

Grant Title/Project Name:	Portable High Pressure Mass Spectrometer
Department:	542 - Fire Marshal Special Operations
Requestor:	Michael Wofford
Contact Email:	mwofford@wilco.org
Contact Phone Number:	512-844-2676
Start Date:	9/1/2021
End Date:	8/31/2022
Please select request category:	Asset
Describe the purpose of the grant in detail to include all requirements.	Homeland Security Grant to purchase a Portable High Pressure Mass Spectrometer for the Williamson County Hazmat Team.
Select the type of grant your department is applying for:	Federal
What is the amount of the grant?	\$80,000.00
Please provide a breakdown of the total cost above.	<p>908 DEVICES MX908-C HANDHELD IMS CHEMICAL IDENTIFICATION SYSTEM, INCLUDES 3-YEAR WARRANTY AND SUPPORT, ON-SITE TRAINING - \$79,000</p> <p>MX908 CHEMICAL TRAINING KIT - \$500.00</p> <p>MX908 TRACE SAMPLING SWABS, 100ct. - \$500.00</p>
Is there a match requirement?	No
What is the source of the match?	
Does the grant cover the cost of the request 100%?	Yes
If not, how much is left unpaid?	
What is the plan to obtain grants/funds for the remaining amount?	
List other similar assets in the County and/or region and if they are available for use?	None
How is this asset request different from any similar assets currently in the County and/or region?	N/A
What types of events/purpose would this asset be used for that cannot be accomplished with a current County asset?	This unit allows for Detection and Identification of Trace-Level unknown Vapors, Solids and Liquids, including CWA's (Chemical Warfare Agents), Explosives, TIC's (Toxic Industrial Chemicals, Illicit Drugs including Fentanyl). Currently, none of the Hazmat teams in the Region have the ability to identify Trace-levels of these items with a hand held unit that uses High Pressure Mass Spectrometry. This unit would be utilized on Hazmat/Terrorism events as well as explosions and suspicious packages to help ensure we identify any potential threats to responders or the public.
How often do these events occur?	Randomly
Identify the number of personnel required to operate this asset and/or be available for the function where it is to be used? How much time is required of those personnel? What is the cost of the personnel?	1 person. Our Hazmat Team would keep several people that are on duty 24/7 trained in the operation of the unit year round so that it can be utilized anytime it is needed.
Where will the asset be stored?	Hazmat Response Unit
What is the useful life of the asset?	10 - 15 years

Will a replacement be requested from general funds when useful life has been exhausted?	No
Will other agencies be billed for the use of this asset (e.g. vendors paid, employee worked hours and paid, inventory costs etc.)?	When possible, Hazmat billing would be used to recover costs from the responsible party after an incident.
Does this asset require insurance coverage?	No
If yes, what is the estimate of asset insurance coverage?	
Will this asset require on-going maintenance? Please describe the maintenance required along with an estimate for these costs.	No, the unit does not require any kind of calibration or maintenance.
How will this asset be funded when the grant ends?	Budget funds would be used to purchase sampling swabs. We would aim to add in the annual warranty costs to our monitor maintenance grant each year after the initial 3 year warranty.
What is the impact if the grant is not received?	If we do not receive the grant, we would attempt to get grant funding again next year.
New Personnel position is:	
Where will this position office?	
Who will this position report to?	
What tasks will this position perform? Include the five primary functions and the percentage of time spent to be spent on each function.	
Will this position take over tasks from current County employee?	
If yes, please explain the impact to current employee.	
How will this position be funded when the grant ends?	
Does this position or a similar position currently exist within the department?	
If "yes" how many of these similar positions exist	
Describe any alternatives considered to achieve desired outcome in lieu of a position (i.e. equipment, software, technology or change in business practice).	
Describe how workload will be accomplished/re-allocated should grant not be approved.	
List other similar items in the County and/or region and if they available for use?	
How is this item request different from any similar assets currently in the County and/or region?	
What types of events/purpose would this item be used for that cannot be accomplished with a current County asset?	
Identify the number of personnel required to operate this item and/or be available for the function where it is to be used?	
Please explain how this item will create the need for more or less personnel (or mark n/a for no change)?	
Where will the item be stored?	

What is the useful life of the item?	
Will other agencies be billed for the use of this item (e.g. vendors paid, employee worked hours and paid, inventory costs etc.)?	
Does this item require insurance coverage?	
Will this item require any form of licensing?	
Will this item require on-going maintenance? Please describe the maintenance required along with an estimate for these costs?	
How will this item be funded when the grant ends?	
What is the overall budgetary impact? (i.e. revenue generation, expense reduction, etc.)	Small cost for consumables to run tests. Possibility of revenue from Hazmat Billing on certain incidents.
Please identify any additional equipment needed/required (now or in the future) should the grant/asset is awarded.	None
What is the cost and frequency to maintain/update the additional equipment?	None
What is the impact of this grant application on other internal/county departments?	None
If yes, what is the estimate of that license fee?	
If yes, what is the estimate of insurance coverage?	
Will a replacement be requested from general funds when useful life has been exhausted? (OR)	
If yes, how much is the match amount?	
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