

ISSUING DEPARTMENT INPUT DOCUMENT

CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

New
 OTR
 Sole Source
 Bid Waiver
 Emergency
 Previous Contract/Project No. BW9203-3/21-2

Re-Bid
 Other – Access of Other Entity Contract
 LIVING WAGE APPLIES: YES NO

Requisition No./Project No.: R'Q'ET'2000032
 TERM OF CONTRACT 10 YEAR(S) WITH YEAR(S) OTR

Requisition /Project Title: L3Harris Radio Communication System Upgrade

Description:

Miami-Dade County operates a Countywide L3Harris P25 800Mhz Public Safety Radio system that is divided into System-A and System-B. First responders from Federal, State and Local agencies are supported on System-B, while local government services are supported on System-A. There are approximately 33,000 user devices operating on MDC radio network. System-A serves as a backup for System-B, therefore should be as similar as possible. In 2004 FCC issued a report and order to modify its rules governing the 800Mhz band. The order required its users, including MDC to reconfigure radio operations by engaging in frequency swap, known as re-banding. Phase I (System-B coverage update) was completed in 2018 and this is a Phase II of the plan to enhance System-A and provide same system coverage as System-B. This update is the vital part of sustainability of MDC.

Issuing Department: ITD
 Contact Person: Tom Gross
 Phone: 305-596-8218

Estimate Cost: \$21,000,000

Funding Source:
GENERAL
FEDERAL
OTHER

Administrati

ANALYSIS

<u>Commodity Codes:</u>	72561	93684	
Contract/Project History of previous purchases three (3) years Check here <input checked="" type="checkbox"/> if this is a new contract/purchase with no previous history.			
	<u>EXISTING</u>	<u>2ND YEAR</u>	<u>3RD YEAR</u>
Contractor:	Harris Corporation		
Small Business Enterprise:			
Contract Value:	\$1,200,000.00		
Comments:	This is being proposed as a Legacy Purchase, to L3Harris Technologies Inc, existing provider		
Continued on another page (s): <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			

RECOMMENDATIONS

	Set-Aside	Subcontractor Goal	Bid Preference	Selection Factor
SBE				
Basis of Recommendation:				
None. This is a Non-Competitive Contract.				
Signed:	Adam Makarevich		Date sent to SBD:	8/26/2020
			Date returned to SPD:	



Justification/Input Document for Non-Competitive Acquisition

It is the policy of Miami-Dade County to consistently purchase goods and services using full and open competition. The citizens of Miami-Dade County are best served when we make sound business decisions based on competitive bids or proposals. Early acquisition planning that includes consultation with Internal Service Department's procurement staff can help avoid delays and facilitates effective market research. However, there may be instances when other than full and open competition may be justified. When a user department(s) determines that other than full and open competition is necessary or in the best interest of the County, appropriate justification for that course of action must be submitted to ISD for approval and execution in order to waive the competitive bid/proposal process.

Please provide the information requested below to support the need and feasibility for waiving the competitive bid/proposal process:

Department:	ITD		
Contact Person:	Thomas Gross	Phone Number:	305-596-8218
Requisition No.:	RQET2000012	Estimated Value:	\$20,800,000 over 10 years
Proposed Vendor:	L3Harris (formerly Harris Corporation)		
Previous Contract Number:	BW9203-3/21-2 (Expires 9/30/2021)	Previous Contract Value:	\$1.2 MIL for 2 years maintenance only

Purpose of the Purchase
Please describe your minimum requirements and the benefits of making the acquisition.

Miami-Dade County (MDC) operates a countywide L3Harris P25 800 MHz public safety radio system that is divided into SYSTEM A and SYSTEM B. First responders from Federal, State and local agencies are supported on SYSTEM B, while local government services are supported on SYSTEM A. There are approximately 33,000 end user devices operating on the MDC radio network. System A serves as the backup for system B, therefore should be as similar as possible.

On August 6, 2004, the Federal Communications Commission (FCC) issued a report and order to modify its rules governing the 800 MHz band. The order required its users, including Miami-Dade County to reconfigure radio operations by engaging in a frequency swap known as "rebanding." On January 28, 2010, the Board approved Resolution R-83-10, which authorized a settlement agreement with Nextel South Corporation and a purchase agreement with Harris Corporation to address the FCC mandate. As a result of the "rebanding agreement", MDC received new 800 MHz infrastructure and enhancements to the countywide P25 800 MHz System B, Public Safety System. The P25 Digital Radio System has been functional since November 2014.

Since 2015, commitments were proffered to the Board of County Commissioners to implement a plan to address areas of historical low radio coverage within MDC. To fulfill these promises, a deployment plan was devised to be implemented in two phases. Phase I was focused on additional transmit sites to increase coverage in Southern, Western and Northeast Miami-Dade as well as strengthen existing radio tower sites. Phase I is complete and three new transmit site have been deployed and have been active since October 2018.

Phase II of the plan is to enhance SYSTEM A and provide the same radio coverage footpath as SYSTEM B. This unequal configuration places first responders and the delivery of emergency services to our citizens at a less than optimal situation. The current SYSTEM A is in need of additional transit and receive tower sites in Western, Northwestern and Northeast MDC to bring both systems into parity. Both SYSTEM A & B, require a software upgrades to address end of life software productions issues to ensure continued reliable 24/7 operations.

The upgrade of the L3Harris P25 Radio System is a vital part of the sustainability of MDC Services.

Best Interest of the County / Uniqueness of Product

Please provide a detailed description as to why a waiver of formal bidding is in the County's best interest (e.g., product standardization, compatibility, proprietary access or distributorship, how vendor is uniquely qualified to provide the needed product or service, etc.). Please note that a lack of advance planning is not an acceptable justification for a non-competitive acquisition.

Miami-Dade County has been an L3Harris radio customer for over 20 years. The public safety simulcast radio system has a coverage umbrella that spans the county utilizing 11 transmit/receive sites. These radio tower site, nine of which are owned by the County and two are leased from private tower providers, are strategically placed to provide the proper coverage without interfering with radio signals from other tower sites. The system design and current architecture is the product of years of collaboration between MDC and the current vendor. The current vendor is also the OEM for the radio system and accessories utilized to dispatch first responder to emergence calls for service.

Taking into account the totality of circumstances, L3Harris is uniquely qualified to continue the mission critical development and enhancements of the MDC Radio System to the standards that have been established by the County.

The following table represents the proposed scope of activity over the next ten years:

ITEM	DESCRIPTION	PROJECTED 10 YEAR COSTS
SR 9 TO SR 10 UPGRADE	Complete software and hardware upgrade to enhance communication for first responders	\$9,600,000
SYMPHONY DISPATCH CONSOLES	Replacement of 75 dispatch consoles for MDPD, MDFR, TRANSIT, WATER and SEWER, Water and North Miami PD.	\$7,000,000
SOFTWARE MANAGEMENT SERVICE	Yearly software updates required by the manufacturer.	\$3,000,000
SECURITY UPDATE SERVICES	Yearly software security updates required by the manufacturer	\$1,200,000
		TOTAL COST: \$20,800,000

Market Research

Please describe your market research and the results thereof. This should include a description of other, similar sources or products available in the market if any and why they are not acceptable.

The Miami-Dade County P25 radio system is one of the largest public safety radio system in North America. L3Harris is one of the largest radio providers in the world and their chief rival is Motorola Solutions Inc. Both L3Harris and Motorola offer P25 800 MHz public safety radios systems and both companies provide a long list of end user devices to support first responder operations.

However, each company has a back-end infrastructure that is unique to themselves. We cannot mix Motorola and Harris network infrastructure into one system and we cannot configure a Harris system with Motorola software and operate as we do today. Additionally, our current tower site are loaded with Harris transmit equipment and cannot support the weight and wind-loading stresses of a second radio infrastructure.

Therefore, in order to attempt to make a change to a new radio provider would require the acquisition of land at specific locations to support a radio coverage footprint, the permitting and construction of 11 radio towers and the exchange of 33,000 end user devices. This process would not only be extremely expensive but would takes years to complete and the current radio infrastructure is in need of upgrade now.

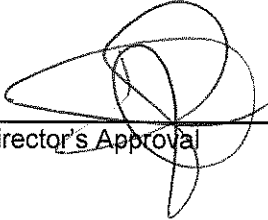
Additionally, the Miami-Dade Police Department's dispatch consoles (Maestros) are end of life and in need of replacement. The next generation of dispatch console is the Symphony which is designed to work with the Harris P25 radio infrastructure.

The financial cost, logistical planning and disruption of service to the first responders that rely on the public safety radio systems are too high. The logical solution is to upgrade the current system in order to continue to provide the highest level of service to the current end users.

Proposed Actions

Please describe the actions the department will take to overcome the present barriers to competition prior to any future acquisitions of this product or service.

Miami-Dade County is subject to the developmental roadmaps of the radio industry. We continue to subscribe to the P25 standards and make purchases consistent with those standards. The only recourse available to MDC to overcome the present barrier is to advocate for the enhanced functionality that could coexist with both manufacturers infrastructure.



Department Director's Approval

1/28/2020

Date Approved