

## STREETLIGHT EXPANSION (2021-2025)

<b>Department</b>	Engineering & Public Works	<b>Starting Quarter</b>	2022 Q1
<b>Project Manager</b>	Manager Capital Projects	<b>Completion Quarter</b>	2023 Q4
<b>Asset Group</b>	Transportation	<b>Estimated Life</b>	50 Years
<b>Project Type</b>	New	<b>Reference</b>	21-80-06

### Project Description

Street lighting generally refers to lighting of streets and roadways, including sidewalks, crosswalks, intersections, roundabouts, and multi-use pathways. The principal purpose of street lighting is to enhance visibility at night. For a pedestrian, this may mean better visibility of the surrounds and sidewalk while for drivers and cyclists, it means increased time to stop or safety manoeuvre around an obstacle.

A lighting consultant was retained in 2019 to update the City's lighting specification and identify locations, deficiencies, and costs for additional streetlights. The assessment determined priority locations on a citywide basis. Locations on arterial and collector roads are prioritized over local roads because they carry a higher risk for drivers and pedestrians: intersections, crosswalks, sidewalks with multiple driveway crossings, proximity to schools or high pedestrian areas (commercial, med/high density development). The warrant criteria for roadways considers geometric, operational, environmental and collision factors such as the number of lanes, posted speed, driveway entrances, intersections, crosswalks, pedestrian activity, land use. Lighting is typically warranted at signalized intersections and those that meet other criteria such as traffic volumes, crosswalks, night time collisions and raised sidewalks. Wherever practical, utilization of lease lights on existing hydro poles will be used.

#### 2021 locations:

- Oxford Street – Suffolk to Westminster (5 standard)
- Prairie Avenue at Finley Street (2 lease)
- Shaughnessy Street at lane north of Pitt River Rd (1 standard)
- Shaughnessy Street – at Dorset (1 standard)
- Shaughnessy Street – at Mary Hill Lane (1 standard + 1 lease)
- Westminster Avenue – Oxford St to James Park Elementary (2 standard)
- Wellington Street – at Heather Avenue (1 standard)
- Langan Avenue - Brown to Broadway (2 lease)
- Wilson Avenue at Bury Ave (1 standard)

#### 2022 locations:

- Kamloops Place – unlit trail entrance at east end (1)
- Oxford Street at Salisbury – unlit crosswalk and intersection (3)
- Oxford Street at Patricia Avenue – unlit crosswalk (1)
- Shaughnessy Street at Lincoln Avenue – unlit crosswalk and intersection (2)
- Pooley Street at Knappen Avenue – unlit crosswalks (2)
- Pooley Street at Taylor Avenue – unlit crosswalks and intersection (2)
- Grant Street at Wellington Avenue – unlit crosswalk (1)
- Donald Street at Welcher Avenue – unlit crosswalk (2)

Project planning and selection is carried out by the Infrastructure Planning division. Projects are to be designed and constructed by the Capital Projects division in 2022.