



SPATIAL Information Times™



An Award-Winning, Software-Independent GIS/IT Consulting Firm

Volume 4 • Issue 5 • October 2004

ENHANCING SDDC'S IRRIS® TECHNOLOGY



GeoDecisions has been awarded a contract to enhance the Military Surface Deployment and Distribution Command's (SDDC's) version of IRRIS by improving worldwide geographic information system (GIS) and austere environment capabilities. To meet these requirements,

additional enhanced transportation layers will be made available via the interactive graphical user interface. In addition, a low-bandwidth ("lite") client rendition will provide geospatial mapping capabilities via an offline version of a geospatial information server for use with laptops, hand-held computers, personal digital assistants, and information appliances.

GEODECISIONS PRESENTS AT ESRI® CONFERENCE

The ESRI International User Conference was a success! GeoDecisions presented the following GIS topics at the conference:

- ✓ Project Safe Neighborhoods Mapping and Analysis Program - presented by Allison Price and Kevin Switala
- ✓ ArcView® Generalized Watershed Loading Function/ Non-Point Source Pollution Model for Spring Creek Watershed - presented by Dave Gilbert.

The ESRI conference took place Aug. 9-13 at the San Diego Convention Center.

Kevin Switala discusses the importance of law enforcement solutions.



Jon Pollack and Dave Dzikowski explain the benefits of IRRIS technology.



MESSAGE FROM THE PRESIDENT

GeoDecisions works hard to ensure our clients receive the highest quality service. To achieve this goal, we continue to develop internal standards and processes. Our most recent initiative includes the integration of our current Capability Maturity Model® (CMM) processes into the new International Organization for Standardization (ISO) program. We have always taken quality seriously and it has been fundamental to our success. The integration of CMM and ISO will take our company to new heights.

Robert M. Scaer, P.E.
President, GeoDecisions

PIETROPOLA SPEAKS AT TRB CONFERENCE

Tony Pietropola was chosen to speak on a panel regarding "Performance Measures to Improve Transportation Systems" at the Transportation Research Board (TRB) Conference. The conference was held in Irvine, Calif., in August.

The session, titled "Data and Tools Required to Support Decision-Making," was moderated by Sandy Straehl from the Montana Department of Transportation.

LOCAL GOVERNMENT HIGHLIGHTS

WESTMORELAND REVAMPS PARCEL EDITING

GeoDecisions has worked with Westmoreland County since 1996 on various projects, including building its ArcMacro Language-based GIS parcel editing system in 1997. The latest project includes migrating the existing data and tools to an ArcSDE™/SQL Server geodatabase environment using NovalIS Technologies® Parcel Editor. A carefully outlined strategy was designed using a phased approach for project implementation. This will allow the tax mappers, who maintain 168,000 parcels, to continue their day-to-day operations without interruption.

Along with this system upgrade to the latest ESRI technologies, GeoDecisions is rectifying/re-digi-

tizing the County parcels to newly acquired orthophotography.

GEOPLAN - A MUNICIPAL MANAGEMENT SOLUTION

GeoPlan™ municipal management software, developed by Regional Planning Technologies (RPT), helps municipalities perform their daily tasks more efficiently. GeoDecisions, in partnership with RPT, supports more than 20 different GeoPlan clients, providing implementation, technical on-site and on-call support, GeoPlan customization, data development, and training. GeoPlan functionality includes parcel management, permitting, code enforcement, and sanitary sewer maintenance. With built-in GIS mapping tied directly to the parcel data, municipal employees are able to

geographically select areas of the municipality for items like mass mailings, which in the past could take a full day. GeoPlan has proven to be a great tool for local government entities, as it improves the efficiency of their services immensely.

GeoPlan has demonstrated the power of geospatial technology in improving government services. Due to this success, GeoDecisions is working with our clients to provide additional services, including sanitary sewer manhole inspections, global positioning system collection, ArcIMS® applications, and GeoDecisions® Crime Analysis Mapping System™ projects, as well as a variety of GIS layer design, maintenance, and mapping.

TRANSPORTATION HIGHLIGHTS

HPMS CONSOLE PRESENTATION

Jay Adams, the assistant planning and research division manager for the Oklahoma Department of Transportation (ODOT), recently presented the Highway Performance Monitoring System (HPMS) Console at the International Highway Engineering Exchange Program (IHEEP) Conference.



The HPMS Console presents the user with an interactive interface for developing the HPMS submittal that each DOT must provide to the Federal Highway Administration (FHWA) every

year. It was developed as part of GeoDecisions' Geographical Resource Intranet Portal (GRIP) project with ODOT. Jay did another fine job of explaining both the functionality and the benefits of the application. Many thanks to Jay!

HPMS STUDY

The FHWA has chosen the team of GeoDecisions and Parsons-Brinckerhoff to define the requirements for developing a GIS-enabled application for viewing and analyzing HPMS data that is received from each state DOT. As part of the study, the GeoDecisions team will be contacting various states, as directed by FHWA, to gather their input on improving the HPMS analysis and submittal process.

NJ TRANSIT BUS STOP APPLICATION

GeoDecisions has initiated work with New Jersey Transit to enhance and update the Bus Stop/Pattern Data Processing application that GeoDecisions completed earlier this year. This application allows users to calculate the location of bus stops along bus patterns.

PERSONNEL NEWS

NEW HIRES

Glen Butler (Dover)
Senior Developer

Li Luo (Dover) Developer

Ric Johnson (Camp Hill)
Development Manager

Jason Gleason (Pittsburgh)
GIS Analyst