



## **BOARD OF SUPERVISORS AGENDA ITEM REPORT** **CONTRACTS / AWARDS / GRANTS**

☐ Award ☐ Contract ☒ Grant

Requested Board Meeting Date: October 1, 2019

*\* = Mandatory, information must be provided*

or Procurement Director Award ☐

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

Federal Emergency Management Agency (FEMA)

**\*Project Title/Description:**

Flood Risk Mapping Projects, 2019 - Cooperative Technical Partnership Grant (CTP Grant)

**\*Purpose:**

The CTP Grant funds from FEMA will enable the Regional Flood Control District to update the Flood Insurance Rate Map information for the Brawley and Black washes, the Southern Santa Cruz River and Sabino and Bear creeks to reflect current flood hazards.

**\*Procurement Method:**

Not Applicable

**\*Program Goals/Predicted Outcomes:**

The CTP Grant work will replace outdated flood hazard information.

**\*Public Benefit:**

Accurate flood hazard mapping will reduced future flood damages by identifying flood risks. The data will assist the engineering community in designing flood resilient public infrastructure. The data will improve floodplain management processes and thus reduce future flood damages to private structures through permitting requirements that reflect the more accurate flood hazards.

**\*Metrics Available to Measure Performance:**

Completion of three mapping projects covering the Brawley Wash, Upper Santa Cruz River, and Sabino Creek.

**\*Retroactive:**

No. Grant agreement specified period of performance begins October 1, 2019.

**Contract / Award Information**

Document Type: \_\_\_\_\_ Department Code: \_\_\_\_\_ Contract Number (i.e., 15-123): \_\_\_\_\_  
Effective 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 22-73.

**Amendment / Revised Award Information**

Document Type: \_\_\_\_\_ Department Code: \_\_\_\_\_ Contract Number (i.e., 15-123): \_\_\_\_\_  
Amendment No.: \_\_\_\_\_ AMS Version No.: \_\_\_\_\_  
Effective Date: \_\_\_\_\_ New Termination Date: \_\_\_\_\_  
Prior Contract No. (Synergen/CMS): \_\_\_\_\_

☐ Expense or ☐ 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): 20\*036  
Effective Date: 9/1/2019 Termination Date: 7/29/22 Amendment Number: \_\_\_\_\_  
☐ Match Amount: \$ \_\_\_\_\_ ☒ Revenue Amount: \$ 1,050,000

**\*All Funding Source(s) required:** FEMA Grant

\*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)?**

Funding is direct from FEMA

Contact: Terry Hendricks

Department: Regional Flood Control District

Telephone: 724-4632

Department Director Signature/Date:

*Suzanne Shields* 9/24/19

Deputy County Administrator Signature/Date:

*[Signature]* 9/24/19


County Administrator Signature/Date:

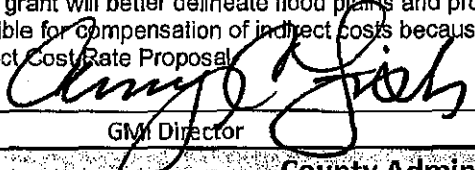

*C. D. [Signature]* 9/24/19

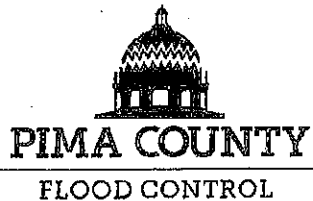
(Required for Board Agenda/Addendum Items)

## GRANT APPLICATION APPROVAL REQUEST

**Instructions:** Fill out the top section of this form completely. Contact the program Grants Management & Innovation (GMI) Lead if you require assistance (724-2240). Email your completed request to: [GMI@pima.gov](mailto:GMI@pima.gov). Your request will be forwarded to County Administration for review. Notification of approval requests should be submitted at least 15 business days prior to the application's submission deadline (AP 5-1 Procedure).

Requesting department or entity:	PC Regional Flood Control District	Date: 5/9/19
Contact information:	Name: Terry Hendricks, Chief Hydrologist Telephone: (520) 724-4635	
Funding opportunity title:	Cooperating Technical Partners (CTP) Program - Region 9	
Link to opportunity:	<a href="https://www.grants.gov/web/grants/search-grants.html?keywords=Cooperating%20Technical%20Partners">https://www.grants.gov/web/grants/search-grants.html?keywords=Cooperating%20Technical%</a>	
Funding agency:	Department of Homeland Security - FEMA	
Amount to be requested:	\$ 1,050,000.00	
Due date and time:	6/18/2019	14:00
What are you going to spend the money on?	<p>The grant will fund the update of 10 floodplain studies through three Cooperative Technical Partnership projects. These studies will significantly improve Pima County's current flood plain information and will result in necessary revisions to the Federal Flood Insurance Rate Maps. The grant will also allow recovery of indirect costs and management and administration expenditures for implementing the grant. Indirect is allowable, but is not included because FRMG did not develop a FY1819 rate for FC.</p> <p>The grant is due at 5 pm EDT. The time listed is the time deadline in Arizona.</p>	
What will be the benefit to Pima County?	<p>This effort will result in more accurate delineation and location of flood plains and hazards. This information will more accurately determine property owner flood insurance costs and County hazard mitigation areas.</p> <p>The primary goals of the CTP Program are to support the mission and objectives of the NFIP's Flood Hazard Mapping Program through FEMA's flood hazard identification and assessment programs, including the Risk Mapping, Assessment and Planning (Risk MAP) initiative. The vision for Risk MAP is to deliver quality data that increases public awareness of flood hazard risk and leads to action that reduces flood risk to life and property. Risk MAP develops flood hazard data and maps for communities that have never had identified risks as well as building on effective flood hazard data and flood insurance rate maps (FIRMS).</p>	
Indirect costs – check one:	<input type="checkbox"/> I will be requesting indirect costs. Indirect-cost rate to be requested; no IC% <input type="checkbox"/> I have attached a request for waiver of indirect costs (GMI Intranet) I <input type="checkbox"/> need help understanding indirect costs	
By: 	Date: 5/21/19	
Department Director or Designee		

<b>GRANT COST/BENEFIT ANALYSIS</b> <i>To be completed by GMI staff</i>	
CFDA No.	97.045
Competitive Criteria:	Eligibility: State, local and regional governmental agencies, whose activities support floodplain management and flood mitigation actions within the NFIP communities they serve. FEMA requested that the Pima County Flood Control District apply for these funds and Chief Hydrologist Terry Hendricks has been working with FEMA to prepare the application.
Other Factors:	Program authority and responsibility under cooperative agreements resides with FEMA. FEMA will work with recipients to review and refine work plans to ensure program goals and objectives can be effectively accomplished.
Number of Awards:	93 <span style="float: right;">Total amount to be awarded: \$ 110,000,000.00</span>
Match Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If required what is the amount/percent: _____	
Terms Notes (e.g. unusual restrictions, reporting burdens, etc.):	Award ceiling is capped at \$1,050,000. Though there is no match requirement, the total cost of project may exceed the award. Anticipated costs include up to \$60,000 for independent review, \$42,000 for management, and up to \$100,000 in contingency costs (bids over budget). This project requires a Partnership Agreement with FEMA which Pima County has already in place. FEMA will remain involved in throughout the study process. PC must comply with all applicable statutes and regulations regarding the National Flood Insurance Program. POP: up to 50 months, expectation is 3 years.
<div style="display: flex; justify-content: space-between;"> <div> Will this project require additional office/project space?  Will this project require staff time that cannot be paid for by the grant?  Will your project require any equipment items over \$5,000 per item?  Does the proposal use a fixed price contract?  Is this project subject to Human Subjects compliance?  Does this project involve subrecipients?  Is there a Statutory Funding Preference from the funding agency? </div> <div style="display: flex; flex-direction: column;"> <div><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div> <div><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</div> <div><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div> <div><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div> <div><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div> <div><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div> <div><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div> </div> </div>	
Allowable Indirect Rate: <u>no cap</u> If Indirect is not allowed, attach documentation.	
List any other proposal or funder specific requirements:	May use up to 4% of the amount of the award for Management & Administrative costs funding levels negotiated on a per-project basis include an itemized listing of specific costs associated with M&A. Indirect costs are allowable; however FC does not have a rate, because FRMG did not develop a FY1819 rate for FC. Pre-award costs directly related to developing the application and/or directly related to grant implementation after the application period has opened, but prior to the date of the cooperative agreement award or final approval, are allowed.
GMI notes & recommendations: Updating FEMA Flood Plain Information is an essential government responsibility. Completion of the work allowed by this a grant will better delineate flood plains and property owners will be assessed accordingly. This project is ineligible for compensation of indirect costs because the Flood Control District was not included in the FY 2018/2019 Indirect Cost Rate Proposal. By: <u></u> Date: <u>5/21/19</u> <div style="text-align: center;">GMI Director</div>	
<b>County Administrator Approval Request</b>	
Approved: <u>  /  </u> Not Approved: _____ Subject to Further Review: <input type="checkbox"/> Yes <input type="checkbox"/> No  If your project is subject to further review, please contact your GMI Lead to discuss necessary revisions prior to resubmission of the Grant Approval Application Request.  By: <u></u> Date: <u>5-22-2019</u> <div style="text-align: center;">County Administrator or Designee</div>	



# FEMA

## COOPERATING TECHNICAL PARTNERS PARTNERSHIP AGREEMENT

This **AGREEMENT** is made by the Pima County Regional Flood Control District (District), Pima County, Arizona, and the Federal Emergency Management Agency (FEMA), the Federal Agency that administers the National Flood Insurance Program.

**BECAUSE** the National Flood Insurance Program (NFIP) established by the National Flood Insurance Act of 1968 has several purposes, the most significant being:

- To better indemnify individuals from losses through the availability of flood insurance;
- To reduce future flood damages through community floodplain management regulations; and
- To reduce costs for disaster assistance and flood control; and

**BECAUSE** a critical component of the NFIP is the identification and mapping of the nation's floodplains to create a broad-based awareness of flood hazards and to provide the data necessary for community floodplain management programs and to actuarially rate flood insurance; and

**BECAUSE** FEMA administers the NFIP and is authorized by §1360 of the National Flood Insurance Act of 1968, as amended (42 U.S.C. 4101), to establish and update flood-risk zone data in floodplain areas; and

**BECAUSE**, in the identification of floodprone areas, FEMA is authorized to consult with, receive information from, and enter into agreements or other arrangements with the head of any State, regional, or local agency; and

**BECAUSE** FEMA encourages strong Federal, State, regional, and local partnerships for the purposes of reducing flood losses and disaster assistance; FEMA and its State, regional, and local partners have determined that it is advantageous to encourage and formalize greater cooperation in the flood hazard identification and mapping processes; and many communities and the agencies that serve them have developed considerable technical capabilities and resources that provide the opportunity to improve and expand the collection, development, and evaluation of flood hazard data; and

**BECAUSE** the District participates in the NFIP, the District has been deemed by FEMA to be in good standing in the NFIP; and

**BECAUSE** the District has expressed a desire to perform certain functions in the flood hazard identification process and has provided evidence that it has sufficient technical capability and will dedicate the resources necessary to perform those functions;

**NOW THEREFORE**, it is mutually agreed that the parties enter into this Agreement to work together to create and maintain accurate, up-to-date flood hazard data for District subject to the terms and conditions recited below:

**1. CONSULTATIONS**

The parties shall collaborate on flood hazard identification activities and shall consult with each other to fully integrate each other's contributions into flood hazard identification efforts. Questions regarding the execution of this Agreement will be resolved by an implementation committee consisting of a FEMA representative and the Chief Engineer for the District. In states where statutory and/or regulatory requirements require State review and/or approval of new flood hazard data, a State representative also will serve on the implementation committee as appropriate. If the implementation committee is unable to resolve technical issues, the issues may be resolved through alternative dispute resolution procedures.

**2. EVALUATION AND REPORTING**

The parties shall, on an annual basis, review the partnership created by this Agreement to determine and document the activities undertaken to maintain accurate flood hazard data and to revise the Agreement as necessary.

**3. RESOURCE COMMITMENT**

The parties agree to commit the appropriate and available human, technical, and financial resources sufficient to coordinate effectively with all entities impacted by flood hazard identification efforts to implement this Agreement.

**4. STANDARDS**

Unless otherwise agreed to by the parties, all flood hazard identification activities will be accomplished in accordance with the standards documented in *Guidelines and Specifications for Flood Hazard Mapping Partners*, dated April 2003, and all subsequent revisions.

**5. SPECIFIC INITIATIVES OR PROJECTS**

Specific initiatives or projects to be performed under this Agreement are to be documented in Mapping Activity Statement(s), which will be attached to this Agreement when they are signed. The parties will be obligated to perform as described in the signed Mapping Activity Statement(s).

**6. TERM**

This Agreement shall be effective on the date this Agreement is signed by both parties and shall remain in effect for an initial period of five (5) years from the effective date. Upon completion of the initial 5 year period this Agreement may extended for additional 5 years periods, or any portion thereof, by written amendment sign by both parties. Any revision or amendment of any term and condition of this Agreement must be made by written amendment signed by both parties. This Agreement may be terminated for convenience by either party by providing written notice of termination to the other party of at least 60 days prior to said termination.

**THEREFORE**, each party has caused this Agreement to be executed by its duly authorized representatives on the date mentioned above.

PIMA COUNTY FLOOD CONTROL DISTRICT  
BOARD OF DIRECTORS:

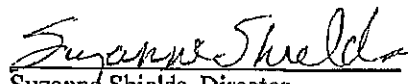
  
Sharon Bronson, Chair

AUG 05 2014  
Date


ATTEST:

  
Clerk of the Board


APPROVED AS TO CONTENT:

  
Suzanne Shields, Director  
Pima County Regional Flood Control District

APPROVED AS TO FORM:

  
TOBIN ROSEN  
Deputy County Attorney *for Kent Belbreath*

FEMA Region IX:

  
Jeffrey D. Lusk, Acting Director  
Mitigation Division

8/20/2014  
Date





U.S. Department of Homeland Security  
Washington, D.C. 20472

Suzanne Shields  
Pima County Flood Control  
97 E. Congress  
Tucson, AZ 85701 - 1797

Re: Grant No.EMF-2019-CA-00019

Dear Suzanne Shields:

Congratulations, on behalf of the Department of Homeland Security, your application for financial assistance submitted under the Fiscal Year (FY) 2019 Cooperating Technical Partners has been approved in the amount of \$1,050,000.00. You are not required to match this award with any amount of non-Federal funds.

Before you request and receive any of the Federal funds awarded to you, you must establish acceptance of the award. By accepting this award, you acknowledge that the terms of the following documents are incorporated into the terms of your award:

- Agreement Articles (attached to this Award Letter)
- Obligating Document (attached to this Award Letter)
- FY 2019 Cooperating Technical Partners Notice of Funding Opportunity.

Please make sure you read, understand, and maintain a copy of these documents in your official file for this award.

In order to establish acceptance of the award and its terms, please follow these instructions:

Step 1: Please log in to the ND Grants system at <https://portal.fema.gov>.

Step 2: After logging in, you will see the Home page with a Pending Tasks menu. Click on the Pending Tasks menu, select the Application sub-menu, and then click the link for "Award Offer Review" tasks. This link will navigate you to Award Packages that are pending review.

Step 3: Click the Review Award Package icon (wrench) to review the Award Package and accept or decline the award. Please save or print the Award Package for your records.

System for Award Management (SAM): Grant recipients are to keep all of their information up to date in SAM, in particular, your organization's name, address, DUNS number, EIN and banking information. Please ensure that the DUNS number used in SAM is the same one used to apply for all FEMA awards. Future payments will be contingent on the information provided in the SAM; therefore, it is imperative that the information is correct. The System for Award Management is located at <http://www.sam.gov>.

If you have any questions or have updated your information in SAM, please let your Grants Management Specialist (GMS) know as soon as possible. This will help us to make the necessary updates and avoid any interruptions in the payment process.

PAULENE GRAHAM-MELVIN Program Branch Chief



U.S. Department of Homeland Security  
Washington, D.C. 20472



**AGREEMENT ARTICLES**  
**Cooperating Technical Partners**

**GRANTEE:** Pima County Flood Control  
**PROGRAM:** Cooperating Technical Partners  
**AGREEMENT NUMBER:** EMF-2019-CA-00019-S01

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## **Article I - Assurances, Administrative Requirements, Cost Principles, Representation and Certifications**

DHS financial assistance recipients must complete either the Office of Management and Budget (OMB) Standard Form 424B Assurances - Non-Construction Programs, or OMB Standard Form 424D Assurances - Construction Programs, as applicable. Certain assurances in these documents may not be applicable to your program, and the DHS financial assistance office (DHS FAO) may require applicants to certify additional assurances. Applicants are required to fill out the assurances applicable to their program as instructed by the awarding agency. Please contact the DHS FAO if you have any questions.

DHS financial assistance recipients are required to follow the applicable provisions of the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards located at Title 2, Code of Federal Regulations (C.F.R.) Part 200, and adopted by DHS at 2 C.F.R. Part 3002.

## **Article II - DHS Specific Acknowledgements and Assurances**

All recipients, subrecipients, successors, transferees, and assignees must acknowledge and agree to comply with applicable provisions governing DHS access to records, accounts, documents, information, facilities, and staff.

1. Recipients must cooperate with any compliance reviews or compliance investigations conducted by DHS.
2. Recipients must give DHS access to, and the right to examine and copy, records, accounts, and other documents and sources of information related to the federal financial assistance award and permit access to facilities, personnel, and other individuals and information as may be necessary, as required by DHS regulations and other applicable laws or program guidance.
3. Recipients must submit timely, complete, and accurate reports to the appropriate DHS officials and maintain appropriate backup documentation to support the reports.
4. Recipients must comply with all other special reporting, data collection, and evaluation requirements, as prescribed by law or detailed in program guidance.
5. Recipients of federal financial assistance from DHS must complete the *DHS Civil Rights Evaluation Tool* within thirty (30) days of receipt of the Notice of Award or, for State Administering Agencies, thirty (30) days from receipt of the DHS Civil Rights Evaluation Tool from DHS or its awarding component agency. Recipients are required to provide this information once every two (2) years, not every time an award is made. After the initial submission for the first award under which this term applies, recipients are only required to submit updates every two years, not every time a grant is awarded. Recipients should submit the completed tool, including supporting materials, to [CivilRightsEvaluation@hq.dhs.gov](mailto:CivilRightsEvaluation@hq.dhs.gov). This tool clarifies the civil rights obligations and related reporting requirements contained in the DHS Standard Terms and Conditions. Subrecipients are not required to complete and submit this tool to DHS. The evaluation tool can be found at <https://www.dhs.gov/publication/dhs-civil-rights-evaluation-tool>.

## **Article III - Acknowledgement of Federal Funding from DHS**

Recipients must acknowledge their use of federal funding when issuing statements, press releases, requests for proposal, bid invitations, and other documents describing projects or programs funded in whole or in part with federal funds.

## **Article IV - Activities Conducted Abroad**

Recipients must ensure that project activities carried on outside the United States are coordinated as necessary with appropriate government authorities and that appropriate licenses, permits, or approvals are obtained.

## **Article V - Age Discrimination Act of 1975**

Recipients must comply with the requirements of the *Age Discrimination Act of 1975*, Pub. L. No. 94-135 (1975) (codified as amended at Title 42, U.S. Code, section 6101 *et seq.*), which prohibits discrimination on the basis of age in any program or activity receiving federal financial assistance.

## **Article VI - Americans with Disabilities Act of 1990**

Recipients must comply with the requirements of Titles I, II, and III of the *Americans with Disabilities Act*, Pub. L. No. 101-336 (1990) (codified as amended at 42 U.S.C. sections 12101-12213), which prohibits recipients from discriminating on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities.

## **Article VII - Best Practices for Collection and Use of Personally Identifiable Information (PII)**

Recipients who collect PII are required to have a publicly available privacy policy that describes standards on the usage and maintenance of the PII they collect. DHS defines personally identifiable information (PII) as any information that permits the identity of an individual to be directly or indirectly inferred, including any information that is linked or linkable to that individual. Recipients may also find the DHS Privacy Impact Assessments: Privacy Guidance and Privacy Template as useful resources respectively.

## **Article VIII - Civil Rights Act of 1964 - Title VI**

Recipients must comply with the requirements of Title VI of the *Civil Rights Act of 1964* (codified as amended at 42 U.S.C. section 2000d *et seq.*), which provides that no person in the United States will, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance. DHS implementing regulations for the Act are found at 6 C.F.R. Part 21 and 44 C.F.R. Part 7.

## **Article IX - Civil Rights Act of 1968**

Recipients must comply with Title VIII of the *Civil Rights Act of 1968*, Pub. L. No. 90-284, as amended through Pub. L. 113-4, which prohibits recipients from discriminating in the sale, rental, financing, and advertising of dwellings, or in the provision of services in connection therewith, on the basis of race, color, national origin, religion, disability, familial status, and sex (see 42 U.S.C. section 3601 *et seq.*), as implemented by the U.S. Department of Housing and Urban Development at 24 C.F.R. Part 100. The prohibition on disability discrimination includes the requirement that new multifamily housing with four or more dwelling units- i.e., the public and common use areas and individual apartment units (all units in buildings with elevators and ground-floor units in buildings without elevators)- be designed and constructed with certain accessible features. (See 24 C.F.R. Part 100, Subpart D.)

## **Article X - Copyright**

Recipients must affix the applicable copyright notices of 17 U.S.C. sections 401 or 402 and an acknowledgement of U.S. Government sponsorship (including the award number) to any work first produced under federal financial assistance awards.

## **Article XI - Debarment and Suspension**

Recipients are subject to the non-procurement debarment and suspension regulations implementing Executive Orders (E.O.) 12549 and 12689, which are at 2 C.F.R. Part 180 as adopted by DHS at 2 C.F.R. Part 3000. These regulations restrict federal financial assistance awards, subawards, and contracts with certain parties that are debarred, suspended, or otherwise excluded from or ineligible for participation in federal assistance programs or activities.

## **Article XII - Drug-Free Workplace Regulations**

Recipients must comply with drug-free workplace requirements in Subpart B (or Subpart C, if the recipient is an individual) of 2 C.F.R. Part 3001, which adopts the Government-wide implementation (2 C.F.R. Part 182) of sec. 5152-5158 of the *Drug-Free Workplace Act of 1988* (41 U.S.C. sections 8101-8106).

## **Article XIII - Duplication of Benefits**

Any cost allocable to a particular federal financial assistance award provided for in 2 C.F.R. Part 200, Subpart E may not be charged to other federal financial assistance awards to overcome fund deficiencies; to avoid restrictions imposed by

federal statutes, regulations, or federal financial assistance award terms and conditions; or for other reasons. However, these prohibitions would not preclude recipients from shifting costs that are allowable under two or more awards in accordance with existing federal statutes, regulations, or the federal financial assistance award terms and conditions.

#### **Article XIV - Education Amendments of 1972 (Equal Opportunity in Education Act) - Title IX**

Recipients must comply with the requirements of Title IX of the *Education Amendments of 1972*, Pub. L. No. 92-318 (1972) (codified as amended at 20 U.S.C. section 1681 *et seq.*), which provide that no person in the United States will, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving federal financial assistance. DHS implementing regulations are codified at 6 C.F.R. Part 17 and 44 C.F.R. Part 19

#### **Article XV - Energy Policy and Conservation Act**

Recipients must comply with the requirements of the *Energy Policy and Conservation Act*, Pub. L. No. 94- 163 (1975) (codified as amended at 42 U.S.C. section 6201 *et seq.*), which contain policies relating to energy efficiency that are defined in the state energy conservation plan issued in compliance with this Act.

#### **Article XVI - False Claims Act and Program Fraud Civil Remedies**

Recipients must comply with the requirements of the *False Claims Act*, 31 U.S.C. sections 3729-3733, which prohibits the submission of false or fraudulent claims for payment to the federal government. (See 31 U.S.C. sections 3801-3812, which details the administrative remedies for false claims and statements made.)

#### **Article XVII - Federal Debt Status**

All recipients are required to be non-delinquent in their repayment of any federal debt. Examples of relevant debt include delinquent payroll and other taxes, audit disallowances, and benefit overpayments. (See OMB Circular A-129.)

#### **Article XVIII - Federal Leadership on Reducing Text Messaging while Driving**

Recipients are encouraged to adopt and enforce policies that ban text messaging while driving as described in E.O. 13513, including conducting initiatives described in Section 3(a) of the Order when on official government business or when performing any work for or on behalf of the federal government.

#### **Article XIX - Fly America Act of 1974**

Recipients must comply with Preference for U.S. Flag Air Carriers (air carriers holding certificates under 49 U.S.C. section 41102) for international air transportation of people and property to the extent that such service is available, in accordance with the *International Air Transportation Fair Competitive Practices Act of 1974*, 49 U.S.C. section 40118, and the interpretative guidelines issued by the Comptroller General of the United States in the March 31, 1981, amendment to Comptroller General Decision B-138942.

#### **Article XX - Hotel and Motel Fire Safety Act of 1990**

In accordance with Section 6 of the *Hotel and Motel Fire Safety Act of 1990*, 15 U.S.C. section 2225a, recipients must ensure that all conference, meeting, convention, or training space funded in whole or in part with federal funds complies with the fire prevention and control guidelines of the *Federal Fire Prevention and Control Act of 1974*, codified as amended at 15 U.S.C. section 2225.

#### **Article XXI - Limited English Proficiency (Civil Rights Act of 1964, Title VI)**

Recipients must comply with the *Title VI of the Civil Rights Act of 1964* (42 U.S.C. section 2000d *et seq.*) prohibition against discrimination on the basis of national origin, which requires that recipients of federal financial assistance take reasonable steps to provide meaningful access to persons with limited English proficiency (LEP) to their programs and services. For additional assistance and information regarding language access obligations, please refer to the DHS Recipient Guidance: <https://www.dhs.gov/guidance-published-help-department-supported-organizations-provide-meaningful-access-people-limited> and additional resources on <http://www.lep.gov>.

#### **Article XXII - Lobbying Prohibitions**

Recipients must comply with 31 U.S.C. section 1352, which provides that none of the funds provided under a federal financial assistance award may be expended by the recipient to pay any person to influence, or attempt 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 any federal action related to a federal award or contract, including any extension, continuation, renewal, amendment, or modification.

#### **Article XXIII - National Environmental Policy Act**

Recipients must comply with the requirements of the *National Environmental Policy Act of 1969*, Pub. L. No. 91-190 (1970) (codified as amended at 42 U.S.C. section 4321 *et seq.*) (NEPA) and the Council on Environmental Quality (CEQ) Regulations for Implementing the Procedural Provisions of NEPA, which requires recipients to use all practicable means within their authority, and consistent with other essential considerations of national policy, to create and maintain conditions under which people and nature can exist in productive harmony and fulfill the social, economic, and other needs of present and future generations of Americans.

#### **Article XXIV - Nondiscrimination in Matters Pertaining to Faith-Based Organizations**

It is DHS policy to ensure the equal treatment of faith-based organizations in social service programs administered or supported by DHS or its component agencies, enabling those organizations to participate in providing important social services to beneficiaries. Recipients must comply with the equal treatment policies and requirements contained in 6 C.F.R. Part 19 and other applicable statutes, regulations, and guidance governing the participations of faith-based organizations in individual DHS programs.

#### **Article XXV - Non-Supplanting Requirement**

Recipients receiving federal financial assistance awards made under programs that prohibit supplanting by law must ensure that federal funds do not replace (supplant) funds that have been budgeted for the same purpose through non-federal sources.

#### **Article XXVI - Notice of Funding Opportunity Requirements**

All of the instructions, guidance, limitations, and other conditions set forth in the Notice of Funding Opportunity (NOFO) for this program are incorporated here by reference in the award terms and conditions. All recipients must comply with any such requirements set forth in the program NOFO.

#### **Article XXVII - Patents and Intellectual Property Rights**

Unless otherwise provided by law, recipients are subject to the *Bayh-Dole Act*, 35 U.S.C. section 200 *et seq.* Recipients are subject to the specific requirements governing the development, reporting, and disposition of rights to inventions and patents resulting from federal financial assistance awards located at 37 C.F.R. Part 401 and the standard patent rights clause located at 37 C.F.R. section 401.14.

#### **Article XXVIII - Procurement of Recovered Materials**

States, political subdivisions of states, and their contractors must comply with Section 6002 of the *Solid Waste Disposal Act*, Pub. L. No. 89-272 (1965) (codified as amended by the *Resource Conservation and Recovery Act*, 42 U.S.C. section 6962. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 C.F.R. Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition.

#### **Article XXIX - Rehabilitation Act of 1973**

Recipients must comply with the requirements of Section 504 of the *Rehabilitation Act of 1973*, Pub. L. No. 93-112 (1973) (codified as amended at 29 U.S.C. section 794), which provides that no otherwise qualified handicapped individuals in the United States will, solely by reason of the handicap, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.

#### **Article XXX - Reporting of Matters Related to Recipient Integrity and Performance**

If the total value of any currently active grants, cooperative agreements, and procurement contracts from all Federal awarding agencies exceeds \$10,000,000 for any period of time during the period of performance of this Federal award, then the recipients must comply with the requirements set forth in the government-wide Award Term and Condition for Recipient



Integrity and Performance Matters located at 2 C.F.R. Part 200, Appendix XII, the full text of which is incorporated here by reference in the award terms and conditions.

#### **Article XXXI - Reporting Subawards and Executive Compensation**

Recipients are required to comply with the requirements set forth in the government-wide award term on Reporting Subawards and Executive Compensation located at 2 C.F.R. Part 170, Appendix A, the full text of which is incorporated here by reference in the award terms and conditions.

#### **Article XXXII - SAFECOM**

Recipients receiving federal financial assistance awards made under programs that provide emergency communication equipment and its related activities must comply with the SAFECOM Guidance for Emergency Communication Grants, including provisions on technical standards that ensure and enhance interoperable communications.

#### **Article XXXIII - Terrorist Financing**

Recipients must comply with E.O. 13224 and U.S. laws that prohibit transactions with, and the provisions of resources and support to, individuals and organizations associated with terrorism. Recipients are legally responsible to ensure compliance with the Order and laws.

#### **Article XXXIV - Trafficking Victims Protection Act of 2000**

Recipients must comply with the requirements of the government-wide financial assistance award term which implements Section 106(g) of the *Trafficking Victims Protection Act of 2000* (TVPA), codified as amended at 22 U.S.C. Section 7104. The award term is located at 2 C.F.R. Section 175.15, the full text of which is incorporated here by reference.

#### **Article XXXV - Universal Identifier and System for Award Management**

Recipients are required to comply with the requirements set forth in the government-wide financial assistance award term regarding the System for Award Management and Universal Identifier Requirements located at 2 C.F.R. Part 25, Appendix A, the full text of which is incorporated here by reference.

#### **Article XXXVI - USA Patriot Act of 2001**

Recipients must comply with requirements of Section 817 of the *Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism Act of 2001* (USA PATRIOT Act), which amends 18 U.S.C. sections 175-175c.

#### **Article XXXVII - Use of DHS Seal, Logo and Flags**

Recipients must obtain permission from their DHS FAO prior to using the DHS seal(s), logos, crests or reproductions of flags or likenesses of DHS agency officials, including use of the United States Coast Guard seal, logo, crests or reproductions of flags or likenesses of Coast Guard officials.

#### **Article XXXVIII - Whistleblower Protection Act**

Recipients must comply with the statutory requirements for whistleblower protections (if applicable) at 10 U.S.C section 2409, 41 U.S.C. section 4712, and 10 U.S.C. section 2324, 41 U.S.C. sections 4304 and 4310.

#### **Article XXXIX - Acceptance of Post Award Changes**

In the event FEMA determines that changes are necessary to the award document after an award has been made, including changes to period of performance or terms and conditions, recipients will be notified of the changes in writing. Once notification has been made, any subsequent request for funds will indicate recipient acceptance of the changes to the award. Please call the FEMA/GMD Call Center at (866) 927-5646 or via e-mail to [ASK-GMD@dhs.gov](mailto:ASK-GMD@dhs.gov) if you have any questions.

#### **Article XL - Prior Approval for Modification of Approved Budget**

Before making any change to the DHS/FEMA approved budget for this award, you must request prior written approval from DHS/FEMA where required by 2 C.F.R. Section 200.308. DHS/FEMA is also utilizing its discretion to impose an additional restriction under 2 C.F.R. Section 200.308(e) regarding the transfer of funds among direct cost categories, programs, functions, or activities. Therefore, for awards with an approved budget where the Federal share is greater than the simplified

acquisition threshold (currently \$250,000), you may not transfer funds among direct cost categories, programs, functions, or activities without prior written approval from DHS/FEMA where the cumulative amount of such transfers exceeds or is expected to exceed ten percent (10%) of the total budget DHS/FEMA last approved. You must report any deviations from your DHS/FEMA approved budget in the first Federal Financial Report (SF-425) you submit following any budget deviation, regardless of whether the budget deviation requires prior written approval.

**Article XLI - Disposition of Equipment Acquired Under the Federal Award**

When original or replacement equipment acquired under this award by the recipient or its sub-recipients is no longer needed for the original project or program or for other activities currently or previously supported by DHS/FEMA, you must request instructions from DHS/FEMA to make proper disposition of the equipment pursuant to 2 C.F.R. Section 200.313.

**BUDGET COST CATEGORIES**

Personnel	\$35,000.00
Fringe Benefits	\$15,500.00
Travel	\$2,000.00
Equipment	\$0.00
Supplies	\$0.00
Contractual	\$997,500.00
Construction	\$0.00
Indirect Charges	\$0.00
Other	\$0.00

**Obligating Document for Award/Amendment**

1a. AGREEMENT NO. EMF-2019-CA-00019-S01	2. AMENDMENT NO. ***	3. RECIPIENT NO. V00037943	4. TYPE OF ACTION AWARD	5. CONTROL NO. FX00168N2019T
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6. RECIPIENT NAME AND ADDRESS Pima County Flood Control 97 E. Congress Tucson, AZ, 85701 - 1797	7. ISSUING FEMA OFFICE AND ADDRESS FEMA-GPD 400 C Street, SW, 3rd floor Washington, DC 20472-3645 POC: 866-927-5646	8. PAYMENT OFFICE AND ADDRESS FEMA Finance Center 430 Market Street Winchester, VA 22603
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9. NAME OF RECIPIENT PROJECT OFFICER Terry Hendricks	PHONE NO. 520-724-4632	10. NAME OF FEMA PROJECT COORDINATOR Luis Rodriguez Phone: 202-646-4064 Email: Luis.Rodriguez3@fema.dhs.gov
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11. EFFECTIVE DATE OF THIS ACTION 09/01/2019	12. METHOD OF PAYMENT PARS	13. ASSISTANCE ARRANGEMENT Cost Reimbursement	14. PERFORMANCE PERIOD <b>From:</b> 09/01/2019 <b>To:</b> 07/29/2022 <b>Budget Period</b> 09/01/2019 07/29/2022
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**1 5. DESCRIPTION OF ACTION**

a. (Indicate funding data for awards or financial changes)

PROGRAM NAME ACRONYM	CFDA NO.	ACCOUNTING DATA (ACCS CODE) XXXX-XXX-XXXXXX-XXXXX-XXXX-XXXX-X	PRIOR TOTAL AWARD	AMOUNT AWARDED THIS ACTION + OR (-)	CURRENT TOTAL AWARD	CUMULATIVE NON- FEDERAL COMMITMENT
Cooperating Technical Partners	97.045	2019-FX-GL05-R092- -4101-D	\$0.00	\$1,050,000.00	\$1,050,000.00	See Totals
			\$0.00	\$1,050,000.00	\$1,050,000.00	\$0.00

b. To describe changes other than funding data or financial changes, attach schedule and check here.

N/A

**16 a. FOR NON-DISASTER PROGRAMS: RECIPIENT IS REQUIRED TO SIGN AND RETURN THREE (3) COPIES OF THIS DOCUMENT TO FEMA (See Block 7 for address)**

Cooperating Technical Partners recipients are not required to sign and return copies of this document. However, recipients should print and keep a copy of this document for their records.

**16b. FOR DISASTER PROGRAMS: RECIPIENT IS NOT REQUIRED TO SIGN**

This assistance is subject to terms and conditions attached to this award notice or by incorporated reference in program legislation cited above.

17. RECIPIENT SIGNATORY OFFICIAL (Name and Title)

DATE

18. FEMA SIGNATORY OFFICIAL (Name and Title)

DATE

Fri Sep 06 15:33:38 GMT  
2019

MICHELLE LANE WEAVER , Assistance Officer



**THEREFORE**, each party has caused this Agreement to be executed by its duly authorized representatives on this 1st day of October 2019.

PIMA COUNTY FLOOD CONTROL DISTRICT  
BOARD OF DIRECTORS:

\_\_\_\_\_  
Richard Elías, Chairman

\_\_\_\_\_  
Date

APPROVED AS TO CONTENT:

\_\_\_\_\_  
Clerk of the Board

  
\_\_\_\_\_  
Suzanne Shields, Director  
Pima County Regional Flood Control District

APPROVED AS TO FORM:

  
\_\_\_\_\_  
Deputy County Attorney

**REGINA NASSEN**



# FEMA

## COOPERATING TECHNICAL PARTNERS PARTNERSHIP AGREEMENT

This **AGREEMENT** is made by the Pima County Regional Flood Control District (District), Pima County, Arizona, and the Federal Emergency Management Agency (FEMA).

**BECAUSE** the National Flood Insurance Program (NFIP) established by the National Flood Insurance Act of 1968 has several purposes, the most significant being:

- To better indemnify individuals from losses through the availability of flood insurance;
- To reduce future flood damages through community floodplain management regulations; and
- To reduce costs for disaster assistance and flood control;

**BECAUSE** a critical component of the NFIP is the identification and mapping of the nation's floodplains to create a broad-based awareness of flood hazards and to provide the data necessary for community floodplain management programs and to actuarially rate flood insurance;

**BECAUSE** FEMA administers the NFIP and is authorized by §1360 of the National Flood Insurance Act of 1968, as amended (42 U.S.C. 4101), to establish and update flood-risk zone data in floodplain areas;

**BECAUSE**, in the identification of floodprone areas, FEMA is authorized to consult with, receive information from, and enter into agreements or other arrangements with the head of any State, regional, or local agency;

**BECAUSE** FEMA encourages strong federal, state, regional, and local partnerships for the purposes of reducing flood losses and disaster assistance; FEMA and its state, regional, and local partners have determined that it is advantageous to encourage and formalize greater cooperation in the flood hazard identification and mapping processes; and many communities and the agencies that serve them have developed considerable technical capabilities and resources that provide the opportunity to improve and expand the collection, development, and evaluation of flood hazard data;

**BECAUSE** the District participates in the NFIP, it has been deemed by FEMA to be in good standing in the NFIP; and

**BECAUSE** the District has expressed a desire to perform certain functions in the flood hazard identification process and has provided evidence that it has sufficient technical capability and will dedicate the resources necessary to perform those functions.

**NOW THEREFORE**, it is mutually agreed that the parties enter into this Agreement to work together to create and maintain accurate, up-to-date flood hazard data for the District subject to the terms and conditions recited below.

## **1. CONSULTATIONS**

The parties shall collaborate on flood hazard identification activities and shall consult with each other to fully integrate each other's contributions into flood hazard identification efforts. Questions regarding the execution of this Agreement will be resolved by an Implementation committee consisting of a FEMA representative and the Director of the Pima County Regional Flood Control District.

## **2. EVALUATION AND REPORTING**

The parties shall, on an annual basis, review the partnership created by this Agreement to determine and document the activities undertaken to maintain accurate flood hazard data and to revise the Agreement as necessary.

## **3. RESOURCE COMMITMENT**

The parties agree to commit the appropriate and available human, technical, and financial resources sufficient to coordinate effectively with all entities impacted by flood hazard identification efforts to implement this Agreement.

## **4. STANDARDS**

Unless otherwise agreed to by the parties, all flood hazard identification activities will be accomplished in accordance with the standards documented in *Guidelines and Specifications for Flood Hazard Mapping Partners*, dated April 2003, and all subsequent revisions.

## **5. SPECIFIC INITIATIVES OR PROJECTS**

Specific initiatives or projects to be performed under this Agreement are to be documented in Mapping Activity Statement(s), which will be attached to this Agreement when they are signed. The parties will be obligated to perform as described in the signed Mapping Activity Statement(s).

## **6. TERM**

The respective duties, responsibilities, and commitments of the parties in this Agreement shall remain in effect for a period of five (5) years beginning on the date this Agreement is signed by the parties. This Agreement may be periodically renewed, revised, or terminated at the option of any of the parties. The parties agree that a 60-day notice shall be given prior to the termination of this Agreement.




THEREFORE, each party has caused this Agreement to be executed by its duly authorized representatives on this 3<sup>rd</sup> day of September 2019.

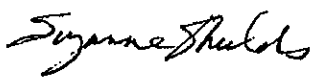
PIMA COUNTY FLOOD CONTROL DISTRICT  
BOARD OF DIRECTORS:

  
Richard Elias, Chairman

SEP 03 2019  
Date

APPROVED AS TO CONTENT:


  
Clerk of the Board

  
Suzanne Shields, Director  
Pima County Regional Flood Control District

APPROVED AS TO FORM:

  
Deputy County Attorney

FEMA Region IX:

  
Juliette Hayes, Director  
Mitigation Division

16 September 2019  
Date

**PIMA COUNTY REGIONAL FLOOD CONTROL DISTRICT  
COOPERATING TECHNICAL PARTNERS (CTP)  
FLOOD RISK PROJECTS**

**BUDGET NARRATIVE  
JUNE 13, 2019**



Pima County Regional Flood Control District  
201 N. Stone Avenue, 9<sup>th</sup> Floor  
Tucson, Arizona 85701-1207

### CTP Flood Risk Projects for Fiscal Years 2020 – 2023

There are three projects associated with this budget narrative:

- Project 1: Brawley and Black Wash Detailed Risk Analysis and Mapping
- Project 2: Southern Santa Cruz River Risk LOMR
- Project 3: Sabino and Bear Creek Detailed Risk Analysis and Mapping

This budget narrative reflects the total cost for these three projects as 100% covered by FEMA with no local cost leverage. The total Federal cost is \$1,050,000.

Table 1 is from the Mapping Activity Statement for these three projects.

**TABLE 1 – CONTRIBUTION AND LEVERAGE**

TASK	PROJECT NO.	FEMA CONTRIBUTION	PARTNER CONTRIBUTION	% PARTNER LEVERAGE (OF TOTAL PROJECT TASK COST	TOTAL PROJECT TASK COST (FEMA + PARTNER)
Project Management	1	\$ 30,000	0	0	\$ 30,000
	2	\$ 12,500	0	0	\$ 12,500
	3	\$ 10,000	0	0	\$ 10,000
	<b>Total</b>	<b>\$ 52,500</b>	<b>0</b>	<b>0</b>	<b>\$ 52,500</b>
Perform Field Survey	1	\$ 18,000	0	0	\$ 18,000
	2	\$ 7,500	0	0	\$ 7,500
	3	\$ 6,000	0	0	\$ 6,000
	<b>Total</b>	<b>\$ 31,500</b>	<b>0</b>	<b>0</b>	<b>\$ 31,500</b>
Develop Topographic Data	1	\$ 18,000	0	0	\$ 18,000
	2	\$ 0	0	0	\$ 0
	3	\$ 16,000	0	0	\$ 16,000
	<b>Total</b>	<b>\$ 34,000</b>	<b>0</b>	<b>0</b>	<b>\$ 34,000</b>
Basemap Preparation	1	\$ 48,000	0	0	\$ 48,000
	2	\$ 20,000	0	0	\$ 20,000
	3	\$ 20,000	0	0	\$ 20,000
	<b>Total</b>	<b>\$ 88,000</b>	<b>0</b>	<b>0</b>	<b>\$ 88,000</b>
Develop Hydrologic and Hydraulic Data	1	\$ 270,000	0	0	\$ 270,000
	2	\$ 70,000	0	0	\$ 70,000
	3	\$ 80,000	0	0	\$ 80,000
	<b>Total</b>	<b>\$ 420,000</b>	<b>0</b>	<b>0</b>	<b>\$ 420,000</b>
Develop Non-Regulatory Products, Flood Risk Report, and Datasets	1	\$ 108,000	0	0	\$ 108,000
	2	\$ 25,000	0	0	\$ 25,000
	3	\$ 36,000	0	0	\$ 36,000
	<b>Total</b>	<b>\$ 169,000</b>	<b>0</b>	<b>0</b>	<b>\$ 169,000</b>
Perform Floodplain Mapping	1	\$ 78,000	0	0	\$ 78,000
	2	\$ 90,000	0	0	\$ 90,000
	3	\$ 16,000	0	0	\$ 16,000
	<b>Total</b>	<b>\$ 184,000</b>	<b>0</b>	<b>0</b>	<b>\$ 184,000</b>

TASK	PROJECT NO.	FEMA CONTRIBUTION	PARTNER CONTRIBUTION	% PARTNER LEVERAGE (OF TOTAL PROJECT TASK COST)	TOTAL PROJECT TASK COST (FEMA + PARTNER)
Develop DFIRM Database	1	\$ 30,000	0	0	\$ 30,000
	2	\$ 25,000	0	0	\$ 25,000
	3	\$ 16,000	0	0	\$ 16,000
	Total	\$ 71,000	0	0	\$ 71,000
Total Funding Amounts	1	\$ 600,000	0	0	\$ 600,000
	2	\$ 250,000	0	0	\$ 250,000
	3	\$ 200,000	0	0	\$ 200,000
	<b>TOTAL</b>	<b>\$1,050,000</b>	<b>0</b>	<b>0</b>	<b>\$1,050,000</b>

Tables 2 a, b, and c represent the anticipated start and completion dates for each task and project. Based on the federal fiscal year (October 1 – September 30). The estimated expenditures are as follows:

**TABLE 2.A – BRAWLEY AND BLACK WASH DETAILED RISK ANALYSIS AND MAPPING PROJECT ACTIVITIES SCHEDULE**

ACTIVITIES	RESPONSIBLE PARTNER(S)	ESTIMATED START DATE	ESTIMATED END DATE
Project Management	Pima County, Unincorporated (040073)	1/1/2020	7/1/2022
Perform Field Surveys	Pima County, Unincorporated (040073)	2/1/2020	8/1/2020
Develop Topographic Data	Pima County, Unincorporated (040073)	2/1/2020	5/1/2020
Basemap Preparation	Pima County, Unincorporated (040073)	4/1/2020	7/1/2021
Develop Hydrologic and Hydrologic Data	Pima County, Unincorporated (040073)	2/1/2020	1/1/2022
Develop Non-Regulatory Products	Pima County, Unincorporated (040073)	2/1/2020	1/1/2022
Perform Floodplain Mapping	Pima County, Unincorporated (040073)	8/1/2021	6/1/2022
Develop FIRM Database	Pima County, Unincorporated (040073)	11/1/2021	3/1/2022



**TABLE 2.B – SOUTHERN SANTA CRUZ RIVER LOMR  
PROJECT ACTIVITIES SCHEDULE**

ACTIVITIES	RESPONSIBLE PARTNER(S)	ESTIMATED START DATE	ESTIMATED END DATE
Project Management	Pima County, Unincorporated (040073)	1/1/2020	1/1/2022
Perform Field Surveys	Pima County, Unincorporated (040073)	2/1/2020	7/1/2020
Develop Topographic Data	Pima County, Unincorporated (040073)	N/A	N/A
Basemap Preparation	Pima County, Unincorporated (040073)	4/1/2020	8/1/2020
Develop Hydrologic and Hydrologic Data	Pima County, Unincorporated (040073)	2/1/2020	11/1/2020
Develop Non-Regulatory Products	Pima County, Unincorporated (040073)	2/1/2020	11/1/2020
Perform Floodplain Mapping	Pima County, Unincorporated (040073)	10/1/2020	6/1/2021
Develop FIRM Database	Pima County, Unincorporated (040073)	10/1/2020	6/1/2021

**TABLE 2.C – SABINO CREEK AND BEAR CANYON WASH  
DETAILED RISK ANALYSIS AND MAPPING PROJECT  
ACTIVITIES SCHEDULE**

ACTIVITIES	RESPONSIBLE PARTNER(S)	ESTIMATED START DATE	ESTIMATED END DATE
Project Management	Pima County, Unincorporated (040073)	1/1/2020	1/1/2022
Perform Field Surveys	Pima County, Unincorporated (040073)	1/1/2022	9/1/2020
Develop Topographic Data	Pima County, Unincorporated (040073)	2/1/2020	5/1/2021
Basemap Preparation	Pima County, Unincorporated (040073)	4/1/2020	6/1/2021
Develop Hydrologic and Hydrologic Data	Pima County, Unincorporated (040073)	2/1/2020	6/1/2021
Develop Non-Regulatory Products	Pima County, Unincorporated (040073)	3/1/2020	6/1/2021
Perform Floodplain Mapping	Pima County, Unincorporated (040073)	2/1/2020	6/1/2021
Develop FIRM Database	Pima County, Unincorporated (040073)	10/1/2020	8/1/2021

Table 3 shows the quarterly budget estimates based on the estimated schedule and costs shown the tables above. The fiscal years are based on the federal fiscal calendar.

**TABLE 3 – COST PER FEDERAL FISCAL QUARTER**

FISCAL QUARTER	ESTIMATED EXPENDITURES BASED ON PROJECT SCHEDULE AND COST ESTIMATES
2 <sup>nd</sup> Quarter, FY 20, January 1-March 31, 2020	\$ 115,300
3 <sup>rd</sup> Quarter, FY 20, April 1-June 30, 2020	\$ 138,000
4 <sup>th</sup> Quarter, FY 20, July 1- September 30, 2020	\$ 140,000
1 <sup>st</sup> Quarter, FY 21, October 1 -December 31, 2020	\$ 170,400
2 <sup>nd</sup> Quarter, FY 21, January 1-March 31, 2021	\$ 145,900
3 <sup>rd</sup> Quarter, FY 21, April 1-June 30, 2021	\$ 154,000
4 <sup>th</sup> Quarter, FY 21, July 1- Sept 30 2021	\$ 70,200
1 <sup>st</sup> Quarter, FY 22, Oct 1 -Dec 31 2021	\$ 55,000
2 <sup>nd</sup> Quarter, FY 22, Jan 1-Mar 31 2022	\$ 55,000
3 <sup>rd</sup> Quarter, FY 22, Apr 1-Jun 30 2022	\$ 3,200
4 <sup>th</sup> Quarter, FY 22, July 1- Sept 30 2022	\$ 3,000