement cost for these walls is \$85 million.
3. Limited capital funding requires prioritization of repairs.

Condition Forecast

Investment Needs & Condition Forecast



Asset Condition by Ward (% of Sound Walls in Good Condition)

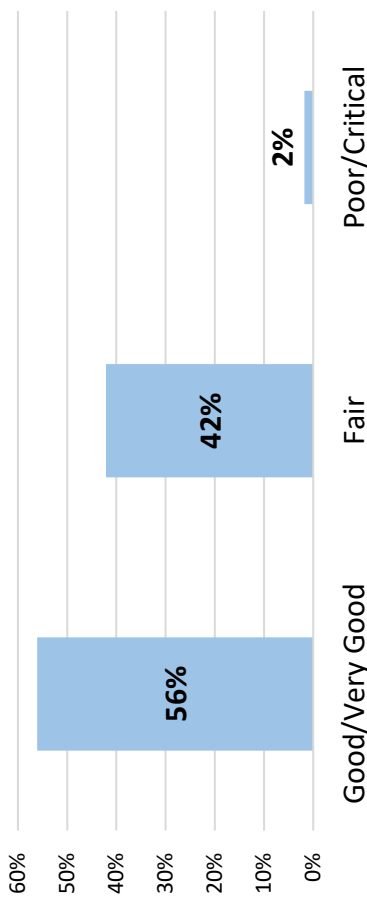
Ward	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Good Condition (%)	96%	97%	100%	100%	100%	100%	90%	90%	92%	100%	98%	95%	90%	100%

Customer Expectations

Service Value	Benefits	
Safe	<ul style="list-style-type: none"> • Provide safety barriers for motorist, pedestrians and cyclists • Reduce decibel level of road noise migrating into communities • Improve privacy as a barrier between roadway and residential areas 	
Timely	<ul style="list-style-type: none"> • Improve or maintain on-time completion rate for 3-1-1 service requests 	
Severity	Rating	Description
1	Very Good	As new condition
2	Good	Small amount of deterioration
3	Fair	Moderate levels of deterioration
4	Poor	More damage deterioration evident
5	Critical	Total deterioration and safety concerns

Asset Condition

Sound Attenuation Wall Condition Rating (2020)



Condition Photos

Crowchild Tr SW & 24 St SW



Southland Dr SW & 14 St SW



14 St SW – Glenmore Tr & 75 Ave SW



Crowchild Tr SW - 22 St SW

