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## King Edward Avenue at Rideau Street Intersection Modifications City of Ottawa

This project involved the modification of the King Edward Ave./Rideau Street intersection to improve pedestrian safety and vehicular traffic movements. Several alternative design concepts were developed for presentation to the public, transportation committee and council. Public Open Houses were held to present the various options and to obtain input regarding the proposed designs.

The proposed modification of the King Edward Avenue and Rideau Street intersection, considered the 'gateway' to the Provinces, generated considerable public interest. Several design iterations were required to obtain a solution which addressed the concerns of all the stakeholders. Since King Edward Avenue is the major connection route between Ottawa and the province of Quebec, the intersection has one of the highest large truck-traffic volumes in the city. The finalized preferred design included traffic signal upgrades, geometry modifications, traffic-calming measures, landscaping and drainage improvements. The Ainley Group provided pre-engineering surveys and base plan preparation, public presentation concept drawings, detailed design, phasing/staging drawings, contract tender documentation and cost estimates.

### Project Facts

**Client:** Regional Municipality of Ottawa-Carleton

### Scope of Work:

- Pre-engineering surveys
- Preliminary design
- Alternative design concepts
- Detailed design
- Public Open Houses
- Cost estimates
- Contract documentation.

### Key Design Criteria:

- Traffic signal upgrades
- Geometry modifications
- Traffic calming measures
- Landscaping
- Drainage improvements.

**Construction Cost:** \$265,000  
(2000)