

City of Pocatello, ID

The Quiet Revolution

PROJECT DETAILS

Organizations that currently use Stantec's Integrated Infrastructure Management System (IIMS) have the option to convert to the gbaMS suite of software products. gbaMS Implementation Engineers are familiar with the Stantec IIMS product and provide data conversion services to import IIMS data in the gbaMS suite of products.

The agency benefits because they can choose to implement additional modules and functionalities not found in the IIMS software collection. Some of the software modules readily available during implementation include planning and budgeting, mobile applications for work order management, CCTV import utilities for a wide variety of CCTV vendors, integrated inventory and modules specific to GBA Water Master such as Backflow Preventer, Storage, Supplies and Pumps. In addition to this abbreviated list of additional modules, organizations can choose to implement additional programs included in the gbaMS suite of software products including *GBA Warehouse Master*®, *GBA Tree Master*®, and *GBA Parks Master*® to name a few.

The City of Pocatello, Idaho recently migrated from IIMS to the gbaMS suite of infrastructure management software. The city chose to convert data for water, sanitary sewer and wastewater assets. Although the city was presented with a variety of software options, they chose gbaMS

POPULATION: 51,466

INITIAL INSTALLATION: 2004

INSTALLED SOFTWARE:

- GBA Sewer Master*®
- GBA Street Master*®
- GBA Water Master*®
- GBA Work Master*®
- GBA Mobile Work Master*™
- GBA Warehouse Master*®
- GBA Equipment Master*®
- GBA GIS Manager*®
- GBA GIS Analyst*™
- GBA Water Toolkit*™
- GBA Sewer Toolkit*™
- External TV Import Utility

IN PARTNERSHIP WITH:



Pocatello's Technology Revolution

The City uses a custom-written program for maintenance management and begins digitizing their maps with ACAD drawings for water assets using existing as-builts and related documents. Their custom-designed maintenance management program cannot interface with the ACAD maps.

The City completes digital mapping of water assets. They turn their attention to sanitary sewer assets and discover its maps and records are incomplete.

The City contracts with EMS to complete the sewer mapping project.

The City decides to migrate to more advanced software applications. They choose to implement Stantec's IIMS for tracking asset maintenance and work order history. The IIMS enables a graphical interface to combine asset data and visual analysis with a GIS.

To complete the migration to the IIMS, ACAD asset information from completed maps was bundled and purged through a Utility Mapping Server also developed by EMS. The IIMS could now interface with ACAD files and with ESRI's ArcGIS products.

The IIMS user interface becomes outdated. Stantec shifts its focus from software to asset management implementation.

Stantec partners with gbaMS to provide software solutions to their existing clients, including Pocatello. A high level of integration exists between the City's ACAD drawings, the GBA Master Series databases, ESRI's ArcGIS products, and HYDRA software to model conveyance for sanitary sewer, wastewater, and water systems.

1995

1996-1997

1997-2003

2004

because of its open architecture database design, its functionality and proven integration with an array of complementary GIS products including ESRI's ArcGIS products, work order functionality, and an up-to-date user interface.

"The gbaMS software is a welcome change," said Dennis Hill, GIS Coordinator for the City of Pocatello.

Pocatello is a mountainous, turn-of-the-century railroad city established in the mid 1800's. Its history is as rich and vibrant as the landing surrounding it. Data conversion, which included work order history dating back to 1903, took place during the city's down time earlier this year.

"The expertise of our Implementation Engineer from gbaMS made our experience pleasant," Hill said. "Our conversion was quick because they had in-depth knowledge about converting data from one system to the other."

Mark Kramer, P.E., Senior Implementation Engineer for gbaMS, took the lead for converting the data by writing a series of customized scripts. After a preliminary test and review of data population in the newly implemented software, he received approval for complete migration of all data sources. The City chose not to enter work order data electronically while the conversion took place.

Once implementation and data conversion for the new system was complete, they simply entered current work orders to complete the process. "Approximately one month from completion of data conversion, the City went live with the new system," said Kevin Shipp, P.Eng., Region Manager for gbaMS. "This rapid implementation had positive cost implications for the City, which had to replace the existing system within tight financial constraints."

"We are excited about using the new software," Hill said. "This solution has provided us an economic means to track how efficiently we are maintaining our assets, add-on additional software as our plans require, but also to use GIS for work order management and problem solving."

"The GBA Master Series software is a welcome change." ~ Dennis Hill,
GIS Coordinator
City of Pocatello

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ABOUT GBA MASTER SERIES SOFTWARE:

The *GBA Master Series* Infrastructure Management Software provides integrated, off-the-shelf software solutions for public works asset management and facilities maintenance in a user-friendly, Windows®-driven format. Our applications are designed by civil engineers who understand the complexities and demands of your systems and operations. *GBA Master Series* enables you to organize asset information, optimize maintenance activities, and prioritize needed improvements. The software suite operates on a Microsoft Visual C++ platform utilizing Microsoft Access, Microsoft SQL Server or Oracle. Customization for unique client/server architecture provides efficiency for any size organization.

Available modules include water distribution, sewer, storm water, street, fleet and equipment, in addition to modules for maintenance management and customer complaint tracking. All modules can integrate with *GBA GIS Master®*, an extension of ESRI's ArcGIS software.