

**APPLICATION FOR**

1. TYPE OF SUBMISSION  Application Non-Construction		2. DATE SUBMITTED  07/02/2007	APPLICATION IDENTIFIER
		3. DATE RECEIVED BY STATE	STATE APPLICATION IDENTIFIER
		4. DATE RECEIVED BY FEDERAL AGENCY	FEDERAL IDENTIFIER
5. APPLICANT INFORMATION			
Legal Name  Miami Police Department		Organizational Unit  City of Miami Police Department	
Address (city, state, and zip code)  Business Management Section 400 NW 2 Avenue Miami, Florida 33128-1786		Name and telephone number of the person to be contacted on matters involving this application  Mae Shepherd (305) 603-6198	
6. EMPLOYER IDENTIFICATION NUMBER (EIN)  59-6000375		7. TYPE OF APPLICANT  Municipal	
8. TYPE OF APPLICATION  New		9. NAME OF FEDERAL AGENCY  Bureau of Justice Assistance	
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE  Number: 16.738  CFDA Title: EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM		11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT  Edward J. Byrne Justice Assistance Grant (JAG) 2007 Program	
12. AREAS AFFECTED BY PROJECT  While the chosen projects will directly affect different units			
13. PROPOSED PROJECT		14. CONGRESSIONAL DISTRICT(S) OF	
Start Date: 10/01/2007	Ending Date: 09/30/2011	a. Applicant FL17	b. Project FL17,FL18
15. ESTIMATED FUNDING		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?	
a. Federal	\$646,408	Program is not covered by E.O. 12372	
b. Applicant	\$0		
c. State	\$0		
d. Local	\$0		
e. Other	\$0		
f. Program Income	\$0	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?	
g. Total	\$646,408	N	
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS REQUIRED.			
a. Typed Name of Authorized Representative Carlos Migoya	b. Title City Manager	c. Telephone number (305) 250-5400	
d. Signature of Authorized Representative		e. Date Signed	

Previous Editions Not Usable

Standard Form 424 (Rev 4-88)  
Prescribed by OMB Circular A-102

## 2007 EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT (JAG)

This proposal, submitted by the City of Miami Police Department (MPD), supports the legislative intent and operational objectives of the Edward Byrne Memorial Justice Assistance Grant (JAG) Program. Funds provided by JAG will allow the MPD to implement nine (9) projects following the guidelines of the:

- Law Enforcement Programs.
- Planning, Evaluation, and Technology Improvement Programs.

Over the next four years the Miami Police Department will be implementing and expanding the following nine (9) projects:

1. Training Unit Electronic Classroom Project - Creation of a computer based training classroom to enhance instruction for Miami Police Officers, officers throughout Miami-Dade County as well as officers from other parts of the United States and the world. Also to provide information technology training for twenty-four (24) sworn and civilian training personnel (\$150,000).
2. Motorcycle Radio Improvement Project - Purchase of thirty-three (33) P25 police motorcycle radios for the MPD's current motorcycle fleet (\$142,560).
3. Investigative Technical Support Project – Purchase wireless covert audio and video transmission equipment to enhance officer safety and evidence gathering capability (\$95,101).
4. Mobile Display Terminal (MDT) Project – Provide MDTs to new officers being trained in the field to acclimate them to technology earlier in the training process (\$67,897).

5. License Plate Reader Project - Purchase of two (2) license plate readers to enhance the capability of the department to identify stolen and wanted vehicles, apprehend offenders and enforce traffic violations (\$60,000).
6. Police Helicopter Enhancement Project - Purchase and installation of a FDC/aerofilter kit EC 120 System Series and a Spare EC 120 Filter Element to prevent helicopter engine deterioration and increase the longevity of the equipment (\$55,300).
7. Community Policing Problem Solving Initiative - Implementation of two (2) community policing crime reduction projects utilizing the Scanning, Assessment, Response and Analysis (S.A.R.A.) Model (\$45,000).
8. Narcotics Investigative Support Equipment Project - Purchase of covert surveillance technology to be deployed by "street level" narcotics officers to build narcotics cases that result in prosecution and conviction of street level narcotics suppliers (\$17,350).
9. Automated Vessel Tracking Systems Project - Purchase automated tracking and location systems for police marine vessels to enhance safety and deployment (\$13,200).

These projects are extremely important because they will expand and improve the operations of the Miami Police Department and provide better services to the City of Miami residents and visitors by:

1. Enhancing the Miami Police Department's (MPD's) training functions and increasing the efficiency and effectiveness of the delivery of training programs.
2. Properly outfitting our motorcycle traffic fleet of thirty (30) motorcycles with thirty-three (33) radios and to enhance the technology so that we will be able to use multiple systems to communicate.
3. Providing investigative technical support that would enhance the capabilities of wireless covert audio and video transmissions for evidence gathering and increased officer safety.

4. Supplying Mobile Display Terminals (MDTs) to new officers being trained in the field.
5. Providing automatic and instantaneous identification of stolen and/or wanted vehicles.
6. Preventing premature wear and tear to the engine and eventual downgrading of performance by the MPD's Eurocopter EC 120-B, as well as maximizing the aircraft's operational availability by reducing down time due to maintenance.
7. Addressing Part 1 Crimes and narcotics sales by utilizing a Community Policing Problem Solving Model in a target neighborhood.
8. Deploying covert technology to significantly reduce drug related crimes.
9. Purchasing a system that will enable the tracking of police marine vessels to enhance deployment capability and to ensure that both the operator and the vessel can be located rapidly when an emergency arises.

The following budget shows the portion of the award dedicated to each project:

**Edward Byrne JAG 2007  
City of Miami  
Budget Summary and Budget Justification**

<b>Item</b>	<b>Description</b>	<b>Total</b>
1	Training Unit Electronic Classroom Project	\$ 150,000.00
2	Motorcycle Radio Improvement Project	\$ 142,560.00
3	Investigative Technical Support Project	\$ 95,101.00
4	Mobile Display Terminal (MDT) Project	\$ 67,897.00
5	License Plate Reader Project	\$ 60,000.00
6	Police Helicopter Enhancement Project	\$ 55,300.00
7	Community Policing Problem Solving Initiative	\$ 45,000.00
8	Narcotics Investigative Support Equipment Project	\$ 17,350.00
9	Automated Vessel Tracking Systems Project	\$ 13,200.00
<b>TOTAL</b>		<b>\$ 646,408.00</b>

## **PROJECT 1: Training Unit Electronic Classroom Project**

### **Need of the Project:**

In an effort to enhance the Miami Police Department's (MPD's) training function and to increase the efficiency and methods of delivery of training programs, the Training Unit is requesting \$150,000 to support equipment and fund overtime. To create a computer equipped training area, the MPD's Training Unit is requesting funds to purchase small desktop computers and/or laptop computers, training classroom desks to support a computer classroom, network infrastructure to support installation of computer classrooms (to include network wiring and installation, network routing equipment, server side equipment to support computer classroom installation and management software), and miscellaneous computer peripheral to support training functions (to include mice, keyboards, printers, scanner and computer software).

Use of the requested overtime will be used for Training Unit staff to facilitate training of law enforcement officers and support personnel receiving training at the MPD's Training Center. The overtime will also be used to train the Training Unit staff in support of information technology so that they are better equipped to provide more technologically advanced training curriculum and the support of the same.

### **Project Budget Summary:**

Training Unit Electronic Classroom Project	\$150,000.00
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Currently no other related justice funds are being utilized to finance this project.

**PROJECT 2: Motorcycle Radio Improvement Project**

**Need of the Project:**

The Miami Police Department's (MPD's) current motorcycle fleet consists of twenty-five (25) motorcycles with plans to augment the fleet by five (5) additional officers. Funds are being requested to purchase thirty-three (33) XTL5000-800 MHZ motorcycle mobile radios to properly outfit our proposed motorcycle fleet of thirty (30) motorcycles. Three (3) of the radios would be kept as "spares" to supplement radios sent to the shop for repairs. These new radios come equipped with the "channel announcement" capability and will be P25 ready, which is the current standard in radio "interoperability". This enhanced technology will allow us to use multiple systems to communicate. The radios currently being used are over ten (10) years old and three years past their seven year "life cycle." Motor officers using radio-less bikes, have to depend on their hand held radios, which are carried on their duty belts. In order to extract the handheld radios, the officers must free a hand to reach back for the radio. This reaching motion on a moving motorcycle, while going through traffic, is inherently dangerous.

The new XTL5000-800 MHZ radio, with the P25 technology, will not only upgrade and enhance our traffic communications capabilities; it will also make the police motorcycle officer's job safer and more efficient.

**Project Budget Summary:**

Motorcycle Radio Improvement Project	\$142,560.00
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Currently no other related justice funds are being utilized to finance this project.

## **PROJECT 3: Investigative Technical Support Project**

### **Need of the Project:**

The Special Investigations Section, Technical Assistance Squad is responsible for providing investigative technical support to the Criminal Investigations Division. The equipment requested will enhance those capabilities in providing wireless covert radio and video transmission providing greater evidence gathering ability and increasing officer safety. This wireless equipment would further our abilities in gathering intelligence and evidence during criminal investigations. The Technical Assistance Squad also provides live monitoring and geographic tracking capabilities of multiple targets for the Department's Narcotics, Strategic Information and Counter Terrorism Units who are involved in counter terrorism, preventing narcotics trafficking and violent persons crime investigations

### **Project Budget Summary:**

Investigative Technical Support Project :	\$95,101.00
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Currently no other related justice funds are being utilized to finance this project.



## **PROJECT 4: Mobile Display Terminal (MDT) Project**

### **Need of the Project:**

One of the MPD's goals is to provide its employees with technology and equipment that facilitates and improves their performance on an everyday basis. Currently new officers are not assigned a Mobile Display Terminal (MDT) until they have completed their probationary period of 18 months. This is due in part to the shortage of MDTs. Acclimating new officers to technology early in their training enables the officers to become more comfortable and proficient with new technology and more likely to use this technology on a daily basis. In support of this premise the Mobile Data Terminal (MDT) has increased the productivity of the police officer on the street by providing information rapidly without having to depend on a dispatcher for assistance. Similarly MDTs enable an officer to write reports, check suspects and property and obtain call information yielding a time saving that can be used to focus on proactive patrol. Through this project additional MDTs will be purchased along with mounting brackets to enable MDTs to be assigned to officers during their field training phase.

### **Project Budget Summary:**

Mobile Display Terminal (MDT) Project	\$67,897.00
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Currently no other related justice funds are being utilized to finance this project.

## PROJECT 5: License Plate Reader Project

### Need of the Project:

The Automatic License Plate Recognition (ALPR) is a technology installed in police cars which "reads" vehicle plates as they enter the view of a vehicle-mounted or roadside infrared camera, and checks them against a database for nearly instantaneous identification. The system runs continuously, automatically capturing images of license plates with a camera that works in nearly every light condition. The technology is completely automated and built into the car's operation, so it requires no action on the part of the police officer to capture the plate numbers and have them verified. It is not something the officer has to initiate. Previous technologies required officers to manually type in a plate number and request a database search for each number, which can be time consuming and prone to errors. A lot of times officers unknowingly drive by many stolen cars and have no idea they are stolen. The equipment which reads the plate of every car it sees and can read over 1,000 plates in an eight-hour shift, will increase the number of cars that can be recovered. The license plates are tracked by their location using Global Positioning System technology. The ALPR is ideally suited and proven in a wide range of applications: Traffic surveillance, traffic enforcement, toll roads, border control, security, access control, parking systems, car trapping and roadblocks, logistics and automation. At a cost of approximately \$30,000 each, it should prove to be a valuable tool.

### Project Budget Summary:

License Plate Reader Project	\$60,000.00
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Currently no other related justice funds are being utilized to finance this project.

## PROJECT 6: Police Helicopter Enhancement Project

### Need of the Project:

The Miami Police Department's (MPD's) Eurocopter EC 120-B is operated by a delicate turbine engine and is very susceptible to turbine or compressor erosion if an air filter is not installed. An air filter will reduce the amount of dust, foreign particles and salt from being inducted into the turbine engine. Corrosive salt nuclei present in the South Florida coastal air can cause compressor blade damage which accelerates premature wear and tear to the engine and eventual downgrading of performance by the aircraft. A particle separator will help maximize the aircraft's operational availability reducing downtime due to maintenance. The spare filter element is desired in order to reduce any aircraft downtime if the original filter is damaged. The engine air filter contains a bypass system which disconnects it if blockage occurs or performance loss is evident. The filter has a lifespan of 1500 hours on average.

### Project Budget Summary:

Police Helicopter Enhancement Project :	\$55,300.00
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Currently no other related justice funds are being utilized to finance this project.

## **PROJECT 7: Community Policing Problem Solving Initiative**

### **Need of the Project:**

Problem solving models have always been a fundamental part of the Miami Police Department's (MPD's) Community Policing Strategy. In particular, the Scanning, Analysis, Response and Assessment (S.A.R.A.) Model has been adopted to study and resolve crime and disorder problems in our community. It is our intent to launch two S.A.R.A. Projects that will deal with problems such as Part 1 Crimes and narcotic sales to improve quality of life in the targeted neighborhoods. The S.A.R.A. Problem Solving Model encourages an identification of crime and disorder patterns and seeks to analyze these patterns revealing their underlying circumstances and causes. It is our goal to provide creative answers to these chronic crime problems through a joint effort between the community and police.

### **Project Budget Summary:**

Community Policing Problem Solving Initiative	\$45,000.00
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Currently no other related justice funds are being utilized to finance this project.

**PROJECT 8: Narcotics Investigative Support Equipment Project**

**Need of the Project:**

Drug traffickers have continued to become more sophisticated to avoid detection and arrest. In combating narcotics traffickers and suppliers it has become essential to use covert surveillance technology to build cases that result in prosecution and convictions. Covert surveillance technology enables detectives to gather information and identify suspects without detection. Remote video cameras with the capability of recording, in real time, surveillance and a record of suspects' activities provide strong evidence in court. To accomplish a significant impact in reducing crime, the use of covert technology for the identification and arrest of traffickers and suppliers has become a necessity rather than a luxury.

**Project Budget Summary:**

Narcotics Investigative Support Equipment Project	\$17,350.00
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Currently no other related justice funds are being utilized to finance this project.

## PROJECT 9: Automated Vessel Tracking Systems Project

**Need of the Project:** The L-3 Communications Automatic Identification System helps track and deploy vessels and ensures that both operator and vessel can be located when an emergency arises. The system improves situational awareness and allows the ability to coordinate marine patrol response by identifying vessel locations allowing for them to respond in the fastest time possible.

**Project Budget Summary:**

Automated Vessel Tracking Systems Project	\$13,200.00
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Currently no other related justice funds are being utilized to finance this project.

Edward Byrne JAG 2007  
**City of Miami**  
 Budget Summary and Budget Justification

Item	Description	Total
1	Training Unit Electronic Classroom Project	\$ 150,000.00
2	Motorcycle Radio Improvement Project	\$ 142,560.00
3	Investigative Technical Support Project	\$ 95,101.00
4	Mobile Display Terminal (MDT) Project	\$ 67,897.00
5	License Plate Reader Project	\$ 60,000.00
6	Police Helicopter Enhancement Project	\$ 55,300.00
7	Community Policing Problem Solving Initiative	\$ 45,000.00
8	Narcotics Investigative Support Equipment Project	\$ 17,350.00
9	Automated Vessel Tracking Systems Project	\$ 13,200.00
<b>TOTAL</b>		<b>\$ 646,408.00</b>

## **Budget Narrative**

Item 1. In an effort to enhance the Miami Police Department's (MPD's) training function and to increase the efficiency and methods of delivery of training programs, the Training Unit is requesting \$150,000 to support equipment and fund overtime. To create a computer equipped training area, the MPD's Training Unit is requesting funds to purchase small desktop computers and/or laptop computers, training classroom desks to support a computer classroom, network infrastructure to support installation of computer classrooms (to include network wiring and installation, network routing equipment, server side equipment to support computer classroom installation and management software), and miscellaneous computer peripheral to support training functions (to include mice, keyboards, printers, scanner and computer software). Use of the requested overtime will be used for Training Unit staff to facilitate training of law enforcement officers and support personnel receiving training at the MPD's Training Center. The overtime will also be used to train the Training Unit staff in support of information technology so that they are better equipped to provide more technologically advanced training curriculum and the support of the same.

Item 2. The Miami Police Department's (MPD's) current motorcycle fleet consists of twenty-five (25) motorcycles with plans to augment the fleet by five (5) additional officers. Funds are being requested to purchase thirty-three (33) XTL5000-800 MHZ motorcycle mobile radios to properly outfit our proposed motorcycle fleet of thirty (30) motorcycles. Three (3) of the radios would be kept as "spares" to supplement radios sent to the shop for repairs. These new radios come equipped with the "channel announcement" capability and will be P25 ready, which is the current standard in radio "interoperability". This enhanced technology will allow us to use multiple systems to communicate. The radios currently being used are over ten (10) years old and three years past their seven year "life cycle." Motor officers using radio-less bikes, have to depend on their hand held radios, which are carried on their duty belts. In order to extract the handheld radios, the officers must free a hand to reach back for the radio. This reaching motion on a moving motorcycle, while going through traffic, is inherently dangerous. The new XTL5000-800 MHZ radio, with the P25 technology, will not only upgrade and enhance our traffic communications capabilities; it will also make the police motorcycle officer's job safer and more efficient.



**Edward Byrne JAG 2007**  
**City of Miami**  
**Budget and Budget Justification Training Unit Electronic Classroom Project**

Item	Description	Computation	Total
30 Dell computers		30 X \$2,500/ea.	\$75,000.00
1 Network infrastructure equipment and installation			\$ 10,000.00
30 Computer peripherals		30 X \$300/ea.	\$ 9,000.00
1 Overtime usage			\$ 56,000.00
<b>TOTAL</b>			<b>\$ 150,000.00</b>

**Budget Narrative**

Item 1. In an effort to enhance the Miami Police Department's (MPD's) training function and to increase the efficiency and methods of delivery of training programs, the Training Unit is requesting \$150,000 to support equipment and fund overtime. To create a computer equipped training area, the MPD's Training Unit is requesting funds to purchase small desktop computers and/or laptop computers, training classroom desks to support a computer classroom, network infrastructure to support installation of computer classrooms (to include network wiring and installation, network routing equipment, server side equipment to support computer classroom installation and management software), and miscellaneous computer peripheral to support training functions (to include mice, keyboards, printers, scanner and computer software). Use of the requested overtime will be used for Training Unit staff to facilitate training of law enforcement officers and support personnel receiving training at the MPD's Training Center. The overtime will also be used to train the Training Unit staff in support of information technology so that they are better equipped to provide more technologically advanced training curriculum and the support of the same.

Item 3. The Special Investigations Section, Technical Assistance Squad is responsible for providing investigative technical support to the Criminal Investigations Division. The equipment requested will enhance those capabilities in providing wireless covert radio and video transmission providing greater evidence gathering ability and increasing officer safety. This wireless equipment would further our abilities in gathering intelligence and evidence during criminal investigations. The Technical Assistance Squad also provides live monitoring and geographic tracking capabilities of multiple targets for the Department's Narcotics, Strategic Information and Counter Terrorism Units who are involved in counter terrorism, preventing narcotics trafficking and violent persons crime investigations

Item 4. One of the MPD's goals is to provide its employees with technology and equipment that facilitates and improves their performance on an everyday basis. Currently new officers are not assigned a Mobile Display Terminal (MDT) until they have completed their probationary period of 18 months. This is due in part to the shortage of MDTs. Acclimating new officers to technology early in their training enables the officers to become more comfortable and proficient with new technology and more likely to use this technology on a daily basis. In support of this premise the Mobile Data Terminal (MDT) has increased the productivity of the police officer on the street by providing information rapidly without having to depend on a dispatcher for assistance. Similarly MDTs enable an officer to write reports, check suspects and property and obtain call information yielding a time

Item 5. The Automatic License Plate Recognition (ALPR) is a technology installed in police cars which reads license plates as they enter the view of a vehicle-mounted or roadside infrared camera, and checks them against a database for nearly instantaneous identification. The system runs continuously, automatically capturing images of license plates with a camera that works in nearly every light condition. The technology is completely automated and built into the car's operation, so it requires no action on the part of the police officer to capture the plate numbers and have them verified. It is not something the officer has to initiate. Previous technologies required officers to manually type in a plate number and request a database search for each number, which can be time consuming and prone to errors. A lot of times officers unknowingly drive by many stolen cars and have no idea they are stolen. The equipment which reads the plate of every car it sees and can read over 1,000 plates in an eight-hour shift, will increase the number of cars that can be recovered. The license plates are tracked by their location using Global Positioning System technology. The ALPR is ideally suited and proven in a wide range of applications: Traffic surveillance, traffic enforcement, toll roads, border control, security, access control, parking systems, car trapping and roadblocks, logistics and automation. At a cost of approximately \$30,000 each, it should prove to be a valuable tool.

Item 6. The Miami Police Department's (MPD's) Eurocopter EC 120-B is operated by a delicate turbine engine and is very susceptible to turbine or compressor erosion if an air filter is not installed. An air filter will reduce the amount of dust, foreign particles and salt from being inducted into the turbine engine. Corrosive salt nuclei present in the South Florida coastal air can cause compressor blade damage which accelerates premature wear and tear to the engine and eventual downgrading of performance by the aircraft. A particle separator will help maximize the aircraft's operational availability reducing downtime due to maintenance. The spare filter element is desired in order to reduce any aircraft downtime if the original filter is damaged. The engine air filter contains a bypass system which disconnects it if blockage occurs or performance loss is evident. The filter has a lifespan of 1500 hours on average.

Item 7. Problem solving models have always been a fundamental part of the Miami Police Department's (MPD's) Community Policing Strategy. In particular, the Scanning, Analysis, Response and Assessment (S.A.R.A.) Model has been adopted to study and resolve crime and disorder problems in our community. It is our intent to launch two S.A.R.A. Projects that will deal with problems such as Part 1 Crimes and narcotic sales to improve quality of life in the targeted neighborhoods. The S.A.R.A. Problem Solving Model encourages an identification of crime and disorder patterns and seeks to analyze these patterns revealing their underlying circumstances and causes. It is our goal to provide creative answers to these chronic crime problems through a joint effort between the community and police.

Item 8. Drug traffickers have continued to become more sophisticated to avoid detection and arrest. In combating narcotics traffickers and suppliers it has become essential to use covert surveillance technology to build cases that result in prosecution and convictions. Covert surveillance technology enables detectives to gather information and identify suspects without detection. Remote video cameras with the capability of recording, in real time, surveillance and a record of suspects' activities provide strong evidence in court. To accomplish a significant impact in reducing crime, the use of covert technology for the identification and arrest of traffickers and suppliers has become a necessity rather than a luxury.

Item 9. The L-3 Communications Automatic Identification System helps track and deploy vessels and ensures that both operator and vessel can be located when an emergency arises. The system improves situational awareness and allows the ability to coordinate marine patrol response by identifying vessel locations allowing for them to respond in the fastest time possible.

Edward Byrne JAG 2007  
City of Miami  
Budget and Budget Justification  
Motorcycle Radio Improvement Project

Item	Description	Computation	Total
33	XTL5000-800 MHZ	33 X \$1,285	\$ 42,405.00
33	Smartnet	33 X \$1,097	\$ 36,201.00
33	1/4 antenna	33 X \$13.00	\$ 429.00
33	05 Motorcycle control hardware	33 X \$390	\$ 12,870.00
33	XTL Remote mount MC	33 X \$460	\$ 15,180.00
33	Motorcycle mike	33 X \$79	\$ 2,607.00
33	Weather resistant speaker	33 X \$54	\$ 1,782.00
33	Extended warranty	33 X \$102	\$ 3,366.00
33	White motorcycle enclosure	33 X \$840	\$ 27,720.00
TOTAL			\$ 142,560.00

### **Budget Narrative**

Item 2. The Miami Police Department's (MPD's) current motorcycle fleet consists of twenty-five (25) motorcycles with plans to augment the fleet by five (5) additional officers. Funds are being requested to purchase thirty-three (33) XTL5000-800 MHZ motorcycle mobile radios to properly outfit our proposed motorcycle fleet of thirty (30) motorcycles. Three (3) of the radios would be kept as "spares" to supplement radios sent to the shop for repairs. These new radios come equipped with the "channel announcement" capability and will be P25 ready, which is the current standard in radio "interoperability". This enhanced technology will allow us to use multiple systems to communicate. The radios currently being used are over ten (10) years old and three years past their seven year "life cycle." Motor officers using radio-less bikes, have to depend on their hand held radios, which are carried on their duty belts. In order to extract the handheld radios, the officers must free a hand to reach back for the radio. This reaching motion on a moving motorcycle, while going through traffic, is inherently dangerous. The new XTL5000-800 MHZ radio, with the P25 technology, will not only upgrade and enhance our traffic communications capabilities; it will also make the police motorcycle officer's job safer and more efficient.

Edward Byrne JAG 2007

City of Miami

Budget and Budget Justification, Investigative Technical Support Project

Item	Description	Computation	Total
1	DV-2-1000 Tactical "Dyna VIEW" II Kit		\$ 6,499.00
1	VCRT-VMS250 Disguised Video Transmitter-Clock Radio		\$ 3,870.00
1	VDRC-VMS-250 Disguised Video Transmitter-Drink Cup		\$ 3,499.00
1	VDD-VMX-2000 Dynadome		\$ 13,799.00
1	VUBO-VMS-2000 Outdoor Utility Box		\$ 15,999.00
4	R-MMD1-X-1 Mini-Mate-D RX	4 X \$2,995	\$ 11,980.00
	w/Non-removable mini-SD		
12	Dell Latitude D820	12 X \$2488.71	\$ 29,864.52
2	Silver All In One GPRS Package	2 X \$4,795	\$ 9,590.00
<b>TOTAL</b>			<b>\$ 95,100.52</b>

**Budget Narrative**

Item 3. The Special Investigations Section, Technical Assistance Squad is responsible for providing investigative technical support to the Criminal Investigations Division. The equipment requested will enhance those capabilities in providing wireless covert radio and video transmission providing greater evidence gathering ability and increasing officer safety. This wireless equipment would further our abilities in gathering intelligence and evidence during criminal investigations. The Technical Assistance Squad also provides live monitoring and geographic tracking capabilities of multiple targets for the Department's Narcotics, Strategic Information and Counter Terrorism Units who are involved in counter terrorism, preventing narcotics trafficking and violent persons crime investigations

**Edward Byrne JAG 2007**

**City of Miami**

**Budget and Budget Justification, Mobile Display Terminal (MDT) Project**

<b>Item</b>	<b>Description</b>	<b>Computation</b>	<b>Total</b>
	<b>Mobile Display Terminal (MDT) Project</b>	<b>\$</b>	<b>67,897.00</b>
<b>TOTAL</b>		<b>\$</b>	<b>67,897.00</b>

**Budget Narrative**

Item 4. One of the MPD's goals is to provide its employees with technology and equipment that facilitates and improves their performance on an everyday basis. Currently new officers are not assigned a Mobile Display Terminal (MDT) until they have completed their probationary period of 18 months. This is due in part to the shortage of MDTs. Acclimating new officers to technology early in their training enables the officers to become more comfortable and proficient with new technology and more likely to use this technology on a daily basis. In support of this premise the Mobile Data Terminal (MDT) has increased the productivity of the police officer on the street by providing information rapidly without having to depend on a dispatcher for assistance. Similarly MDTs enable an officer to write reports, check suspects and property and obtain call information yielding a time saving that can be used to focus on proactive patrol. Through this project additional MDTs will

**Edward Byrne JAG 2007  
City of Miami  
Budget and Budget Justification License Plate Reader Project**

Item	Description	Computation	Total
2	License plate readers	2 X \$30,000/ea.	\$60,000.00
TOTAL			\$ 60,000.00

**Budget Narrative**

Item 0. The Automatic License Plate Recognition (ALPR) is a technology installed in police cars which reads vehicle plates as they enter the view of a vehicle-mounted or roadside infrared camera, and checks them against a database for nearly instantaneous identification. The system runs continuously, automatically capturing images of license plates with a camera that works in nearly every light condition. The technology is completely automated and built into the car's operation, so it requires no action on the part of the police officer to capture the plate numbers and have them verified. It is not something the officer has to initiate. Previous technologies required officers to manually type in a plate number and request a database search for each number, which can be time consuming and prone to errors. A lot of times officers unknowingly drive by many stolen cars and have no idea they are stolen. The equipment which reads the plate of every car it sees and can read over 1,000 plates in an eight-hour shift, will increase the number of cars that can be recovered. The license plates are tracked by their location using Global Positioning System technology. The ALPR is ideally suited and proven in a wide range of applications: Traffic surveillance, traffic enforcement, toll roads, border control, security, access control, parking systems, car trapping and roadblocks, logistics and automation. At a cost of approximately \$30,000



**Edward Byrne JAG 2007  
City of Miami  
Budget and Budget Justification  
Police Helicopter Enhancement Project**

Item	Description	Computation	Total
1	FDC/aerofilter kit, EC 120 System Series: P/N 11201N1-1	\$	24,500.00
1	Spare EC 120 Filter Element: P/N 1120A5-1	\$	2,800.00
	Installation	\$	28,000.00
<b>TOTAL</b>		\$	<b>55,300.00</b>

**Budget Narrative**

Item 6. The Miami Police Department's (MPD's) Eurocopter EC 120-B is operated by a delicate turbine engine and is very susceptible to turbine or compressor erosion if an air filter is not installed. An air filter will reduce the amount of dust, foreign particles and salt from being inducted into the turbine engine. Corrosive salt nuclei present in the South Florida coastal air can cause compressor blade damage which accelerates premature wear and tear to the engine and eventual downgrading of performance by the aircraft. A particle separator will help maximize the aircraft's operational availability reducing downtime due to maintenance. The spare filter element is desired in order to reduce any aircraft downtime if the original filter is damaged. The engine air filter contains a bypass system which disconnects it if blockage occurs or performance loss is evident. The filter has a lifespan of 1500 hours on average.

Edward Byrne JAG 2007

City of Miami

Budget and Budget Justification, Community Policing Problem Solving Initiative

Item	Description	Computation	Total
	Surveillance equipment, i.e. covert cameras, repeaters, etc.	\$	12,500.00
	Training and crime prevention materials	\$	2,500.00
	Overtime	\$	30,000.00
	<b>TOTAL</b>	<b>\$</b>	<b>45,000.00</b>

Budget Narrative

Item 7. Problem solving models have always been a fundamental part of the Miami Police Department's (MPD's) Community Policing Strategy. In particular, the Scanning, Analysis, Response and Assessment (S.A.R.A.) Model has been adopted to study and resolve crime and disorder problems in our community. It is our intent to launch two S.A.R.A. Projects that will deal with problems such as Part 1 Crimes and narcotic sales to improve quality of life in the targeted neighborhoods. The S.A.R.A. Problem Solving Model encourages an identification of crime and disorder patterns and seeks to analyze these patterns revealing their underlying circumstances and causes. It is our goal to provide creative answers to these chronic crime problems through a joint effort between the community and police.

Edward Byrne JAG 2007

City of Miami

Budget and Budget Justification, Narcotics Investigative Support Equipment Project

Item	Description	Computation	Total
1	HAWK8A Video/Audio Recorder W/2 low light cameras	\$	6,850.00
1	WRIS Wireless Remote Interface System	\$	2,500.00
1	WRIS-RPTR Repeater to extend range of WRIS to one mile	\$	3,950.00
1	LONG-CAM Low light long lens, 16 mm long range	\$	300.00
1	PDRSU Portable Digital Recorder Unit	\$	2,300.00
1	Camera concealment aluminum coffee cup	\$	850.00
1	Camera concealment baseball hat	\$	600.00
TOTAL		\$	17,350.00

Budget Narrative

Item 8. Drug traffickers have continued to become more sophisticated to avoid detection and arrest. In combating narcotics traffickers and suppliers it has become essential to use covert surveillance technology to build cases that result in prosecution and convictions. Covert surveillance technology enables detectives to gather information and identify suspects without detection. Remote video cameras with the capability of recording, in real time, surveillance and a record of suspects' activities provide strong evidence in court. To accomplish a significant impact in reducing crime, the use of covert technology for the identification and arrest of traffickers and suppliers has become a necessity rather than a luxury.

**Edward Byrne JAG 2007**  
**City of Miami**  
**Budget and Budget Justification Automated Vessel Tracking Systems Project**

Item	Description	Computation	Total
4 L-3 Communications Automatic ID Systems	4 X \$3,200		\$12,800.00
4 Antennas	4 X \$100	\$	400.00
TOTAL			\$ 13,200.00

**Budget Narrative**

Item 9. The L-3 Communications Automatic Identification System helps track and deploy vessels and ensures that both operator and vessel can be located when an emergency arises. The system improves situational awareness and allows the ability to coordinate marine patrol response by identifying vessel locations allowing for them to respond in the fastest time possible.

# City of Miami



PEDRO G. HERNANDEZ, P.E.  
City Manager

June 5, 2007

Matt Hanson, Special Assistant to the Director  
Bureau of Justice Assistance  
810 Seventh Street, NW  
Washington, DC 20531

Re: Edward Byrne Justice Assistance Grant Program 2007  
Notice of the City of Miami's Intent to Apply

Dear Mr. Hanson:

Please be informed that the City of Miami Police Department, following our internal policies and procedures, and in compliance with the guidelines of the Edward Byrne Justice Assistance Grant, will make available the Edward Byrne Justice Assistance Grant Program application for review to our Mayor, City Commissioners, and our Chief Administrator/City Manager, Mr. Pedro G. Hernandez (See attached memorandum).

Mr. Hernandez is the official designated by the City of Miami Mayor and Commissioners to solicit and negotiate any business transaction on behalf of the City of Miami.

Also, in compliance with the guidelines of the grant announcement and following our established procedures, the Police Department provided an opportunity to comment on this grant to our citizens, neighborhood and/or community organization by posting through our web site information about the usage of funds. Public may have access to the information by entering our City of Miami Police Department web site at [www.miami-police.org](http://www.miami-police.org) and then selecting the "Legal Info" link on the bottom left corner of the screen.

We thank you for the opportunity to submit an application on the above mentioned program, and trust that all steps taken fulfilled your requirements. Please do not hesitate to contact Brad Simon should you need additional information at (305) 416-1522.

Respectfully,

Robert Ruano  
Director of Grants Administration

cc: John F. Timoney, Chief of Police

OFFICE OF GRANTS ADMINISTRATION  
444 S.W. 2nd Avenue, 5th Floor, Miami, Florida 33130 (305)416-1532 Fax: (305)416-2151  
Mailing Address: P.O. Box 330708-0708 Miami, FL 33233-0708

INTER-OFFICE MEMORANDUM

TO : Pedro G. Hernandez  
City Manager

DATE : June 13, 2007

FILE :

SUBJECT : Edward Byrne JAG Grant  
Application

FROM : Robert Ruano, Director  
Grants and Sustainable  
Initiatives

REFERENCES :

ENCLOSURES:

As per Federal government regulations, please be informed that the City of Miami Police Department (MPD) intends to submit an application for funds under the Edward Byrne Memorial Justice Assistance Grant Program announced by the US Department of Justice. A grant application for \$646,408 will allow the Miami Police Department to implement ~~and~~ many law enforcement programs. Attached is a memorandum, for your signature, also notifying the Mayor and Commissioners of the before mentioned regulation requirement.

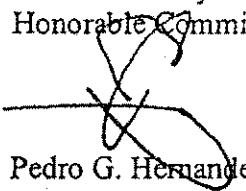
An opportunity to comment on this grant announcement is being provided to the community by posting an announcement in the Miami Police Department's official website. This notification will remain at least until the submission date.

Please do not hesitate to contact me should you need additional information on this matter.

cc:.....John F. Timoney, Chief of Police

CITY OF MIAMI, FLORIDA  
INTER-OFFICE MEMORANDUM

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TO :	Honorable Mayor Manny Diaz, Honorable Commissioners	DATE :	June 3, 2007	FILE :
FROM :	 Pedro G. Hernandez, P.E. City Manager	SUBJECT :	Edward Byrne JAG Grant Application	REFERENCES :
		ENCLOSURES :		

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As per Federal Government regulations, please be informed that the City of Miami Police Department (MPD) intends to submit an application for funds under the Edward Byrne Memorial Justice Assistance Grant Program announced by the US Department of Justice. A grant application for \$646,408 will allow the Miami Police Department to implement and support many law enforcement programs such as Drug Enforcement, Education and Training Materials, Special Surveillance Equipment, etc. There is no match required for this grant.

An opportunity to comment on this grant announcement has being provided to the community by the posting of an announcement on the Miami Police Department's official website. This notification will remain until the submission date.

Please do not hesitate to contact Robert Ruano, Director of Grants and Sustainable Initiatives, at (305) 416-1532, should you need additional information on this matter.

Cc: Robert Ruano, Director, Grants and Sustainable Initiatives

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- **F.D.L.E.**
- **F.B.I.**
- **City Of Miami**
- **Homeland Security**
- **Miami-Dade Police Dept**

**Email: [HomelandSecurity@Miami-Police.Org](mailto:HomelandSecurity@Miami-Police.Org)**

### LATEST NEWS

- Suspicious Possible Homicide
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- Celebration Murder Arrest
- Celebration Turns Deadly

### CRIME ALERTS

- Most Wanted
- Sexual Offenders
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to prevent crime and improve the criminal justice system. This program aims to provide agencies with the flexibility to prioritize and distribute funds in areas that justice funds are needed most, based upon their own local needs and conditions.

JAG funding may be used for State and local initiatives, technical assistance, training, personnel, equipment, supplies, contractual support, and information systems for criminal justice for any one or more of the following purpose areas:

- Law enforcement programs;
- Prosecution and court programs;
- Prevention and education programs;
- Corrections and community corrections programs;
- Drug treatment programs; and
- Planning, evaluation, and technology improvement programs.

Allocation awards made to states are determined by the following:

- A minimum base allocation determined by Bureau of Justice Statistics (BJS);
- Population;
- Average annual number of Part 1 violent crime statistics; and
- Direct allocation to units of local governments.

Of the awarded allocation amounts, 60 percent of the funding is awarded to the state, and 40 percent is set aside to eligible local government entities. States are required to pass through additional funds referred to as the variable pass-through to units of local government. The variable pass-through amount is calculated by the BJS based upon the reported state's crime expenditures.

Up to 10 percent of indirect costs associated with administering the use of funds through this program may be included in the awarded funds.

Funds must be used to supplement existing funds for program activities and cannot replace or supplant non-Federal funds that have been appropriated for the same purpose.

Funds may not be used for:

- Vehicle, vessels, or aircrafts;
- Luxury items;
- Real estate; or
- Construction projects (excluding penal or correctional institutions).

Applicants must set up a trust fund to deposit JAG funds. This fund may or may not be an interest-bearing account.

To view FY 2006 program allocations, visit <http://www.ojp.usdoj.gov/BJA/grant/jagallocations.html>. For FY 2005, a total of \$288.9 million of the \$495.5 million was allocated to the 50 states and to the District of Columbia,

Puerto Rico, American Samoa, Guam, the Northern Mariana Islands, and the Virgin Islands; award amounts ranged from \$743,250 to \$35,015,830. Refer to the Award file in the Files section for additional award information

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