

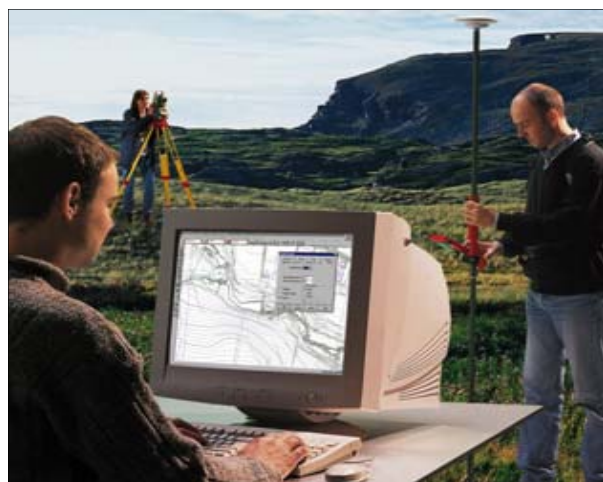
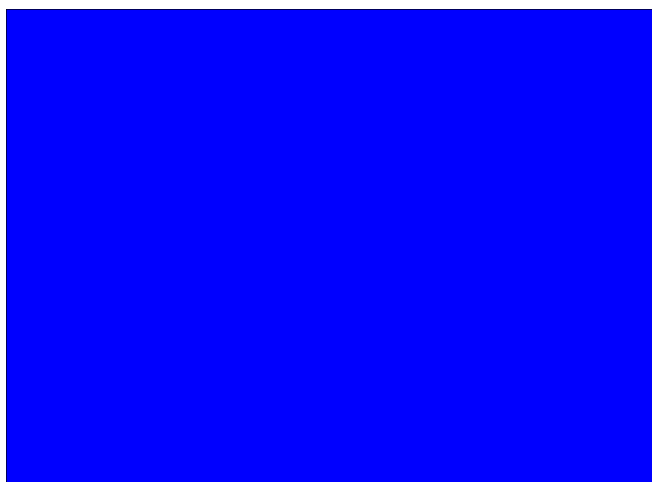
Engage Professional Surveyors To Build Geospatial Infrastructure



Ref: 2009—003



Recommendations for Municipalities



Association of Ontario Land Surveyors

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The Challenge

Building an Effective Geospatial Infrastructure

The Governing Council of the Association of Ontario Land Surveyors (AOLS) recognizes that many municipalities do not adequately plan for the orderly development of spatial data infrastructure. The foundation of an effective spatial data infrastructure includes (but is not limited to): identifying, protecting and managing key benchmarks; control and boundary survey monuments and their coordinate values; and understanding the limitations of spatial information shown on architectural, planning and engineering records, CADD drawings and parcel mapping networks.

Municipalities Should Engage a Professional Surveyor to Assist with the Design, Development and Maintenance of Geospatial Infrastructure

Municipalities should engage the services of a professional surveyor for the efficient and effective design, development and maintenance of its geospatial infrastructure.



Why Municipalities Would Benefit from Engaging Professional Surveyors in Geospatial Infrastructure Development

- ✦ Professional surveyors can serve as an important conduit between municipalities and the engineering, planning and systems development professionals in the design, development and maintenance of survey infrastructure.
- ✦ Professional surveyors are in a unique position to assemble, analyze and qualify mapping information, including street centreline and parcel mapping networks.
- ✦ Professional surveyors can provide professional opinions on minimizing costs for assembling, integrating, managing and maintaining geospatial information.



- ✦ Professional surveyors can provide advice on datums, coordinate system transformations and electronic formatting of plans to facilitate incorporation of the records into operations to ensure the plans result in a value-added asset of municipalities.
- ✦ Professional surveyors can provide professional opinions to ensure that benchmarks, survey and control monuments, owned by municipalities or marking municipal boundaries, are protected and available for use by municipalities and the public.
- ✦ Professional surveyors are held accountable for the reliability of the information provided to clients and third parties (such as a municipality), and are bound by a code of ethics set out in a regulation pursuant to the Surveyors Act.
- ✦ Professional surveyors are required to carry liability insurance. In addition, the public is further protected by the Public Protection Fund of the AOLS with respect to members engaged in boundary surveying.



Action

Contact a professional surveyor to advise on research and measurements required for developing municipal spatial data infrastructure.



Engage Professional Surveyors To Build Geospatial Infrastructure

Association of Ontario Land Surveyors:

The Association of Ontario Land Surveyors was formed to regulate the practice of professional land surveying and to govern its members so that the public interest may be served and protected.

The Association of Ontario Land Surveyors (AOLS) issues licences to Cadastral (Legal Boundary) Surveyors and Certificates of Registration (C of R) in Geodesy, Geographic Information Management, Hydrography and Photogrammetry. Applicants must comply with academic requirements, a Term of Articles and pass the professional examinations. All members are entitled to use the designation O.L.S. (Ontario Land Surveyor) or O.L.I.P. (Ontario Land Information Professional).

Many of the members of the Association of Ontario Land Surveyors are employed by municipalities and government agencies, and provide services to municipalities. Professional surveyors are in a position to identify practices that will improve the efficiency and effectiveness of municipal operations.



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Related Policies

Title and Reference Number:

1. Engage Professional Surveyors to Develop a Road Database 2009-007
2. Engage Professional Surveyors In Planning Act Approval Processes 2009-05

Revision Dates