

**Blue Star Trail Feasibility Study – Main Street to Maple Street
Anticipated Schedule and Cost for Maintenance – December 26, 2018**

Infrastructure Component	Anticipated Useful Life (yrs)
Concrete Curb & Gutter	50+
Concrete Sidewalk	50+
Retaining Wall (sheet pile, concrete modular block or similar)	50+
Storm Sewer & Catch Basins	50+
Traffic Signal – Mast Arms, Poles, Foundations & other structural components	50+
Traffic Signal – Electronics, Detection Equipment, Lights, etc.	10-20
Enhanced Crosswalk Equipment	10-20
Asphalt Paving	20
Pavement Markings	1-5
Signage	10-20
Fence	15-20
Guardrail	25

Maintenance Activity	Incremental Annualized Cost ¹	
	West Side	East Side
Snow Removal (20 pushes estimated)	\$1,500	\$2,500 ²
Mowing, Trimming & Weed Control (20 cuts estimated)	\$1,200	\$3,200
Sidewalk Patching	\$100	\$200
Retaining Wall Repairs	\$100	\$500
Traffic Signal Operation, Maintenance & Repair	\$3,000	N/A
Enhanced Crosswalk Equipment Operation, Maintenance & Repair	N/A	\$400
Asphalt Crack Sealing and Patching	\$200	\$200
Pavement Markings (Tracing Crosswalks & Buffers Every 2-5 Years)	\$1,200	\$1,200
Sign/Post Replacement	\$100	\$100
Fence Repairs	\$300	\$400
Total Estimated Incremental Cost for Operation, Maintenance & Repair	\$7,700	\$8,700

Notes:

1. The estimated costs are intended to represent the incremental (additional) costs between the existing infrastructure and the infrastructure that would exist under either option.
2. If desired by the City. Snow removal on Blue Star Trail has been done on a case-by-case basis, depending on community preference.