INTRODUCTION OF GREENPAVE

- A simplified rating system based on LEED and GreenRoads, but customized for Ontario, with a focus on pavement components
- A tool to raise awareness of sustainable technologies and processes
- The goal is to enhance the sustainability of Ontario’s transportation infrastructure through designing and selecting sustainable pavement treatment alternatives

GreenPave consists of two components:
- Design: Provide guidance to designers to select “green” pavement alternatives
- Construction: Encourage contractors to incorporate “green” practices

Category Goal Points

- **Pavement Design Technologies** To optimize sustainable designs. These include long life pavements, permeable pavements, noise mitigating pavements, and pavements that minimize the heat island effect 9
- **Materials & Resources** To optimize the use/reuse of recycled materials and to minimize material transportation distances 11
- **Energy & Atmosphere** To minimize energy consumption and GHG emissions 8
- **Innovation & Design Process** To recognize innovation and exemplary efforts made to foster sustainable pavement designs 4

Maximum Total: 32

CONCLUSIONS & RECOMMENDATIONS

- GreenPave has been implemented internally. The next phase is to officially roll out to consultants, industry and stakeholders by developing workshops, seminars and training sessions to promote GreenPave
- To date we have evaluated 64 pavement design projects and 25 of which were GreenPave certified (~40% GreenPave certified)
- Recommend setting a target to obtain a specified number of green pavement certified designs per year
- Explore opportunities to expand the MTO GreenPave model to incorporate other highway design components