

Appendix 4: Statement of Work (SOW) for LDD Aerial Spray

1.0 Background

The City of Mississauga's Parks, Forestry & Environment Division has recently completed data collection on LDD infestation levels throughout the City. Based on data gathered, there is a need for the services of an urban residential aerial spray contractor, a very specific and highly technical service, to mitigate the impact of these insects. The City requires that the vendor have extensive experience in this field to ensure effective project management to complete this large scale project.

Policy

The City's Strategic Plan identifies "Living Green" as one of the five pillars making up the vision for the City. This plan identifies measures to help protect the natural environment despite the growth and development of the City over time. A key component to achieving this will be to mitigate the impact of these insects on the tree canopy and resulting defoliation if left unchecked.

2.0 Project Purpose

The purpose of this project is to provide urban residential aerial spray services to very specific and targeted areas and these services should include route planning, drift modelling and project management to provide support in ensuring proper site security and permits are in place.

In order to meet this objective, Parks and Forestry is seeking a qualified urban residential aerial spray service to mitigate the impact of these insects through the use of a *Bacillus thuringiensis* (Btk) spray program.

3.0 Project Scope

The following anticipated scope of work breakdown is required, but not limited to:

- The Contractor shall provide urban residential aerial spray services to very specific and targeted locations, approximately 3322 hectares (8209 acres) in the City of Mississauga.
- The Contractor shall use *Bacillus thuringiensis* (Btk) in severely defoliated areas as determined by the City to mitigate the impact to the tree canopy.
- The Contractor shall review all background information and data to assist the City in determining specific routes and modelling the flight plan and drift models.
- The Contractor shall provide Project Management support to coordinate any additional requirements related to security, permits and data analysis related to aerial spray.
- The Contractor shall be available to provide these services in spring of 2022, weather dependent.

4.0 Timeline

Due to seasonal requirements the urban residential aerial spray would take place in early spring of 2022.

Contractor services would be required commencing in fall 2021 to begin preparing for the spray service.