ISSUING DEPARTMENT INPUT DOCUMENT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

☑ New   ☐ OTR   ☐ Sole Source   ☑ Bid Waiver   ☐ Emergency   Previous Contract/Project No.

Contract

☐ Re-Bid   ☐ Other –   LIVING WAGE APPLIES: ☐ YES ☐ NO

Requisition No./Project No.: RQID2100745   TERM OF CONTRACT [3] YEAR(S) WITH [ ] YEAR(S) OTR

Requisition /Project Title: NFORS Analytic Software from International Public Safety Data Institute (IPSDI)

Description: Miami Dade Fire Rescue presently uses the National Fire Operations Reporting Service (NFORS) software subscription to understand and optimize using the same measures used in the fire rescue industry. The department is requesting to enter into an agreement with International Public Safety Data Institute (IPSDI), the owner of this proprietary subscription service for a 3-year period.

Issuing Department: SPD   Contact Person: Margaret Brown   Phone: 3053754914

Estimate Cost/Value: 72,900.00   GENERAL   FEDERAL   OTHER

Funding Source: Fire Distric

ANALYSIS

Commodity Codes:	91893	92002	92003	95285

Contract/Project History of previous purchases three (3) years

Check here ☐ if this is a new contract/purchase with no previous history.

	EXISTING	**2ND YEAR**	**3RD YEAR**
Contractor:	International Public Safety Data Institute (IPSDI)		
Small Business Enterprise:			
Contract Value:			

Comments:

Continued on another page (s):   ☐ YES   ☑ NO

RECOMMENDATIONS

	Set-Aside	Subcontractor Goal	Bid Preference	Selection Factor
SBE				

Basis of Recommendation:

Signed: Margaret Brown

Date sent to SBD: 5/5/2023

Date returned to SPD:

Miami-Dade Fire Rescue's objective is to have the ability to gather, organize and translate data to improve how risks are evaluated, deploy resources and respond to emergencies. Also, the ability to assemble, analyze, and report information from fire, rescue, and law enforcement data.   This data should be presented via a business intelligence-style dashboard and visualization interface. The dashboard should be a customized dashboard displayed with live interaction. The ability to filter and drill down into data for operational insights is critical.

Miami Dade Fire Rescue presently uses the National Fire Operations Reporting Service (NFORS) subscription for analyzing and evaluating critical data. It was initially acquired on 07/31/2020 via direct payment. NFORS Analytics is integrated directly with MDFR's Computer Aided Dispatch System (CAD) and Records Management System (RMS) for automatic extraction of operational data and creates reports based on this data. MDFR can monitor their call processing, alarm handling, turnout time, and more in real-time. NFORS Analytics will show if MDFR is meeting their standards and where they can improve.

Also, NFORS collects Performance Data for Fire Departments throughout the Country and has created a portal where fire departments go to compare how they are doing. NFORS created a set of reports based on data coming from the Computer Aided Dispatch System and from each Department's Records Management System. The Data Analytics already developed will allow MDFR to evaluate performance using the same measures used in the industry. This data is then presented via a business intelligence-style dashboard and visualization interface.

To elaborate, NFORS Analytics is implemented by connecting with a fire department's CAD, RMS or data warehouse, for automatic extraction of operational data for ALL TYPE responses. The NFORS Analytics may require minimal programming modification to a local CAD to assure that the appropriate operational data elements are captured. As operational data flow from a local fire department CAD system into the NFORS Analytics Library, they are immediately analyzed and available for use in local department reporting. The data are updated as often as the department and dynamic reports are continually updated. Local Fire Departments still own their data. All data are also accumulated into a national database that lives on Amazon Web Services (AWS) in a secured environment.

NFORS is designed to exchanged data with virtually any other data system. Results are displayed on your departments customized dashboard. These dashboards with live data assure usable information about operations. Incident Type Analysis is used, where response frequency is assessed as relative for the selected time window for each unit. The data is broken down into 5 subsets to describe the response from slow to typical too busy. Travel Time Analysis is used to analysis and provides three different metrics. Incident Timeline Analysis breaks the portion of the time spent at each incident in one of six main categories: turnout time, travel time, intervention time, transport, post transport, and out-of-service/cancelled.

As a part of the implementation number of fields in NFORS rely on a one-time exchange of data with the fire department. These fields will typically not respond to changes in the CAD interface, and at present must be updated by a subsequent exchange of information with the department. These fields are as follows:

Shift Schedule — The fire department's shift schedule for appending the shift to incoming incidents. This typically does not change except under extraordinary circumstances.
Apparatus Unit ID and Unit Type— The unit IDs associated with the department's apparatuses, and what type of apparatus they are, e.g. Engine, BLS, ALS, Rescue, etc. This can change when the department is retiring or acquiring apparatuses.

Apparatus Station Assignments — The station to which a given apparatus is assigned. This field can actually change operationally, but except in the case of very large departments is generally quite static. Note that some CAD systems can also supply this information more dynamically.

Overall, data gathered and translated from NFORS improve how risks are evaluated, resources are deployed and emergencies are responded to.

MARKET RESEARCH

Contract No.:	Recommendation:
Title: NFORS from International Public Safety Data Institute (IPSDI)	☐ Exercise Option to Renew (OTR) ☒ Non-Competitive Acquisition ☐ Solicit Competition ☐ Access Contract ☐ Other
Procurement Contracting Officer/Associate: Margaret Brown	

Background:

Miami Dade Fire Rescue presently uses the National Fire Operations Reporting Service (NFORS) subscription to understand and optimize the delivery using data. It was initially acquired on 07/31/2020 via direct payment. NFORS Analytics is integrated directly with MDFR's CAD or Records Management System for automatic extraction of operational data. It creates reports based on data coming from the Computer Aided Dispatch System and from the Department's Records Management System. MDFR can monitor their call processing, alarm handling, turnout time, and more in real-time. NFORS Analytics will show if MDFR is meeting their standards and where they can improve. NFORS works hand-in-hand with the Fire Community Assessment Risk Evaluating System (FireCARES) which MDFR utilizes. MDFR states that NFORS is not only cost effective to the department but is the quickest, most comprehensive way to leverage the Department's data and reduce injury, death, and property loss. This is a service that fire departments throughout the country use to look at performance data. The data analytics already developed will allow the fire department to evaluate performance using the same measures used in the industry.

Additionally, MDFR will be able to compare their performance with other agencies in the country. The department is requesting to enter into an agreement with International Public Safety Data Institute (IPSDI), the owner of this proprietary subscription service. IPSDI procures, assembles, analyzes, and reports information from fire, rescue, and law enforcement data. For example: what are they doing with our information? The IPSDI also provides live dashboards for local public safety agencies to assure usable information about operations. The present NFORS Annual Subscription period is May 1, 2022 through April 30, 2023. MDFR is requesting a 3-year subscription service valued at $75,000, using Fire District funding.

Research Conducted:

Market research via Google, supported IPSDI being the proprietary owner of NFORS. This subscription service was found to be utilized by other fire department organizations. No other product was found to provide this service. To date, MDFR has invested $75,000 in this product. No competitive awarded contracts were found. IPSDI is the only vendor in the country that offers NFORS Analytics.

Some departments found already utilizing the integration of NFORS with First Arriving's Digital Dashboards include:

1. Adams County Fire Rescue
2. Bellevue Fire
3. Boston Fire Department
4. Carmel Fire Department
5. Cicero Fire/EMS
6. City of Chesapeake, VA Fire Department
7. City of Wheaton Illinois Fire Department
8. City of Fairfax Fire Department
9. St. Paul Fire Department
10. Delray Beach Fire Rescue
11. Fairfax County VA Fire & Rescue Department
12. Fairmount Fire Rescue
13. Fisher Fire Department
14. City of New Rochelle Fire Department
15. Noblesville Fire Department
16. Orange County Fire Rescue
17. Plainfield Fire Protection District in Plainfield, Ill.
18. Richmond Virginia Fire Dept.
19. Riviera Beach Florida Fire Rescue
20. Rogers Arkansas Fire EMS
21. Southern Platte Fire Protection Dist.
22. Tucson Fire Dept
23. Wayne TWP Fire Dept.
24. West Palm Beach Fire Rescue

RFI ID-EVN0000000 was issued on October , 2022 through October , 2022.

Comparable Contracts:

Requests were made to the Florida fire departments listed above for a copy of their contract with IPSDI. To date, Orange County, Delray Beach and West Palm Beach responded; both Orange County and Delray Beach has a direct agreement with IPSDI. These contracts cannot be accessed because they were not competitively solicited. WPB stated that they do not have a present agreement with IPSDI; they stated that they don't have city CAD anymore, only county. Their contact person stated that she believes this was a program they were trying out as the contract expired in 2018 and was a one-time fee.

Recommendation:
MDFR states that NFORS is not only cost effective to the department but is the quickest, most comprehensive way to leverage the Department's data and reduce injury, death, and property loss. Based on this info from the department and on the research that was conducted, it is in the best interest of the County to proceed with a non-competitive agreement with IPSDI. No other product was found to provide this type of service.

Margaret Brown, CPPB   *October 11, 2022*
Procurement Contracting Officer