



BOARD OF SUPERVISORS AGENDA ITEM REPORT AWARDS / CONTRACTS / GRANTS

☐ Award ☐ Contract ☒ Grant

Requested Board Meeting Date: 11/02/2021

or Procurement Director Award: ☐

* = Mandatory, information must be provided

***Contractor/Vendor Name/Grantor (DBA):**

State of Arizona Department of Forestry and Fire Management

***Project Title/Description:**

DFFM Mitigation Big Horn Fire Project: Flood Mitigation Camera

***Purpose:**

Flash flooding from watersheds affected by the Bighorn Fire poses a serious and lasting danger to the downstream residents of Pima County. Strategically placed cameras with telemetry that can be monitored by flood control specialists, emergency responders, traffic officials and the public are an important tool to identify and mitigate flood hazards. Many flood hazard identification tools such as Doppler Radar, ALERT and USGS stage monitoring sites requires professional interpretation of data to understand the flood hazard. Cameras however, provide an easily understandable visual verification of flooding conditions that can quickly describe flood hazards to a wide audience. Additionally, cameras are essential tools to validate other flood control monitoring readings such as stream depth or road conditions. The proposed cameras will be placed in key locations on watercourses that are susceptible to flash flooding downstream of the Bighorn Fire burn scar (see attached map). The cameras will assist in the early identification of dangerous flooding conditions and will mitigate flood hazards by improving public safety agencies' ability to rapidly convey accurate information to alert the public.

This is a reimbursement opportunity from DFFM. Under this program, county agencies were required to obtain quotes for eligible equipment to help with post-fire flood mitigation. Once quotes were obtained, the agency was required to submit a resource request to DFFM. If DFFM approved the resource request, it returned a signed request back to the agency signifying approval of the award. The agency is then authorized to purchase the equipment. Once the equipment has been procured, the agency is to timely submit the invoice to DFFM, which will then reimburse the funds.

***Procurement Method:**

Not applicable

***Program Goals/Predicted Outcomes:**

Improve the ability of RFCD to detect and provide warnings for hazardous streamflow conditions downstream of the Bighorn Fire scar.

***Public Benefit:**

Cameras improve the RFCD Flood Warning System and will provide a public safety benefit.

***Metrics Available to Measure Performance:**

Successful performance metrics include six functional pan/tilt/zoom cameras installed at specified locations with telemetry that allows remote operation and real-time observation.

***Retroactive:**

No

G.M. approved 10.14.21

THE APPLICABLE SECTION(S) BELOW MUST BE COMPLETED

Click or tap the boxes to enter text. If not applicable, indicate "N/A". Make sure to complete mandatory (*) fields

Contract / Award Information

Document Type: _____ Department Code: _____ Contract Number (i.e., 15-123): _____
Commencement Date: _____ Termination Date: _____ Prior Contract Number (Synergen/CMS): _____
☐ Expense Amount \$ _____ ☐ Revenue Amount: \$ _____

***Funding Source(s) required:** _____

Funding from General Fund? ☐ Yes ☐ No If Yes \$ _____ % _____

Contract is fully or partially funded with Federal Funds? ☐ Yes ☐ No

If Yes, is the Contract to a vendor or subrecipient? _____

Were insurance or indemnity clauses modified? ☐ Yes ☐ No

If Yes, attach Risk's approval.

Vendor is using a Social Security Number? ☐ Yes ☐ No

If Yes, attach the required form per Administrative Procedure 22-10.

Amendment / Revised Award Information

Document Type: _____ Department Code: _____ Contract Number (i.e., 15-123): _____

Amendment No.: _____ AMS Version No.: _____

Commencement Date: _____ New Termination Date: _____

Prior Contract No. (Synergen/CMS): _____

☐ Expense ☐ Revenue ☐ Increase ☐ Decrease

Amount This Amendment: \$ _____

Is there revenue included? ☐ Yes ☐ No If Yes \$ _____

***Funding Source(s) required:** _____

Funding from General Fund? ☐ Yes ☐ No If Yes \$ _____ % _____

Grant/Amendment Information (for grants acceptance and awards)

☐ Award ☐ Amendment

Document Type: GTAW Department Code: FC Grant Number (i.e., 15-123): 22*032

Commencement Date: 11/02/2021 Termination Date: 11/01/2022 Amendment Number: _____

☐ Match Amount: \$ _____ ☒ Revenue Amount: \$ 165,241.00

***All Funding Source(s) required:** _____

*Match funding from General Fund? ☐ Yes ☒ No If Yes \$ _____ % _____

*Match funding from other sources? ☐ Yes ☒ No If Yes \$ _____ % _____

*Funding Source: _____

*If Federal funds are received, is funding coming directly from the Federal government or passed through other organization(s)?

Contact: Lynn Orchard

Department: Regional Flood Control District

Telephone: (520) 724-4654

Department Director Signature: _____ Date: 10/11/2021

Deputy County Administrator Signature: _____ Date: 10/13/2021

County Administrator Signature: _____ Date: 10/13/21

Order Desk (ICS-213RR)

Last Update: 08/17/2021 07:23:30

Resource Request Message					Purpose: The Resource/Mission Request is used by all incident personnel to request tactical and non-tactical resources	
Resource Request Message	1. Incident Name: DFFM Post-Fire Flood Mitigation		Date/Time: 08/06/2021 14:43:17		3. Resource Request # R-5802766	
	4. ORDER Note: ***Use additional forms when requesting different resource source of supply***					
	Request Details				Routing: State of Arizona Department of Forestry and Fire Management	
	a. Qty	Short Description	b. Type	c. Kind	d. NIMS Category	e. Priority U or R
1	Flood Cameras		Equipment	(Select)	(Select)	<p>DFFM Mitigation Big Horn Fire Project: Flood Mitigation Camera Purpose:</p> <p>Flash flooding from watersheds affected by the Bighorn Fire poses a serious and lasting danger to the downstream residents of Pima County. Strategically placed cameras with telemetry that can be monitored by flood control specialists, emergency responders, traffic officials and the public are an important tool to identify and mitigate flood hazards. Many flood hazard identification tools such as Doppler Radar, ALERT and USGS stage monitoring sites requires professional interpretation of data to understand the flood hazard. Cameras however, provide an easily understandable visual verification of flooding conditions that can be quickly describe flood hazards to a wide audience. Additionally, cameras are essential tools to validate other flood control monitoring readings such as stream depth or road conditions. The proposed cameras will be placed in key locations on watercourses that are susceptible to flash flooding downstream of the Bighorn Fire burn scar (see attached map). The cameras will assist in the early identification of dangerous flooding conditions and will mitigate flood hazards by improving public safety agencies' ability to rapidly convey accurate information to alert the public.</p> <p>Scope of work:</p> <p>On behalf of Pima County Regional Flood Control District, JE Fuller Hydrology & Geomorphology Inc. (JEF) will furnish, install and make operational 6 pan, tilt, zoom IP cameras in and around the Bighorn Fire burn scar. This work will be overseen by the Pima County Regional Flood Control District and IT Department (ITD).</p> <p>Task 1: Coordination</p> <p>JEF shall provide project coordination. Tasks include overall project management and coordination with other agencies and organizations including the National Forest Service, Pima County Department of Transportation (PCDOT), and/or Arizona 811. JEF will coordinate data provision and public static IPV4 addresses through equipment manufacturers and service providers and secure a dedicated domain name for each camera location.</p> <p>Tasks 2 Through 7: Pan Tilt Zoom Camera Installation</p> <p>JEF shall furnish, install, and setup a solar powered Pan Tilt Zoom camera system. This task will include reconnaissance with county staff to verify camera installation location, installation of concrete base, and camera pole installation. Installation will also include programming the camera tour and image transmission, as well as adding the latest images to the existing publicly accessible data map and any applicable DSS pages. JEF will supply 1 year of data provision. Please see the attached detailed fee estimate, which includes the complete equipment specifications and</p>

				costs.	
				Prioritization of the resource requested: The proposed project's primary purpose is to protect the life and safety of individuals from the hazard posed by flash floods from the Bighorn Fire scar. These cameras will aid in the early detection flood hazards and the effective dissemination of hazard warnings to the public. Early warning of flood hazards will also aid in efforts of individuals and agencies to take measures to protect property in the hazard area.	
				Life Safety, Property Conservation	
g. Requested Reporting:					
Location	Date/Time	h. Order # (LSC)		i. ETA (LSC)	j. Cost
					\$165,241.00
5. Suggested Source(s) of supply - POC phone number if known and suitable substitutes:					
JE Fuller					
Request POC Lynn Orchard, Chief Hydrologist- Pima County Flood Control			Request POC Number 520-724-4600		
Request Status					
Assigned					

Deployments				
Deployment#	Qty	Kind	Type	Details

Comments			
Position	Name	Date/Time	Comment
DEMA - LOG Order Desk	Sabrina Lehrke	08/17/2021 14:22:57	Notified Sandra Espinoza of update via email.
State of Arizona Department of Forestry and Fire Management	John Richardson	08/16/2021 23:41:36	DFFM and DEMA consulted on 8/16/2021. DFFM approves this request.
DEMA - LOG Order Desk	Sabrina Lehrke	08/16/2021 17:32:30	Routed to DFFM and notified John Richardson via email.
DEMA - LOG Order Desk	Sabrina Lehrke	08/16/2021 17:29:11	Attached the camera location map to this request.



Douglas A. Ducey
Governor

Office of the State Forester

Arizona Department of Forestry and Fire Management



David Tenney
State Forester

Process flow for Distributing Post-Fire Funding – DFFM and DEMA

Purpose – Address the needs of local jurisdictions and landowners for post-fire flooding activities.

1. Local jurisdictions and landowners will submit a resource request for financial assistance for mitigation projects to address post-fire flooding to their County Emergency Management Agency.
 - a. Mitigation projects must be for fires that were active on or after July 1, 2020.
2. County Emergency Management will verify that the request is not currently being requested through other emergency funding sources and is in compliance with House Bill 2001, Section A., paragraphs 3 and 4.
3. County Emergency Management will submit a 213RR in the “DFFM Post-Fire Flood Mitigation” incident in WebEOC. DEMA Logistics will route the request to the State of Arizona Department of Forestry and Fire Management after vetting the request to ensure all information needed is included.
 - a. The 213RR Resource Request must include the following:
 - i. Fire Name
 - ii. Please include “this request is for DFFM Post-Fire Funding”
 - iii. Item to be purchased
 1. 1 resource per 213RR
 - iv. Quantity of item
 - v. Estimated Cost per item
 1. If possible, include a quote in the attachment
 - vi. Estimated time of item deployment (if rental)
 - vii. Intended purpose or scope of work
 - viii. The location where the item will be deployed
 - ix. Prioritization of the resource requested (life safety, property protection, etc.)
4. DEMA and DFFM will meet to discuss the resource requests and determine which items are approved for final review by DFFM, which items will be reserved for future requests, and/or denied.

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5. DFFM will update the 213RR with the decision and DEMA will notify the County Emergency Management of items approved or denied (add an explanation for denial).
 - a. The county emergency management will confer with the local jurisdiction on approved or denied items.
6. The local jurisdiction will submit to DFFM (financialadmin@dffm.az.gov and tvogt@dffm.az.gov) copies of invoices for item(s) procured and in need of payment within 10 days of receipt of invoice.
 - a. If there are multiple invoices they should be packaged and organized by the 213-RR Tracking number.
 - b. The 213-RR Tracking number must be included on all invoices submitted.
7. DFFM will distribute funding to local jurisdictions for the eligible approved item(s).
 - a. Notation is made in the 213-RR of date funds were distributed by DFFM
8. The local jurisdiction will submit proof of payment to DFFM no later than 14 days after payment was made.
9. DFFM will make another notation in the 213-RR of receipt of all documents and change the status to "Complete".

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