

Program Narrative
City of Bridgeport
Predictive Policing Technology and Police Radio Acquisition
FY16 Edward Byrne Memorial JAG Program

The City of Bridgeport is seeking a four-year grant of \$195,781 from the FY16 Edward Byrne Memorial Justice Assistance Grant (JAG) Program to fund costs associated with supporting and improving law enforcement response in Bridgeport, Connecticut. JAG funds will be used to purchase predictive policing technology as well as portable police radios for new police recruits.

The City of Bridgeport is the most populous and one of the most impoverished and densely populated cities in the state. Approximately 23% of Bridgeport residents live below the poverty line. The majority of residents (38%) identify as Hispanic/Latino; 32% as Black/African American; 23% as White (non-Hispanic); 3% as Asian; and the remaining 4% fall into another category. The City of Bridgeport's unemployment rate of about 9% is above the state average (approximately 6 percent). Bridgeport is also one of the most violent cities in the state. A 2014 report from Congressional Quarterly, based on FBI Uniform Crime Reporting Data, ranked crime in Bridgeport sixth highest in a national list of 252 cities of comparable size (100,000 – 499,000 residents). With nearly 147,000 residents living within Bridgeport's 15.97 square miles, its dense population means that violence and crime affects the lives of nearly every resident of the city.

The City of Bridgeport Police Department (BPD) is committed to improving its ability to respond to criminal activity quickly and efficiently. In an effort to do this, the City is seeking funding to purchase a three-year subscription to a web-based predictive policing system. The City has received price quote for Azavea's HunchLab, which outlines a cost of approximately \$24,000/year plus a one-time set-up fee of \$5,000. Set-up costs include a three-month trial period, following which the BPD is able to cancel the subscription should it determine that the software is not meeting its crime targeting and reduction needs. The City is also seeking additional price quotes from other vendors for predictive policing systems with the same capabilities outline below.

HunchLab predictive policing system uses advanced statistical models to determine high risk areas by time of day and type of crime. Daily reports would allow the BPD to intelligently

and efficiently target patrol resources. The HunchLab system will use crime priorities set by the BPD and BPD-provided notes on available resources to design shift-by-shift focus areas. The software uses multiple data sets to explain crime patterns. Crime predictions are based on data like baseline crime levels, repeat patterns, risk terrain modeling, socioeconomic indicators, temporal cycles, and weather. Targeted crime priorities in mission areas like aggravated assault, robbery/burglary, homicide, gun-related crimes, and more will be set, allowing BPD to target resources when and where they are most needed.

HunchLab software is hosted securely in the Cloud and can be accessed via desktop and mobile web browsers. BPD's Community Services Division, which currently oversees the collection, analysis, and dissemination of crime data, will be able to initially input three years worth of past data into the system for analysis. New data is expected to be uploaded to HunchLab on a daily basis. By uploading data on its own, BPD will save on software subscription costs. The BPD expects that this predictive policing software will allow it to best target its too often limited resources to stop crimes before they even begin.

The City of Bridgeport Police Department expects to add a total of 59 new recruits to its ranks in the next two years. As each new police officer will need to be equipped with a portable radio, the City is seeking to use additional FY16 JAG funding to purchase 33 portable radios for these new recruits. The City has received price quotes from third-party vendors to supply radios. Cost estimates for one portable radio are approximately \$3,600 each. The City expects that each radio will have a shelf life of 10+ years.

The Bridgeport Police Department is committed to providing performance measurement data and information to the Bureau of Justice Assistance. The Department will assign a staff member to oversee the data collection and analysis process and will evaluate program impact using BJA's accountability measures. Accountability metrics reports will be submitted quarterly.

BUDGET DETAILS

City of Bridgeport

Predictive Policing Technology and Police Radio Acquisition

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CATEGORY	COMPUTATION	COST
A. Personnel <i>Not applicable</i>		
B. Fringe Benefits <i>Not applicable</i>		
C. Travel <i>Not applicable</i>		
D. Equipment Portable Radios	33 radios at \$3,599.42/unit	\$118,781
E. Supplies <i>Not applicable</i>		
F. Construction <i>Not applicable</i>		
G. Consultants/Contracts <i>Not applicable</i>		
H. Other Costs Predictive Policing Software	One-Time Start Up Fee: \$5,000 Annual Fee: \$24,000/year for 3 years	\$77,000
I. Indirect Costs <i>Not applicable</i>		
	TOTAL	\$195,781.00