

## GRANT APPLICATION SUMMARY SHEET

**Grant Name:** Port Security Grant Program (PSGP) 22-25  
**Department:** OFFICE OF EMERG. MGMT.  
**Grantor:** U.S. DEPARTMENT OF HOMELAND SECURITY

**Pass-Through Grantor (If applicable):**

**Total Applied For:** \$543,630.00

**Metro Cash Match:** \$181,210.00

**Department Contact:** Drusilla L. Martin  
862-5462

**Status:** CONTINUATION

**Program Description:**

This grant will provide the Police Department a Multi Hazard Rapid Maritime Response boat and equipment; and 2 tethered drones for cybersecurity purposes for the Nashville Fire Department.

**Plan for continuation of services upon grant expiration:**

The departments plan to continue the service after expiration of the grant based on available funding.

**APPROVED AS TO AVAILABILITY OF FUNDS:**

**APPROVED AS TO FORM AND LEGALITY:**

DocuSigned by:  
*Kelly Flannery* 6/9/2022  
 \_\_\_\_\_  
 CF513D4D905F45B  
**Director of Finance** <sup>DS</sup> **Date**  
 TE

DocuSigned by:  
*Mcki Eke* 6/9/2022  
 \_\_\_\_\_  
 30FFE061C815400  
**Metropolitan Attorney** <sup>DS</sup> **Date**

**APPROVED AS TO RISK AND INSURANCE:**

DocuSigned by:  
*Balogun Cobb* 6/9/2022  
 \_\_\_\_\_  
 68804FE12FD711  
**Director of Risk Management** <sup>DS</sup> **Date**  
**Services**

DocuSigned by:  
*John Cooper* 6/9/2022  
 \_\_\_\_\_  
 F0B3372652D9499  
**Metropolitan Mayor** <sup>DS</sup> **Date**

*(This application is contingent upon the application being approved by the Metro Council.)*

5448 B.A. Initials <sup>DS</sup> EDB

**Grants Tracking Form**

Part One

<b>Pre-Application</b> <input type="radio"/>		<b>Application</b> <input checked="" type="radio"/>		<b>Award Acceptance</b> <input type="radio"/>		<b>Contract Amendment</b> <input type="radio"/>	
Department		Dept. No.	Contact			Phone	Fax
OFFICE OF EMERG. MGMT.		49	Drusilla L. Martin			862-5462	880-3464
<b>Grant Name:</b>		Port Security Grant Program (PSGP) 22-25					
<b>Grantor:</b>		U.S. DEPARTMENT OF HOMELAND SECURITY				<b>Other:</b>	
<b>Grant Period From:</b>		09/01/22	<b>(applications only) Anticipated Application Date:</b>		06/07/22		
<b>Grant Period To:</b>		08/31/25	<b>(applications only) Application Deadline:</b>		06/10/22		
<b>Funding Type:</b>		FED DIRECT	<b>Multi-Department Grant</b>		<input checked="" type="checkbox"/> <b>If yes, list below.</b>		
<b>Pass-Thru:</b>			<b>Outside Consultant Project:</b>		<input type="checkbox"/> Nashville Fire Department, Metro Police Department		
<b>Award Type:</b>		COMPETITIVE	<b>Total Award:</b>		\$543,630.00		
<b>Status:</b>		CONTINUATION	<b>Metro Cash Match:</b>		\$181,210.00		
<b>Metro Category:</b>		Est. Prior.	<b>Metro In-Kind Match:</b>		\$0.00		
<b>CFDA #</b>		97.056	<b>Is Council approval required</b>		<input checked="" type="checkbox"/>		
<b>Project Description:</b>		Applic. Submitted Electronically? <input type="checkbox"/>					
This grant will provide the Police Department a Multi Hazard Rapid Maritime Response boat and equipment; and 2 tethered drones for cybersecurity purposes for the Nashville Fire Department.							
<b>Plan for continuation of service after expiration of grant/Budgetary Impact:</b>							
The departments plan to continue the service after expiration of the grant based on available funding.							
<b>How is Match Determined?</b>							
<b>Fixed Amount of \$</b>			or	25.0%	<b>% of Grant</b>	<b>Other:</b> <input type="checkbox"/>	
<b>Explanation for "Other" means of determining match:</b>							
For this Metro FY, how much of the required local Metro cash match:							
<b>Is already in department budget?</b>		YES		<b>Fund</b>	30003	<b>Business Unit</b>	31201000, 32214600
<b>Is not budgeted?</b>				<b>Proposed Source of Match:</b>		4%	
<b>(Indicate Match Amount &amp; Source for Remaining Grant Years in Budget Below)</b>							
<b>Other:</b>							
<b>Number of FTEs the grant will fund:</b>		0.00	<b>Actual number of positions added:</b>		0.00		
<b>Departmental Indirect Cost Rate</b>		40.00%	<b>Indirect Cost of Grant to Metro:</b>		\$217,452.00		
<b>*Indirect Costs allowed?</b> <input type="radio"/> Yes <input checked="" type="radio"/> No		<b>% Allow.</b>	0.00%	<b>Ind. Cost Requested from Grantor:</b>		\$0.00	<b>in budget</b>
<b>*(If "No", please attach documentation from the grantor that indirect costs are not allowable. See Instructions)</b>							
<b>Draw down allowable?</b> <input type="checkbox"/>							
<b>Metro or Community-based Partners:</b>							

Part Two

Grant Budget										
Budget Year	Metro Fiscal Year	Federal Grantor	State Grantor	Other Grantor	Local Match Cash	Match Source (Fund, BU)	Local Match In-Kind	Total Grant Each Year	Indirect Cost to Metro	Ind. Cost Neg. from Grantor
Yr 1	FY23	\$543,630.00	\$0.00	\$0.00	\$181,210.00	30003, 31201000, 30003, 32214600	\$0.00	\$0.00	\$217,452.00	\$0.00
Yr 2	FY_									
Yr 3	FY_									
Yr 4	FY_									
Yr 5	FY_									
<b>Total</b>		<b>\$543,630.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$181,210.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$217,452.00</b>	<b>\$0.00</b>
<b>Date Awarded:</b>			<b>Tot. Awarded:</b>			<b>Contract#:</b>				
<b>(or) Date Denied:</b>			<b>Reason:</b>							
<b>(or) Date Withdrawn:</b>			<b>Reason:</b>							

Contact: [trinity.weathersby@nashville.gov](mailto:trinity.weathersby@nashville.gov)  
[vaughn.wilson@nashville.gov](mailto:vaughn.wilson@nashville.gov)

TW

**Application for Federal Assistance SF-424****16. Congressional Districts Of:**

\* a. Applicant

TN-5

\* b. Program/Project

TN-5

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

**17. Proposed Project:**

\* a. Start Date:

09/01/2022

\* b. End Date:

08/31/2025

**18. Estimated Funding (\$):**

* a. Federal	543,630.00
* b. Applicant	181,210.00
* c. State	0.00
* d. Local	0.00
* e. Other	0.00
* f. Program Income	0.00
* g. TOTAL	724,840.00

**\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?** a. This application was made available to the State under the Executive Order 12372 Process for review on  b. Program is subject to E.O. 12372 but has not been selected by the State for review. c. Program is not covered by E.O. 12372.**\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)** Yes No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

**21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

 \*\* I AGREE

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

Prefix:

\* First Name:

DRUSILLA

Middle Name:

LYNN

\* Last Name:

MARTIN

Suffix:

\* Title:

EXECUTIVE ADMINISTRATOR

\* Telephone Number:

615-862-5462

Fax Number:

615-880-3464

\* Email:

DRUSILLA.MARTIN@NASHVILLE.GOV

\* Signature of Authorized Representative:

Drusilla L Martin

\* Date Signed:

05/25/2022

### CERTIFICATION REGARDING LOBBYING

#### Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

#### Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

If any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions. Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

**\* APPLICANT'S ORGANIZATION**

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

**\* PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE**

Prefix:  \* First Name: DRUSILLA Middle Name: LYNN

\* Last Name: MARTIN Suffix:

\* Title: EXECUTIVE ADMINISTRATOR

\* SIGNATURE: Drusilla L Martin \* DATE: 05/25/2022

**Areas affected by this project**

The areas that will be affected by this project is Davidson County.

MNPD

## **Investment Justification 1**

### **Police Multi Hazard Rapid Maritime Response - Boat**

The purpose is to improve the detection, deterrence, prevention, and response to hazards in the Port of Nashville by the Metro Police. The port waterfront areas are where Nashville lives, works, plays, and has large gatherings.

This investment will provide a multi-use and multi-hazard landing craft style police patrol boat for critical infrastructure water patrols, EOD divers, rescue task force members, SAR members, and tactical operators. This investment also provides fire protection suits, night vision, thermal imaging, multi-band radio communications, community resiliency medical training, and suspicious activity reporting community training.

**Totals = \$255,000.00 (Fed) & \$85,000.00 (PD Match) = \$340,000.00**

## **Investment Justification 2**

### **Police Multi Hazard Rapid Maritime Response – Equipment**

The purpose is to improve the detection, deterrence, prevention, and response to hazards in the Port of Nashville by the Metro Police. The port waterfront areas are where Nashville lives, works, plays, and has large gatherings.

This investment will enhance **IJ1** by providing the essential equipment to be used by the personnel working from the multi-use and multi-hazard landing craft style police patrol boat. The equipment will aid in critical infrastructure water patrols, EOD diver ops, rescue task force ops, SAR ops, and tactical missions. This investment also provides EOD X-ray system, EOD diver gear, fusion center connected thermal and standard camera systems, cyber security equipment, community resiliency medical training, and suspicious activity reporting community training.

**Totals = \$147,000.00 (Fed) & \$49,000.00 (PD Match) = \$196,000.00**

### **Police PSG Program Totals**

**Totals = \$402,000.00 (Fed) & \$134,000.00 (PD Match) = \$536,000.00**

### **Investment Justification 3**

*NFD*

***A description of the project you are applying. This will address and satisfy the cyber component piece of the grant by purchasing 2 (two) Tethered Drones to be used for reconnaissance during events/incidents and for monitoring of large events at waters edge or on water.***

Fed \$141,630 + Match \$47,210 = \$188,840

DEPARTMENT OF HOMELAND SECURITY FEDERAL EMERGENCY MANAGEMENT AGENCY PORT SECURITY GRANT PROGRAM INVESTMENT JUSTIFICATION				Sensitive Security Information OMB Control Number 1660-0114 Expiration: 11/30/2023
<b>Warning: Please follow the Notice of Funding Opportunity Guidance and Preparedness Grants Manual while completing this form.</b>				
<b>PART I - INVESTMENT HEADING</b>				
1) ORGANIZATION NAME (Legal Name Listed On The SF-424): <b>Metropolitan Government of Nashville and Davidson County</b>			2) STATE OR TERRITORY IN WHICH THE PROJECT WILL BE IMPLEMENTED: <b>Davidson County, Tennessee</b>	
3) TYPE OF ORGANIZATION: <b>Public</b>		4) CLASSIFICATION OF ORGANIZATION: <b>Local Agency</b>	5) CAPTAIN OF THE PORT ZONE: <b>Ohio Valley</b>	
<b>PART II - BASIC PROJECT INFORMATION</b>				
6) PROJECT TITLE: <b>Police Multi Hazard Rapid Maritime Response - Boat</b>		7) PROJECT DESCRIPTION (SERVICE(S)/EQUIPMENT SUMMARY): <b>Response Boat, Portable Radio, Medical Supplies, 4 Optics, IED/EOD Protective Outer Clothing</b>		
8) HAS THIS PROJECT BEEN FUNDED BY PS GP OR ANOTHER FEDERAL ASSISTANCE PROGRAM IN THE LAST 3 YEARS? <b>No</b>				
9) IF SO, WHEN WAS THE LAST TIME IT WAS FUNDED? <b>N/A</b>		10) WHICH PROGRAM FUNDED THIS CAPABILITY? <b>N/A</b>		
11) PROVIDE JUSTIFICATION THAT SUPPORTS FUNDING THIS PROJECT AGAIN: <b>N/A</b>				
12) PROJECT CATEGORY: <b>Equipment</b>		13) NEW CAPABILITY OR MAINTENANCE/SUSTAINMENT: <b>New Capability</b>		
14) IS THIS PROJECT EXEMPT FROM THE REQUIRED COST SHARE OUTLINED IN 46 U.S.C. 70107? <b>No</b>				
15) IF YES, IDENTIFY COST SHARE EXEMPTION <b>N/A</b>				
16) FEDERAL SHARE: <b>\$255,000</b>		17) COST SHARE: <b>\$85,000</b>	18) TOTAL PROJECT COST: <b>\$340,000</b>	
<b>PART III - ELIGIBILITY INFORMATION</b>				
PLEASE REVIEW THE NOTICE OF FUNDING OPPORTUNITY AND 46 U.S.C. 70107				
19) WHICH PLAN(S) APPLIES TO YOUR ORGANIZATION? <b>AREA MARITIME SECURITY PLAN:</b>		<b>Yes</b>	FACILITY SECURITY PLAN: <b>Yes</b>	
20) STATE AND LOCAL AGENCIES – IS YOUR AGENCY REQUIRED TO PROVIDE PORT SECURITY SERVICES TO MTSA REGULATED FACILITIES? <b>Yes</b>				
21) IF YES, HOW MANY MTSA REGULATED FACILITIES IS YOUR ORGANIZATION REQUIRED TO PROVIDE SERVICES? <b>5</b>				
<b>PART IV - ORGANIZATIONAL INFORMATION</b>				
22) IS YOUR ORGANIZATION AN ACTIVE PARTICIPANT OF AN AREA MARITIME SECURITY COMMITTEE? <b>Yes</b>		23) IS THIS APPLICATION ON BEHALF OF ANOTHER ENTITY OR SUBMITTED AS A CONSORTIUM? <b>No</b>		
24) IS THE PROJECT SITE OWNED BY YOUR ORGANIZATION? <b>Yes</b>		25) IS THE PROJECT SITE OPERATED BY YOUR ORGANIZATION? <b>Yes</b>		
26) IF THE PROJECT SITE IS NOT OWNED OR OPERATED BY YOUR ORGANIZATION, PLEASE EXPLAIN YOUR ORGANIZATION'S RELATION TO THE PROJECT SITE: <b>N/A</b>				
27) IS THE PROJECT SITE A FACILITY OR VESSEL THAT IS REGULATED UNDER THE MARITIME TRANSPORTATION SECURITY ACT OF 2002, AS AMENDED? <b>No</b>				
28) STATE AND LOCAL AGENCIES – IS YOUR AGENCY THE PRIMARY RESPONDER TO MTSA REGULATED FACILITIES? <b>Yes</b>				
<b>PART V - POINT(S) OF CONTACT FOR ORGANIZATION</b>				
29) SIGNATORY AUTHORITY FOR ENTERING INTO A GRANT AGREEMENT			30) AUTHORIZED REPRESENTATIVE FOR THE MANAGEMENT OF THE PROJECT	
NAME: <b>Drusilla Martin</b>			NAME: <b>Drusilla Martin</b>	
ORGANIZATION: <b>Office of Emergency Management</b>			ORGANIZATION: <b>Office of Emergency Management</b>	
ADDRESS: <b>2060 15th Ave S, Nashville, TN 37212</b>			ADDRESS: <b>2060 15th Ave S, Nashville, TN 37212</b>	
PHONE: <b>615-862-5462</b>			PHONE: <b>615-862-5462</b>	
EMAIL: <a href="mailto:drusilla.martin@nashville.gov">drusilla.martin@nashville.gov</a>			EMAIL: <a href="mailto:drusilla.martin@nashville.gov">drusilla.martin@nashville.gov</a>	
<b>PART VI - PHYSICAL LOCATION OF PROJECT</b>				
31) PHYSICAL ADDRESS OF THE PROJECT LOCATION: Street: <b>2060 15th Ave S</b> Address: City: <b>Nashville</b> State: <b>TN</b> Zip: <b>37212</b> LATITUDE & LONGITUDE: <b>36.130398/-86.791053</b>			32) BRIEF DESCRIPTION OF THE PROJECT LOCATION: <b>The location of the project being implemented is the county of Davidson, TN. The equipment will be stored at various county locations in close proximity to the Port of Nashville so there can be immediate accessibility.</b>	
<b>STATE AND LOCAL AGENCIES ONLY – ROLE IN PROVIDING LAYERED PROTECTION OF MTSA REGULATED ENTITIES</b>				
33) DESCRIBE YOUR ORGANIZATION'S SPECIFIC ROLES, RESPONSIBILITIES AND ACTIVITIES IN DELIVERING LAYERED PROTECTION, AND IDENTIFY THE FACILITIES TO WHICH YOUR AGENCY IS REQUIRED TO PROVIDE SECURITY SERVICES. <b>The Metropolitan Government of Nashville and Davidson County is responsible for a multi-discipline, all hazards response to all locations within Davidson County. The law enforcement public safety responders within the county are provided by the Metropolitan-Nashville Police Department. In addition to the traditional police services, the department provides the city's 7 helicopters, a 30 officer police urban search and rescue team which includes FEMA Type 1 swift water rescues, waterborne patrol and response assets, a 45 officer FEMA Type I SWAT/tactical team, a 12 officer Type II public safety EOD dive team, a 10 officer FEMA Type I FBI accredited bomb squad with two bomb technicians being FBI certified maritime divers, a NIMS Level II RAD/NUC response package, and a newly formed Real Time Crime Center (fusion center).</b> <b>All of the city's public safety agencies, represented by this investment justification, are active members of the AMSC and are listed in the Port Risk Mitigation Plan. The Port of Nashville encompasses a multitude of critical facilities that are subject to transportation security incidents. Among the most critical assets in the Nashville area include the Old Hickory Lock and Dam and the J. Percy Priest Hydroelectric Dam. The city's public safety agencies are tasked with security patrols, soft target protection, rapid armed intervention, fire suppression, and emergency medical services to any maritime security threat incident. They also provide water rescue personnel, water patrols, hazardous materials responders, bomb technicians, and EOD divers. These capabilities are housed in close proximity to the Port of Nashville's access points throughout Davidson County and can be deployed upon request, during normal patrols, or immediately in response to an emergency incident.</b> <b>The agencies also provide a layered protection for many regulated entities and critical infrastructure within the port such as: The Music Valley Landing, Old Hickory Lock and Dam, J. Percy Priest Hydroelectric Dam, Metro Water Services processing facilities, Cumberland River Railroad Turn Bridge, Cumberland River Railroad Bridge, N&amp;W Railroad Turn Bridge, Sillman Evans Bridge, Interstate 65 Bridge over the Cumberland River, Nashville, TN, the Capital of Tennessee, the Port of Nashville, General Jackson Showboat and its facilities, Nissan NFL Stadium, Ascend Amphitheater, First Tennessee Ball Park, Marathon Fuel Bordeaux, Marathon Fuel Nashville Downtown, ExxonMobil, Hines Furlong Fleeting Area, and two Historic Black Colleges or Universities - Tennessee State University and American Baptist College.</b>				
<b>PART VII MARITIME SECURITY MOU, MOA AND/OR MUTUAL AID AGREEMENTS</b>				

<b>34) IF YOUR AGENCY PROVIDES SECURITY SERVICES TO MTSA REGULATED FACILITIES, IDENTIFY AND DESCRIBE THE TYPE(S) OF AGREEMENT(S) THAT REQUIRES YOUR AGENCY TO DIRECTLY PROVIDE PORT SECURITY SERVICES TO MTSA REGULATED FACILITIES.</b>	
<p>The Metropolitan Government of Nashville and Davidson County is responsible for a multi-discipline, all hazards response to all locations within Davidson County. All of the city's public safety agencies, represented by this investment justification, are active members of the AMSC and are listed in the Port Risk Mitigation Plan. The Port of Nashville encompasses a multitude of critical facilities that are subject to transportation security incidents. The city's public safety agencies are tasked with security patrols, soft target protection, rapid armed intervention, fire suppression, and emergency medical services to any maritime security threat incident. The primary law enforcement public safety agency within the county is the Metropolitan-Nashville Police Department.</p> <p>The agencies provide a layered protection for many regulated entities and critical infrastructure within the port such as:                  The Music Valley Landing, Old Hickory Lock and Dam, J. Percy Priest Hydroelectric Dam, Metro Water Services processing facilities, Cumberland River Railroad Turn Bridge, Cumberland River Railroad Bridge, N&amp;W Railroad Turn Bridge, Silliman Evans Bridge, Interstate 65 Bridge over the Cumberland River, Nashville, TN, the Capital of Tennessee, the Port of Nashville, General Jackson Showboat and its facilities, Nissan NFL Stadium, Ascend Amphitheater, First Tennessee Ball Park, Marathon Fuel Bordeaux, Marathon Fuel Nashville Downtown, ExxonMobil, Hines Furlong Fleeting Area, and two Historic Black Colleges or Universities - Tennessee State University and American Baptist College.</p> <p>The General Jackson Showboat and its facility, Marathon Bordeaux, Marathon Nashville Downtown, ExxonMobil, and Hines Furlong Fleeting Area are MTSA regulated facilities.</p> <p>The Metropolitan Government of Nashville and Davidson County has the lead law enforcement, EMS, and fire services responsibilities for the county to include the Port of Nashville. Through law, city charter, MOUs, MOAs, and trespass waivers with businesses, they are required to directly provide port security services to MTSA regulated facilities located in the port. The city and the police department have MOUs with many agencies and facilities including the Federal Bureau of Investigation (for bomb squad response service), U.S. Army Corp of Engineers, Tennessee Wildlife Resource Agency (TWRA), and several commercial businesses that cover the waterway and adjacent bank areas of the port.</p>	
<b>PART VIII - ALL AGENCIES/ORGANIZATION – IMPORTANT FEATURES</b>	
<b>35) DESCRIBE ANY OPERATIONAL ISSUES YOU DEEM IMPORTANT TO THE CONSIDERATION OF YOUR APPLICATION, SUCH AS LACKING OR INADEQUATE CAPABILITIES OR ASSETS WITHIN THE PORT AREA TO MITIGATE MARITIME SECURITY VULNERABILITIES BEING ADDRESSED BY THIS PROJECT.</b>	
<p>On Christmas day in 2020 Nashville suffered a vehicle based improvised explosive device incident. The explosion was caused by a vehicle bomb carried in a RV that was parked outside an AT&amp;T network facility on Second Avenue North in downtown. The incident occurred within 200 yards of the Port of Nashville water's edge. Before detonation, the area was quickly evacuated saving many lives. Moments before the Hazardous Device Unit (bomb Squad) arrived, the VBIED initiated resulting in eight injuries, the death of the suspect, several downtown buildings being damaged or destroyed, and millions in economic losses.</p> <p>In 2021 a Cessna 501 Citation crashed into the J. Percy Priest lake and all seven occupants perished. The Nashville Office of Emergency Management's Dive Team and the Metro Nashville Police Dive Team worked with several other agencies to include investigators from the National Transportation Safety Board (NTSB) to recover the remains of the victims and key components of the aircraft.</p> <p>During the subsequent after action reviews several capability gaps were identified to include the below listed ones being addressed by this investment justification:</p> <ul style="list-style-type: none"> <li>• Provide a waterborne platform to patrol critical infrastructure in the port</li> <li>• Provide waterborne streaming real-time video to the city's fusion center</li> <li>• Provide a waterborne platform to patrol mass gatherings and soft targets in the port</li> <li>• Provide a dive platform for the EOD divers</li> <li>• Provide a waterborne delivery platform for rescue task force, tactical, medical, hazmat, USAR, and bomb squad personnel</li> <li>• Provide a waterborne delivery platform for palletized resources</li> <li>• Provide a waterborne delivery platform for all terrain and utility vehicles in the port</li> <li>• Provide equipment to field four additional divers</li> <li>• Provide resiliency medical training and equipment to our maritime partners until our responders can arrive to help</li> <li>• Provide information sharing between our local agencies, the state agencies, and the federal agencies</li> <li>• Provide training to our commercial port partners on what and how to report suspicious activities they observe</li> <li>• Provide equipment to ensure cyber security is maintained during the dissemination of the intelligence information</li> </ul> <p>All departments under the Metropolitan Government of Nashville and Davidson County which have vessels share CI/KR patrol responsibilities. The police and fire departments also share response and rescue responsibilities. This project demonstrates true multi agency cooperation, integration, and sharing. It will also build on a recently established capability of a state and national deployable asset in the event of a catastrophic disaster.</p> <p>The program is in accordance with the FEMA vision for a Prepared and Resilient Nation as outlined in the FEMA Strategic Plan. The investment is aligned with the Port Risk Mitigation Plan, the Sector Ohio Valley RAD/NUC Detection CONOPS Plan, RND Equipment, Training, and Exercise Guidelines, and the Port of Nashville Annex Detection Plan. It is also in compliance with the policies, practices, software, and training of employees in line with the Cybersecurity National Priority. We are currently in the assessment process as detailed in the Cyber Resilience Review (CRR) and conduct our own biannual internal assessments.</p>	
<b>PART IX - INVESTMENT JUSTIFICATION ABSTRACT</b>	
<b>36) WHAT ASSET(S) OR SERVICE(S) WOULD THIS PROJECT INVESTMENT FUND (i.e. vessels, radios, cameras, construction, service contracts, fencing etc.)? * For training requests, a course number and title are required.</b>	Response Boat, Portable Radio, Medical Supplies, 4 Optics, IED/EOD Protective Outer Clothing
<b>37) IDENTIFY SIMILAR ASSETS THAT ALREADY EXIST:</b>	None, this will add new capabilities.
<b>38) SPECIFY VULNERABILITIES IDENTIFIED WITHIN AN AREA MARITIME SECURITY PLAN, FACILITY SECURITY PLAN, VESSEL SECURITY PLAN, OR OTHER IDENTIFIED PLAN(S) THAT THIS PROJECT CLOSURES/MITIGATES.</b>	
<p>The investment directly addresses several of the gaps which the Metropolitan Nashville Police Department identified during their AAR from the 2020 Nashville Bombing and the 2021 Nashville Plane Crash into J. Percy Priest Lake. The equipment and training will help address several vulnerabilities listed in the MNPD's AARs and the Area Maritime Security Plan for the Port of Nashville. The Metropolitan Government of Nashville and Davidson County is the lead law enforcement, EMS, and fire service provider. All Facility Security and Vessel Security Plans rely on the Metropolitan Government to provide law enforcement, medical, fire, and Hazmat/CBRNE services to mitigate or assist with any potential TSI within the Port of Nashville.</p>	
<b>39) SUMMARIZE THE PROPOSED INVESTMENT JUSTIFICATION.</b>	
<p>THE FOLLOWING MUST BE INCLUDED:</p> <ul style="list-style-type: none"> <li>• DESCRIBE HOW THIS INVESTMENT ADDRESSES THE CAPTAIN OF THE PORT'S PRIORITIES</li> <li>• EXPLAIN HOW THIS INVESTMENT WILL ACHIEVE A MORE SECURE AND RESILIENT PORT AREA</li> <li>• IF SIMILAR CAPABILITIES ALREADY EXIST, EXPLAIN WHY ADDITIONAL ASSETS/SERVICES ARE NEEDED.</li> </ul> <p>The Metropolitan Government is seeking a PSG for the Metro-Nashville Police department that addresses capability gaps as identified above. The purpose is to improve the detection, deterrence, prevention, and response to hazards in the Port of Nashville. The port waterfront areas are where Nashville lives, works, plays, and has large gatherings. This investment will provide a multi-use and multi-hazard landing craft style police patrol boat for critical infrastructure water patrols, EOD divers, rescue task force members, SAR members, and tactical operators. This investment also provides fire protection, night vision, multi-band radio communications, intelligence, cyber</p>	

security, medical, and community resiliency equipment and medical training.

The investment will enhance maritime security awareness, intelligence sharing, interoperable communications with state and federal partners, enhance improvised explosive device mitigation, and address CBRNE deterrence, detection, prevention, protection, and response. The investment will directly improve port resiliency, recovery capabilities, and assist with training and exercises in the port. The investment is in-line with the national priorities along with the port priorities. The investment will also greatly enhance the integrated police and EMS response and recovery capabilities during both land and maritime operations in daytime, low-light, and no-light environments. The requested equipment will provide the necessary resources to enhance the rescue task force (RTF) model for combined police and EMS responses to incidents of active aggression in the CBRNE related transportation security incident (TSI) context. The RTF concept mitigates risk by using procedures, training, and protective equipment, while providing rapid stabilization, treatment, and evacuation of the wounded despite hazardous conditions that would otherwise delay treatment.

The aluminum landing craft will be used for port security patrols, dive, SAR functions, EOD Ops, and can deliver equipment such as ATVs and palletized supplies to shorelines. The watercraft will also patrol the soft targets, crowded areas, and events in the port. During search operations the watercraft will be used as a base to effectively plan and manage the search efforts. The portable radio with all-band technology will ensure communication to our local, state, and federal partners to include our real time crime center (MNPD Fusion Center). The intelligence information will be transmitted via the encrypted radio and its system which is protected by cyber security hardware and security protocols.

The night-vision devices will be used by the vessel operators and crew. They will be used for inclement weather navigation and search operations involving lost victims and tactical maritime operations.

The medical training supplies will be used to host "Stop the Bleed" courses for the Nashville Port partners, both public and private. These classes will be conducted without cost to the students with Metro Nashville providing the no cost instructors. The training and supplies are part of our training and awareness campaign and will increase the community's resiliency by providing a means to stop the bleeding until the first responders arrive.

The investment requests funding to extend maritime response capabilities through improved technology. The proposed investment is in direct support of the Captain of the Port's priorities listed as "Most Probable TSI within the Nashville AOR" all of which will likely result in a mass casualty incident:

- (5511) Intrude/take control of tow/barge and create Chemical, Biological, Radiological, Nuclear and Explosive (CBRNE) or pollution incident without destroying target
- (5512) External attack by moving explosives adjacent to the target
- (5513) External attack by ramming vessel/boat into a target or intrude/take control and take hostages/kill people
- Intrusion and intentional damage or destruction
- Detonation of explosive device or CDC barge, or ramming by commercial vessel
- Detonation of explosive device on or the ramming of target by a commercial vessel to create a Chemical, Biological, Radiological, Nuclear, and explosive (CBRNE) pollution incident in or near the high-density population area

**PART X - NATIONAL PRIORITIES**

40) IDENTIFY ONE PROGRAM PRIORITY THIS INVESTMENT MOST CLOSELY SUPPORTS (Program Priorities are identified in the NOFO):	Program Priority 2
41) DESCRIBE HOW, AND THE EXTENT THIS INVESTMENT JUSTIFICATION MEETS ONE OR MORE OF THE NATIONAL PRIORITIES.	

The proposed investment meets the national priorities with the capabilities required across the whole community to prevent, protect against, mitigate, respond to, and recover from the threats and hazards that pose the greatest risk. From a whole port perspective, this investment adds new capabilities and enhances existing capabilities of the emergency services providers within the Port of Nashville and for the COTP Ohio Valley Sector. The capabilities include threat interdiction prior to casualties, protect further loss of life during an incident, mitigation of threats and the ability of emergency services to provide continued services in the recovery phase of TSI and other catastrophic disasters with the potential for mass casualties. The investment specifically addresses vulnerabilities outlined in the Ohio Valley Area Maritime Security Assessment Report as included in the COTP Ohio Valley Area Maritime Security Plan.

The most probable transportation security incident scenario is the use of a certain dangerous cargo barge to attack a high-density population area. This vulnerability is a concern in the Port of Nashville due to the high number of residents moving into the riverfront and river adjacent areas within the port. A study from the University of Tennessee shows the population boom for the Mid-state is expected to continue, with over half a million people moving to Nashville in the next few years, with many population centers along the Cumberland River. New major mixed residential/commercial properties are being planned or built along the banks of the Cumberland River. This investment enhances the capability to provide an armed response to vessels that present a threat, waterborne capabilities to interdict such vessels, and the CBRNE capabilities to mitigate the hazards presented by the contents of the CDC barges.

The AMSP also identifies one of the most probable TSI(s) is from a vessel borne IED to attack spectators during a large marine event. The Port of Nashville is particularly vulnerable to this type of attack due to the high number of large-scale events situated on the Cumberland River. Some of the largest events in this category include the 4th of July Celebration, CMA Music Festival, New Year's Eve celebration, NFL games, baseball games, and concerts at the venues adjacent to the river. Many of the events have 75-250K or more attendees. This investment enhances the existing capabilities to respond to threats before casualties occur, which also introduces a new capability to respond to and recover from mass casualty events. This is accomplished by increasing the distance and type of terrain where tactical and medical personnel can be transported, to provide life-saving care at the point of wounding or injury. Finding and treating patients could be done in concert with efforts to extricate victims to a casualty collection point.

A third vulnerability assessed is the threat of a high jacked vessel or IED attack of a large passenger vessel. The Port of Nashville hosts large numbers of tourists that board large passenger vessels such as the General Jackson. Equipment proposed in the investment addresses this vulnerability. Our FEMA Type I SWAT/tactical team and FEMA Type I FBI Bomb Squad conduct regular training to develop the tactics, techniques, and procedures to integrate the two teams when responding to both armed and explosive threats.

This investment is requesting related equipment to support the training and expansion of this capability and the enhancement of equipment for the purpose of life safety and survivability of team members. An additional vulnerability that falls into IED category is the possibility of an IED to destroy a waterfront facility to create a major CBRNE incident or mass casualty event. The investment needs, as stated above, apply to this scenario, and further addresses the capability to respond to, mitigate the loss of life, and assist in recovery operations should the facility be compromised. Combined police/EMS waterborne capabilities and rescue equipment would greatly reduce the loss of life in such an occurrence. The emergency service providers of the Metro Government of Nashville and Davidson County regularly conduct training exercises with public safety partners to include TWRA, USCG, OEM, NFD, and TEMA, all of which would benefit from the increased capabilities in this investment. Nashville police, fire, and EMS have also conducted department wide training individually and jointly that specifically address the need for small unit level entry and rescue training while providing medical attention to victims. This training has been in the active aggressor context. This investment will complement the established Maritime Rescue Task Force in the context of the Port of Nashville and the greater Ohio Valley COTP zone. The Metro Government of Nashville identified a large vulnerability in its mass gatherings in the port area. Since Nashville routinely lists as a top destination for tourists, conventions and special events, Nashville has devoted significant resources in personnel, training hours, funds, equipment, and technologies to enhance its deterrence, detection, prevention, response, and mitigation of this vulnerability. Nashville has used its own funds to train its 1500+ officers and over 300 Nashville Fire EMTs on responses to active shooter and rescue task force situations. All of these first responders have been issued personal floatation devices, water rescue throw bags, and medical supplies. The awarding of the grant will ensure we properly enhance the program of integrated police and EMS responses and recovery capabilities, during both land and maritime operations, in daytime and no-light environments by providing the necessary resources to continue to incorporate the RTF for the police and EMS who are responding to incidents of active aggression in the Port of Nashville.

**PART XI - IMPLEMENTATION PLAN**

42) PROVIDE A HIGH-LEVEL TIMELINE OF MILESTONES FOR THE IMPLEMENTATION OF THIS INVESTMENT, SUCH AS PLANNING, TRAINING, EXERCISES, AND MAJOR ACQUISITIONS OR PURCHASES. UP TO 10 MILESTONES MAY BE SUBMITTED.

THE FOLLOWING MUST BE INCLUDED:

- MAJOR MILESTONES OR RELEVANT INFORMATION THAT IS CRITICAL TO THE SUCCESS OF THE INVESTMENT
- MAJOR TASKS THAT WILL NEED TO OCCUR (E.G. DESIGN AND DEVELOPMENT, CONTRACTUAL AGREEMENTS, PROCUREMENT, DELIVERY, INSTALLATION AND PROJECT COMPLETION)
- ESTIMATED PERCENTAGE FOR EACH MILESTONE BASED ON COMPLEXITY AND SIGNIFICANCE (MILESTONES MUST COLLECTIVELY EQUAL 100%)

Milestones	Start Date (mm/yyyy)	Completion Date (mm/yyyy)	Percentage of Project
1. Vendors to be contacted for demonstrations	10/2022	10/2023	20%
2. Equipment will be selected	10/2022	10/2023	20%
3. Equipment will be Ordered from Vendor	10/2022	10/2023	20%
4. Equipment will be distributed	11/2022	05/2024	20%
5. Training Classes will be Conducted (If Applicable)	01/2023	05/2024	20%
6.			
7.			
8.			
9.			
10.			
<b>Total Percentage of Project</b>			<b>100%</b>

[Click To Proceed to Budget 1](#)

**PSGP Budget Detail Worksheet** Sensitive Security Information

**A. Personnel.** List each position by title and name of employee, if available. Show the annual salary rate and the percentage of time to be devoted to the project. Compensation paid for employees engaged in grant activities must be consistent with that paid for similar work within the applicant organization.

Name/Position	Description of Project Work Activities	Computation	Cost
Name/Position for Management and Administration	Description of Management and Administration Activities	Computation	Cost
		<b>Total Personnel</b>	

**B. Fringe Benefits.** Fringe benefits should be based on actual known costs or an established formula. Fringe benefits are for the personnel listed in budget category (A) and only for the percentage of time devoted to the project.

Name/Position	Description of Fringe Benefits	Computation	Cost

Name/Position for Management and Administration	Description of Fringe Benefits	Computation	Cost
			<b>Total Fringe Benefits</b>

**C. Travel.** Itemize travel expenses of project personnel by purpose (e.g., staff to training, field interviews, advisory group meeting, etc.). Show the basis of computation (e.g., six people to three-day training at \$X airfare, \$X lodging, \$X subsistence). In training projects, travel and meals for trainees should be listed separately. Show the number of trainees and unit costs involved. Identify the location of travel, if known. Indicate source of Travel Policies applied, Applicant or Federal Travel Regulations.

Purpose of Travel	Location	Computation	Cost
Purpose of Travel for Management and Administration	Location	Computation	Cost
			<b>Total Travel</b>

**D. Equipment.** List non-expendable items that are to be purchased. Non-expendable equipment is tangible property having a useful life of more than one year. (Note: Organization’s own capitalization policy and threshold amount for classification of equipment may be used).

Identify the Authorized Equipment List number (AEL #) for items requested. Expendable items should be included either in the “Supplies” category or in the “Other” category. Applicants should analyze the cost benefits of purchasing versus leasing equipment, especially high cost items and those subject to rapid technical advances. Rented or leased equipment costs should be listed in the “Contractual” category. Explain how the equipment is necessary for the success of the project. Attach a narrative describing the procurement method to be used. For CBRNE Vessels or Vehicles, list the specific CBRNE equipment that will be installed on the vessel or vehicle, including equipment already owned by the applicant.

Equipment (Type and AEL#)	Description and Purpose of Equipment	Computation (Quantity x per unit cost)	Cost
Waterborne Response Boat Package (17WC00-BOAT - Watercraft, CBRNE Prevention and Response)	High speed aluminum landing craft to be used for port security patrols, dive, SAR functions, EOD Ops, and can deliver equipment such as ATVs and palletized supplies to shorelines. The watercraft will also patrol the soft targets, crowded areas, and events in the port. During search operations the watercraft will be used as a base to effectively plan and manage the efforts.	1 x \$255,000.00	\$255,000
Portable Radio (06CP-01-PORT - Radio, Portable)	<p>Portable radio with All-Band technology which ensures communication within the Maritime domain to our local, state, and federal partners to include our real time crime center (MNPd Fusion Center).</p> <p>The intelligence information will be transmitted via the encrypted radio and its system which is protected by cyber security hardware and security protocols.</p>	1 X \$10,000.00 (Police Match)	\$10,000

Medical Training Supplies (03OE-03-KTFA - Kit, First Aid, Trauma Type)	<p>Medical training supplies that will be used to host "Stop the Bleed" courses for the Nashville Port partners, both public and private. This class will be conducted without cost to the students with Metro Nashville providing the no cost instructors.</p> <p>The training and supplies are part of our training and awareness campaign and will increase the community's resiliency by providing a means to stop the bleeding until the first responders arrive.</p>	Budget Allocated for Varying Prices <b>(Police Match)</b>	\$4,000
Night Vision Optics (03OE-02-TILA - Optics, Thermal Imaging and/or Light Amplification)	Night vision devices for vessel operators and crew. The devices will be the latest generation white phosphor light amplification night vision optics that consist of tubes with a FOM rating greater than 2400 with manual gain and focus for image quality optimization. The use of white phosphor tubes provides greater detail and clarity with up to 20% more light transmission.	4 X \$12,500.00 <b>(Police Match)</b>	\$50,000
IED/EOD Protective Outer Clothing with Specialized Protective Gear (02PE-02-CLTH - Clothing, Operational, and Specialized/Protective Gear IED/EOD)	IED/EOD protective outer clothing used in conjunction with a recon ensemble or in lieu of full protective ensemble for known minimum threat situation. This ensemble will provide fire protection to the boat operators, SAR, security, and EOD personnel.	42 X \$500.00 <b>(Police Match)</b>	\$21,000
<b>Equipment for Management and Administration (Type and AEL#)</b>	<b>Description and Purpose for Equipment</b>	<b>Computation (Quantity x per unit cost)</b>	<b>Cost</b>

		<b>Total Equipment</b>	\$340,000
<p><b>E. Supplies.</b> List items by type (office supplies, postage, training materials, copying paper, and other expendable items such as books, hand held tape recorders) and show the basis for computation. (Note: Organization’s own capitalization policy and threshold amount for classification of supplies may be used). Generally, supplies include any materials that are expendable or consumed during the course of the project.</p>			
Supplies	Description and Purpose of Supplies	Computation (Quantity x per unit cost)	Cost
Supplies for Management and Administration	Description and Purpose for Supplies	Computation (Quantity x per unit cost)	Cost
		<b>Total Supplies</b>	
<p><b>F. Consultants/Contracts.</b> Indicate whether applicant’s procurement policy follows standards found in 2 C.F.R. § 200.318(a).</p>			
<p><u>Consultant Fees:</u> For each consultant enter the name, if known, service to be provided, reasonable daily or hourly (8-hour day), and estimated time on the project to include M&amp;A.</p>			
Name of Consultant	Description of Services Provided	Computation	Cost
Name of Consultant for Management and Administration	Description of Services for Management and Administration	Computation	Cost

		<b>Subtotal – Consultant Fees</b>	
<b>Consultant Expenses:</b> List all expenses to be paid from the grant to the individual consultant in addition to their fees (i.e., travel, meals, lodging, etc.)			
Item	Location and/or Purpose	Computation	Cost
<b>Item for Management and Administration</b>	<b>Location and/or Purpose</b>	<b>Computation</b>	<b>Cost</b>
		<b>Subtotal – Consultant Expenses</b>	
<b>Contracts:</b> Provide a description of the product or services to be procured by contract and an estimate of the cost. Applicants are encouraged to promote free and open competition in awarding contracts. Any sole source contracts must follow the requirements set forth in applicable state and local laws and regulations, as well as applicable Federal regulations at 2 CFR Part 200.			
Item	Description of Services Provided	Computation	Cost
<b>Item for Management and Administration</b>	<b>Description of Services for Management and Administration</b>	<b>Computation</b>	<b>Cost</b>

		<b>Subtotal – Contracts</b>	
		<b>Total Consultants/Contracts</b>	
<p><b>G. Other Costs.</b> List items (e.g., reproduction, janitorial or security services, and investigative or confidential funds) by major type and the basis of the computation. For example, provide the square footage and the cost per square foot for rent, and provide a monthly rental cost and how many months to rent.</p>			
<b>Item</b>	<b>Description and Purpose</b>	<b>Computation</b>	<b>Cost</b>
<b>Item for Management and Administration</b>	<b>Description and Purpose</b>	<b>Computation</b>	<b>Cost</b>
		<b>Other Costs</b>	
<p><b>H. Indirect Costs.</b> Indirect costs are allowable only as described in 2 C.F.R. § 200.414. With the exception of recipients who have never received a negotiated indirect cost rate as described in 2 C.F.R. § 200.414(f), recipients must have an approved indirect cost rate agreement with their cognizant Federal agency to charge indirect costs to this award. A copy of the approved rate (a fully executed, agreement negotiated with the applicant’s cognizant Federal agency) must be attached.</p>			
<b>Cognizant Federal Agency</b>	<b>Description and Purpose</b>	<b>Computation</b>	<b>Cost</b>
<b>Cognizant Federal Agency for Management and Administration</b>	<b>Description and Purpose</b>	<b>Computation</b>	<b>Cost</b>
<b>Budget Category</b>	<b>Federal Amount</b>	<b>Non-Federal Amount</b>	<b>Total</b>
<b>A. Personnel</b>			

<b>B. Personnel</b>			
<b>C. Travel</b>			
<b>D. Equipment</b>	\$255,000	\$85,000	<b>\$340,000</b>
<b>E. Supplies</b>			
<b>F. Consultants/Contracts</b>			
<b>G. Other</b>			
<b>H. Indirect Costs</b>			
<b>Total</b>			<b>\$340,000</b>

[Click to Proceed to IJ 2](#)[Only 1 Project? Click to proceed to the Review  
Tab](#)

DEPARTMENT OF HOMELAND SECURITY FEDERAL EMERGENCY MANAGEMENT AGENCY PORT SECURITY GRANT PROGRAM INVESTMENT JUSTIFICATION				Sensitive Security Information
				OMB Control Number 1660-0114 Expiration: 11/30/2023
<b>Warning: Please follow the Notice of Funding Opportunity Guidance and Preparedness Grants Manual while completing this form.</b>				
<b>PART I - INVESTMENT HEADING</b>				
1) ORGANIZATION NAME (Legal Name Listed On The SF-424): <b>Metropolitan Government of Nashville and Davidson County</b>			2) STATE OR TERRITORY IN WHICH THE PROJECT WILL BE IMPLEMENTED: <b>Davidson County, Tennessee</b>	
3) TYPE OF ORGANIZATION: <b>Public</b>		4) CLASSIFICATION OF ORGANIZATION: <b>Local Agency</b>		5) CAPTAIN OF THE PORT ZONE: <b>Ohio Valley</b>
<b>PART II - BASIC PROJECT INFORMATION</b>				
6) PROJECT TITLE: <b>Police Multi Hazard Rapid Maritime Response – Equipment</b>				
7) PROJECT DESCRIPTION (SERVICE(S)/EQUIPMENT SUMMARY): <b>Boat Camera, Complete set of Dive gear for 4 divers, 12 Dive Computers, 1 Handheld Thermal Imager, Medical Supplies, 1 portable x-ray system, 12 Ballistic Vests, and 5 Ballistic Helmets.</b>				
8) HAS THIS PROJECT BEEN FUNDED BY PSGP OR ANOTHER FEDERAL ASSISTANCE PROGRAM IN THE LAST 3 YEARS? <b>No</b>				
9) IF SO, WHEN WAS THE LAST TIME IT WAS FUNDED? <b>N/A</b>		10) WHICH PROGRAM FUNDED THIS CAPABILITY? <b>N/A</b>		
11) PROVIDE JUSTIFICATION THAT SUPPORTS FUNDING THIS PROJECT AGAIN: <b>N/A</b>				
12) PROJECT CATEGORY: <b>Equipment</b>		13) NEW CAPABILITY OR MAINTENANCE/SUSTAINMENT: <b>New Capability</b>		
14) IS THIS PROJECT EXEMPT FROM THE REQUIRED COST SHARE OUTLINED IN 46 U.S.C. 70107? <b>No</b>				
15) IF YES, IDENTIFY COST SHARE EXEMPTION <b>N/A</b>				
16) FEDERAL SHARE: <b>\$147,000</b>		17) COST SHARE: <b>\$49,000</b>		18) TOTAL PROJECT COST: <b>\$196,000</b>
<b>PART III - ELIGIBILITY INFORMATION</b>				
PLEASE REVIEW THE NOTICE OF FUNDING OPPORTUNITY AND 46 U.S.C. 70107				
19) WHICH PLAN(S) APPLIES TO YOUR ORGANIZATION? <b>AREA MARITIME SECURITY PLAN:</b>		<b>Yes</b>		FACILITY SECURITY PLAN: <b>Yes</b>
20) STATE AND LOCAL AGENCIES – IS YOUR AGENCY REQUIRED TO PROVIDE PORT SECURITY SERVICES TO MTSA REGULATED FACILITIES? <b>Yes</b>				
21) IF YES, HOW MANY MTSA REGULATED FACILITIES IS YOUR ORGANIZATION REQUIRED TO PROVIDE SERVICES? <b>5</b>				
<b>PART IV - ORGANIZATIONAL INFORMATION</b>				
22) IS YOUR ORGANIZATION AN ACTIVE PARTICIPANT OF AN AREA MARITIME SECURITY COMMITTEE? <b>Yes</b>		23) IS THIS APPLICATION ON BEHALF OF ANOTHER ENTITY OR SUBMITTED AS A CONSORTIUM? <b>No</b>		
24) IS THE PROJECT SITE OWNED BY YOUR ORGANIZATION? <b>Yes</b>		25) IS THE PROJECT SITE OPERATED BY YOUR ORGANIZATION? <b>Yes</b>		
26) IF THE PROJECT SITE IS NOT OWNED OR OPERATED BY YOUR ORGANIZATION, PLEASE EXPLAIN YOUR ORGANIZATION'S RELATION TO THE PROJECT SITE: <b>N/A</b>				
27) IS THE PROJECT SITE A FACILITY OR VESSEL THAT IS REGULATED UNDER THE MARITIME TRANSPORTATION SECURITY ACT OF 2002, AS AMENDED? <b>No</b>				
28) STATE AND LOCAL AGENCIES – IS YOUR AGENCY THE PRIMARY RESPONDER TO MTSA REGULATED FACILITIES? <b>Yes</b>				
<b>PART V - POINT(S) OF CONTACT FOR ORGANIZATION</b>				
29) SIGNATORY AUTHORITY FOR ENTERING INTO A GRANT AGREEMENT			30) AUTHORIZED REPRESENTATIVE FOR THE MANAGEMENT OF THE PROJECT	
NAME: <b>Drusilla Martin</b>			NAME: <b>Drusilla Martin</b>	
ORGANIZATION: <b>Office of Emergency Management</b>			ORGANIZATION: <b>Office of Emergency Management</b>	
ADDRESS: <b>2060 15th Ave S, Nashville, TN 37212</b>			ADDRESS: <b>2060 15th Ave S, Nashville, TN 37212</b>	
PHONE: <b>615-862-5462</b>			PHONE: <b>615-862-5462</b>	
EMAIL: <b>drusilla.martin@nashville.gov</b>			EMAIL: <b>drusilla.martin@nashville.gov</b>	
<b>PART VI - PHYSICAL LOCATION OF PROJECT</b>				
31) PHYSICAL ADDRESS OF THE PROJECT LOCATION:			32) BRIEF DESCRIPTION OF THE PROJECT LOCATION:	
Street: <b>2060 15th Ave S</b>			<b>The location of the project being implemented is the county of Davidson, TN. The equipment will be stored at various county locations in close proximity to the Port of Nashville so there can be immediate accessibility.</b>	
Address:				
City: <b>Nashville</b>				
State: <b>TN</b> Zip: <b>37212</b>				
LATITUDE & LONGITUDE: <b>36.130398/-86.791053</b>				
<b>STATE AND LOCAL AGENCIES ONLY – ROLE IN PROVIDING LAYERED PROTECTION OF MTSA REGULATED ENTITIES</b>				
33) DESCRIBE YOUR ORGANIZATION'S SPECIFIC ROLES, RESPONSIBILITIES AND ACTIVITIES IN DELIVERING LAYERED PROTECTION, AND IDENTIFY THE FACILITIES TO WHICH YOUR AGENCY IS REQUIRED TO PROVIDE SECURITY SERVICES.				
<p>The Metropolitan Government of Nashville and Davidson County is responsible for a multi-discipline, all hazards response to all locations within Davidson County. The law enforcement public safety responders within the county are provided by the Metropolitan-Nashville Police Department. In addition to the traditional police services, the department provides the city's 7 helicopters, a 30 officer police urban search and rescue team which includes FEMA Type 1 swift water rescues, waterborne patrol and response assets, a 45 officer FEMA Type I SWAT/tactical team, a 12 officer Type II public safety EOD dive team, a 10 officer FEMA Type I FBI accredited bomb squad with two bomb technicians being FBI certified maritime divers, a NIMS Level II RAD/NUC response package, and a newly formed Real Time Crime Center (fusion center).</p> <p>All of the city's public safety agencies, represented by this investment justification, are active members of the AMSC and are listed in the Port Risk Mitigation Plan. The Port of Nashville encompasses a multitude of critical facilities that are subject to transportation security incidents. Among the most critical assets in the Nashville area include the Old Hickory Lock and Dam and the J. Percy Priest Hydroelectric Dam. The city's public safety agencies are tasked with security patrols, soft target protection, rapid armed intervention, fire suppression, and emergency medical services to any maritime security threat incident. They also provide water rescue personnel, water patrols, hazardous materials responders, bomb technicians, and EOD divers. These capabilities are housed in close proximity to the Port of Nashville's access points throughout Davidson County and can be deployed upon request, during normal patrols, or immediately in response to an emergency incident.</p> <p>The agencies also provide a layered protection for many regulated entities and critical infrastructure within the port such as: The Music Valley Landing, Old Hickory Lock and Dam, J. Percy Priest Hydroelectric Dam, Metro Water Services processing facilities, Cumberland River Railroad Turn Bridge, Cumberland River Railroad Bridge, N&amp;W Railroad Turn Bridge, Silliman Evans Bridge, Interstate 65 Bridge over the Cumberland River, Nashville, TN, the Capital of Tennessee, the Port of Nashville, General Jackson Showboat and its facilities, Nissan NFL Stadium, Ascend Amphitheater, First Tennessee Ball Park, Marathon Fuel Bordeaux, Marathon Fuel Nashville Downtown, ExxonMobil, Hines Furlong Fleeting Area, and two Historic Black Colleges or Universities - Tennessee State University and American Baptist College.</p>				
<b>PART VII MARITIME SECURITY MOU, MOA AND/OR MUTUAL AID AGREEMENTS</b>				

<p><b>34) IF YOUR AGENCY PROVIDES SECURITY SERVICES TO MTSA REGULATED FACILITIES, IDENTIFY AND DESCRIBE THE TYPE(S) OF AGREEMENT(S) THAT REQUIRES YOUR AGENCY TO DIRECTLY PROVIDE PORT SECURITY SERVICES TO MTSA REGULATED FACILITIES.</b></p> <p>The Metropolitan Government of Nashville and Davidson County is responsible for a multi-discipline, all hazards response to all locations within Davidson County. All of the city's public safety agencies, represented by this investment justification, are active members of the AMSC and are listed in the Port Risk Mitigation Plan. The Port of Nashville encompasses a multitude of critical facilities that are subject to transportation security incidents. The city's public safety agencies are tasked with security patrols, soft target protection, rapid armed intervention, fire suppression, and emergency medical services to any maritime security threat incident. The primary law enforcement public safety agency within the county is the Metropolitan-Nashville Police Department.</p> <p>The agencies provide a layered protection for many regulated entities and critical infrastructure within the port such as:                  The Music Valley Landing, Old Hickory Lock and Dam, J. Percy Priest Hydroelectric Dam, Metro Water Services processing facilities, Cumberland River Railroad Turn Bridge, Cumberland River Railroad Bridge, N&amp;W Railroad Turn Bridge, Sillman Evans Bridge, Interstate 65 Bridge over the Cumberland River, Nashville, TN, the Capital of Tennessee, the Port of Nashville, General Jackson Showboat and its facilities, Nissan NFL Stadium, Ascend Amphitheater, First Tennessee Ball Park, Marathon Fuel Bordeaux, Marathon Fuel Nashville Downtown, ExxonMobil, Hines Furlong Fleeting Area, and two Historic Black Colleges or Universities - Tennessee State University and American Baptist College.</p> <p>The General Jackson Showboat and its facility, Marathon Bordeaux, Marathon Nashville Downtown, ExxonMobil, and Hines Furlong Fleeting Area are MTSA regulated facilities.</p> <p>The Metropolitan Government of Nashville and Davidson County has the lead law enforcement, EMS, and fire services responsibilities for the county to include the Port of Nashville. Through law, city charter, MOUs, MOAs, and trespass waivers with businesses, they are required to directly provide port security services to MTSA regulated facilities located in the port. The city and the police department have MOUs with many agencies and facilities including the Federal Bureau of Investigation (for bomb squad response service), U.S. Army Corp of Engineers, Tennessee Wildlife Resource Agency (TWRA), and several commercial businesses that cover the waterway and adjacent bank areas of the port.</p>	
<p><b>PART VIII - ALL AGENCIES/ORGANIZATION – IMPORTANT FEATURES</b></p>	
<p><b>35) DESCRIBE ANY OPERATIONAL ISSUES YOU DEEM IMPORTANT TO THE CONSIDERATION OF YOUR APPLICATION, SUCH AS LACKING OR INADEQUATE CAPABILITIES OR ASSETS WITHIN THE PORT AREA TO MITIGATE MARITIME SECURITY VULNERABILITIES BEING ADDRESSED BY THIS PROJECT.</b></p> <p>On Christmas day in 2020 Nashville suffered a vehicle based improvised explosive device incident. The explosion was caused by a vehicle bomb carried in a RV that was parked outside an AT&amp;T network facility on Second Avenue North in downtown. The incident occurred within 200 yards of the Port of Nashville water's edge. Before detonation, the area was quickly evacuated saving many lives. Moments before the Hazardous Device Unit (bomb Squad) arrived, the VBIED initiated resulting in eight injuries, the death of the suspect, several downtown buildings being damaged or destroyed, and millions in economic losses.</p> <p>In 2021 a Cessna 501 Citation crashed into the J. Percy Priest lake and all seven occupants perished. The Nashville Office of Emergency Management's Dive Team and the Metro Nashville Police Dive Team worked with several other agencies to include investigators from the National Transportation Safety Board (NTSB) to recover the remains of the victims and key components of the aircraft.</p> <p>During the subsequent after action reviews several capability gaps were identified to include the below listed ones being addressed by this investment justification:</p> <ul style="list-style-type: none"> <li>• Provide a waterborne platform to patrol critical infrastructure in the port</li> <li>• Provide waterborne streaming real-time video to the city's fusion center</li> <li>• Provide a waterborne platform to patrol mass gatherings and soft targets in the port</li> <li>• Provide a dive platform for the EOD divers</li> <li>• Provide a waterborne delivery platform for rescue task force, tactical, medical, hazmat, USAR, and bomb squad personnel</li> <li>• Provide a waterborne delivery platform for palletized resources</li> <li>• Provide a waterborne delivery platform for all terrain and utility vehicles in the port</li> <li>• Provide equipment to field four additional divers</li> <li>• Provide resiliency medical training and equipment to our maritime partners until our responders can arrive to help</li> <li>• Provide information sharing between our local agencies, the state agencies, and the federal agencies</li> <li>• Provide training to our commercial port partners on what and how to report suspicious activities they observe</li> <li>• Provide equipment to ensure cyber security is maintained during the dissemination of the intelligence information</li> </ul> <p>All departments under the Metropolitan Government of Nashville and Davidson County which have vessels share CI/KR patrol responsibilities. The police and fire departments also share response and rescue responsibilities. This project demonstrates true multi agency cooperation, integration, and sharing. It will also build on a recently established capability of a state and national deployable asset in the event of a catastrophic disaster.</p> <p>The program is in accordance with the FEMA vision for a Prepared and Resilient Nation as outlined in the FEMA Strategic Plan. The investment is aligned with the Port Risk Mitigation Plan, the Sector Ohio Valley RAD/NUC Detection CONOPS Plan, RND Equipment, Training, and Exercise Guidelines, and the Port of Nashville Annex Detection Plan. It is also in compliance with the policies, practices, software, and training of employees in line with the Cybersecurity National Priority. We are currently in the assessment process as detailed in the Cyber Resilience Review (CRR) and conduct our own biannual internal assessments.</p>	
<p><b>PART IX - INVESTMENT JUSTIFICATION ABSTRACT</b></p>	
<p><b>36) WHAT ASSET(S) OR SERVICE(S) WOULD THIS PROJECT INVESTMENT FUND (i.e. vessels, radios, cameras, construction, service contracts, fencing etc.)? * For training requests, a course number and title are required.</b></p>	<p>Boat Camera, 4 Complete Sets of Dive gear, 12 Dive Computers, 1 Handheld Thermal Imager, Medical Supplies, 1 Portable X-Ray System, 12 Ballistic Vests, and 5 Ballistic Helmets.</p>
<p><b>37) IDENTIFY SIMILAR ASSETS THAT ALREADY EXIST:</b></p>	<p>None, this will add new capabilities.</p>
<p><b>38) SPECIFY VULNERABILITIES IDENTIFIED WITHIN AN AREA MARITIME SECURITY PLAN, FACILITY SECURITY PLAN, VESSEL SECURITY PLAN, OR OTHER IDENTIFIED PLAN(S) THAT THIS PROJECT CLOSES/MITIGATES.</b></p> <p>The investment directly addresses several of the gaps which the Metropolitan Nashville Police Department identified during their AAR from the 2020 Nashville Bombing and the 2021 Nashville Plane Crash into J. Percy Priest Lake. The equipment and training will help address several vulnerabilities listed in the MNPD's AARs and the Area Maritime Security Plan for the Port of Nashville. The Metropolitan Government of Nashville and Davidson County is the lead law enforcement, EMS, and fire service provider. All Facility Security and Vessel Security Plans rely on the Metropolitan Government to provide law enforcement, medical, fire, and Hazmat/CBRNE services to mitigate or assist with any potential TSI within the Port of Nashville.</p>	
<p><b>39) SUMMARIZE THE PROPOSED INVESTMENT JUSTIFICATION.</b></p> <p>THE FOLLOWING MUST BE INCLUDED:</p> <ul style="list-style-type: none"> <li>• DESCRIBE HOW THIS INVESTMENT ADDRESSES THE CAPTAIN OF THE PORT'S PRIORITIES</li> <li>• EXPLAIN HOW THIS INVESTMENT WILL ACHIEVE A MORE SECURE AND RESILIENT PORT AREA</li> <li>• IF SIMILAR CAPABILITIES ALREADY EXIST, EXPLAIN WHY ADDITIONAL ASSETS/SERVICES ARE NEEDED.</li> </ul> <p>The Metropolitan Government is seeking a PSG for the Metro-Nashville Police department that addresses capability gaps as identified above. The purpose is to improve the detection, deterrence, prevention, and response to hazards in the Port of Nashville. The port waterfront areas are where Nashville lives, works, plays, and has large gatherings. This investment will provide fire protection, ballistic protection, EOD X-ray, EOD divers, thermal imaging, intelligence, cyber security, medical, and community</p>	

resiliency equipment and medical training.

The investment will enhance maritime security awareness, intelligence sharing, interoperable communications with state and federal partners, enhance improvised explosive device mitigation, and address CBRNE deterrence, detection, prevention, protection, and response. The investment will directly improve port resiliency, recovery capabilities, and assist with training and exercises in the port. The investment is in-line with the national priorities along with the port priorities. The investment will also greatly enhance the integrated police and EMS response and recovery capabilities during both land and maritime operations in daytime, low-light, and no-light environments. The requested equipment will provide the necessary resources to enhance the rescue task force (RTF) model for combined police and EMS responses to incidents of active aggression in the CBRNE related transportation security incident (TSI) context. The RTF concept mitigates risk by using procedures, training, and protective equipment, while providing rapid stabilization, treatment, and evacuation of the wounded despite hazardous conditions that would otherwise delay treatment.

The boat camera system with wireless transmission capabilities will be connected to the Real Time Crime Center (MNPD Police Fusion Center) and port partners both public and private so they can remotely monitor maritime operations and security issues in the port. The wireless system will be protected for cyber security via hardware and security protocols.

The dive equipment is to outfit four divers for contaminated water operations, to include dry suit, thermal undergarment, gloves, boots, BC, regulator, tanks, masks, fins, snorkel, weights, knife/tools, handheld lights, dive computer, and dive gear bag.

The thermal devices will be used by the vessel operators and crew. It will be used for inclement weather navigation and search operations involving lost victims and tactical maritime operations.

The X-Ray system will be used by certified FBI bomb technicians in their security screening and render safe operations. The X-ray video system will be protected for cyber security via hardware and security protocols.

The medical training supplies will be used to host "Stop the Bleed" courses for the Nashville Port partners, both public and private. These classes will be conducted without cost to the students with Metro Nashville providing the no cost instructors. The training and supplies are part of our training and awareness campaign and will increase the community's resiliency by providing a means to stop the bleeding until the first responders arrive.

The ballistic vest and helmets will provide both ballistic and explosive protection to personnel who deter, detect, screen, and respond to CBRNE and security threats in the crowded and soft targets in the port. The IED/EOD protective outer clothing will be used in conjunction with a recon ensemble or in lieu of full protective ensemble for known minimum threat situations. This ensemble will provide fire protection to the boat operators, SAR, security, and EOD personnel.

The investment requests funding to extend maritime response capabilities through improved technology. The proposed investment is in direct support of the Captain of the Port's priorities listed as "Most Probable TSI within the Nashville AOR" all of which will likely result in a mass casualty incident:

- (5511) Intrude/take control of tow/barge and create Chemical, Biological, Radiological, Nuclear and Explosive (CBRNE) or pollution incident without destroying target
- (5512) External attack by moving explosives adjacent to the target
- (5513) External attack by ramming vessel/boat into a target or Intrude/take control and take hostages/kill people
- Intrusion and intentional damage or destruction
- Detonation of explosive device or CDC barge, or ramming by commercial vessel
- Detonation of explosive device on or the ramming of target by a commercial vessel to create a Chemical, Biological, Radiological, Nuclear, and explosive (CBRNE) pollution incident in or near the high-density population area

**PART X - NATIONAL PRIORITIES**

40) IDENTIFY ONE PROGRAM PRIORITY THIS INVESTMENT MOST CLOSELY SUPPORTS (Program Priorities are identified in the NOFO):	Program Priority 2
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41) DESCRIBE HOW, AND THE EXTENT THIS INVESTMENT JUSTIFICATION MEETS ONE OR MORE OF THE NATIONAL PRIORITIES.

The proposed investment meets the national priorities with the capabilities required across the whole community to prevent, protect against, mitigate, respond to, and recover from the threats and hazards that pose the greatest risk. From a whole port perspective, this investment adds new capabilities and enhances existing capabilities of the emergency services providers within the Port of Nashville and for the COTP Ohio Valley Sector. The capabilities include threat interdiction prior to casualties, protect further loss of life during an incident, mitigation of threats and the ability of emergency services to provide continued services in the recovery phase of TSI and other catastrophic disasters with the potential for mass casualties. The investment specifically addresses vulnerabilities outlined in the Ohio Valley Area Maritime Security Assessment Report as included in the COTP Ohio Valley Area Maritime Security Plan.

The most probable transportation security incident scenario is the use of a certain dangerous cargo barge to attack a high-density population area. This vulnerability is a concern in the Port of Nashville due to the high number of residents moving into the riverfront and river adjacent areas within the port. A study from the University of Tennessee shows the population boom for the Mid-state is expected to continue, with over half a million people moving to Nashville in the next few years, with many population centers along the Cumberland River. New major mixed residential/commercial properties are being planned or built along the banks of the Cumberland River. This investment enhances the capability to provide an armed response to vessels that present a threat, waterborne capabilities to interdict such vessels, and the CBRNE capabilities to mitigate the hazards presented by the contents of the CDC barges.

The AMSP also identifies one of the most probable TSI(s) is from a vessel borne IED to attack spectators during a large marine event. The Port of Nashville is particularly vulnerable to this type of attack due to the high number of large-scale events situated on the Cumberland River. Some of the largest events in this category include the 4th of July Celebration, CMA Music Festival, New Year's Eve celebration, NFL games, baseball games, and concerts at the venues adjacent to the river. Many of the events have 75-250K or more attendees. This investment enhances the existing capabilities to respond to threats before casualties occur, which also introduces a new capability to respond to and recover from mass casualty events. This is accomplished by increasing the distance and type of terrain where tactical and medical personnel can be transported, to provide life-saving care at the point of wounding or injury. Finding and treating patients could be done in concert with efforts to extricate victims to a casualty collection point.

A third vulnerability assessed is the threat of a high jacked vessel or IED attack of a large passenger vessel. The Port of Nashville hosts large numbers of tourists that board large passenger vessels such as the General Jackson. Equipment proposed in the investment addresses this vulnerability. Our FEMA Type I SWAT/tactical team and FEMA Type I FBI Bomb Squad conduct regular training to develop the tactics, techniques, and procedures to integrate the two teams when responding to both armed and explosive threats.

This investment is requesting related equipment to support the training and expansion of this capability and the enhancement of equipment for the purpose of life safety and survivability of team members. An additional vulnerability that falls into IED category is the possibility of an IED to destroy a waterfront facility to create a major CBRNE incident or mass casualty event. The investment needs, as stated above, apply to this scenario, and further addresses the capability to respond to, mitigate the loss of life, and assist in recovery operations should the facility be compromised. Combined police/EMS waterborne capabilities and rescue equipment would greatly reduce the loss of life in such an occurrence. The emergency service providers of the Metro Government of Nashville and Davidson County regularly conduct training exercises with public safety partners to include TWRA, USCG, OEM, NFD, and TEMA, all of which would benefit from the increased capabilities in this investment. Nashville police, fire, and EMS have also conducted department wide training individually and jointly that specifically address the need for small unit level entry and rescue training while providing medical attention to victims. This training has been in the active aggressor context. This investment will complement the established Maritime Rescue Task Force in the context of the Port of Nashville and the greater Ohio Valley COTP zone. The Metro Government of Nashville identified a large vulnerability in its mass gatherings in the port area. Since Nashville routinely lists as a top destination for tourists, conventions and special events, Nashville has devoted significant resources in personnel, training hours, funds, equipment, and technologies to enhance its deterrence, detection, prevention, response, and mitigation of this vulnerability. Nashville has used its own funds to train its 1500+ officers and over 300 Nashville Fire EMTs on responses to active shooter and rescue task force situations. All of these first responders have been issued

personal floatation devices, water rescue throw bags, and medical supplies. The awarding of the grant will ensure we properly enhance the program of integrated police and EMS responses and recovery capabilities, during both land and maritime operations, in daytime and no-light environments by providing the necessary resources to continue to incorporate the RTF for the police and EMS who are responding to incidents of active aggression in the Port of Nashville.

**PART XI - IMPLEMENTATION PLAN**

42) PROVIDE A HIGH-LEVEL TIMELINE OF MILESTONES FOR THE IMPLEMENTATION OF THIS INVESTMENT, SUCH AS PLANNING, TRAINING, EXERCISES, AND MAJOR ACQUISITIONS OR PURCHASES. UP TO 10 MILESTONES MAY BE SUBMITTED.

THE FOLLOWING MUST BE INCLUDED:

- MAJOR MILESTONES OR RELEVANT INFORMATION THAT IS CRITICAL TO THE SUCCESS OF THE INVESTMENT
- MAJOR TASKS THAT WILL NEED TO OCCUR (E.G. DESIGN AND DEVELOPMENT, CONTRACTUAL AGREEMENTS, PROCUREMENT, DELIVERY, INSTALLATION AND PROJECT COMPLETION)
- ESTIMATED PERCENTAGE FOR EACH MILESTONE BASED ON COMPLEXITY AND SIGNIFICANCE (MILESTONES MUST COLLECTIVELY EQUAL 100%)

Milestones	Start Date (mm/yyyy)	Completion Date (mm/yyyy)	Percentage of Project
1. Vendors to be contacted for demonstrations	10/2022	10/2023	20%
2. Equipment will be selected	10/2022	10/2023	20%
3. Equipment will be Ordered from Vendor	10/2022	10/2023	20%
4. Equipment will be distributed	11/2022	05/2024	20%
5. Training Classes will be Conducted (if Applicable)	01/2023	05/2024	20%
6.			
7.			
8.			
9.			
10.			
<b>Total Percentage of Project</b>			<b>100%</b>

[Click To Proceed to Budget 2](#)

PSGP Budget Detail Worksheet			Sensitive Security Information
<b>A. Personnel.</b> List each position by title and name of employee, if available. Show the annual salary rate and the percentage of time to be devoted to the project. Compensation paid for employees engaged in grant activities must be consistent with that paid for similar work within the applicant organization.			
Name/Position	Description of Project Work Activities	Computation	Cost
Name/Position for Management and Administration	Description of Management and Administration Activities	Computation	Cost
			<b>Total Personnel</b>
<b>B. Fringe Benefits.</b> Fringe benefits should be based on actual known costs or an established formula. Fringe benefits are for the personnel listed in budget category (A) and only for the percentage of time devoted to the project.			
Name/Position	Description of Fringe Benefits	Computation	Cost

Name/Position for Management and Administration	Description of Fringe Benefits	Computation	Cost
			<b>Total Fringe Benefits</b>

**C. Travel.** Itemize travel expenses of project personnel by purpose (e.g., staff to training, field interviews, advisory group meeting, etc.). Show the basis of computation (e.g., six people to three-day training at \$X airfare, \$X lodging, \$X subsistence). In training projects, travel and meals for trainees should be listed separately. Show the number of trainees and unit costs involved. Identify the location of travel, if known. Indicate source of Travel Policies applied, Applicant or Federal Travel Regulations.

Purpose of Travel	Location	Computation	Cost
Purpose of Travel for Management and Administration	Location	Computation	Cost
			<b>Total Travel</b>

**D. Equipment.** List non-expendable items that are to be purchased. Non-expendable equipment is tangible property having a useful life of more than one year. (Note: Organization’s own capitalization policy and threshold amount for classification of equipment may be used).

Identify the Authorized Equipment List number (AEL #) for items requested. Expendable items should be included either in the “Supplies” category or in the “Other” category. Applicants should analyze the cost benefits of purchasing versus leasing equipment, especially high cost items and those subject to rapid technical advances. Rented or leased equipment costs should be listed in the “Contractual” category. Explain how the equipment is necessary for the success of the project. Attach a narrative describing the procurement method to be used. For CBRNE Vessels or Vehicles, list the specific CBRNE equipment that will be installed on the vessel or vehicle, including equipment already owned by the applicant.

Equipment (Type and AEL#)	Description and Purpose of Equipment	Computation (Quantity x per unit cost)	Cost
(Boat) Camera with Live Feed Connection (04MD-01-VCAM - Camera, Video and 04SN-01-XMIT - Transmission Device, Wireless, Remote Sensor)	Camera system for a boat which includes wireless transmission capabilities so the Real Time Crime Center (MNPD Police Fusion Center) and port partners, public and private, can remotely monitor maritime operations and security issues in the port. The wireless system will be protected for cyber security via hardware and security protocols.	1 X \$26,000	\$26,000
Diver Dry Suite Kits (01WA-05-SUTD - Suit, Diving, Dry, Protective, Contaminated Water, 01WA-01-SCBC - Apparatus, Self-Contained Underwater Breathing (SCUBA), Contaminated Water Diving, 01WA-03-UNDR - Undergarment, Dry Suit, Diving, 01WA-06-SNRK - Snorkel, Diving, 01WA-05-GLOV - Gloves or Mittens, Dry Suit, Diving, Contaminated Water, 01WA-05-BTES - Boots or Booties, Diving, Contaminated Water, 01WA-05-FINS - Fins, Diving, Contaminated Water, 01WA-06-WGHT - Weights, Diving, 01WA-06-BAGG - Bag, Gear, Water Operations, 03WA-01-DNIF - Knives, Punches, and Cutting Shears, Diving, 03WA-01-ULHH - Lights, Underwater, Personal)	All necessary equipment to outfit a diver for contaminated water operations, to include dry suit, thermal undergarment, gloves, boots, BC, regulator, tanks, masks, fins, snorkel, weights, knife/tools, handheld lights, and dive gear bag.	4 Diver Kits -4 X \$8,000	\$32,000

Dive Computer (03WA-01-DCMP - Computer/Gauge, Dive)	Dive computer with air pressure, depth gauge, time remaining, bottom time, ascent rate, and decompression stops. A standard item that will be issued to all divers.	12 x \$1,400	\$16,800
Handheld Thermal Imager (03OE-02-TILA - Optics, Thermal Imaging and/or Light Amplification)	Thermal imaging for inclement weather navigation and search operations involving trapped or lost victims and tactical maritime operations.	1 x \$10,000	\$10,000
Medical Training Supplies (03OE-03-KTFA - Kit, First Aid, Trauma Type)	<p>Medical training supplies that will be used to host "Stop the Bleed" courses for the Nashville Port partners, both public and private. This class will be conducted without cost to the students with Metro Nashville providing the no cost instructors. .</p> <p>The training and supplies will increase the community's resiliency by providing a means to stop the bleeding until the first responders arrive.</p>	Budget Allocated for Varying Prices	\$2,200
X-Ray Equipment (02EX-01-XRAP - X-Ray Equipment, Portable or Transportable)	X-Ray system to be used by Certified FBI Bomb Technicians in their security screening and render safe operations. The X-ray video system will be protected for cyber security via hardware and security protocols.	1 X \$60,000	\$60,000
Ballistic Vests (02PE-01-RCON - Ensemble, Reconnaissance, Improvised Explosive Device/Explosive Ordnance Disposal (IED/EOD))	Provides both ballistic and explosive protection to personnel who deter, detect, screen, and respond to CBRNE and security threats in the crowded and soft targets in the port.	10 X \$3,400 (Police Match)	\$34,000

Ballistic Helmets (02PE-01-RCON - Ensemble, Reconnaissance, Improved Explosive Device/Explosive Ordnance Disposal (IED/EOD)) and 03OE-04-LTHH - Light, Hand-Held or Helmet-Mounted Illumination)	IED/EOD protective helmet intended to protect the head from explosive fragmentation and flame. Includes ballistic helmet, ballistic face shield, and ballistic mandible, and lights. To be used by Certified FBI Bomb Technicians in their security screening and render safe operations.	5 X \$3,000.00 (Police Match)	\$15,000
Equipment for Management and Administration (Type and AEL#)	Description and Purpose for Equipment	Computation (Quantity x per unit cost)	Cost
		<b>Total Equipment</b>	\$196,000
<p><b>E. Supplies.</b> List items by type (office supplies, postage, training materials, copying paper, and other expendable items such as books, hand held tape recorders) and show the basis for computation. (Note: Organization’s own capitalization policy and threshold amount for classification of supplies may be used). Generally, supplies include any materials that are expendable or consumed during the course of the project.</p>			
Supplies	Description and Purpose of Supplies	Computation (Quantity x per unit cost)	Cost
Supplies for Management and Administration	Description and Purpose for Supplies	Computation (Quantity x per unit cost)	Cost
		<b>Total Supplies</b>	





		Other Costs	
<p><b>H. Indirect Costs.</b> Indirect costs are allowable only as described in 2 C.F.R. § 200.414. With the exception of recipients who have never received a negotiated indirect cost rate as described in 2 C.F.R. § 200.414(f), recipients must have an approved indirect cost rate agreement with their cognizant Federal agency to charge indirect costs to this award. A copy of the approved rate (a fully executed, agreement negotiated with the applicant's cognizant Federal agency) must be attached.</p>			
Cognizant Federal Agency	Description and Purpose	Computation	Cost
Cognizant Federal Agency for Management and Administration	Description and Purpose	Computation	Cost
Budget Category	Federal Amount	Non-Federal Amount	Total
A. Personnel			
B. Fringe Benefits			
C. Travel			
D. Equipment	\$147,000	\$49,000	\$196,000
E. Supplies			
F. Consultants/Contracts			
G. Other			
H. Indirect Costs			
<b>Total</b>	<b>\$147,000</b>	<b>\$49,000</b>	<b>\$196,000</b>

<a href="#">Click to Proceed to IJ 3</a>	<a href="#">Only 2 Projects? Click to proceed to the Review Tab</a>
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DEPARTMENT OF HOMELAND SECURITY FEDERAL EMERGENCY MANAGEMENT AGENCY PORT SECURITY GRANT PROGRAM INVESTMENT JUSTIFICATION				Sensitive Security Information
				OMB Control Number 1660-0114 Expiration: 11/30/2023
<b>Warning: Please follow the Notice of Funding Opportunity Guidance and Preparedness Grants Manual while completing this form.</b>				
<b>PART I - INVESTMENT HEADING</b>				
1) ORGANIZATION NAME (Legal Name Listed On The SF-424):			2) STATE OR TERRITORY IN WHICH THE PROJECT WILL BE IMPLEMENTED:	
Metropolitan Government of Nashville and Davidson County			Davidson County, Tennessee	
3) TYPE OF ORGANIZATION:		4) CLASSIFICATION OF ORGANIZATION:	5) CAPTAIN OF THE PORT ZONE:	
Public		Local Agency	Ohio Valley	
<b>PART II - BASIC PROJECT INFORMATION</b>				
6) PROJECT TITLE:	Tethered Drone Project			
7) PROJECT DESCRIPTION (SERVICE(S)/EQUIPMENT SUMMARY):	Tethered Drone X 2, with a thermal capability, 120X Zoom camera, all weather flight, 200-foot tether, battery back-up.			
8) HAS THIS PROJECT BEEN FUNDED BY PSGP OR ANOTHER FEDERAL ASSISTANCE PROGRAM IN THE LAST 3 YEARS?				No
9) IF SO, WHEN WAS THE LAST TIME IT WAS FUNDED?		N/A	10) WHICH PROGRAM FUNDED THIS CAPABILITY?	N/A
11) PROVIDE JUSTIFICATION THAT SUPPORTS FUNDING THIS PROJECT AGAIN:		N/A		
12) PROJECT CATEGORY:	Equipment	13) NEW CAPABILITY OR MAINTENANCE/SUSTAINMENT:		New Capability
14) IS THIS PROJECT EXEMPT FROM THE REQUIRED COST SHARE OUTLINED IN 46 U.S.C. 70107?				No
15) IF YES, IDENTIFY COST SHARE EXEMPTION			N/A	
16) FEDERAL SHARE:	\$141,660	17) COST SHARE:	\$47,220	18) TOTAL PROJECT COST:
				\$188,880
<b>PART III - ELIGIBILITY INFORMATION</b>				
PLEASE REVIEW THE NOTICE OF FUNDING OPPORTUNITY AND 46 U.S.C. 70107				
19) WHICH PLAN(S) APPLIES TO YOUR ORGANIZATION?	AREA MARITIME SECURITY PLAN:	Yes	FACILITY SECURITY PLAN:	Yes
20) STATE AND LOCAL AGENCIES – IS YOUR AGENCY REQUIRED TO PROVIDE PORT SECURITY SERVICES TO MTSA REGULATED FACILITIES?				Yes
21) IF YES, HOW MANY MTSA REGULATED FACILITIES IS YOUR ORGANIZATION REQUIRED TO PROVIDE SERVICES?				5
<b>PART IV - ORGANIZATIONAL INFORMATION</b>				
22) IS YOUR ORGANIZATION AN ACTIVE PARTICIPANT OF AN AREA MARITIME SECURITY COMMITTEE?	Yes	23) IS THIS APPLICATION ON BEHALF OF ANOTHER ENTITY OR SUBMITTED AS A CONSORTIUM?		No
24) IS THE PROJECT SITE OWNED BY YOUR ORGANIZATION?	Yes	25) IS THE PROJECT SITE OPERATED BY YOUR ORGANIZATION?		Yes
26) IF THE PROJECT SITE IS NOT OWNED OR OPERATED BY YOUR ORGANIZATION, PLEASE EXPLAIN YOUR ORGANIZATION'S RELATION TO THE PROJECT SITE:		N/A		
27) IS THE PROJECT SITE A FACILITY OR VESSEL THAT IS REGULATED UNDER THE MARITIME TRANSPORTATION SECURITY ACT OF 2002, AS AMENDED?				No
28) STATE AND LOCAL AGENCIES – IS YOUR AGENCY THE PRIMARY RESPONDER TO MTSA REGULATED FACILITIES?				Yes
<b>PART V - POINT(S) OF CONTACT FOR ORGANIZATION</b>				

29) SIGNATORY AUTHORITY FOR ENTERING INTO A GRANT AGREEMENT				30) AUTHORIZED REPRESENTATIVE FOR THE MANAGEMENT OF THE PROJECT			
NAME:		Drusilla Martin		NAME:		Drusilla Martin	
ORGANIZATION:		Office of Emergency Management		ORGANIZATION:		Office of Emergency Management	
ADDRESS:		2060 15th Ave S, Nashville, TN 37212		ADDRESS:		2060 15th Ave S, Nashville, TN 37212	
PHONE:		615-862-5462		PHONE:		615-862-5462	
EMAIL:		drusilla.martin@nashville.gov		EMAIL:		drusilla.martin@nashville.gov	
<b>PART VI - PHYSICAL LOCATION OF PROJECT</b>							
31) PHYSICAL ADDRESS OF THE PROJECT LOCATION:				32) BRIEF DESCRIPTION OF THE PROJECT LOCATION:			
Street		2060 15th Ave S		The location of the project being implemented is the county of Davidson, TN. The equipment will be stored at various county locations in close proximity to the Port of Nashville so there can be immediate accessibility.			
Address:							
City:		Nashville					
State:		TN					
		Zip:		37212			
LATITUDE & LONGITUDE:		36.130398/-86.791053					
<b>STATE AND LOCAL AGENCIES ONLY – ROLE IN PROVIDING LAYERED PROTECTION OF MTSA REGULATED ENTITIES</b>							
33) DESCRIBE YOUR ORGANIZATION'S SPECIFIC ROLES, RESPONSIBILITIES AND ACTIVITIES IN DELIVERING LAYERED PROTECTION, AND IDENTIFY THE FACILITIES TO WHICH YOUR AGENCY IS REQUIRED TO PROVIDE SECURITY SERVICES.							
<p>The Metropolitan Government of Nashville and Davidson County is responsible for a multi-discipline, all hazards response to all locations within Davidson County. Primary public safety responses, within the Metropolitan Government, are delivered by the Metropolitan-Nashville Police Department and the Nashville Fire Department. The Nashville Fire Department provides land-based EMS and fire responses, as well as waterborne and now airborne capabilities such as suppression, search and rescue, Helicopter Aquatic Rescue Team and hazardous materials responses. These public safety agencies represented by this investment justification are active members of the AMSC and are listed in the Port Risk Mitigation Plan. The Port of Nashville encompasses a multitude of critical facilities that are subject to transportation security incidents. Among the most critical assets in the Nashville area include the Old Hickory Lock/Dam and J. Percy Priest Hydroelectric Dam. As the need arises these agencies are tasked with both rapid armed intervention and emergency medical response to any maritime security threat incident. These agencies also maintain water rescue, dive teams, helicopter aquatic rescue, and hazardous materials response. These capabilities are in close proximity to Port of Nashville access points throughout Davidson County and are able to deploy immediately upon request or as emergencies develop. These agencies provide a layered protection for many regulated entities and critical infrastructure as listed:</p> <ol style="list-style-type: none"> <li>1. Music Valley Landing</li> <li>2. Old Hickory Lock and Dam</li> <li>3. J. Percy Priest Hydroelectric Dam</li> <li>4. Metro Water Services processing facilities</li> <li>5. Cumberland River Railroad Turn Bridge</li> <li>6. Cumberland River Railroad Bridge</li> <li>7. N&amp;W Railroad Turn Bridge</li> <li>8. Silliman Evans Bridge</li> <li>9. Interstate 65 Bridge over Cumberland River</li> <li>10. Nashville, TN - Capital of Tennessee</li> <li>11. Port of Nashville</li> <li>12. General Jackson Showboat</li> <li>13. Nissan Stadium</li> <li>14. Ascend Amphitheater</li> </ol> <p>The Nashville Metropolitan Government's ITS Strategic Roadmap includes information security policies that are foundational to an information security program. Metro has adopted polices from NIST Cybersecurity Framework and incorporates industry standards/best practices and continues to evaluate and update existing policies based on an ever-changing environment and new requirements for information security. The policies, practices, software, and training of employees are in line with the Cybersecurity National Priority.</p>							

**PART VII MARITIME SECURITY MOU, MOA AND/OR MUTUAL AID AGREEMENTS**

**34) IF YOUR AGENCY PROVIDES SECURITY SERVICES TO MTSA REGULATED FACILITIES, IDENTIFY AND DESCRIBE THE TYPE(S) OF AGREEMENT(S) THAT REQUIRES YOUR AGENCY TO DIRECTLY PROVIDE PORT SECURITY SERVICES TO MTSA REGULATED FACILITIES.**

The Metropolitan Government of Nashville and Davidson County has the lead law enforcement, EMS, and fire operational responsibilities for the county. Through existing EMA MOUs, we are subject to be deployed wherever requested through the EMA channels. We have MOUs with the Federal Bureau of Investigation, U.S. Army Corp of Engineers, Tennessee Wildlife Resource Agency (TWRA), Tennessee Highway Patrol, Tennessee Army National Guard, TEMA and several MOAs with commercial businesses that cover the waterway and bank areas with response responsibilities. All departments under the Metropolitan Government of Nashville and Davidson County which have vessels share CI/KR patrol responsibilities with police/fire sharing response and rescue responsibilities. This project demonstrates true multi agency cooperation and will build on a recently established capability of a National Deployable Asset in the event of a catastrophic disaster. The program is in accordance with the FEMA vision for a "Prepared and Resilient Nation" as outlined in the 2018-2022 FEMA Strategic Plan. The public safety agencies represented by this investment justification are active members of the local AMSC and are listed in the Port Risk Mitigation Plan as well as the newly developed Sector Ohio Valley RAD/NUC Detection CONOPS Plan, RND Equipment, Training, and Exercise Guidelines and the Port of Nashville Annex Detection Plan. The Port of Nashville includes many vulnerable facilities. In addition to the Old Hickory Lock/Dam, the J. Percy Priest Hydroelectric Dam is one of the most critical assets in the port and is in the Nashville Area. The public safety agencies represented by this investment justification are responsible for early warning and detection of any threats or hazards, and in addition, The Nashville Fire Department is faced with the higher probability of a barge fuel fire due to 60% of Nashville's fuel is delivered by barge now. These agencies maintain water rescue, dive teams, hazardous materials response, Urban Search and Rescue, and a FEMA Type I CBRNE Team. These capabilities are located very close and can deploy immediately to port events. These agencies/units provide a layered protection for the many regulated entities and critical infrastructure along the Cumberland River and its tributaries.

**PART VIII - ALL AGENCIES/ORGANIZATION – IMPORTANT FEATURES**

**35) DESCRIBE ANY OPERATIONAL ISSUES YOU DEEM IMPORTANT TO THE CONSIDERATION OF YOUR APPLICATION, SUCH AS LACKING OR INADEQUATE CAPABILITIES OR**

With the Captain of the Ports priorities being Cyber component. Currently we don't this type of capability with Nashville Fire Department. The tethered drones fit this criteria with the following: Intelligence and information sharing, Planning, enhancing the observation capability for Public information and warning, as a deterrent for Long-term vulnerability reduction and Situational assessments. Also enhances Risk management for protection programs and activities.

**PART IX - INVESTMENT JUSTIFICATION ABSTRACT**

**36) WHAT ASSET(S) OR SERVICE(S) WOULD THIS PROJECT INVESTMENT FUND (i.e. vessels, radios, cameras,** Cameras

**37) IDENTIFY SIMILAR ASSETS THAT ALREADY EXIST:** None. This will add new capabilities to the Port.

**38) SPECIFY VULNERABILITIES IDENTIFIED WITHIN AN AREA MARITIME SECURITY PLAN, FACILITY SECURITY PLAN, VESSEL SECURITY PLAN, OR OTHER IDENTIFIED PLAN(S)**

The proposed investment meets the outlined national priorities of a "Secure and Resilient Nation" with the capabilities required across the whole community to prevent, protect against, mitigate, respond to, and recover from the threats and hazards that pose the greatest risk. From a whole port perspective, this investment adds a new capability and enhances existing capabilities of the emergency services providers within the Port of Nashville and for the COTP Ohio Valley Sector. The capabilities include threat interdiction prior to casualties, protect further loss of life during an incident, mitigation of threats (individual aggressors/CBRNE/IED), and the ability of emergency services to provide continued services in the recovery phase of Transportation Security Incidents and other catastrophic disasters with the potential for mass casualties. The investment specifically addresses vulnerabilities outlined in the Ohio Valley 2013 Area Maritime Security Assessment Report as included in the 2014 COTP Ohio Valley Area Maritime Security Plan. This is a valuable tool to have in the city and State as well as a valuable resource for our partners in the area. The most probable Transportation Security Incident scenario is the use of a Certain Dangerous Cargo Barge to attack a high-density population area. This vulnerability is a concern in the Port of Nashville due to the high number of residents moving into the riverfront and river adjacent areas within the port. A new study from the University of Tennessee shows the population boom for the Mid-state is expected to continue, with over half a million people moving to Nashville in the next 20 years, with many population centers along the Cumberland River. New major mixed residential/commercial properties are being planned or built along the banks of the Cumberland River among those is a proposed Oracle headquarters to be built on the east bank of the Cumberland river with a inland harbor being built to support residents living in the new campus. This investment enhances the capability to monitor around the clock, waterborne capabilities to interdict such vessels, and the thermal capabilities to mitigate the hazards presented by the contents of the CDC Barges. The AMSP also identifies one of the most probable TSI(s) is from a vessel borne IED to attack spectators during a large marine event. The Port of

Nashville is particularly vulnerable to this type of attack due to the high number of large-scale events situated on the Cumberland River. Some of the largest events in this category include the 4th of July Celebration, CMA Music Festival, New Year's Eve celebration, NFL games, baseball games, and concerts at the venues adjacent to the river. Many of the events have 75–150K or more attendees. This investment enhances the existing capabilities to respond to threats before casualties occur, but also introduces a new capability to respond to and recover from mass casualty events. This is accomplished by increasing the distance and type terrain where tactical and medical personnel can be transported to provide life-saving care at the point of wounding or injury. Finding and treating patients could be done in concert with efforts to extricate victims to a casualty collection point where a secondary triage, treatment, and transport can be provided. A third vulnerability assessed is the threat of a hijacked vessel or IED attack of a large passenger vessel. The Port of Nashville hosts large numbers of tourists that board large passenger vessels such as the General Jackson. Equipment proposed in the investment addresses this vulnerability. Our FEMA Type I Tactical/SWAT team and FEMA Type I FBI Accredited Bomb Squad conduct regular training to develop the tactics, techniques, and procedures to integrate the two teams when responding to both armed and explosive threats as a combined element. This investment is requesting related equipment to support the training and expansion of this response capability and the enhancement of equipment for the purpose of life safety and survivability of team members. An additional vulnerability that falls into IED category is the possibility of an IED to destroy a waterfront facility to create a major environmental incident or mass casualty event. The investment needs, as stated above, apply to this scenario and further addresses the capability to respond to, mitigate the loss of life, and assist in recovery operations should the facility be compromised. Combined police/EMS waterborne capabilities and rescue equipment would greatly reduce the loss of life in such an occurrence. The emergency service providers of the Metropolitan Government of Nashville and Davidson County regularly conduct training exercises with public safety partners to include U.S. Coast Guard, OEM, and TEMA, all of which would benefit from the increased capabilities in this investment. Nashville Police, Fire, and EMS have also conducted department wide training individually and jointly that specifically address the need for small unit level entry/rescue training while providing medical attention to victims. This training has been in the active aggressor context. This investment will complement the newly established Maritime Rescue Task Force in the context of the Port of Nashville and the greater Ohio Valley COTP zone. Approximately seven years ago the Metropolitan Government of Nashville identified a large vulnerability in its mass gatherings in the port area. Since Nashville routinely lists as a top destination for conventions and special events, Nashville has devoted significant resources in personnel, training hours, funds, equipment, and technologies to enhance its deterrence, detection, prevention, response, and mitigation of this vulnerability. Nashville has used its own funds to train its 1500 officers and 300 Nashville Fire EMTs on responses to active shooter and rescue task force situations. The first responders have been issued personal floatation devices, level IV ballistic plate carriers, ballistic helmets, water rescue throw bags, and medical supplies. The awarding of the grant will ensure we properly enhance the program of integrated police and EMS responses and recovery capabilities with real time observations and making tactical/strategic decisions with the tethered drones, during both land and maritime operations, in daytime, low-light, and no-light environments by providing the necessary resources to continue to incorporate the Rescue Task Force Model for the police and EMS who are responding to incidents of active aggression in the Port of Nashville or to transportation incident within the Port.

**39) SUMMARIZE THE PROPOSED INVESTMENT JUSTIFICATION.**

THE FOLLOWING MUST BE INCLUDED:

- DESCRIBE HOW THIS INVESTMENT ADDRESSES THE CAPTAIN OF THE PORT'S PRIORITIES
- EXPLAIN HOW THIS INVESTMENT WILL ACHIEVE A MORE SECURE AND RESILIENT PORT AREA
- IF SIMILAR CAPABILITIES ALREADY EXIST, EXPLAIN WHY ADDITIONAL ASSETS/SERVICES ARE NEEDED.

By having tethered drones in our inventory and deployed at large special events this meets the Captain of the Port's priorities enhancing cybersecurity; and enhancing the protection of soft targets/crowded places. With real time observation from an elevated platform with zoom capabilities, thermal imaging will help protect and observe activities during large events on the river such as the Music City Gran Prix, 4th of July, all events at Nissan Stadium campus. With tethered drones this meets the cyber component of the justification. The tethered drones have a constant power source and are rated all weather this provides security for considered soft targets and target areas making the port area more resilient.

**PART X - NATIONAL PRIORITIES**

<b>40) IDENTIFY ONE PROGRAM PRIORITY THIS INVESTMENT MOST CLOSELY SUPPORTS (Program Priorities are identified in the NOFO):</b>	<b>Program Priority 1</b>
<b>41) DESCRIBE HOW, AND THE EXTENT THIS INVESTMENT JUSTIFICATION MEETS ONE OR MORE OF THE NATIONAL PRIORITIES.</b>	

The proposed investment meets the national priorities with the capabilities required across the whole community to prevent, protect against, mitigate, respond to, and recover from the threats and hazards that pose the greatest risk. From a whole port perspective, this investment adds new capabilities and enhances existing capabilities of the emergency services providers within the Port of Nashville and for the COTP Ohio Valley Sector. The capabilities include threat interdiction prior to casualties, protect further loss of life during an incident, mitigation of threats (individual aggressors/CBRNE/IED), and the ability of emergency services to provide continued services in the recovery phase of TSI and other catastrophic disasters with the potential for mass casualties. The investment specifically addresses vulnerabilities outlined in the Ohio Valley Area Maritime Security Assessment Report as included in the COTP Ohio Valley Area Maritime Security Plan. The most probable Transportation Security Incident scenario is the use of a Certain Dangerous Cargo Barge to attack a high-density population area. This vulnerability is a concern in the Port of Nashville due to the high number of residents moving into the riverfront and river adjacent areas within the port. A study from the University of Tennessee shows the population boom for the Mid-state is expected to continue, with over half a million people moving to Nashville in the next few years, with many population centers along the Cumberland River. New major mixed residential/commercial properties are being planned or built along the banks of the Cumberland River. This investment enhances the capability to provide an armed response to vessels that present a threat, waterborne capabilities to interdict such vessels, and the CBRNE capabilities to mitigate the hazards presented by the contents of the CDC Barges. The AMSP also identifies one of the most probable TSI(s) is from a vessel borne IED to attack spectators during a large marine event. The Port of Nashville is particularly vulnerable to this type of attack due to the high number of large-scale events situated on the Cumberland River. Some of the largest events in this category include the 4th of July Celebration, CMA Music Festival, New Year's Eve celebration, NFL games, baseball games, and concerts at the venues adjacent to the river. Many of the events have 75–150K or more attendees. This investment enhances the existing capabilities to respond to threats before casualties occur, which also introduces a new capability to respond to and recover from mass casualty events. This is accomplished by increasing the distance and type of terrain where tactical and medical personnel can be transported, to provide life-saving care at the point of wounding or injury. Finding and treating patients could be done in concert with efforts to extricate victims to a casualty collection point. A third vulnerability assessed is the threat of a high jacked vessel or IED attack of a large passenger vessel. The Port of Nashville hosts large numbers of tourists that board large passenger vessels such as the General Jackson. Equipment proposed in the investment addresses this vulnerability. Our FEMA Type I Tactical/SWAT team and FEMA Type I FBI Accredited Bomb Squad conduct regular training to develop the tactics, techniques, and procedures to integrate the two teams when responding to both armed and explosive threats as a combined element. This investment is requesting related equipment to support the training and expansion of this response capability and the enhancement of equipment for the purpose of life safety and survivability of team members. An additional vulnerability that falls into IED category is the possibility of an IED to destroy a waterfront facility to create a major CBRNE incident or mass casualty event. The investment needs, as stated above, apply to this scenario, and further addresses the capability to respond to, mitigate the loss of life, and assist in recovery operations should the facility be compromised. Combined police/EMS waterborne capabilities and rescue equipment would greatly reduce the loss of life in such an occurrence. The emergency service providers of the Metro Government of Nashville and Davidson County regularly conduct training exercises with public safety partners to include TWRA, USCG, OEM, NFD, and TEMA, all of which would benefit from the increased capabilities in this investment. Nashville Police, Fire, and EMS have also conducted department wide training individually and jointly that specifically address the need for small unit level entry/rescue training while providing medical attention to victims. This training has been in the active aggressor context. This investment will complement the established Maritime Rescue Task Force in the context of the Port of Nashville and the greater Ohio Valley COTP zone. The Metro Government of Nashville identified a large vulnerability in its mass gatherings in the port area. Since Nashville routinely lists as a top destination for tourists, conventions and special events, Nashville has devoted significant resources in personnel, training hours, funds, equipment, and technologies to enhance its deterrence, detection, prevention, response, and mitigation of this vulnerability. Nashville has used its own funds to train its 1500 officers and over 300 Nashville Fire EMTs on responses to active shooter and rescue task force situations. All of these first responders have been issued personal floatation devices, water rescue throw bags, and medical supplies. The awarding of the grant will ensure we properly enhance the program of integrated police and EMS responses and recovery capabilities, during both land and maritime operations, in daytime and no-light environments by providing the necessary resources to continue to incorporate the RTF for the police and EMS who are responding to incidents of active aggression in the Port of Nashville.

#### PART XI - IMPLEMENTATION PLAN

#### 42) PROVIDE A HIGH-LEVEL TIMELINE OF MILESTONES FOR THE IMPLEMENTATION OF THIS INVESTMENT, SUCH AS PLANNING, TRAINING, EXERCISES, AND MAJOR

	Milestones	Start Date (mm/yyyy)	Completion Date (mm/yyyy)	Percentage of Project
1.	Vendors to be contacted for demonstrations	10/2022	02/2023	20%
2.	Equipment will be selected	02/2023	03/2023	20%
3.	Equipment will be Ordered from Vendor	03/2023	05/2023	20%

4.	Equipment will be distributed	11/2023	12/2023	20%
5.	Training Classes will be Conducted (If Applicable)	11/2023	12/2023	20%
6.				
7.				
8.				
9.				
10.				
<b>Total Percentage of Project</b>				<b>100%</b>

[Click To Proceed to Budget 3](#)

**PSGP Budget Detail Worksheet** Sensitive Security Information

**A. Personnel.** List each position by title and name of employee, if available. Show the annual salary rate and the percentage of time to be devoted to the project. Compensation paid for employees engaged in grant activities must be consistent with that paid for similar work within the applicant organization.

Name/Position	Description of Project Work Activities	Computation	Cost
Name/Position for Management and Administration	Description of Management and Administration Activities	Computation	Cost
		<b>Total Personnel</b>	

**B. Fringe Benefits.** Fringe benefits should be based on actual known costs or an established formula. Fringe benefits are for the personnel listed in budget category (A) and only for the percentage of time devoted to the project.

Name/Position	Description of Fringe Benefits	Computation	Cost

Name/Position for Management and Administration	Description of Fringe Benefits	Computation	Cost
		<b>Total Fringe Benefits</b>	

**C. Travel.** Itemize travel expenses of project personnel by purpose (e.g., staff to training, field interviews, advisory group meeting, etc.). Show the basis of computation (e.g., six people to three-day training at \$X airfare, \$X lodging, \$X subsistence). In training projects, travel and meals for trainees should be listed separately. Show the number of trainees and unit costs involved. Identify the location of travel, if known. Indicate source of Travel Policies applied, Applicant or Federal Travel Regulations.

Purpose of Travel	Location	Computation	Cost
Purpose of Travel for Management and Administration	Location	Computation	Cost
		<b>Total Travel</b>	

**D. Equipment.** List non-expendable items that are to be purchased. Non-expendable equipment is tangible property having a useful life of more than one year. (Note: Organization’s own capitalization policy and threshold amount for classification of equipment may be used).

Identify the Authorized Equipment List number (AEL #) for items requested. Expendable items should be included either in the “Supplies” category or in the “Other” category. Applicants should analyze the cost benefits of purchasing versus leasing equipment, especially high cost items and those subject to rapid technical advances. Rented or leased equipment costs should be listed in the “Contractual” category. Explain how the equipment is necessary for the success of the project. Attach a narrative describing the procurement method to be used. For CBRNE Vessels or Vehicles, list the specific CBRNE equipment that will be installed on the vessel or vehicle, including equipment already owned by the applicant.

Equipment (Type and AEL#)	Description and Purpose of Equipment	Computation (Quantity x per unit cost)	Cost
Tethered sUAS ( 03OE-07-SUAS - System, Small Unmanned Aircraft)	Tethered Drones to enhance cyber hardening and to be used for recon and support flood/swift-water rescue capabilities not just as a resource for Metropolitan Nashville and Davidson County but for the State and EMA EMAC deployments.	2 X \$94,440	\$188,880
Equipment for Management and Administration (Type and AEL#)	Description and Purpose for Equipment	Computation (Quantity x per unit cost)	Cost
		<b>Total Equipment</b>	<b>\$188,880</b>
<p><b>E. Supplies.</b> List items by type (office supplies, postage, training materials, copying paper, and other expendable items such as books, hand held tape recorders) and show the basis for computation. (Note: Organization’s own capitalization policy and threshold amount for classification of supplies may be used). Generally, supplies include any materials that are expendable or consumed during the course of the project.</p>			
Supplies	Description and Purpose of Supplies	Computation (Quantity x per unit cost)	Cost

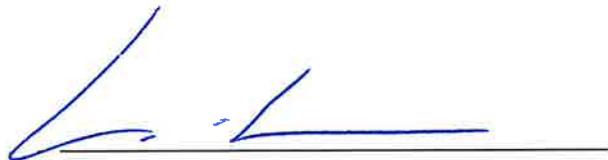
Item for Management and Administration	Location and/or Purpose	Computation	Cost
		<b>Subtotal – Consultant Expenses</b>	
<p><b>Contracts:</b> Provide a description of the product or services to be procured by contract and an estimate of the cost. Applicants are encouraged to promote free and open competition in awarding contracts. Any sole source contracts must follow the requirements set forth in applicable state and local laws and regulations, as well as applicable Federal regulations at 2 CFR Part 200.</p>			
Item	Description of Services Provided	Computation	Cost
Item for Management and Administration	Description of Services for Management and Administration	Computation	Cost
		<b>Subtotal – Contracts</b>	
		<b>Total Consultants/Contracts</b>	
<p><b>G. Other Costs.</b> List items (e.g., reproduction, janitorial or security services, and investigative or confidential funds) by major type and the basis of the computation. For example, provide the square footage and the cost per square foot for rent, and provide a monthly rental cost and how many months to rent.</p>			
Item	Description and Purpose	Computation	Cost





**APPLICATION FOR FY2022 PORT SECURITY GRANT PROGRAM**

**METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY**



Director  
Department of Office of Emergency Management

6/25/22  
Date