



Staff Report

PO Box 300 | 10007 – 100A Street | Taylor, BC V0C 2K0 | www.districtoftaylor.com

TO: Committee of the Whole

FROM: Ryan Nelson, Director of Operations

DATE: November 4, 2024

SUBJECT: Street Lighting – Capital Plan

☐ [Map](#)

ATTACHMENT(S): ☐ [10 Year Plan](#)
☐ [35 Areas](#)

STRATEGIC GOALS & PRIORITIES:

This report complies with the following strategic goals set out by Council:

- Asset Maintenance and Enhancement

RECOMMENDED RESOLUTION:

This report is for information purposes that will impact the Capital Budget for 2025 and following years.

PURPOSE:

This report is to update Mayor and Council of the results of the street light audit performed by DMD and the proposed upgrade plan with an associated “Class C” cost estimate submitted by Urban Systems Limited (USL).

BACKGROUND:

DMD completed an audit of all the streets that require lighting within the District of Taylor at the end of 2023. USL in turn built a work plan with pricing to upgrade all of the streets in Taylor to a road lighting standard.

FINANCIAL IMPLICATIONS:

The overall cost to upgrade the entire street lighting system is estimated to cost \$7.8 million. The street lighting plan is currently broken down into a 10-year phased plan with 9 years’ worth of construction. The first year is a design only year, with each consecutive year including designing costs for the next construction year.

Currently in the Capital Budget, there is \$57,000 remaining for designing street lights for construction in 2025.

COMMENTS & DISCUSSION:

The entire street light plan built by USL is broken down into 35 separate areas. In turn, these areas are formed into 10 Project Groups to equalize the work and the capital budget required. There was a power point presentation to Council by Urban Systems this summer that covered the areas that needed attention, along with Class C estimated costs associated with the work plan.

According to the presented work plan, the cost to design the construction work in 2024 is \$59,255. The estimated construction cost for Project Group 1 in 2025 is \$901,100, which includes a design cost for construction in 2026 of \$54,600.

ALTERNATIVE OPTIONS:

Council may choose to change which areas should be upgraded first, as well to break down the work plan to span over more years so that the budget isn't as costly each year.

Alternatively, Staff recommends that, "Council resolves to use the remaining 2024 Street light budget to design street light upgrades for Area 1, Birch Street from Spruce Street North to Hwy 97, for construction in 2025."

The costs for design of this project should fit within the remaining \$57,000 of this year's street light budget. The "Class C" construction price for the Birch Avenue East lighting upgrade near the Taylor Elementary school, is estimated at \$217,750.

SUMMARY & CONCLUSION:

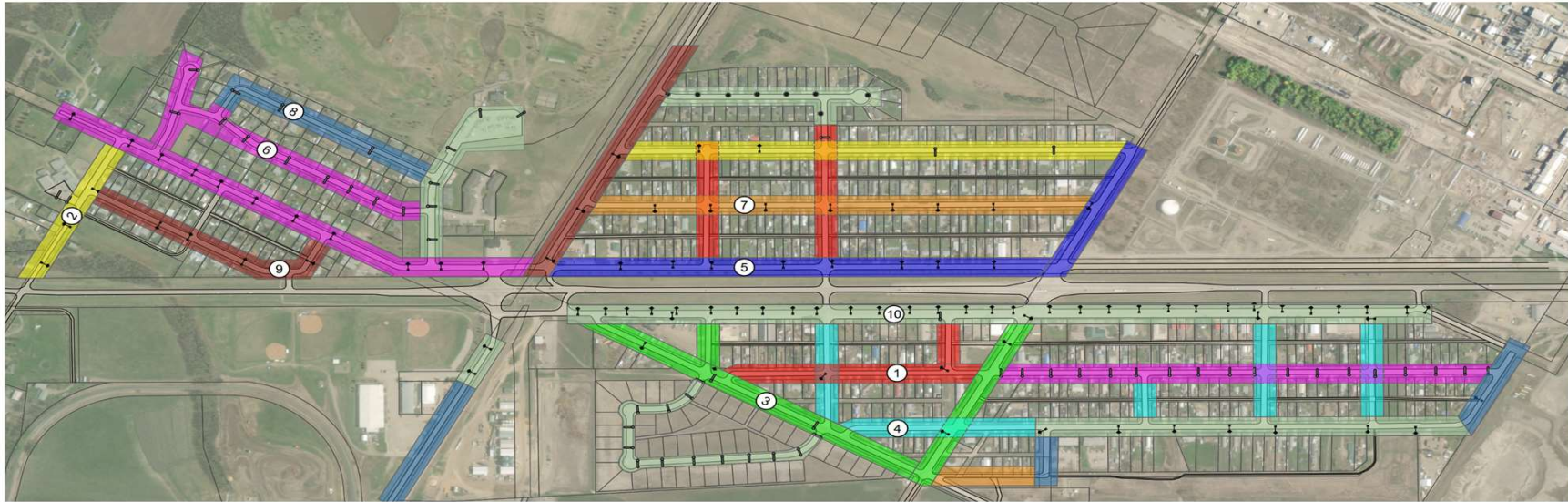
Staff looks to Mayor and Council to provide feedback and direction on this street lighting plan for future capital budget discussions.

RESPECTFULLY SUBMITTED:



Ryan Nelson
Director of Operations

The District of Taylor's guiding principle is "Safety, Family, then Work."



LEGEND

■	GROUPING 1		EXISTING UTILITY POLE C/W LEASE LIGHT
■	GROUPING 2		EXISTING POST TOP POLE
■	GROUPING 3		EXISTING DAVIT POLE
■	GROUPING 4		
■	GROUPING 5		
■	GROUPING 6		
■	GROUPING 7		
■	GROUPING 8		
■	GROUPING 9		
■	GROUPING 10		

District of Taylor Streetlights Capital Plan

Area	Project Grouping	Location	From/to	Road Type	Pedestrian Traffic	Upgrade Strategy	Strategy Comments	Total Length (lm)	Number of Luminaires Replaced	Number of Davit Poles installed
2024										
		2025 Design								
										Subtotal
2025										
20	1	105 AVENUE		Local	Low	New street lighting design	Approx. 3 new streetlights proposed	90		
21	1	105 AVENUE		Local	Low	New street lighting design	Approx. 5 new streetlights proposed	200		
30	1	102 AVENUE	WEST OF HIGHWAY 97	Local	Low	New street lighting design	Approx. 5 new streetlights proposed	245		
14	1	102 AVENUE	SPRUCE STREET TO PINE AVENUE	Local	Low	New street lighting design	Approx. 8 new streetlights proposed	460		
13	1	102 AVENUE	EAST OF HIGHWAY 97	Local	Low	New street lighting design	Approx. 3 new streetlights proposed	105		
16	1	104 AVENUE		Local	Low	New street lighting design	Approx. 3 new streetlights proposed	110		
		2026 Design								
										Subtotal
2026										
8	2	CHERRY DRIVE	WEST OF ARENA DRIVEWAY	Local	Medium	New street lighting design	Approx. 6 new streetlights proposed	290		
1	2	BIRCH AVENUE	SPRUCE STREET TO HIGHWAY 97	Local	Medium	New street lighting design	Existing Lease lights to remain, 4 new davit poles	335		
10	2	CHERRY AVENUE		Local	Low	New street lighting design	Approx. 12 new streetlights proposed	575		
		2027 Design								
										Subtotal
2027										
31	3	103 AVENUE	WEST OF HIGHWAY 97	Local	Low	New street lighting design	Approx. 5 new streetlights proposed	290		
17	3	SPRUCE STREET		Local	Low	New street lighting design	Approx. 12 new streetlights proposed, existing lights to remain	655		
19	3	PINE AVENUE	WEST OF HIGHWAY 97	Local	Low	New street lighting design	Approx. 8 new streetlights proposed	370		
		2028 Design								
										Subtotal
2028										
23	4	106 AVENUE		Local	Low	New street lighting design	Approx. 4 new streetlights proposed	100		
28	4	WILLOW DRIVE		Local	Low	New street lighting design	Approx. 4 new streetlights proposed	160		
18	4	102 AVENUE	SPRUCE STREET TO 105 AVENUE	Local	Low	New street lighting design	Approx. 5 new streetlights proposed	355		
24	4	107 AVENUE		Local	Low	New street lighting design	Approx. 6 new streetlights proposed	220		
26	4	108 AVENUE		Local	Low	New street lighting design	Approx. 6 new streetlights proposed	220		
15	4	103 AVENUE	EAST OF HIGHWAY 97	Local	Low	New street lighting design	Approx. 6 new streetlights proposed	225		
		2029 Design								
										Subtotal
2029										
11	5	PINE AVENUE	EAST OF HIGHWAY 97	Local	Low	New street lighting design	Approx. 7 new streetlights proposed	315		
32	5	100A STREET	CHERRY AVENUE TO PINE AVENUE	Local	Low	New street lighting design	Existing Lease lights to remain, 16 new davit poles	875		
		2030 Design								
										Subtotal
2030										
2	6	97 STREET	96 STREET TO 99 AVENUE	Local	Low	Replace Luminaires	Replace existing luminaires (7) and provide install new streetlights (2)	180	7	2
27	6	100 STREET	PINE AVENUE TO WILLOW DRIVE	Local	Low	Replace luminaires	Replace existing luminaires (18)	885	18	
6	6	100A STREET	BIRCH AVENUE TO CHERRY AVENUE	Local	Low	New street lighting design	Existing Lease lights to remain, 8 new davit poles	915		
5	6	97 STREET	96 STREET TO 99 AVENUE	Local	Low	Replace Luminaires	Replace existing luminaires (7) and provide install new streetlights (2)	425	7	2
		2031 Design								
										Subtotal

2031										
4	7	96 STREET		Local	Low	New street lighting design	Existing Lease lights to remain, 10 new davit poles	460		
33	7	99 STREET		Local	Low	New street lighting design	Existing Lease lights to remain, 8 new davit poles	885		
		2032Design								
										Subtotal
2032										
34	8	98 STREET		Local	Low	New street lighting design	Approx. 10 new streetlights proposed	880		
35	8	Lone Wolf		Local	Low	New street lighting design	lighting required, refer to completed design	200		
		2033 Design								
										Subtotal
2033										
7	9	99 AVENUE:	100A Street to lone wolf parking lot	Local	Low	Replace luminaires	Replace existing luminaries (3) and provide install new streetlights (2)	220	3	2
29	9	97 STREET		Local	Low	Replace luminaires	Replace existing luminaries (9)	410	9	
3	9	100A STREET	BIRCH AVENUE TO CHERRY AVENUE	Local	Low	New street lighting design	Existing Lease lights to remain, 7 new davit poles	495		
22	9	102 STREET	105 AVENUE TO WILLOW DRIVE	Local	Low	New street lighting design	Existing Lease lights to remain, 10 new davit poles	730		
		2034 Design								
										Subtotal
2034										
9	10*	CHERRY DRIVE	ARENA DRIVEWAY TO APPROX 80m EAST	Local	Medium	No upgrades	Meets current lighting standards	130		
12	10*	See DMD DRAWING 6167-18		Local	Low	No upgrades	Meets current lighting standards	645		

District of Taylor Streetlight Audit

10/25/2024

District of Taylor Streetlighting Audit - Estimated Costs by Area (2024\$)

Area	Location	From/To	Road Type	Pedestrian Traffic	Upgrade Strategy	Strategy Comments	Estimated Cost
1	BIRCH AVENUE	SPRUCE STREET TO HIGHWAY 97	Local	Medium	New street lighting design	Existing Lease lights to remain, 4 new davit poles	\$ 217,750.00
2	FAIRWAY AVENUE	SPRUCE STREET NORTH TO EAST END	Local	Low	Replace luminaires	Replace existing luminaires (7) and provide install new streetlights (2)	\$ 31,070.00
3	100A STREET	BIRCH AVENUE TO CHERRY AVENUE	Local	Low	New street lighting design	Existing Lease lights to remain, 7 new davit poles	\$ 321,750.00
4	96 STREET	97 STREET TO 99 AVENUE	Local	Low	New street lighting design	Existing Lease lights to remain, 10 new davit poles	\$ 299,000.00
5	97 STREET	96 STREET TO 99 AVENUE	Local	Low	Replace luminaires	Replace existing luminaires (7) and provide install new streetlights (2)	\$ 31,070.00
6	SPRUCE STREET NORTH	CHERRY AVENUE EAST	Local	Low	New street lighting design	Existing Lease lights to remain, 8 new davit poles	\$ 594,750.00
7	99 AVENUE	SPRUCE STREET NORTH TO LONE WOLF PARKING LOT	Local	Low	Replace luminaires	Replace existing luminaires (3) and provide install new streetlights (2)	\$ 22,230.00
8	CHERRY AVENUE WEST	WEST OF ARENA DRIVEWAY	Local	Medium	New street lighting design	Approx. 6 new streetlights proposed	\$ 188,500.00
9	CHERRY AVENUE WEST	ARENA DRIVEWAY TO APPROX. 80m EAST	Local	Medium	No upgrades	Meets current lighting standards	\$ -
10	CHERRY AVENUE EAST	100A STREET TO EAST END	Local	Low	New street lighting design	Approx. 12 new streetlights proposed	\$ 373,750.00
11	PINE AVENUE EAST	EAST OF HIGHWAY 97	Local	Low	New street lighting design	Approx. 7 new streetlights proposed	\$ 204,750.00
12	Jarvis Crescent		Local	Low	No upgrades	Meets current lighting standards	\$ -
13	102 AVENUE	100 STREET TO SPRUCE STREET SOUTH	Local	Low	New street lighting design	Approx. 3 new streetlights proposed	\$ 68,250.00
14	102 AVENUE	SPRUCE STREET SOUTH TO PINE AVENUE WEST	Local	Low	New street lighting design	Approx. 8 new streetlights proposed	\$ 299,000.00
15	103 AVENUE	100 STREET TO SPRUCE STREET SOUTH	Local	Low	New street lighting design	Approx. 6 new streetlights proposed	\$ 146,250.00
16	104 AVENUE	100 STREET TO 101 STREET	Local	Low	New street lighting design	Approx. 3 new streetlights proposed	\$ 71,500.00
17	SPRUCE STREET SOUTH	100 STREET TO PINE AVENUE WEST	Local	Low	New street lighting design	Approx. 12 new streetlights proposed, existing lights to remain	\$ 425,750.00
18	102 AVENUE	SPRUCE STREET TO 105 AVENUE	Local	Low	New street lighting design	Approx. 5 new streetlights proposed	\$ 230,750.00
19	PINE AVENUE WEST	WEST OF HIGHWAY 97	Local	Low	New street lighting design	Approx. 8 new streetlights proposed	\$ 240,500.00
20	105 AVENUE	102 STREET TO 103 STREET	Local	Low	New street lighting design	Approx. 3 new streetlights proposed	\$ 58,500.00
21	105 AVENUE	SPRUCE STREET SOUTH TO 105 AVENUE	Local	Low	New street lighting design	Approx. 5 new streetlights proposed	\$ 130,000.00
22	102 STREET	105 AVENUE TO WILLOW DRIVE	Local	Low	New street lighting design	Existing Lease lights to remain, 10 new davit poles	\$ 474,500.00
23	106 AVENUE	101 STREET TO 102 STREET	Local	Low	New street lighting design	Approx. 4 new streetlights proposed	\$ 65,000.00
24	107 AVENUE	100 STREET TO 102 STREET	Local	Low	New street lighting design	Approx. 6 new streetlights proposed	\$ 143,000.00
25	100 STREET	SPRUCE STREET SOUTH TO MCMAHON DRIVE	Local	Low	No upgrades	Meets current lighting standards for roadway, south parking lane poorly lit	\$ -
26	108 AVENUE	100 STREET TO 102 STREET	Local	Low	New street lighting design	Approx. 6 new streetlights proposed	\$ 143,000.00
27	100 STREET	PINE AVENUE WEST TO WILLOW DRIVE	Local	Low	Replace luminaires	Replace existing luminaires (18)	\$ 39,780.00
28	WILLOW DRIVE	102 STREET TO MCMAHON DRIVE	Local	Low	New street lighting design	Approx. 4 new streetlights proposed	\$ 104,000.00
29	97 STREET	CHERRY AVENUE EAST TO EAST END	Local	Low	Replace luminaires	Replace existing luminaires (9)	\$ 19,890.00
30	102 AVENUE	100A STREET TO 98 STREET	Local	Low	New street lighting design	Approx. 5 new streetlights proposed	\$ 159,250.00
31	103 AVENUE	100A STREET TO 97 STREET	Local	Low	New street lighting design	Approx. 5 new streetlights proposed	\$ 188,500.00
32	100A STREET	CHERRY AVENUE EAST TO PINE AVENUE EAST	Local	Low	New street lighting design	Existing Lease lights to remain, 16 new davit poles	\$ 568,750.00
33	99 STREET	CHERRY AVENUE EAST TO PINE AVENUE EAST	Local	Low	New street lighting design	Existing Lease lights to remain, 8 new davit poles	\$ 575,250.00
34	98 STREET	CHERRY AVENUE EAST TO PINE AVENUE EAST	Local	Low	New street lighting design	Approx. 10 new streetlights proposed	\$ 572,000.00
35	Lone Wolf Parking Lot		Local	Low	New street lighting design	lighting required, refer to completed design	\$ 130,000.00
							\$ 7,138,040.00

District of Taylor Streetlight Audit

10/25/2024