

**Blue Star Trail Feasibility Study – Main Street to Maple Street
Anticipated Schedule and Cost for Maintenance – May 29, 2019**

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			Saugatuck Portion (~80%)		
	1D	2F	West Side	1D	2F	West Side
Snow Removal (20 pushes estimated)	\$1,800	\$2,000	\$1,500	\$1,400	\$1,600	\$1,200
Mowing, Trimming & Weed Control (20 cuts estimated)	\$1,000	\$500	\$1,200	\$800	\$400	\$1,000
Sidewalk Patching	\$100	\$100	\$100	\$100	\$100	\$100
Retaining Wall Repairs	\$100	\$100	\$100	\$100	\$100	\$100
Traffic Signal Operation, Maintenance & Repair	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000
Enhanced Crosswalk Equipment Operation, Maintenance & Repair	N/A	N/A	N/A	N/A	N/A	N/A
Asphalt Crack Sealing and Patching	\$200	\$200	\$200	\$200	\$200	\$200
Pavement Markings (Tracing Crosswalks & Buffers Every 2-5 Years, Annualized)	\$1,200	\$1,500	\$1,200	\$1,000	\$1,200	\$1,000
Sign/Post Replacement	\$100	\$100	\$100	\$100	\$100	\$100
Fence Repairs	\$300	\$100	\$300	\$300	\$100	\$300
Total Estimated Incremental Cost for Operation, Maintenance & Repair	\$7,800	\$7,600	\$7,700	\$7,000	\$6,800	\$7,000

Notes:

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