

Project Profile

Prince George's County Police
Department
Hyattsville, MD

Project Summary

The Prince George's County Police Department has over 950 patrol cars and various other support vehicles. They also have two MD500 patrol helicopters. The project provided a mobile Geographic Information System (GIS) mapping solution for the patrol vehicles and helicopters. The integration of MetaMAP's mobile GIS capability was part of a complete mobile technology project in which ARINC of Annapolis, MD was the prime contractor.



Project Highlights

In-Car Mapping – All vehicles have virtually the entire county's GIS database at their disposal. This includes streets, roads, parcels, contours, water features, drainage, various boundaries – a total of over 50 layers. In addition, the users can overlay the vector mapping data on the county's aerial photography, allowing the patrol officers to “look” into back yards before leaving their vehicles.

CAD Interface – MetaVUE interfaces with the Computer Aided Dispatch (CAD) system in each vehicle. When a call is selected, the mapping system automatically performs an address match and displays the target address on the screen relative to the vehicle's current position.



Airborne Mapping – A special airborne user interface was developed for use in the department's helicopters. The system effectively puts addresses on every parcel so they can readily be identified from the air.



GPS Interface – The system is interfaced with a GPS in each vehicle and aircraft, which allows the user to observe their position as well as any searched locations they are approaching. After a selected location is entered, the system is “hands off,” zooming in automatically as the destination is approached. At night, officers can drive down a street with no headlights and know the address of each location as they pass.



Custom Map Display – The user interface and database design were customized for the particular tasks performed by the users. The user interface design means the product is intuitive enough that minimal training is

needed. All of the display colors and various feature labeling is customized for use in the mobile application, so the map is legible at all display levels.

Contact Information

Sgt. Dan Sheffield
Prince George’s County Police Department
4923 43rd Avenue
Hyattsville, MD 20781
phone – 301-985-3665
email – dtsheffield@co.pg.md.us
web – www.goprincegeorgescounty.com

Amy Reedy
ARINC
2551 Riva Road
Annapolis, MD 21401
phone – 410-266-4955
email – areedy@arinc.com
web – www.arinc.com

Don C. Morgan
MetaMAP, Inc.
Post Office Box 910568
Lexington, KY 40591-0568
phone – 859-223-7651
email – dmorgan@metamap.com
web – www.metamap.com

