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<b>Position:</b>	Data Analyst / Pavement Engineer
<b>Division:</b>	Data Services
<b>Reports to:</b>	Data Analysis Manager
<b>Works with:</b>	Data Services Management, Project Managers, Data Analysts, Software Developers, Software Testers, Engineering
<b>Remuneration:</b>	TBD

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Roadware Group Inc. is the world's leading roadway data collection firm, providing quality data on over 250,000 miles of roads annually. A fleet of high-tech vehicles drives a client's road network to analyze pavement condition and to inventory roadside assets (e.g. signs, guardrails, catch basins, etc). The collected data is processed at our Paris, Ontario office and delivered to our clients, who are state- and municipal-level departments of transportation, so that they can make informed infrastructure maintenance and investment decisions.

The successful candidate will be an important member of Roadware's Data Analysis department, having responsibility for analysing and processing collected roadway data for delivery to clients, applying problem-solving skills to project challenges, liaising with clients, recognizing opportunities for process improvement, recommending changes to existing workflows, and communicating needs to software developers. Roadware's fast-paced and dynamic environment provides many opportunities for motivated individuals to get involved and to make a difference.

### Key Responsibilities

- Develop a thorough understanding of Roadware's data collection abilities, data processing procedures, and client needs
- Work closely with the project manager to provide exceptional service to our clients; communicate with clients on a regular basis for status updates and issue resolution
- Monitor incoming data for quality and consistency
- Match collected data with client road network information using proprietary Roadware software
- Analyse and process sensor data and digital images from the collection vehicles for delivery to clients, using Roadware software tools and other industry-standard software
- Analyse pavement distress and asset data from other internal departments and provide feedback on quality and consistency

- Develop customized data deliveries for clients
- Collaborate with other analysts, engineers, and software developers to recommend changes to current products and processing tools
- Exercise judgment and resourcefulness in identifying and resolving complex problems, modifying plans as conditions change, and either developing recommendations or making decisions
- Write project reports to summarize analysis findings
- Prepare and conduct internal presentations to inform colleagues of product enhancements and analysis results
- Visit clients on-site throughout North America as required for project meetings (est. 2-5 trips per year).
- Attend industry conferences as required on behalf of the company
- Data analysis experience with tools like MATLAB or Octave would be an asset
- GIS experience and knowledge of relevant software like ESRI's ArcMap would be an asset
- Software development skills are not required, but C#/.NET skills would be an asset (analysts may have the opportunity to develop software modules in cooperation with our developers)
- Strong teamwork skills including motivation, negotiation, and issue resolution
- Excellent verbal and written communications skills, and the ability to obtain buy-in for ideas
- Pavement management knowledge would be an asset
- Previous consulting experience would be an asset
- Engineering, math, computer science, or similar technical degree
- Career ambition and the desire to make a difference
- 0-5 years of relevant experience

### Skill Requirements

- Excellent problem solving ability, process analysis skills, and proven data analysis skills
- Strong computer skills and fluency with standard office applications
- Understanding of pavement design, construction, and deterioration would be an asset

Please submit salary as well as total compensation expectations along with a resume and cover letter in Word format via email to [mnieminen@roadware.com](mailto:mnieminen@roadware.com). We thank all applicants in advance for responding; however only those selected for further consideration will be contacted.