



# DOYLE DRIVE SUSTAINABILITY PROGRAM UPDATE

June 2010



A sustainability program is being developed to incorporate sustainable principles throughout the design and implementation of the Doyle Drive project. This effort supports the interests of the community and the aspiration to ensure the project upholds high standards of environmental stewardship.

Phase I of the Doyle Drive Project Sustainability Program was completed in December 2007, and included the development of a vision statement, guiding principles, sustainability goals and a list of potential sustainability strategies for the project in the areas of water, energy, habitat, landscape, community, and materials and waste.

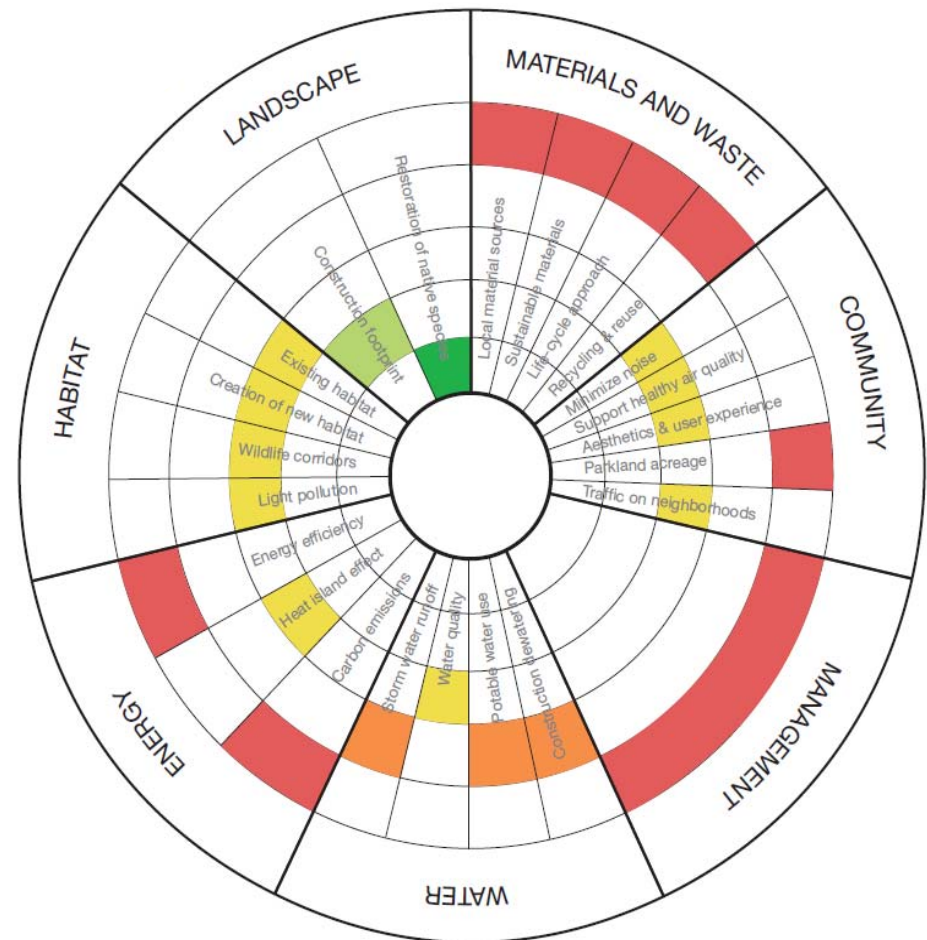
Phase II of the Sustainability Program included a gap analysis to assess the current sustainability performance of the project, report on measures that are currently being undertaken, and identify priority areas for further analysis.

The sustainability framework used as the basis of the appraisal was developed in close collaboration with project stakeholders.

For each sustainability goal, the current performance of the project was rated between 1 and 5 using the following scale:

- 1 Achieving regulatory compliance or minimum required
- 2 Currently considering doing more than minimum required
- 3 Achieving over minimum required (i.e. good practice)
- 4 Considering best practice measures
- 5 Committed to achieving best practice

Based on this scale, the findings of the current sustainability performance of the project have been illustrated for each sustainability goal in the diagram below.





# DOYLE DRIVE SUSTAINABILITY PROGRAM UPDATE

June 2010



## The project is performing well in addressing the sustainability goals in the areas of water, habitat, landscape and community.

In these areas the project has already committed to a broad range of measures to reduce its adverse effect on the environment and increase its opportunities for sustainable design and construction. These measures include:

- Incorporating numerous sustainability principles into design elements of the new facility, including minimization of the roadway footprint while following the natural contours of the land, providing a landscaped median, minimization of fugitive light, and inclusion of tunnel segments which help reduce noise, enhance aesthetics, improve connectivity within the park and create new open space;
- Including storm water management facilities to improve water quality;
- Recycling all material from removed trees off-site for future use as lumber, mulch, and biofuel;
- Salvaging and reusing materials from historic buildings scheduled to be removed;
- Implementing a landscape management plan to use native seeds for future vegetation restoration; and
- Developing an environmental commitment tracking database.

The findings from the gap analysis provide a focus for the remainder of the Sustainability Program. A number of high priority areas were flagged for further consideration; these were areas that had not yet been considered by the project but have significant potential to improve sustainability performance.

## Priority areas included energy and carbon, materials and waste, and management.

An Outline Implementation Plan was developed to identify key activities, responsibilities, timeline and estimated resources involved in taking the high priority strategies forward. Key activities in the Outline Implementation Plan include:

- **Developing a greenhouse gas emissions (GHG) reduction strategy** – this would identify significant sources of GHG emissions, identify GHG reduction targets, and recommend the most effective and feasible measures to achieve these.
- **Developing a materials and resources strategy** – this would outline an approach to the selection of materials that considers sustainability criteria (such as resource efficiency, responsible sourcing, embodied impacts and healthy materials) alongside technical, functional and cost criteria.
- **Creating a project-specific construction waste management plan** – this would include targets for reuse and recycling, recommendations for achieving these targets, and mechanisms to track and evaluate progress against these targets.
- **Enhancing the existing environmental commitment database** to incorporate sustainability strategies and mechanisms for tracking and reporting on sustainable performance.
- **Seeking recognition for the project from a national-level program** or certification scheme such as the Green Highways Partnership Rewards Program and/or the GreenRoads Rating Scheme.

