



## **Regional Mitigation Program**

Texas General Land Office  
Community Development & Revitalization

Liberty County  
2022-100138-RMP

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# **Regional Mitigation Program Application**

# General

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## Applicant Information

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Applicant: Liberty County

County: Liberty

Program: Regional Mitigation Program: H-GAC HUD MID

COG: Houston-Galveston Area Council (H-GAC)

Phone Number: (936) 336-4665

Address: 1923 Sam Houston Street, Liberty, Texas 77575

Website: <https://www.co.liberty.tx.us/>

Employer Identification Number (EIN): 746001604

Taxpayer Identification Numbers (TIN): 746001604

UEI (Unique Entity Identifier): HEHNL6WC8X26

Data Universal Numbering System (DUNS): 103849089

SAM.gov Registration Expiration Date: 11/7/2022

Is the applicant an eligible subrecipient applying in conjunction with or on behalf of another entity (non-city) within the county? No

How much funding was the applicant allocated by the approved COG MOD? \$21,274,200.00

Is the applicant participating in the National Flood Insurance Program? Yes

Fiscal Year End Date (Month): September

Fiscal Year End Date (Day): 30

## Application Contacts

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Contact Role	Organization	First Name	Last Name	Title	Phone	Email
Grant Administrator	GrantWorks	Lenore	Hellman	Application Specialist	(512) 734-7818	lenore@grantworks.net
Primary Contact	Liberty County	David	Douglas	County Engineer	(936) 336-4560	david.douglas@co.liberty.tx.us

Contact Role	Organization	First Name	Last Name	Title	Phone	Email
Engineer	LJA Engineering	Dawn	Pilcher	P.E.	(409) 833-3363	dpilcher@lja.com
Authorized Representative	Liberty County	Jay	Knight	County Judge	(936) 336-4665	cojudge@co.liberty.tx.us
Chief Elected Official	Liberty County	Jay	Knight	County Judge	(936) 336-4665	cojudge@co.liberty.tx.us

## SF-424 Questions

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Applicant Type: County

Application Title: Liberty County Drainage Plan

Is the applicant delinquent on any federal debt? Liberty County Drainage Plan

# Activities

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## Activity

DRGR Activity	Planned Budget Amount
Planning	\$21,274,200.00

## Project

Project: Project Title	Project: Project Type	Environment: What is the current status of the project?	Total Budget
Liberty County Master Drainage Plan	Planning	Not yet started	\$21,274,200.00

## Budget Line Summary

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Total Engineering over Total Construction:

Total Admin + Environmental over Total Amount Requested: 0.5%

Allowable Fee Percentage Cap for Admin + Environmental: 8%

Program Budget Code	Planned/Requested Amount
Environmental	\$10,000.00
Grant Administration	\$96,371.00
Planning	\$21,167,829.00
Engineering	\$0.00
Acquisition	\$0.00
Special Environmental	\$0.00
Construction	\$0.00

# Duplication of Benefits

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## FEMA Coverage

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Did you receive any FEMA funding? No

Do you anticipate any FEMA funding? No

Was the proposed project eligible for FEMA? No

Is the budget in this application funding for the nonfederal share of a FEMA project? No

If yes, have funds been awarded?

If FEMA funds were received, explain why funds are needed above and beyond the FEMA funding:

## Insurance Coverage

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Did the applicant have insurance coverage on the proposed project? No

Name of Insurance Company:

Amount claimed/received for the project:

If a claim was not filed, please explain below:

Explain why funds are required above and beyond the insurance funding:

## Other Funding

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Has the applicant submitted a request to fund a part of or the whole project described in the application? No

Are local or other funds available to address the proposed project in whole or in part?

Have any other state and/or federal agencies been contacted concerning funding for the proposed project? No

Disclose source(s) and use(s) of non-CDBG-MIT funds (Each row is a funding source):

# Fair Housing

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What methods and criteria were used to prioritize the projects in the application, including affirmatively furthering fair housing? Liberty County has developed greatly over the past decade, with more residents moving in every day. The County is also bisected by the Trinity River, which leaves much of the county terrain in potential 500 and 100-year flood zones. Because of these two elements, Liberty County has sought a Master Drainage Plan for years, and it is even referenced in their Liberty County Hazard Mitigation Plan (Action Item J5, page 176), along with items that depend on a thorough drainage plan. The County's Hazard Mitigation Plan involved public hearings, kick-off meetings and community engagement to help involve the County's residents. The County has received feedback about housing development from the cities in Liberty County and recognizes the need to present an up-to-date drainage plan to help ensure housing is built in areas that will not experience flooding without the proper precautions. This in particular will assist the affirmatively furthering fair housing plans these cities and county have to increase low-income housing.

What are the identified protected classes, racially and ethnically concentrated areas, and concentrated areas of poverty that may be impacted by this project? From the GIS Viewer Export and the LMI Census map, it is apparent that many of the protected groups and concentrated areas of poverty are often in the cities and where there is fast growth and expansion of housing. These areas with development will be positively impacted by a master drainage plan as it will help developers and local officials create accurate ordinances and development plans to help protect houses and property for those who are low-income or in a protected class. For example, CT 7012.00 BG 2 has a high LMI rate (62.40%), high percent of residents over the age 65 (27.14%) and a sizeable disabled population (17.26%) per the 2019 ACS census data. The project will impact these groups (low-income residents, persons over 65, disabled people) as well as the areas that are racially concentrated, but not easily identified in the census as development in many cities within the county have had major changes in the last few years.

Provide a meaningful analysis that describes how these identified populations may be impacted by this project. The proposed planning project will be very beneficial for years for the residents of Liberty County. This includes the impacted and distressed areas, protected populations and vulnerable populations throughout the County. The County has experienced disastrous flooding from natural disasters and heavy rainfall events for years, including Hurricane Harvey, and any rainfall is compounded by Trinity River and the flooding it sees regularly. The County has seen development along the west side of the county and in existing cities as the greater Houston Area continues to spread. This development has created more concrete and impermeable areas with increased runoff, and despite efforts to develop following drainage mitigation efforts, it has increased water runoff in high-density areas. With the proposed project and the resulting Master Drainage Plan, there would be more accurate information for cities and the County to develop more accurate ordinances, projects that mitigate flooding, and empower protected and vulnerable populations in regards to health and reduction of property damage.

For each fair housing activity, provide a name and status. If the activity is Completed, enter the Date Initiated. If the activity is Planned, enter the To Be Completed By date:



<b>Item</b>	<b>Name</b>	<b>Status</b>	<b>Date Initiated</b>	<b>To be completed by</b>
Fair Housing Activity 1	Establishing a local complain and monitoring process	Planned		7/1/2023
Fair Housing Activity 2	Designating a Fair Housing Month	Planned		7/1/2023
Fair Housing Activity 3	Adopting and Distributing Fair Housing practices	Planned		7/1/2023
Fair Housing Activity 4				

# Procurement

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Have services been procured for Engineering, Grant Administration, or Environmental Services? Yes

Are there any persons/entities with a reportable financial interest to disclose? Yes

Vendor Type	Procurement Status	Vendor Name	Contact Phone	Contact Email
Environmental	Procured	GrantWorks	(512) 734-7818	lenore@grantworks.net
Engineering	Procured	LJA Engineering, Inc	(409) 284-8581	dpilcher@lja.com
Grant Administration	Procured	GrantWorks	(512) 734-7818	lenore@grantworks.net

# Documents

Document Type	File Attachment (Text)
SF-424 (completed and signed)	Placeholder.docx
Signed Applicant Certifications	Placeholder.docx
Current Printout of SAM.gov Registration	TEMPORARYLibertyCounty_Sam.pdf
Professional Services documentation	0.0 - GLO Checklist_GW_Liberty County 2022 CDBG-MIT MOD.pdf
Professional Services documentation	0.1 - GLO Checklist_LJA Engineering_Liberty County 2022 CDBG-MIT MOD.pdf
Financial Interest Reports	LibertyCounty_FIRS.pdf
Supporting census tract/block group or other beneficiary data maps	LibertyCoTX_CDBG-MIT_Project-BeneficiaryLocation_LMI.pdf
Environmental Exempt Form for planning and administrative activities	Placeholder.docx
CDBG-MIT - Budget Justification of Retail Costs form (completed, signed, and sealed by a professional engineer or architect licensed to work in the State of Texas)	Liberty Co_Countywide Drainage Study_project justification letter.pdf
Scope of work information, maps, and other applicable documentation for each Local effort identified	Liberty County_HMP_October2017.pdf
Documentation to support Urgent Need Mitigation national objective	Liberty County_UrgentNeedDocumentation.pdf
Race/Ethnicity/Gender Calculator	LibertyCounty_REG.pdf
LMISD data and/or CDBG-MIT Survey documentation	LibertyCounty_LMISDDocumentation.pdf
Maps indicating latitude and longitude for proposed locations	LibertyCounty_App Map.pdf
Single Audit or Annual Financial Statement	LibertyCounty_2020SingleAudit.pdf
Single Audit or Annual Financial Statement	LibertyCounty_2020AnnualFinancialReport.pdf
DP05 (ACS 5-year estimate)	LibertyCounty DP05 Census Data.pdf
CDBG Mitigation Viewer Export	LibertyCounty_GISViewerExport.pdf

# Liberty County Master Drainage Plan

# Project Info

## Project Information

DRGR Activity: Planning

Project Type: Planning

Project Title: Liberty County Master Drainage Plan

Does this project include replacement or relocation of a facility (i.e., lift station, water treatment plant, etc.)? N/A

Provide a detailed description of the scope of work proposed. For proposed work involving a length of road, ditch, channel, etc., report the scope of the project in linear feet (lf): The proposed planning project is a Master Drainage Plan. This will include the following work: 1) Survey data collection through bathymetric, terrestrial and aerial surveys; mapping jurisdictional boundaries with capacity report and labelling and referencing ditches/outfalls with recorded right-of-ways for the jurisdiction; hydrologic and hydraulic study; plan development with detailed maps, identifying problem areas and recommended priority of projects for future flood mitigation and related activities.

Site: Project Site Title	Site: Street Address
Liberty County Master Drainage Plan	Liberty County Planning Project

Describe a plan for the long-term funding and management of the operations and maintenance of the project: Implementing any recommendations, utilizing monumentation.

Total proposed number of linear feet:

Total number of proposed public facilities: 1

Project Phase	Start Date	End Date	Length (in months)
Contract Closeout	2/1/2025	4/1/2025	2
Submit As-Builts/COCC/FWCR	12/1/2024	2/1/2025	2
Environmental Review	6/1/2023	12/1/2023	6
Engineering Design	6/1/2023	12/1/2024	18
Construction	1/31/2022	1/31/2022	0
Construction NTP	1/31/2022	1/31/2022	0
Contract Award	1/31/2022	1/31/2022	0
Bid Advertisement	1/31/2022	1/31/2022	0
Acquisition	1/31/2022	1/31/2022	0

Project Phase	Start Date	End Date	Length (in months)
Start-Up Documentation	4/1/2023	6/1/2023	2

# National Objective

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## National Objective

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Provide Total Number of Beneficiaries: 71,365

Provide number of LMI Beneficiaries 35,040

Percentage of LMI Beneficiaries: 49.1%

Is that applicant a HUD Exception Grantee? No

Census Tract	Block Group List (Text)
7,014	Group 1 ; Group 2 ; Group 3 ; Group 4 ; Group 5 ; Group 6
7,013	Group 1 ; Group 2 ; Group 3 ; Group 4
7,012	Group 1 ; Group 2 ; Group 3 ; Group 4 ; Group 5
7,011	Group 1 ; Group 2 ; Group 3 ; Group 4
7,010	Group 1 ; Group 2 ; Group 3
7,009	Group 1 ; Group 2 ; Group 3
7,008	Group 1 ; Group 2 ; Group 3 ; Group 4 ; Group 5
7,007	Group 1 ; Group 2
7,004	Group 1 ; Group 2 ; Group 3 ; Group 4
7,003	Group 1 ; Group 2 ; Group 3 ; Group 4 ; Group 5
7,002	Group 1 ; Group 2
7,001	Group 1 ; Group 2 ; Group 3
7,005	Group 1 ; Group 2
7,006	Group 1 ; Group 2 ; Group 3

Male: 35,183

Female: 36,182

Total: 71,365

Race	Hispanic Population	Non-Hispanic Population	Total Population
White and Black/African American	244	146	390
White and Asian	119	71	190
White and American Indian/Alaska Native	152	92	244
White	11,182	43,828	55,010
Some Other Race	6,382	62	6,444
Other multi racial	991	595	1,586
Native Hawaiian/Other Pacific Islander	0	7	7
Black/African American and American Indian/Alaska Native	8	5	13
Black/African American	22	6,745	6,767
Asian	0	331	331
American Indian/Alaska Native	48	335	383

Which HUD national objective does the project meet? UNM

Describe activities that benefit low- and moderate-income people:

Method(s) used to determine the beneficiaries: UNM Area Benefit (County-wide)

What method was used for Beneficiary Identification? Census (HUD LMISD)

Provide a brief description of the beneficiary identification method used to determine this national objective and upload supporting beneficiary maps, census data, and/or survey documents: Please see attached census map and LMISD documentation. The county will benefit from this activity, and therefore qualified to use county-wide data.

U.S. Congressional District #: 36

Texas Representative District #: 18

Texas Senate District #: 3



# Environmental

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What is the current status of the project? Not yet started

Will the assistance requested have any negative impact(s) or effect(s) on the environment? No

Is the proposed project likely to require an archaeological assessment? No

Is the proposed site(s) listed on the National Register of Historic Places? No

Is the project in a designated floodway or coastal high hazard area? No

Is the project in a designated special flood hazard area or a designated wetland? No

For projects in the 500 or 100-year floodplain: Does your project involve a critical action as defined in 24CFR55.2(b)(3)?

Is any project site located in a known critical habitat for endangered species? No

Is any project site a known hazardous site? No

Is any project site located on federal lands or at a federal installation? No

Is any project site subject to or participating in Fixing America's Surface Transportation Act (FAST-41) (P.L. 114-94)? No

What level of environmental review is likely needed for this project? Environmental Assessment

Provide any additional detail or information relevant to Environmental Review: The proposed project has not started, and an environmental review will be done upon funding start.

Provide a brief narrative regarding how CDBG-MIT funding is to be used. Demonstrate that HUD CDBG environmental requirements have been met to date:

# Permits

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Does the project require any federal, state, or other permits, approvals, or waivers to complete the proposed work? No

If yes, describe the type and purpose of each permit and its association with the proposed project. Provide a copy of each permit already executed:

Does the project require any type of ratified, legally binding agreement between the applicant and any other entity to provide continual operation upon completion? No

If yes, describe the type and purpose of each agreement and its association with the proposed project. Provide a copy of each agreement already executed or drafted:

For sewer and/or water facilities projects, does the applicant currently hold the Certificate of Convenience and Necessity (CCN) for the target area proposed in the application? (If not a sewer and/or water facilities project, please choose N/A): N/A

## Budget Activity Lines

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Program Budget Code	Planned/Requested Amount	Planned Other Funds Amount	Total	Percent of Total
Environmental	\$10,000.00	\$0.00	\$10,000.00	0%
Grant Administration	\$96,371.00	\$0.00	\$96,371.00	0.5%
Planning	\$21,167,829.00	\$0.00	\$21,167,829.00	99.5%
Engineering	\$0.00	\$0.00	\$0.00	0%
Acquisition	\$0.00	\$0.00	\$0.00	0%
Special Environmental	\$0.00	\$0.00	\$0.00	0%
Construction	\$0.00	\$0.00	\$0.00	0%

# Mitigation

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Identify the specific risk the proposed project will mitigate against: Riverine Flooding; Storms

Describe as to how the proposed project addresses/mitigates against the current and future risks identified: The proposed project will address and mitigate future river flooding, heavy rain events, and storms through several methods. First, as a Master Drainage Plan, there will be an ample amount of surveying, including topographical surveys, and using methods and technology approved by FEMA to determine flow and potential flood areas. Second, this outcome of the project will help identify high-risk areas, particularly for developing parts of the county, that will help determine regulations and ordinances to mitigate flooding for residents. Third, the outcome of surveying and community engagement will help determine vital projects for the county to implement that will directly mitigate and reduce future flood events.

Provide information about how the proposed mitigation efforts integrate into the community's emergency and resiliency plans: Liberty County is bisected by the Trinity River, which has a large water footprint that easily floods. While the county has established ordinances for commercial and residential development to have zero negative impact on flood management, it has not proven enough to mitigate flood disasters from harming residents, and destroying property. While this project will help mitigation efforts in many ways, the most important way that this will integrate into community emergency and resiliency plans is by how the accumulated survey data will provide an accurate, up-to-date resource to direct all future plans for communities in the County. Similarly, the data it provides will integrate into its emergency plan by providing accurate data for stakeholders to help make pivotal decisions for future plans and emergency response. In other ways, this project has been identified in their 2017 Hazard Mitigation Plan, and the information gathered from this project will inform many decisions that will be made from the County's Emergency Management Coordinator during disasters. It will assist in directing future development and create resilient communities in a location that is prone to flooding. In summary, this will protect vulnerable residents who are often disproportionately impacted by disasters by providing a better picture of the county's potential flooding, action items to improve flooding mitigation, and guide future emergency and resiliency plans.

In the space provided, list documentation provided to support the identification of the threat or hazard and how it relates to potential impact: Liberty County's 2017 Hazard Mitigation Plan identifies this as a need for future flooding mitigation as Item J5. Additionally, P.E. Dawn Pilcher has provided a meaningful analysis of the county's risks and recent development that would be positively impacted by having a master drainage plan.

Provide a brief description of how the proposed project addresses an integrated approach to mitigation: The proposed project addresses a long-term plan to mitigate future flood events and storms. The project will address 1) environmental issues, 2) the adequacy of existing infrastructure, 3) the development of regional and integrated systems and 4) future housing quality. This proposed drainage plan from this application will serve as a foundation for future mitigation projects, developing ordinances for housing and subdivisions, and building an up-to-date plan that will provide guidance on regional development and environmental issues. The Plan's project identification portion will assist in creating an integrated approach to mitigation by improving the adequacy of existing infrastructure and providing an implementation plan for future infrastructure improvements. The County wants to see that the entire county is prepared

for future flood events with increased knowledge and data from this plan, and intends to integrate this within unincorporated county land and as a resource for city jurisdictions within the County.

Considering the local evaluation of hazard risks, responsible floodplain management, future extreme weather/natural disaster events, and long-term risks, describe how the proposed project promotes sustainable community resilience: This proposed project is a paragon for sustainable community resilience by creating a drainage plan that will act as a guide and resource for evaluating risks and improving floodplain management. With the data collected from these surveys and the resulting analysis of drainage and topography throughout the county, there will be an accurate depiction of how flooding truly impacts the county, its residents, and so forth. The County intends to use this information and data to help promote community resilience over the next decades to ensure residential and commercial communities are built to prevent further negative impact, increase erosion control of protected areas, and mitigate future natural disasters.

Describe how the proposed project is consistent with local and regional planning efforts to effect disaster mitigation: The proposed project is consistent with local and regional efforts. On the local level, the drainage plan was agreed upon during the creation of the Hazard Mitigation Plan as a vital element for the County and all jurisdictions included as a method to help future mitigation. Regionally, this will allow Liberty County and its future growth won't have increased impermeable surfaces or negative impact on the drainage without appropriate precautions and measures to create a net-positive drainage impact. This in turn will ensure that regional water runoff and flooding upstream of the Trinity river will not be negatively impacted as well, causing further issues in the region.

Was a cost-benefit analysis used in the selection of the proposed project? No

Describe how the proposed project impacts vulnerable populations in the local community.: Disasters disproportionately impact vulnerable populations, incurring more property damages and associated costs, or risk to their health and well-being. Vulnerable populations include those in poverty, disabled persons, veterans, senior citizens and more. As the County has a high number of disabled persons, senior citizens, and those currently experiencing poverty, it is a priority for the County to ensure that these residents are not impacted further by disasters. Often, these vulnerable populations have more financial stress, use public services, or rely on others to ensure a standard quality of life. This proposed project, and the resulting project identification and guidance on flooding and ordinances for subdivisions will assist in reducing these hardships vulnerable persons see during a disaster. Once the plan has identified vulnerable areas, and locations for improvement, the County will seek to improve the infrastructure.

Describe how the proposed project creates economic opportunities for the local community: The proposed project, as discussed above, will produce a master drainage plan that will lay the groundwork for development and protecting the residents and land of Liberty County from flood events. The County has seen enormous growth of development as well as a steady increase of residents over the past decade. The County's proximity to the greater Houston area has drawn many people, and businesses, and will continue to do so as metropolitan areas and the neighboring cities and towns grow. By establishing and creating this plan, it will ensure that the County is prepared for future commercial development that will not negatively impact people or property. Businesses are continuously seeking property for manufacturing or local shops, and that requires space and the assurance that a disaster will not wipe out their assets. By having these safety precautions that will be presented in the finalized Master Drainage Plan, it will

encourage businesses to move, build and expand into Liberty County. This will create jobs and more economic opportunities.

Does this project disproportionately impact vulnerable populations in the local community? No

Does the proposed project align with investments from other state or local capital improvements and infrastructure development efforts? No

Does the proposed project employ adaptable and reliable technology to guard against premature obsolescence? Yes

Describe the applicant's overall mitigation plan and how the project addressed in this application furthers that plan: The County has addressed the proposed project in the Liberty County Hazard Mitigation Plan, approved in 2017. This plan is the first step in creating even more mitigation options, as it will help update floodplain zones throughout the county, identify critical projects to mitigate flood damage, and help establish ordinances to protect damage to property and harm to residents.

Describe how the proposed project will contribute to the community's resiliency against future disasters as a result of these projects: The proposed project's final product, a Master Drainage Plan, will contribute to the county's resiliency by updating flood maps and accurately portraying drainage patterns and vulnerable areas to help guide the county and cities within the county for infrastructure projects. It will even be able to help guide these jurisdictions to develop residential and commercial areas, ensure that their community is not negatively impacted and increase the county's resiliency to future flood events.

**Liberty County Master Drainage Plan - Liberty  
County Master Drainage Plan**

# Project Site

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## Project Site

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Project Site Title: Liberty County Master Drainage Plan

Street Address: Liberty County Planning Project

Street Limits on Street: County-wide

From Street: Countywide

To Street: Countywide

Zip Code: 77575

City: Liberty

County: Liberty

State: Texas

Latitude:

Longitude:

Performance Measures: Public Facilities

Provide the proposed number of linear feet:

## Acquisition/Uniform Relocation Assistance

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Does the project require acquisition of property, purchase of easements, relocation, or any other activity requiring compliance with URA outside the listed waived activities? No

Has acquisition of the project site(s) been completed, in progress, or will need to be acquired?

Describe the type and purpose of all acquisitions (easements, real property, etc.) associated with the proposed project. For acquisitions "Previously Acquired" or "Acquisition in Progress," include the date of acquisition, detailed information and supporting documentation to ensure compliance with all URA, 42 U.S.C. 4601 et seq., and environmental review processes:

What is the planned number of parcels to be acquired?

What is the associated cost amount for this acquisition?