Arlington, Tennessee — Pavement Condition Assessment Dashboard

Data collection | Data Processing | Quality Assurance | Data Analysis | Expert Support

From Reactive to Proactive: Arlington's Pavement Management Success

Arlington, Tennessee, knew that improving their roadway network required a new approach. Here's how partnering with PMG made a difference.

Background

The Town of Arlington, Tennessee, faced growing challenges in managing its 88 mile road infrastructure. Without a solid method to assess road conditions and determine appropriate treatments, the Public Works Department struggled to create a comprehensive long-term maintenance plan. The absence of data-driven strategies led to reactive decisions based on immediate needs rather than a proactive approach to preserve the town's road network.

Challenge

Arlington's Public Works team described their situation as "flying by the seat of our pants." They lacked a clear overview of the town's pavement conditions, which made it difficult to prioritize maintenance projects effectively.
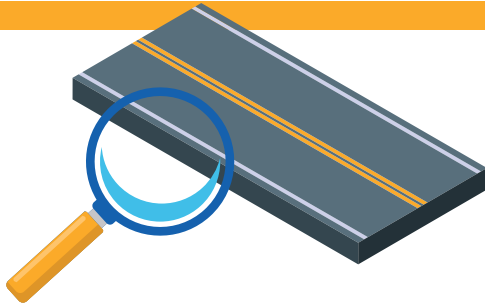
The absence of a systematic approach resulted in inconsistent treatments, inefficient budget allocation, and uncertainty about the long-term condition of the roads

PMG's Solution

Arlington's turning point came when Public Works Director Terry Perkins attended an APWA meeting where James, The CEO of PMG presented on asphalt management. Inspired, Terry partnered with PMG, implementing the RoadINsights platform to shift from reactive maintenance to a proactive, data-driven pavement management strategy.

Key Features of PMG's Solution

1. Comprehensive Road Inventory: PMG provided a detailed inventory, breaking down the road network into logical sections. Each section was documented with high-definition video footage, enabling clear visual assessments that are easy to look at.

2. Pavement Condition Index (PCI) Scores: The system assigned PCI scores to every road section, along with an overall network score. This objective data provided a clear picture of current conditions and helped Arlington prioritize maintenance efforts.

3. Tailored Treatment Recommendations: PMG emphasized the importance of "the right treatment for the right road at the right time," considering budget constraints while maximizing pavement lifespan.

4. Data-Driven Decision Making: With the RoadINsights platform, Arlington could scientifically assess road conditions, allowing the town to prioritize repairs based on real data rather than guesswork. This approach led to more strategic decisions, maximizing resources and ensuring the most efficient use of the maintenance budget.

Results

The partnership between Arlington and PMG led to significant improvements with the town's infrastructure:

- Improved Roadway Network: Utilizing the PCI data and treatment recommendations from PMG, the town has seen a significant improvement in road conditions, with smoother surfaces and fewer maintenance issues.

★★★★★

Working with PMG has been a great experience. Their team is fully invested in our success, and their data-driven approach has transformed how we manage our roads. We've seen improvements in PCI scores, cost savings, and public satisfaction. PMG is more than a vendor—they're a true partner.

- Terry Perkins
Public Works Director, Town of Arlington

- Cost Savings: By adopting a scientific approach to pavement management, Arlington optimized its budget, reducing unnecessary expenses and focusing on preservation.

- Positive Public Feedback: Residents have responded positively to the visible improvements in road quality since PMG began partnering with the town, enhancing public confidence in the town's infrastructure management.

Long Term Benefits

- Sustained PCI Improvement: Ongoing data analysis and preventive treatments will continue to further enhance road conditions.

- Lower Maintenance Costs: A proactive focus on preservation will significantly reduce the need for costly repairs like milling and paving in the future.

- Strategic Planning: The town now has a roadmap for future maintenance, ensuring long-term sustainability and efficient use of taxpayer dollars.

Arlington's success story demonstrates the transformative power of data-driven pavement management. PMG's comprehensive solutions help municipalities like Arlington, Tennessee optimize road conditions, reduce costs, and build public trust. If you're looking to improve your city's infrastructure, PMG is ready to help you achieve similar results.

James Golden
Founder and CEO
James@PavementManagement.com