

Grantee: Shelby County, TN

Grant: B-13-US-47-0002

October 1, 2023 thru December 31, 2023

Grant Number: B-13-US-47-0002	Obligation Date:	Award Date:
Grantee Name: Shelby County, TN	Contract End Date:	Review by HUD: Reviewed and Approved
Grant Award Amount: \$60,445,163.00	Grant Status: Active	QPR Contact: No QPR Contact Found
LOCCS Authorized Amount: \$60,445,163.00	Estimated PI/RL Funds: \$0.00	
Total Budget: \$60,445,163.00		

Disasters:

Declaration Number

No Disasters Found

Narratives

Executive Summary:

Utilizing URN identified in Phase 1 of the NDR Competition and additional refined data compiled during Phase 2 of the NDR Competition, Shelby County will expend a total of \$60,445,163.00 in CDBG-NDR funds in Phase 3 of the NDR application to implement and develop long-term resilience strategies to fortify the county against future floods by "MAKING ROOM FOR THE RIVER" within Shelby County and the Region. Copies of the NDR application documents can be found at www.resilientshelby.com Also, as described in the NDR Phase 2 application, both Memphis and Shelby County are committed to carrying out Fair Housing activities. Shelby County's Department of Housing, a partner team member in the NDR application, is the County agency operating HUD Community Planning and Development (CPD) entitlement grants and oversees housing programs which directly impact LMI residents which include infrastructure development, housing rehabilitation/construction, down payment assistance, lead-based paint hazard reduction, CDBG Disaster Recovery activities, and fair housing counseling. Likewise, the City of Memphis, a partner in the NDR application operates similar activities through its Division of Housing and Community Development. Both agencies are currently working to promote Fair Housing and Fair Housing Initiatives under their Fair Housing Assessments. Additionally, as part of the GREENPRINT, the Memphis Shelby County Office of Sustainability completed a Fair Housing Equity Assessment (FHEA) in partnership SCDH, HCD, community and business leaders and other housing partners and addressed fair housing impediments under the Greenprint and recommended various solutions to improve fair housing education and compliance. Under the NDR grant, Shelby County will continue to promote and further Fair Housing utilizing the Shelby County Department of Housing, Memphis HCD, and the Greenprint's FHEA to further assess Fair Housing impediments and incorporate Fair Housing initiatives into the NDR Resiliency Plan and the NDR projects in North (Big Creek), Central (Wolf River Greenway), and South (Cypress Creek) Shelby County. Currently, efforts are underway by Memphis and Shelby County to develop a new AFH Plan under new Fair Housing guidelines by 2018 to more effectively carryout Fair Housing initiatives on a joint/countywide basis in order to more efficiently address fair housing issue. The NDR administrative staff will work directly with SCDH, HCD, the Office of Sustainability to insure that Fair Housing is a key component of the NDR Resiliency Plan, long term resiliency efforts, and the long range Greenprint 2040 (which was the base platform for the NDR application in Phase 1 and Phase 2). The NDR team understands that long term resiliency, social, economic, and environmental issues are a part of any long term Fair Housing Initiatives. Through the activities of the NDR grant; and both Memphis and Shelby County's HUD funded grants (CDBG, HOME, Lead Hazard Control, etc.) Shelby County will insure that fair housing is a central part of long term resilience efforts resulting from NDR efforts and projects. NDR activities will focus on three geographical areas (one in each of the local watersheds) and the development of a Regional Resiliency Plan to create a framework for resilience to provide detailed guidance for future rallow Shelby County to focusncreating aresilient community both locally and regionally. All four of the NDR funded actions utilize 4 guiding values to guide each activity. Specifically, these values are: (1) People (Health & Well Being) - protect lives, improve quality of life and promote social cohesion, accomplished through creation of wetlands and other flood storage to protect communities and create green assets; (2) Organization (Economy & Society) - reduce community burden of vacancy and vulnerable housing by removing resid

MID-URN Areas:

After a complete evaluation of Unmet Recovery Needs (URNs) in Phase 1, Shelby County developed a set of four (4) activities designed to protect Shelby County's communities from natural hazards while increasing environmental, economic and social opportunity for all residents of the region, especially vulnerable communities. In Phase 2, the County identified three target areas that were hardest hit by the 2011 disasters: along Big Creek (Northern Shelby County), the Wolf River (Central Shelby County), and South Cypress Creek (Southern Shelby County). Activities within these areas will create additional greenway trails and enhanced recreation areas as well as areas for local food production. A fourth activity will create a Regional Resiliency Plan (which includes a hydraulic study of the of the three main tributaries in the county) over a three-year period to provide a means to tie these and other similar efforts to the GREENPRINT, which was developed with the support of a HUD Sustainable Communities Regional Planning Grant. Each of these activities will lead to replicable



interventions that will be transferrable to other areas throughout the region. Furthermore, the goal of each activity was to ensure that the designs are not only cost effective; but provide the highest resilience value (i.e. social, economic, environmental, etc.) and ensure that the proposed resilience solutions within the activities are both scalable and replicable throughout the region. Activity 1: Big Creek Wetland and Recreation Area. Located in North Shelby County within the City of Millington, this area is home to a high percentage of LMI households as well as the Naval Support Activity Mid-South, a key military asset and employer for the area. This activity spans an area within the City of Millington running along Big Creek between the Naval Support Activity (NSA) on the East, along Paul Barret Parkway and Big Creek, and culminating at Hwy 51 North on the West. The overall service area is composed of the following Census Tracts: 0201.02 Block Group 1 0201.02 Block Group 20202.10 Block Group 1 0202.10 Block Group 2 0202.10 Block Group 30202.10 Block Group 4 0202.21 Block Group 1 0202.21 Block Group 20202.22 Block Group 1 0203.00 Block Group 1 0203.00 Block Group 20203.00 Block Group 3 0204.00 Block Group 1 The 2011 storms caused at least \$5 million in damages and displaced community members within the City of Millington. Using a flood control practice common to the Corps of Engineers, the primary activity will create a new floodplain by lowering an area along the creek to allow flood waters to flow into the floodplain while lowering water surface elevations. Lower water surface elevations will prevent future flooding in adjacent communities. If the floodplain had been constructed prior to the 2011 storms, the majority of flooding in the Millington area would not have occurred preventing more than \$4.5 million in losses. If this activity had been complete prior to the May 2010 floods, \$79 million of property damages would have been prevented. This activity will also create sustainable natural wildlife areas, with native vegetation, wetlands, and other natural features. Other amenities will include development of walking trails, small-scale agriculture, ball fields, lakes, and camping areas to provide increased recreational and entrepreneurial opportunities. While creating the new floodplain will require the removal of trees to improve water conveyance, a tree canopy plan will be implemented to offset tree removal by four-to-one. Shelby County, the City of Millington, and other jurisdictions will work together to set aside approximately 500 acres for tree mitigation. Some of these areas will be utilized to provide an educational experience for school children from LMI areas. Tree mitigation areas will also provide a cooling effect by expanding the tree canopy to counter the increasing heat-island effect. Construction of this activity will increase

Key Agencies, Partners, Positions, Personnel:

The following outlines the partners who will work directly with or provide support to Shelby County in its efforts to carry out NDR projects and activities as well as their roles in the implementation of "Making Room for the River" concepts.

1. Shelby County's role, through the Divisions of Planning and Development and Public Works (and their associated Departments), is as that of the lead on the NDR award. Shelby County will actively administer the NDR grant, oversee activity design and development, and implement the 4 activities funded under the NDR award (Big Creek, Wolf River, South Cypress, and the Regional Resilience Plan). The County will work closely with each identified partner to insure that activities move forward, are fiscally feasible, and that NDR funds are properly utilized and accounted for throughout the grant award which ends September 2022.

Additionally, Shelby County in its role as the lead on Phase 1, Phase 2, and subsequently the NDR award implementation lead is responsible for insuring that the following supporting leverage commitments are met:

- a) Projects integral to the development of the GREENPRINT network involving the development of proposed trail corridors of the GREENPRINT network including the Shelby Farms Greenline and park trails (\$5,822,181);
- b) Fletcher Creek Greenway, Overton Park Cooper Street Trail and Perimeter Trail, Germantown Greenway, Chelsea Avenue Greenline, South Memphis Greenline, Shelby Farms Greenline Bridge, and Arlington Bike/Pedestrian Trail funded through DPD's Memphis Urban Area Metropolitan Planning Organization (\$4,338,696); and
- c) The Shelby County's drainage study for resilient approaches to address impacts from the 2011 qualified disasters and future flooding along Big Creek (\$72,000).

2. City of Memphis, a partner since Phase 1 of the NDRC process, is the largest municipality in Shelby County with a population of nearly 650,000. Two of the NDR activities (Wolf River and South Cypress Creek) are directly located within the Memphis city limits. Under Phase 3, Memphis will play a key role in assisting in the overall design and implementation of the both of these projects. As a partner in the NDR grant, Memphis is providing a total of \$4,100,000 in direct leverage through its Public Works Division and Division of Housing and Community Development (HCD). This leverage can be broken out as follows: \$2,500,000 for the Wolf River Wetland and Restoration and \$1,600,000 for the South Cypress Creek Activity (\$1,500,000 from Public Works and \$100,000 from HCD). The City is also a partner in the Shelby County Resilience Council (SCRC) a multi-disciplinary team appointed by Shelby County Mayor Mark H. Luttrell, Jr. to formalize development and implementation of the Greenprint for Resilience Project. Also, the City of Memphis is filling a developmental role in support of the NDR application and activities by providing \$34,423,302 for construction and completion of the Main-to-Main Multimodal Connector Project managed by the City of Memphis, connecting Memphis to the City of West Memphis, Arkansas, including the Harahan Bridge connection across the Mississippi River; which furthers regional interconnectedness of the Greenprint.

3. GCR Inc. has also been involved in the NDR grant since the Phase 1 application and prior to the Phase 3 award. GCR will continue to provide project management and technical assist period with HUD which terminates in September of 2022. GCR staff members have worked with several state clients to develop, implement, and monitor CDBG-DR programs. GCR possesses extensive expertise in developing systems that track stages of recovery from immediate response, program development and management, public visibility of expenditures, and progress of recovery resources. Their role will be to provide direct grants management technical assistance to Shelby County to insure compliance, public access to information, and effective administration of resources.

4. Another partner, the Community Development Council of Greater Memphis (CD Council) is a coalition of community and housing development organizations, non-profits, and individuals who support the development and redevelopment of vibrant and economically sustainable neighborhoods. Livable Memphis, a program within CD Council, promotes the same priorities with a special focus on growth and development issues - including land use and transportation - and on increasing public participation in planning and development decisions. As a partner under Phase 3, the CD Council (and Livable Memphis) will provide direct community outreach and awareness efforts to assist Shelby County in its efforts to fully engage the community. Its close ties with CDCs, Neighborhoods, and other non-profits will provide Shelby County and the other NDR partners with direct links in the community to enhance input into the Resilience Plan as well as the other three NDR activities approved under Phase 3.

5. Pique PR is a full-service PR agency based in Memphis, Tennessee who has been involved with Shelby County's NDR application from the beginning of Phase 1. Pique will continue its partnership through Phase 3 of the grant and will continue to provide Shelby County with support for public events associated with public outreach, community engagement, and marketing efforts under the NDR award.

6. Kimley-Horn; Barge Waggoner Sumner and Cannon; and Sasaki and Associates are the team of consultants who have been involved in the NDR grant since the Phase 1 application and prior to the Phase 3 award. These partners have combined expertise in architecture, urban design, landscape architecture, civil engineering, environmental reviews, permitting, water resources, and other services to support the proposed resilience project. Furthermore, these partners have specialized experience in stormwater modeling, GIS-based applications, creation and permitting of wetlands at both the state and federal levels, and design and implementation of green infrastructure in Memphis and Shelby County as well as nationwide.

a) Kimley-Horn will continue their partnership with Shelby County to carry out environmental reviews and architectural/engineering designs associated with the Wolf River Wetland Restoration and Greenway activity, which includes the components of Kennedy Park, Rodney Baber Park, and Orchi Road Improvements. All of these activities comprise the activity along the Wolf River Conservancy's Wolf River restoration area in Central Shelby County and the greenway trail system tying these activities together.

b) Barge Waggoner Sumner and Cannon will continue their partnership role in carrying out environmental reviews and architectural/engineering designs associated with the Big CreeWtnRstrtoPoet.Tesdsgsnspwlvveoraogns;iCeeadwilfcuowtadrstrtondvlpet of proposed amenities, and the interconnectedness of public access throughout the development.



c) Sasaki and Associates will continue their partnership role in carrying out environmental reviews and architectural/engineering designs associated with the South Cypress Creek Watershed and Neighborhood Redevelopment. The designs will focus on both wetland restoration designs which strengthen community and social cohesion, repurposing vacant lots to accomplish community and economic development, and increase access to fresh, healthy foods.

7. The Wolf River Conservancy (WRC) has been a key participant and partner during the development of both Phase 1 and Phase 2 of the NDR competition. A non-profit that protects habitats within the Wolf River watershed, spearheads the Wolf River Greenway project along the urban Wolf River, connects people of all ages to the Wolf River through education, and provides outstanding recreational opportunities for the community; WRC has helped to protect 18,000 acres in the Wolf River corridor in order to enhance the entire Wolf River floodplain and protect critical aquifer recharge areas for public drinking water. As a key partner providing \$34 million in leverage under Phase 3 of the NDR award, WRC will continue the same efforts outlined above along (and within) the Wolf River Wetland Restoration and Greenway Activity. WRC's direct role will be developing the portion to the Greenway which will link Kennedy Park, Orchi Street, and Rodney Baber Parks and enhances overall access to parks and amenities within the activity area (and larger parts of Shelby County as the Greenway continues to grow). A key role of WRC in Phase 3 of the NDR award is the provision of \$31,500,000 in direct leverage for the Wolf River Greenway and Restoration Activity.

8. United Housing Incorporated (UHI), as identified in Phase 2, is a local nonprofit organization engaged in homebuyer education, community development, down payment assistance, and housing rehabilitation and construction who will serve as a partner in the South Cypress Creek activity. United Housing, a part of the Neighbor Works America Network, will provide support in developing and retaining housing in South Cypress Creek in order to stabilize and improve the housing stock of the area and assist in relocating residents from flood prone housing into new and/or rehabilitated housing in the neighborhood. This newly created housing will, to the greatest extent possible, incorporate energy efficiency, renewable energy, and low impact development into the designs. In this role, UHI will work closely with Shelby County and Habitat for Humanity of Greater Memphis to carryout activities to stabilize and enhance the living environment within the South Cypress Creek community to create stronger and healthier neighborhood.

9. Similar to UHI, Habitat for Humanity of Greater Memphis (HFHGM) is a nonprofit housing ministry dedicated to eliminating substandard housing from the city of Memphis and surrounding areas, while making decent housing for all people a matter of conscience and action. Identified as a partner in Phase 2 of the NDR competition, HFHGM will play a role in the implementation of Phase 3 by providing one or more of the following: homebuyer education, counseling, housing repairs, and/or new construction. In this role, HFHGM will work closely with Shelby County and UHI to carry out activities to stabilize and enhance the living environment within the South Cypress Creek community to create a stronger and healthier neighborhood.

10. A resource to Shelby County since Phase 1, and a partner in the development of Phase 2, the University of Memphis Center for Applied Earth Science and Engineering Research (CAESER) will continue its role in assisting Shelby County in its resilience efforts through the Hydraulic study portion of the Resilience Plan. CAESAR will continue to provide assistance to Shelby County through its applied research, education, and leadership in sustaining community ground water resources, analysis and creation of GIS databases, and tools designed to anticipate and provide solutions to reduce the effect of risk when a flooding occurs.

11. Chickasaw Basin Authority (CBA), also a partner in Phase 3, was created as a State of Tennessee Agency as the Regional Development Authority for the Chickasaw Basin in Tennessee. The CBA develops flood control projects in the Loosahatchie and Wolf Rivers and Nonconnah Creek watersheds. The CBA is authorized by the State of Tennessee by TCA 64-1-201. Its role under Phase 3 will be to assist Shelby County and other partners in securing support and approval for wetland restoration activities under the Big Creek Wetland and Restoration Activity; an area within Shelby County where the CBA has been very active in developing flood control methodology and projects.

12. The University of Tennessee Agricultural Extension, a partner in Phase 3; provides a gateway to the University of Tennessee as the outreach unit of the Institute of Agriculture. UT Extension delivers educational programs and research-based information to citizens throughout the state. Additionally, in cooperation with Tennessee State University, UT Extension works with farmers, families, youth and communities to improve lives by addressing problems and issues at the local, state and national levels. As a partner to Shelby County in implementing the NDR award, UT Extension's role will be to serve as a resource in the development of community programs (especially in Big Creek and South Cypress Creek) which will educate the community about food and gardening and the creation of community gardens as alternative food sources within the community.

13. Memphis Center for Food and Faith (MCFF) and Grow Memphis (which recently merged to become Memphis Tilth) are local nonprofit organizations identified in Phase 2 who will work with Shelby County during Phase 3 implementation to engage in urban agriculture and community gardening activities designed to bring fresh and healthy food alternatives to citizens residing in the Big Creek and South Cypress Creek communities. As partners, they will work to establish community gardens and healthy food options for these areas to enhance greater access to fresh food.

14. The Hyde Family Foundations (a local philanthropy) and the Greater Memphis Chamber gifted \$157,000 and \$57,000 respectively to support a coordinator position to transition the GREENPRINT from plan to implementation. Their roles in the NDR through support of this position provide additional support for the Regional Resilience Plan funded under the NDR award.

Overall	This Report Period	To Date
Total Projected Budget from All Sources	\$1,016,169.31	\$62,427,039.31
Total Budget	\$0.00	\$60,445,163.00
Total Obligated	\$0.00	\$60,445,163.00
Total Funds Drawdown	\$924,239.46	\$26,957,513.13
Program Funds Drawdown	\$924,239.46	\$26,957,513.13
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$4,516,883.25	\$31,481,696.38
HUD Identified Most Impacted and Distressed	\$4,510,291.72	\$20,706,345.66
Other Funds	\$ 1,016,169.31	\$ 1,981,876.31
Match Funds	\$ 0.00	\$ 0.00
Non-Match Funds	\$ 1,016,169.31	\$ 1,981,876.31



Funds Expended

Overall	This Period	To Date
Shelby County Government2	\$ 4,516,883.25	\$ 31,481,696.38

Other Funds:

Overall	This Period	To Date
Non-Matching Funds	\$ 1,016,169.31	\$ 1,981,876.31
City of Memphis Public Works	\$ 1,016,169.31	\$ 1,366,562.62
Shelby County Government	\$ 0.00	\$ 615,313.69

Progress Toward Required Numeric Targets

Requirement	Target	Projected	Actual
Overall Benefit Percentage	50.00%	75.38%	30.16%
Overall Benefit Amount	\$28,223,082.50	\$42,549,809.00	\$17,023,462.79
Minimum Supporting Leverage	\$44,870,179.00	\$44,870,179.00	\$.00
Minimum Direct Leverage	\$35,600,000.00	\$36,850,000.00	\$1,331,746.32
Limit on Public Services	\$9,066,774.45	\$.00	\$.00
Limit on Admin/Planning	\$12,089,032.60	\$3,998,998.00	\$3,724,351.71
Limit on Admin	\$.00	\$2,071,978.20	\$1,797,331.91
Most Impacted and Distressed	\$60,445,163.00	\$.00	\$20,706,345.66

Overall Progress Narrative:

For 2-NDR-06, South Cypress Creek project, the vendor continued to make progress on the H&H model, CLOMR process, monitoring and data collection, and the LOMR Process. Final payment for design and bid documents were delivered in third quarter 2023. The project has been bid out and awarded to Precise Concrete. The resolution process to accept the bid and contract should occur 1Q 2024 followed by a Notice to Proceed early 2Q 2024. For Rodney Baber and Kennedy Parks, the following activity numbers 3-NDR-02, 3-NDR-03, and 3-NDR-04 were all combined for purposes of bidding and construction. 3-NDR-02 and 3-NDR-04 federal funding has been exhausted. Direct leverage sources are now engaged for funding. The activity numbers are currently under construction. At the end of the quarter most all the infrastructure has been constructed including the large playground, large farmers market awning, and restroom facilities. The final layer of asphalt, tree plantings, irrigation, and sod is on hold until better weather for installation in second quarter of 2024. Grant team expects the project to be complete by early summer 2024. All supporting documentation has been uploaded to 3-NDR-03. 3-NDR-07 includes the purchase of the Woodstock Bayou, LLC right-of-way occurred during 4th quarter 2023. More commonly referred to as Wolf River Greenway Phase 7 - Tract 2. This is the final purchase necessary for the construction of the Phase 7 Wolf River Greenway. 4-NDR-01 represents the real estate portion of the 4-NDR project, Big Creek. Chicago Title continues to provide closing services for the 4-NDR. Nine tracts were purchased over the final quarter of 2023. One possible remaining tract exists on the west entrance to Jones-Boyd Road, but purchase has been halted until the final design of Big Creek, Area 2, Phase B design has been finalized. 4-NDR-02 Phase 1B is complete as of as of 3Q 2023. Project managers oversaw the punch-list for Phase 1B during 4Q 2023. Closeout documents remain to be submitted to grant staff for review. Phase 1C design alterations are complete, and the project is ready to be bid. Staff anticipates advertisement for Phase 1C in 1Q 2024. The grant team was unable to secure additional funding to offset continued inflation and construction cost increases. As a result, grant management staff will request a reduction in metrics and a reduction of scope for Phase 3B. Phase 1D construction continued through 4Q 2023. Phase1E is under construction; however, site and construction challenges continue to arise that require continued design alterations. Phase 2A construction continues with earthwork and pump installation. Phase 2B is under redesign to allow the use of the existing Jones-Boyd right-of-way as a multi-use path to save funds for other phases. Phase 3A bid was awarded to Precise Concrete and approved by the Shelby County Commission during 4Q 2023. The grant team anticipates awarding the project and executing a contract within 1Q 2024. Despite efforts of the grant team to move Phase 3A along quickly, the project requires access permitting to the Naval Support Activity Mid-South. The access request was initiated in 4th quarter 2022. The Navy's liaison has reported the process is underway and all is well. However, the grant team did not anticipate such a long approval process. EnSafe has continued to provide construction, engineering, and inspection services for all phases of Big Creek. EnSafe provides monthly inspection reports and hosts monthly construction meetings. Barge Design continues to provide engineering technical assistance and design services for all phases. Big Creek Phase 1C bid packages are ready for advertisement. Phase 2B continues to undergo redesign based on feedback received from TDOT ROW Division. The CE&I teams are overseeing the closeout and punch-list for Big Creek Phase A, B, and D. Administratively The City of Memphis and Shelby County, Office of Sustainability and Resilience (OSR) staff continues to support project managers with grant implementation and monitoring. OSR staff hosts weekly meetings with all project personnel to review and manage grant activities. OSR staff provides financial oversight and management of grant documentation.

Project Summary

Project #, Project Title	This Report	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown
1 - NDR, Regional Resilience Plan - NDR	\$0.00	\$1,927,019.80	\$1,927,019.80
2 - NDR, South Cypress Creek Watershed & Neighborhood	\$0.00	\$8,988,097.00	\$2,333,017.42
3 - NDR, Wolf River Wetland & Restoration Greenway -	\$176,459.54	\$18,260,842.00	\$10,039,320.82



4 - NDR, Big Creek Wetland & Recreation Area - NDR	\$687,736.80	\$29,197,226.00	\$10,860,823.18
5 - NDR, Administration - NDR	\$60,043.12	\$2,071,978.20	\$1,797,331.91
6 - LTC, Long Term Commitments - LTC	\$0.00	\$0.00	\$0.00
7 - SL, Supporting Leverage - SL	\$0.00	\$0.00	\$0.00
8 - OV, Outcome Values - OV	\$0.00	\$0.00	\$0.00
9999, Restricted Balance	\$0.00	\$0.00	\$0.00

Activities

Project # / 2 - NDR / South Cypress Creek Watershed & Neighborhood



Grantee Activity Number: 2 - NDR - 06

Activity Title: Engineering and Testing

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

2 - NDR

Projected Start Date:

03/30/2017

Benefit Type:

Area (Census)

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

09/30/2023

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2023	To Date
Total Projected Budget from All Sources	\$0.00	\$1,764,683.00
Total Budget	\$0.00	\$1,764,683.00
Total Obligated	\$0.00	\$1,764,683.00
Total Funds Drawdown	\$0.00	\$1,682,631.50
Program Funds Drawdown	\$0.00	\$1,682,631.50
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$36,665.12	\$1,719,296.62
Shelby County Government2	\$36,665.12	\$1,719,296.62
Most Impacted and Distressed Expended	\$36,665.12	\$36,665.12

Activity Description:

Development of environmental review, architectural and engineering designs and costs associated with overall design and implementation.

Location Description:

Funds will be used to design the Cypress Creek Prject within the City of Memphis in Southwest Memphis, Tennessee. 35.059753, -90.091317

Activity Progress Narrative:

The vendor continued to make progress on the H&H model, CLOMR process, monitoring and data collection, and the LOMR Process. Final payment for design and bid documents were delivered in third quarter 2023. The project has been bid out and awarded to Precise Concrete. The resolution process to accept the bid and contract should occur 1Q 2024 followed by a Notice to Proceed early 2Q 2024.

Accomplishments Performance Measures

**This Report Period
Total**

**Cumulative Actual Total / Expected
Total**



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

No Other Funding Sources Found

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Activity Supporting Documents: None

Project # / 3 - NDR / Wolf River Wetland & Restoration Greenway - NDR



Grantee Activity Number: 3 - NDR -02

Activity Title: Rodney Baber Park - Infrastructure & Construction

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

03/31/2019

Benefit Type:

Area (Census)

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

09/30/2023

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2023	To Date
Total Projected Budget from All Sources	\$0.00	\$1,801,045.00
Total Budget	\$0.00	\$1,801,045.00
Total Obligated	\$0.00	\$1,801,045.00
Total Funds Drawdown	\$0.00	\$1,801,045.00
Program Funds Drawdown	\$0.00	\$1,801,045.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$1,801,045.00
Shelby County Government2	\$0.00	\$1,801,045.00
Most Impacted and Distressed Expended	\$0.00	\$1,801,045.00

Activity Description:

Reconstruction of Rodney Baber Park to create a more resilient park that links the Wolf River greenway, Kennedy Park and the Orchi Road activities.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West
35.196180, -89.987756

Activity Progress Narrative:

The following activity numbers 3-NDR-02, 3-NDR-03, and 3-NDR-04 were all combined for purposes of bidding and construction. 3-NDR-02 and 3-NDR-04 federal funding has been exhausted. Direct leverage sources are now engaged for funding. The activity numbers are currently under construction. At the end of the quarter most all of the infrastructure has been constructed including the large playground, large farmers market awning, and restroom facilities. The final layer of asphalt, tree plantings, irrigation, and sod is on hold until better weather for installation in second quarter of 2024. Grant team expects the project to be complete by early summer 2024. All supporting documentation has been uploaded to 3-NDR-03.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of buildings (non-residential)	1	2/2
# of Linear feet of green public	1500	2000/2500
# of public facilities	0	1/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

	Amount
City of Memphis Public Works	\$1,500,000.00
Total Other Funding Sources	\$0.00

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Activity Supporting Documents: None



Grantee Activity Number: 3 - NDR -03

Activity Title: Kennedy Park - Infrastructure & Construction

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2019

Benefit Type:

Area (Census)

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

09/30/2023

Completed Activity Actual End Date:**Responsible Organization:**

Shelby County Government2

Overall**Total Projected Budget from All Sources****Oct 1 thru Dec 31, 2023 To Date**

\$0.00 \$436,586.00

Total Budget

\$0.00 \$436,586.00

Total Obligated

\$0.00 \$436,586.00

Total Funds Drawdown

\$174,264.54 \$370,890.74

Program Funds Drawdown

\$174,264.54 \$370,890.74

Program Income Drawdown

\$0.00 \$0.00

Program Income Received

\$0.00 \$0.00

Total Funds Expended

\$32,783.67 \$403,674.41

Shelby County Government2

\$32,783.67 \$403,674.41

Most Impacted and Distressed Expended

\$32,783.67 \$403,674.41

Activity Description:

Reconstruction of Kennedy Park to create a more resilient park that links the Wolf River greenway, Rodney Baber Park and the Orchi Road activities

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West
35.198212, -89.910189

Activity Progress Narrative:

The following activity numbers 3-NDR-02, 3-NDR-03, and 3-NDR-04 were all combined for purposes of bidding and construction. 3-NDR-02 and 3-NDR-04 federal funding has been exhausted. Direct leverage sources are now engaged for funding. The activity numbers are currently under construction. At the end of the quarter most all of the infrastructure has been constructed including the large playground, large farmers market awning, and restroom facilities. The final layer of asphalt, tree plantings, irrigation, and sod is on hold until better weather for installation in second quarter of 2024. Grant team expects the project to be complete by early summer 2024.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of green public	0	500/1000
# of public facilities	0	1/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

No Other Funding Sources Found

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Activity Supporting Documents: None

Grantee Activity Number: 3 - NDR -05

Activity Title: Engineering and Testing

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2017

Benefit Type:

Area (Census)

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

09/30/2023

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall

Total Projected Budget from All Sources

Oct 1 thru Dec 31, 2023 To Date

\$0.00 \$1,941,677.00

Total Budget

\$0.00 \$1,941,677.00

Total Obligated

\$0.00 \$1,941,677.00

Total Funds Drawdown

\$2,195.00 \$1,700,143.61

Program Funds Drawdown

\$2,195.00 \$1,700,143.61

Program Income Drawdown

\$0.00 \$0.00

Program Income Received

\$0.00 \$0.00

Total Funds Expended

\$0.00 \$1,700,143.61

Shelby County Government2

\$0.00 \$1,700,143.61

Most Impacted and Distressed Expended

\$0.00 \$1,700,143.61

Activity Description:

Development of environmental review, architectural and engineering design and costs associated with overall design and implementation of the Wolf River Wetland and Restoration Greenway project.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West
35.196180, -89.987756, 35.198212, -89.910189, from 35.196180, -89.987756 to 35.198212, -89.910189 and 35.177991, -89.937286

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of green public	0	500/1000



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

City of Memphis Public Works

Amount

\$250,000.00

Total Other Funding Sources

\$0.00

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Activity Supporting Documents: None



Grantee Activity Number: 3 - NDR -07

Activity Title: Wolf River Greenway - Infrastructure & Constructio

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

09/01/2017

Benefit Type:

Area (Census)

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

09/30/2023

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2023	To Date
Total Projected Budget from All Sources	\$0.00	\$9,000,000.00
Total Budget	\$0.00	\$9,000,000.00
Total Obligated	\$0.00	\$9,000,000.00
Total Funds Drawdown	\$0.00	\$2,237,256.47
Program Funds Drawdown	\$0.00	\$2,237,256.47
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$1,073.53	\$2,238,330.00
Shelby County Government2	\$1,073.53	\$2,238,330.00
Most Impacted and Distressed Expended	\$0.00	\$0.00

Activity Description:

Construction of the Wolf River Greenway Trail system in conjunction with this project and as outlined in the Regional Greenprint.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West
35.196180, -89.987756 to 35.198212, -89.910189

Activity Progress Narrative:

The purchas eof the Woodstock Bayou, LLC right-of-way occurred during 4th quarter 2023. More commonly referred to as Wolf River Greenway Phase 7 - Tract 2. This is the final purchase necessary for the construction of the Phase 7 Wolf River Greenway.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of green public	0	9062/18000



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

Wolf River Conservancy

Amount

\$31,500,000.00

Total Other Funding Sources

\$0.00

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Activity Supporting Documents:

None

Project # / 4 - NDR / Big Creek Wetland & Recreation Area - NDR

Grantee Activity Number: 4 - NDR - 01

Activity Title: Land Aquisition

Activity Type:

Acquisition - general

Project Number:

4 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area (Census)

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2023	To Date
Total Projected Budget from All Sources	\$0.00	\$640,000.00
Total Budget	\$0.00	\$640,000.00
Total Obligated	\$0.00	\$640,000.00
Total Funds Drawdown	\$0.00	\$334,180.50
Program Funds Drawdown	\$0.00	\$334,180.50
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$5,518.00	\$339,698.50
Shelby County Government2	\$5,518.00	\$339,698.50
Most Impacted and Distressed Expended	\$0.00	\$0.00

Activity Description:

Voluntary acquisition of property which will be permanently returned to floodway/wetland as part of the overall resilience project.

Location Description:

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West
 Located around 35.198212, -89.910189

Activity Progress Narrative:

Chicago Title continues to provide closing services for the 4-NDR. Nine tracts were purchased over the final quarter of 2023.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Parcels acquired	9	20/15
Total acquisition compensation	5518	567599/64000



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

Shelby County Government

Amount

\$1,000,000.00

Total Other Funding Sources

\$0.00

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Activity Supporting Documents:

None



Grantee Activity Number: 4 - NDR - 02

Activity Title: Overbank Excavation

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

4 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area (Census)

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

09/30/2023

Completed Activity Actual End Date:**Responsible Organization:**

Shelby County Government2

Overall**Total Projected Budget from All Sources****Oct 1 thru Dec 31, 2023 To Date**

\$0.00

\$17,191,198.00

Total Budget

\$0.00

\$17,191,198.00

Total Obligated

\$0.00

\$17,191,198.00

Total Funds Drawdown

\$620,537.00

\$6,959,154.08

Program Funds Drawdown

\$620,537.00

\$6,959,154.08

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$4,222,944.77

\$11,182,098.85

Shelby County Government2

\$4,222,944.77

\$11,182,098.85

Most Impacted and Distressed Expended

\$4,222,944.77

\$11,182,098.85

Activity Description:

Construction of the Big Creek Wetland & Recreation Area Designing and constructing flood mitigation and water quality projects such as ponds, retention basins, terraces, community gardens and park amenities. This is excavation to provide floodway for protection of the area North of Big Creek.

Location Description:

Northern portion of Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West
35.198212, -89.910189

Activity Progress Narrative:

Phase 1B is complete as of as of 3Q 2023. Project managers oversaw the punch-list for Phase 1B during 4Q 2023. Closeout documents remain to be submitted to grant staff for review. Phase 1C design alterations are complete, and the project is ready to be bid. Staff anticipates advertisement for Phase 1C in 1Q 2024. The grant team was unable to secure additional funding to offset continued inflation and construction cost increases. As a result, grant management staff will request a reduction in metrics and a reduction of scope for Phase 3B. Phase 1D construction continued through 4Q 2023. Phase 1E is under construction; however, site and construction challenges continue to arise that require continued design alterations. Phase 2A construction continues with earthwork and pump installation. Phase 2B is under redesign to allow the use of the existing Jones-Boyd right-of-way as a multi-use path to save funds for other phases. Phase 3A bid was awarded to Precise Concrete and approved by the Shelby County Commission during 4Q 2023. The grant team anticipates awarding the project and executing a contract within 1Q 2024. Despite efforts of the grant team to move Phase 3A along quickly, the



project requires access permitting to the Naval Support Activity Mid-South. The access request was initiated in 4th quarter 2022. The Navy's liaison has reported the process is underway and all is well. However, the grant team did not anticipate such a long approval process.

Accomplishments Performance Measures

	This Report Period Total	Cumulative Actual Total / Expected Total
# of Acres wetlands	0	100/500

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

	Amount
Shelby County Government	\$1,000,000.00
Total Other Funding Sources	\$0.00

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Activity Supporting Documents: None



Grantee Activity Number: 4 - NDR - 06

Activity Title: Engineering for Floodway design and landscape arch

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

4 - NDR

Projected Start Date:

12/31/2016

Benefit Type:

Area (Census)

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

09/30/2023

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2023	To Date
Total Projected Budget from All Sources	\$0.00	\$4,051,204.00
Total Budget	\$0.00	\$4,051,204.00
Total Obligated	\$0.00	\$4,051,204.00
Total Funds Drawdown	\$67,199.80	\$3,567,488.60
Program Funds Drawdown	\$67,199.80	\$3,567,488.60
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$146,819.63	\$3,714,308.23
Shelby County Government2	\$146,819.63	\$3,714,308.23
Most Impacted and Distressed Expended	\$146,819.63	\$3,714,308.23

Activity Description:

Architect/Engineering and testing for design of the overbank excavation, flood mitigation and recreational facilities.

Location Description:

Northern portion of Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West.

35.198212, -89.910189

Activity Progress Narrative:

EnSafe has continued to provide construction, engineering, and inspection services for all phases of Big Creek. EnSafe provides monthly inspection reports and hosts monthly construction meetings. Barge Design continues to provide engineering technical assistance and design services for all phases. Big Creek Phase 1C bid packages are ready for advertisement. Phase 2B continues to undergo redesign based on feedback received from TDOT ROW Division. The CE&I teams are overseeing the closeout and punch-list for Big Creek Phase A, B, and D.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Acres wetlands	0	100/500
# of buildings (non-residential)	0	0/1
# of Linear miles of Public	0	0/4
# of public facilities	0	0/3

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

No Other Funding Sources Found

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Activity Supporting Documents: None

Project # / 5 - NDR / Administration - NDR

Grantee Activity Number: 5 - NDR - 01

Activity Title: Program Administration

Activity Type:

Administration

Project Number:

5 - NDR

Projected Start Date:

02/28/2017

Benefit Type:

N/A

National Objective:

NA

Activity Status:

Under Way

Project Title:

Administration - NDR

Projected End Date:

09/30/2023

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall

Total Projected Budget from All Sources

Oct 1 thru Dec 31, 2023 To Date

\$0.00 \$2,071,978.20

Total Budget

\$0.00 \$2,071,978.20

Total Obligated

\$0.00 \$2,071,978.20

Total Funds Drawdown

\$60,043.12 \$1,797,331.91

Program Funds Drawdown

\$60,043.12 \$1,797,331.91

Program Income Drawdown

\$0.00 \$0.00

Program Income Received

\$0.00 \$0.00

Total Funds Expended

\$71,078.53 \$1,868,410.44

Shelby County Government2

\$71,078.53 \$1,868,410.44

Most Impacted and Distressed Expended

\$71,078.53 \$1,868,410.44

Activity Description:

Grant Administration by Shelby County, Tennessee staff and consultants.

Location Description:

Shelby County Division of Planning and Development

Activity Progress Narrative:

The City of Memphis and Shelby County, Office of Sustainability and Resilience (OSR) staff continues to support project managers with grant implementation and monitoring. OSR staff hosts weekly meetings with all project personnel to review and manage grant activities. OSR staff provides financial oversight and management of grant documentation.

Accomplishments Performance Measures

No Accomplishments Performance Measures



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

No Other Funding Sources Found

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Activity Supporting Documents: None

