

# Report•BEAM™

FIELD-BASED REPORTING SYSTEM





## OVERVIEW: HOW REPORTBEAM WORKS

### 1 Fill In Report

- **Complete All Your Forms Electronically:** Officers can quickly complete an exact electronic replica of all of their forms. The form can be filled in quickly and completely the first time with advanced validation and dropdown boxes. No additional data entry work is required. The officer can complete the form on their laptop (with or without network access).
- **Add Crash/Crime Scene Diagram:** With integrated diagramming, officers can add conceptual diagrams to reports in a matter of minutes using SmartRoads, the #1 diagramming software in North America.
- **Submit the Completed Report:** With the report completed, it is transmitted to a centralized database for further review or archiving.
- **Mobile Client Integration:** ReportBeam seamlessly integrates with any mobile client, allowing officers to import returns from vehicle registration or driver's license queries into any form.

### 2 Manage Reports

- **Approval / Rejection Workflow:** Once the report has been successfully transferred to the centralized database, supervisors can review the reports for completeness and accuracy. To help speed up the approval process notes can be added to a report to provide feedback between officers and supervisors.
- **Instant Report Access:** Search for reports by report number, name, location, etc. The ReportBeam system not only makes the desired data instantly available, it also makes it easy to find and navigate related reports.
- **Report History/Paper Trail:** Every report has a paper trail that contains a detailed list of everyone who created, accessed and modified a report. The audit trail makes it easy to track report corrections in a timely manner.

### 3 Analyze Your Data

- **Instant Data Availability:** Instant access to a location-based analysis system allows supervisors and decision makers to quickly establish causes of incidents.
- **Creating Safer Communities:** Police or city managers with access can request a variety of reports, including an instant map or satellite view of a community showing incident locations over any time range. ReportBeam compiles statistical information flagging areas of high incidents in a community.
- **Save Time:** Reduction of time-consuming paperwork allows human resources to be allocated to more important tasks.

### 4 Sell & Distribute Reports

- **Online Distribution:** As an added benefit for your agency, ReportBeam can handle the distribution of reports to the public, lawyers, and insurance adjusters. The E-Commerce module allows interested parties to search for reports based on specific criteria and then purchase an electronic copy of the report immediately online without going to the department. Instant access to report data ensures accurate and efficient data distribution as well as the elimination of time consuming paperwork.
- **Electronic data transfer to RMS/Court:** Data from any of the electronic forms can be transferred to Record Management Systems, Court Case Management Systems, or any other back-end database utilizing the APS SmartExport™ application. This reduces duplicate data entry, saves resources, and helps to eliminate costly errors. Imagine information entered in a single report being transparently and seamlessly transferred through all data systems.

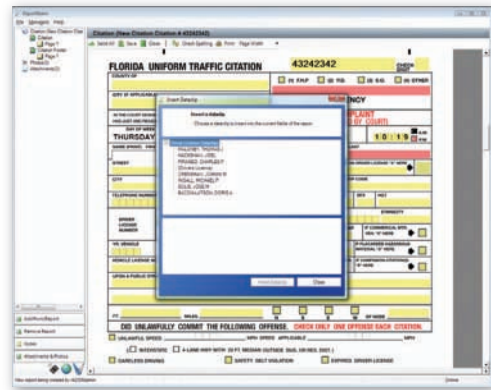
“The product was installed and the officers all enjoy the program, and say it is 100% better than the accident report system we had before. With all the companies we have dealt with over the years for our computer programs, APS has been the best in customer service and in working with the customers to obtain the best result from the program.”

— Major Tony Strianese  
Delray Beach Police Department

## ELECTRONIC REPORTING: PROFESSIONAL & ACCURATE REPORTS IN MINUTES

ReportBeam provides a complete reporting system for any public safety agency. Any report form is completed using our ReportBeam software and SmartRoads diagramming tool. Once completed, the data can be transmitted to the centralized document management system.

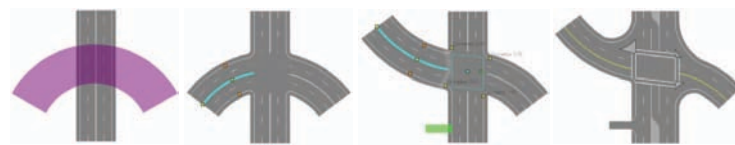
- **No Learning Necessary:** ReportBeam provides an exact replica of your existing reports. There is no need to learn a new or different format. Automatic dropdown lists allow for completion in record time. Crisp and clear printing makes illegible handwriting a thing of the past.
- **Mobile Client Integration:** ReportBeam seamlessly integrates with any mobile client, allowing officers to import returns from vehicle registration or driver's license queries into any form.
- **Advanced Validation:** Stop costly and time-consuming report errors at the source. ReportBeam contains several customizable data validation techniques to ensure the report is filled out completely and correctly the first time. ReportBeam also provides an easy-to-use spell-checking feature and a location verification module to ensure the report is professional and easily shown on a city map.
- **Electronic Version of Any Form:** With ReportBeam, officers no longer have to complete forms manually. The system contains electronic replicas of all your agency's forms, allowing the officer to quickly and accurately fill in the data fields. Sample forms include: incident reports, electronic traffic citations, parking citations, DUI packets, arrest reports, crash diagramming, alarm forms, warnings, daily logs, tow slips, and racial profiling forms.
- **Integrated Crash/Crime/Incident Diagramming:** SmartRoads has the most advanced intelligence programmed into any drawing program! It allows the user to drop roadways on a scene and let SmartRoads assist in creating accurate road diagrams or crime scenes. Diagrams can be completed in seconds with incredible precision and all diagrams integrate to reporting applications in any format required.



“Being able to use the ReportBeam form has drastically improved the appearance of our reports and made them considerably more professional. The staff at APS has been great and always provided us with outstanding technical support and service.”

— Chief William McCollum  
Tequesta Police Department

### Easy-to-Use Diagramming Engine

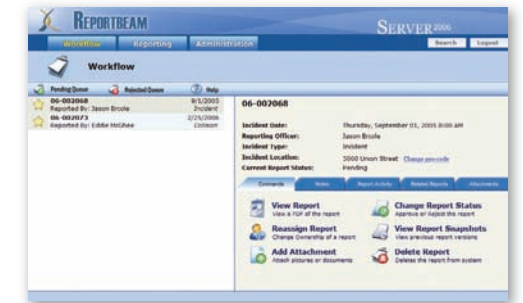


- Step 1 Place roadways
- Step 2 Adjust/position road legs
- Step 3 Add/adjust road elements
- Simply drag and drop your roadways and intersections into place and you are done!



## WORKFLOW & MANAGEMENT SERVICES: ACCURATE & UP-TO-DATE INFORMATION

- **Approval/Rejection System:** Once the report has been successfully transferred to the centralized database, supervisors can review the reports for completeness and accuracy. Feedback between supervisors and officers about a report can be provided by adding notes. This can help speed up the approval process and get data from the report into your community's statistics for analysis. Additional document services include a transaction audit log to show anything and everything done to a particular report. Quickly see when the report was submitted, who viewed the report, and who approved the report.



## REPORTING & ANALYSIS

ReportBeam provides police or city managers with a wide range of reports, including an instant map view of the community showing incident locations over any time period.

- **Find Out Where, Why and More:** Timely access to data saves lives. ReportBeam puts you in control – simply choose the time frame and factors. Supervisors and chiefs have instant access to reports and map views showing incident locations, statistical trends, and officer activity. ReportBeam features a powerful, location-based analysis system to allow supervisors and decision makers to quickly drill down to locate high-incident locations or other hot spots within their community.
- **Mapping Services:** A built-in mapping engine is provided with the standard ReportBeam system. In addition, ReportBeam can be integrated with city engineering map data. ReportBeam provides the ability to view incidents instantly on a map, supplying a quick graphical view of where the trouble areas are.
- **Statistical Analysis:** The various reports (including general statistics) within ReportBeam provide the basis of creating focused, usable information for proactive policing. For example, a report can show an increase in criminal incidents between 2 A.M. and 4 A.M. at an intersection near a pub or bar. This information may lead to stepping up patrols during late night hours to stop offenders and save lives.

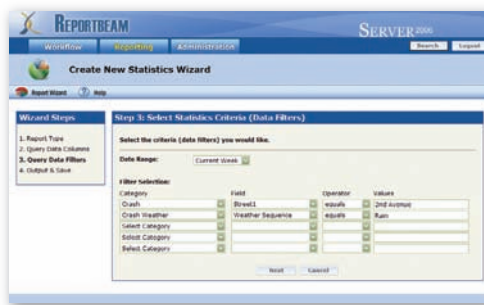


## ELECTRONIC DISTRIBUTION: INSTANT ACCESS TO REPORTS

- **Public Distribution:** For publicly available reports, ReportBeam comes equipped with an E-Commerce module to sell the reports online to the public, lawyers, and insurance adjusters.
- **State Submission Integration:** ReportBeam is capable of electronically submitting reports to state-level agencies (subject to state availability).

## REPORTBEAM EXPANDABILITY OPTIONS

- **Build Your Own Report (Ad-Hoc Reporting):** ReportBeam provides a powerful reporting wizard capable of creating ad-hoc (customized) reports and allowing the user to save the created report. For example, creating a report that allows the user to see what safety equipment was used in serious injury collisions can be accomplished in three quick steps. ReportBeam users can then quickly and seamlessly jump between chart, grid and map views to determine exactly what is happening within their community. The ability to export the data into other programs provides another tool to analyze the data.
- **Handheld eTicketing with PocketCitation™:** This is a complete electronic ticketing system that enables law enforcement officers to issue traffic citations utilizing a mobile handheld device. The PocketCitation system scans the traffic offender's driver's license and automatically populates the appropriate information into the citation. An officer completes the citation by selecting the vehicle information and applicable violations from dropdown menus. PocketCitation automatically populates the appropriate statute number, fine and court information, along with a state issued citation number.
- **Advanced Reconstruction:** Advanced crash and crime reconstructionists can also benefit from SmartRoads' (FX) advanced features and complete complex diagrams using total station measurements, linear momentum analyses, SMAC simulations and 3D Animations. FX is available in several packages, covering everything from quick conceptual diagrams using SmartRoads, Direct TotalStation and Data Collector downloads, to Linear Momentum Analysis, 3D Animation and SMAC Simulation.



## TURNKEY SYSTEM: REPORTBEAM SUCCESS STORIES

ReportBeam is proud to be part of the creation of success stories in 31 states. In fact, ReportBeam is the statewide collision reporting solution in the following places: Mississippi, Virginia, West Virginia, Wyoming and the U.S. Virgin Islands.

### THE STATE OF MISSISSIPPI & REPORTBEAM

As the country moves forward with electronic law enforcement solutions, the State of Mississippi realized it needed a better way to collect and manage traffic collision data. With over 100,000 traffic incidents reported each year, Mississippi's law enforcement community is responsible for investigating and reporting collision data that is later used to improve transportation impediments as well as implement safety initiatives. This data was being captured on paper forms and submitted to the Department of Public Safety where it was later entered into the state's data systems for statistical purposes. Unfortunately, due to the workflow involved, this data was often not available until many months into the following year and the data itself was questionable after being transcribed through many different stages.

The State Traffic Records Committee, spearheaded by Brady McMillen, Director of Accident Reconstruction for the Mississippi Highway Patrol, began the search for a better solution. They intended to find an electronic alternative that would ensure the integrity of the data at the source and provide a consolidated system for the management of collision reports. Key to this solution would be the immediate availability of the data for statistical purposes and a system which would allow law enforcement themselves to benefit from the data directly. A solution fitting this description, and purchased by the State, would be offered to all Law Enforcement agencies throughout Mississippi at no charge to them, streamlining their collision reporting workflow and enabling them to meet the States data submission requirements easier, and more efficiently.

After a comprehensive and meticulous selection process, ReportBeam was identified as the system ready and able to provide a turnkey solution while also being able to work closely with the state to tailor a system specific to its needs.

Through a joint effort between the state and ReportBeam, the system was customized to implement over 2000 business rules in the data collection tool. These rules make certain that data entered into the system strictly meets the requirements of validity specified by the state, thereby ensuring that the information

"I have not been this excited about something in the law enforcement community since mobile radios were introduced to our department back in 1988. Our state just deployed ReportBeam statewide!"

— Brady McMillen  
Director – Accident Reconstruction  
Mississippi Highway Patrol

used to improve the safety of Mississippians is correct and accurate. In September of 2004, Master Sergeant McMillen began overseeing the pilot roll-out of ReportBeam to agencies throughout the State.

To date, over 250,000 crash reports have been submitted to the system. Mississippi has the highest adoption rate of any state wide system with over 93% participation. In fact, all crash reports in Mississippi are generated in ReportBeam. Mississippi agencies all have the option to sell their crash reports online and provide superior service to the public.

## CONCLUSION

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All over America, police agencies are using ReportBeam to produce professional, informative reports, and generating the information necessary to make roads safer.

For additional information, please contact Advanced Public Safety at 954-354-3000 or [info@aps.us](mailto:info@aps.us).

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## ABOUT ADVANCED PUBLIC SAFETY (APS)

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Advanced Public Safety (APS) develops innovative technology solutions for law enforcement, corrections, fire and EMS personnel specifically designed to address the challenges they face every day. These solutions work with an agency's existing technology infrastructure to significantly increase officer safety and productivity.

