

Quotation for Professional Services



To: Michael Anderson, Director of Public Works

Date: January 19, 2015

From: Zac Thomason, MBA, National Manager of Client Services

Project: Powder Springs, GA

Subject: 2015 Pavement Data Collection

Project No: N/A

Thank you for taking the time to review the pavement and asset data collection services offered by IMS Infrastructure Management Services. IMS excels in pavement and asset management solutions and can provide a full suite of data collection and software services.

As we understand, the City of Powder Springs currently maintains approximately 70 centerline miles of roadway and does not use a dedicated pavement management application. IMS collects all data in accordance with the U.S. Army Corps of Engineers data protocols, commonly referred to as ASTM D6433. In addition, we deliver all data in industry standard formats such as Excel, Access, Geodatabases, shape, and even Google Earth KMZ files.

The Laser Road Surface Tester (RST) surveys arterial and collector routes in two passes, resulting in an approximate test mileage of 85.

Our approach, and key service differentiator, is based on three, time proven fundamentals:

Answer the questions that are being asked – don't over-engineer the system or make it needlessly complicated. Databases and the application of technology are meant to simplify asset management, not make it more difficult.

Service and quality are paramount to success – the right blend of technically correct data, condition rating, and reporting will provide the agency with a long-term, stable solution. Service to the client remains our top priority.

Local control and communications are key – it is important that all stakeholders understand the impacts of their decisions and have the system outputs react accordingly. We excel in making ourselves readily available.

Services we can offer the City of Powder Springs include:

- ◀ Objective roadway performance data collection including a full suite of surface distresses.
- ◀ Right of way asset data collection with digital image and GPS coordinate data collection.
- ◀ Provision of robust software solutions and an advanced knowledge of 3rd party applications.



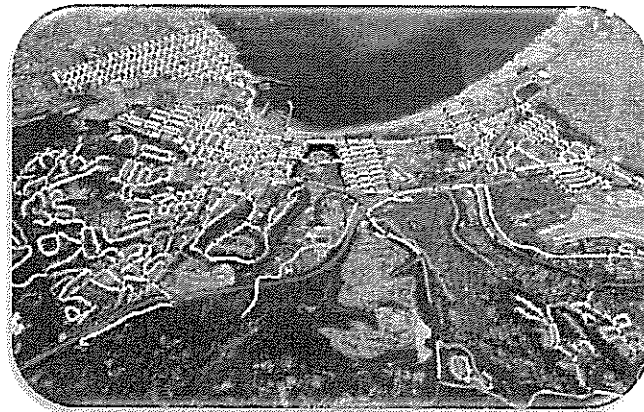
Data Collection

IMS is unique to the industry, as an objective and repeatable data collection effort will be completed. The Laser RST will be used to perform a surface condition assessment of all City streets. Instead of using the subjective feet on ground or windshield sampling method, all data will be collected continuously and recorded in 100-foot intervals in the form of a detailed database complete with GPS coordinates. The data will also be aggregated to the section level, following the sectioning and referencing methodology determined after IMS and City review.



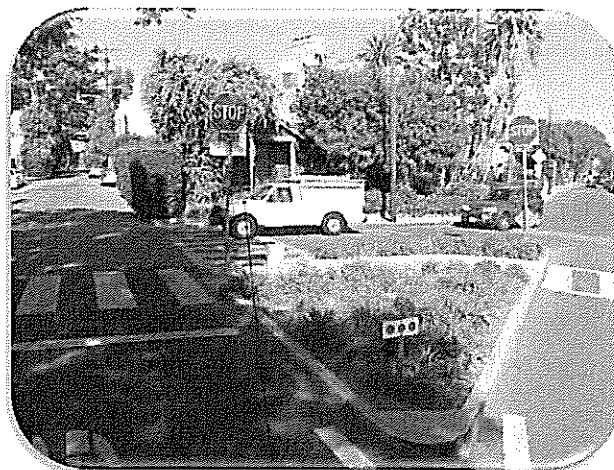
GIS and Pavement Management Linkage

The role of GIS in pavement management cannot be overstated. It is a powerful tool that provides the capability to handle and present vast amounts of data in an efficient manner. IMS can provide a link between the City's GIS program and the pavement management data to enable the City to display and generate color-coded maps based upon existing pavement conditions, street rehabilitation plans or most of the data in the pavement management program. An output of such a plot is illustrated in the adjacent image.



Provision of Video & Digital Images

In conjunction with the surface condition survey, each test section is recorded on digital video with a forward-facing digital camera and used as part of the IMS Quality Control and Quality Assurance procedures. Additional cameras can be mounted to expand the viewing area or to include right of way asset features of special interest to the City. IMS can provide digital images at specified intervals (e.g. 10', 25' or 50') for viewing in selected third party software, and/or through the City's GIS.



**City of Powder Springs
Pavement Data Collection**

Proposed Project Budget

The detailed budget presented below is based on the IMS work plan and deliverables. It represents a realistic budget to complete the work, and we are confident we can maintain an on-time, on-budget approach to the assignment.

Powder Springs - Pavement Data Collection

Task	Activity	Quant	Units	Unit Rate	Total
Project Initiation					
1	Project Initiation	1	LS	\$2,750.00	\$2,750.00
2	Network Referencing & GIS Linkage	85	T-Mi	\$25.00	\$2,125.00
Field Surveys					
3	RST Mobilization/Calibration	1	LS	\$3,500.00	\$3,500.00
4	RST Field Data Collection - Pavements	85	T-Mi	\$120.00	\$10,200.00
5	Dynaflect Mobilization	1	LS	\$2,500.00	\$2,500.00
6	Deflection Testing (Major Roadways-2 passes)	50	T-Mi	\$130.00	\$6,500.00
Data Management					
7	RST - Data QA/QC, Processing, Format, & Supply (Excel; Shapefile; KML)	85	T-Mi	\$30.00	\$2,550.00
8	Provision of Digital Images at 25-foot Intervals (Per View)	85	T-Mi	\$15.00	\$1,275.00
9	Pavement Analysis, Budget Development, & Report	1	LS	\$8,000.00	\$8,000.00
10	Project Management	1	LS	\$2,955.00	\$2,955.00
Project Total:					\$42,355.00

Supplemental Activities:

11	Council Presentation	1	LS	\$3,500.00	\$3,500.00
12	Web Hosted Digital Image Viewer	1	LS	\$6,000.00	\$6,000.00
13	Asset Data Collection (GPS & ROW Imagery)	85	T-Mi	\$25.00	\$2,125.00
	a. Sidewalk Database Development	85	T-Mi	\$55.00	\$4,675.00
	b. Curb & Gutter Database Development	85	T-Mi	\$50.00	\$4,250.00
	c. Sign & Support Database Development	85	T-Mi	\$95.00	\$8,075.00
	d. ADA Ramp Database Development	85	T-Mi	\$60.00	\$5,100.00
	e. Pavement Striping Database (Linear Features)	85	T-Mi	\$45.00	\$3,825.00
	f. Pavement Markings Database Development (Point Features)	85	T-Mi	\$45.00	\$3,825.00
14	Pavement Management Software Implementation	1	LS		\$10,000 - \$25,000

Thank you for considering IMS as a viable solution to your pavement management needs and we will strive to become an asset and extension of the City of Powder Springs staff and team. If any questions arise, please do not hesitate to contact me at (480) 839-4347 or zthomason@ims-rst.com.

Best Regards,

IMS Infrastructure Management Services



Zac Thomason, MBA

National Manager of Client Services

