

Grantee: Shelby County, TN

Grant: B-13-US-47-0002

April 1, 2019 thru June 30, 2019 Performance Report

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: Kathryn Sjostrom
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 focuscreating ar

Executive Summary:

esilient 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 Resilience 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

MID-URN Areas:

ce, 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 incre

Key Agencies, Partners, Positions, Personnel:

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.

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 assistance

Key Agencies, Partners, Positions, Personnel:

at period with HUD which terminates in September of 2022. GCR staff members have worked with several state clients to develop, implement, and monitor CDBGDR 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 Cree Wetland Restoration and Greenway Activity.

Key Agencies, Partners, Positions, Personnel:

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 carry out 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

Overall	This Report Period	To Date
Total Projected Budget from All Sources	N/A	\$140,165,341.00
Total Budget	\$0.00	\$60,445,162.00
Total Obligated	\$0.00	\$60,445,162.00
Total Funds Drawdown	\$599,581.97	\$6,301,938.84
Program Funds Drawdown	\$599,581.97	\$6,301,938.84



Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$599,601.97	\$6,301,938.84
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Progress Toward Required Numeric Targets

Requirement	Target	Actual
Overall Benefit Percentage (Projected)		74.85%
Overall Benefit Percentage (Actual)		47.34%
Minimum Non-Federal Match	\$0.00	\$0.00
Limit on Public Services	\$9,066,774.45	\$0.00
Limit on Admin/Planning	\$12,089,032.60	\$2,387,765.71
Limit on Admin	\$0.00	\$576,956.56
Most Impacted and Distressed Threshold (Projected)	\$0.00	\$0.00

Overall Progress Narrative:

During the reporting period between April 1, 2019 to June 30, 2019, Shelby County moved the NDR program forward by continuing to carryout activities under: (1) the Mid-South Regional Resilience Master Plan, (2) Hydraulic Modeling and related deliverables, and (3) the environmental reviews and project designs for the major NDR activities (South Cypress Creek, Wolf River Wetland and Restoration Greenway, and Big Creek Wetland and Recreation Area), as well as the Phase 8 Bridge Fence and Phase 10A of the Wolf River Greenway.

NDR Projects 1-NDR-01 (Hydraulic Modeling), 1-NDR-02 (Master Resilience Plan), 2-NDR-06 (South Cypress Creek Engineering and Testing), 3-NDR-05 (Wolf River Engineering and Testing), 3-NDR-07 (Wolf River Greenway - Infrastructure & Construction), 4-NDR-06 (Big Creek Engineering for Floodway design and landscape architecture) and 5-NDR-01 (Administration) are all underway and/or moving forward.

As of June 30, 2019, Shelby County had drawn down \$599,581.97 in grant funds from DRGR for the reporting period of April through June 30, 2019. When combined with the \$5,702,356.87 drawn during the previous reporting periods, Shelby County had drawn a total of \$6,301,938.84 in DRGR. As of the end of this quarter, all funds drawn from DRGR had been expended by the County.

Other key accomplishments during the quarter included:

1. Hydraulic modeling activity associated with the Master Resilience Plan continued during the quarter with meetings between Hydraulic modeling team members to focus on the modeling efforts associated with the Hydraulic study and impacts on potential future resilience activities. As mentioned in past QPRs, 100% of the Hydraulic model for the Loosahatchie, Wolf and Nonnconnah waterways was complete with only the linkage between the model itself and the Resilience Plan still being addressed. As of the quarter's end, the Hydraulic Model was being worked into the Master Plan as an Appendix to the document.

2. During the month of April 2019, Shelby County reviewed the first draft of the Regional Master Resilience Plan in preparation for Public Meetings on the plan during the month of May. The draft plan was over 525 pages in length and contained seven (7) chapters focusing on key aspects of resilience at the local and regional level (i.e. waterways, watersheds, buildings, land planning, infrastructure, post disaster, and governance). Shelby County staff read and edited the plan and coordinated comments with Sasaki (the plan consultant) and key local Shelby County Resilience Commission members and their staff.

Between May 15 and June 20, 2019, Resilience staff participated in 7 public meetings to introduce the draft plan and present the next steps for community input. The Draft version of the Regional Master Resilience Plan was placed on the ResilientShelby website on June 8, 2019 for public review and comment. The draft Plan will remain up on the site for the public to view through July 7, 2019. At that time a final draft will be developed that takes into consideration any comments submitted on the draft.

3. South Cypress Creek saw the resolution of a difference of opinion as to the designation of wetlands in the project area between the US Corps of Engineers and the Tennessee Department of Environment and Conservation. The resulting determination was that the Corps' wetland designation was accurate within the area. The resolution of the wetland discussion led to the second 8-Step Notification's preparation with the notification scheduled to run in early July 2019.

4. The Wolf River Greenway Engineering activities were in the final stages of development

design. Orchi Road designs were in their final stages of review and the overall budget for the implementation of the project was being reviewed in association with the design and overall project metrics. On June 14, 2019, Shelby County and the engineering and design team's environmental officer met to discuss the NEPA/Environmental Review and cover the next steps in publishing the FONSI and RROF. The environmental review is now being reviewed for any minor changes and it is anticipated that the FONSI will be published in the next quarter.

5. Under the Wolf River Greenway construction activity, the bridge fence component of Phase 8 was bid out for construction with the bid opening taking place on June 11, 2019. Also, Phase 10A construction was placed out for bid on June 18, 2019 with a bid opening date set for July 23, 2019.

6. On April 8, 2019 Shelby County received a letter for the State Historical Preservation Office (SHPO) finding that "no archaeological resources eligible for listing on the National Register of Historic Places would be affected by the Big Creek Project". The State did request two minor edits to the assessment which were made to the document as requested. The final assessment was submitted to the SHPO on May 13, 2019.

7. Office of Resilience staff assisted with and attended the annual Fair Housing Conference April 11, 2019 at the National Civil Rights Museum.

More fully detailed actions and accomplishments for each specific NDR activity is provided under each activity narrative within this QPR.

Project Summary

Project #, Project Title	This Report	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown
1 - NDR, Regional Resilience Plan - NDR	\$67,452.31	\$2,100,000.00	\$1,810,809.15
2 - NDR, South Cypress Creek Watershed & Neighborhood	\$38,423.95	\$8,988,097.00	\$1,034,695.19
3 - NDR, Wolf River Wetland & Restoration Greenway -	\$224,461.00	\$18,260,842.00	\$1,774,757.64
4 - NDR, Big Creek Wetland & Recreation Area - NDR	\$216,954.85	\$29,447,227.00	\$1,104,720.30
5 - NDR, Administration - NDR	\$52,289.86	\$1,648,997.00	\$576,956.56
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



Activities

Project # / 1 - NDR / Regional Resilience Plan - NDR

Grantee Activity Number: 1 - NDR - 01
Activity Title: Hydraulic Modeling

Activity Category:

Planning

Activity Status:

Under Way

Project Number:

1 - NDR

Project Title:

Regional Resilience Plan - NDR

Projected Start Date:

03/30/2017

Projected End Date:

11/30/2018

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Urgent Need

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,300,000.00
Total Budget	\$0.00	\$1,300,000.00
Total Obligated	\$0.00	\$1,300,000.00
Total Funds Drawdown	\$6,712.87	\$1,286,364.87
Program Funds Drawdown	\$6,712.87	\$1,286,364.87
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$6,712.87	\$1,286,364.87
Shelby County Government2	\$6,712.87	\$1,286,364.87
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Hydraulic Modeling of the three major drainage Basins in Shelby County as a part of the Master Resilience Plan for Shelby County.

Location Description:

3 watersheds of Shelby County.

Activity Progress Narrative:

A brief preliminary narrative was provided to resilience staff by the Hydraulic Study Team discussing Hydraulic findings as related to the Master Plan and the incorporation of the Hydraulic studies into the plan itself. The narrative focuses on impacted structures by flood zone within the Loosahatchie, Wolf, and Nonconnah river basins. The narrative also referred to sites chosen by the primary consultant, Sasaki, for flood mitigation. A meeting between all working groups took place on April 15, 2019 to further discuss the analysis and its



incorporation into the Regional Resilience Plan. Additionally, conversations took place with the US Corps of Engineers to discuss their own current modeling efforts within the Region and to discuss if Shelby County and the Corps would have the potential to work together in Hydraulic Modeling of the area using both groups' modeling efforts in the future. At the close of the quarter, the Resilience Planning team was working to include its own modeling effort into the Master Plan as an appendix to the document.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Plans or Planning Products	0	0/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Activity Supporting Documents

- Document** 1-NDR-01_2019 March-May \$6,712.87.pdf
- Document** VOL 1 - HMS Model Development.pdf
- Document** VOL 2 - Loosahatchie River HEC-RAS Report.pdf
- Document** VOL 3 - Wolf River HEC-RAS Report.pdf
- Document** VOL 4 - Nonconnah Creek HEC-RAS Report.pdf



Grantee Activity Number: 1 - NDR - 02

Activity Title: Master Planning

Activity Category:

Planning

Activity Status:

Under Way

Project Number:

1 - NDR

Project Title:

Regional Resilience Plan - NDR

Projected Start Date:

03/30/2017

Projected End Date:

06/30/2019

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Urgent Need

Responsible Organization:

Shelby County Government2

Overall

Total Projected Budget from All Sources

Apr 1 thru Jun 30, 2019

N/A

To Date

\$800,000.00

Total Budget

\$0.00

\$800,000.00

Total Obligated

\$0.00

\$800,000.00

Total Funds Drawdown

\$60,739.44

\$524,444.28

Program Funds Drawdown

\$60,739.44

\$524,444.28

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$60,739.44

\$524,444.28

Shelby County Government2

\$60,739.44

\$524,444.28

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

Resilience planning, data development, public input and Resilience Plan finalization to establish long term resilience for Shelby County.

Location Description:

Shelby County, Tennessee

Activity Progress Narrative:

During the month of April 2019, Shelby County reviewed the first draft of the Regional Master Resilience Plan in preparation for Public Meetings on the plan during the month of May. The draft plan was over 525 pages in length and contained seven (7) chapters focusing on key aspects of resilience at the local and regional level (i.e. waterways, watersheds, buildings, land planning, infrastructure, post disaster, and governance). Shelby County staff read and edited the plan and coordinated comments with Sasaki (the consultant) and key local Shelby County Resilience Commission members and their staff.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Plans or Planning Products	0	0/1



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Activity Supporting Documents

- Document** 1-NDR-02_2019 March-May \$60,739.44.pdf
- Document** 2019-04-29 MPO Presentation Sasaki Regional Resilience.pdf
- Document** 2019-05-08_Jared Darby Invitees to Resilience Plan, Final Public Review Presentation.pdf
- Document** 2019-05-15_Public_Meeting_3_Plan_Preview.pdf
- Document** Compiled Sign-In Sheets_Resilience Plan Public Meetings May 2019.xlsx
- Document** ETC Minutes 05.16.19.pdf
- Document** Master Plan Outreach Presentations _MPO Meetings.pdf
- Document** May Public Notices_Master Plan Notices_La Prensa, Tri-State, & Memphis Flyer.pdf
- Document** TPB Minutes 05.16.19.pdf
- Document** Team Meetings_April - June 2019.pdf

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

Grantee Activity Number:	2 - NDR - 01
Activity Title:	Infrastructure

Activity Category:
Acquisition, construction, reconstruction of public facilities

Project Number:
2 - NDR

Projected Start Date:
09/01/2019

Benefit Type:
Area ()

National Objective:
Low/Mod

Activity Status:
Planned

Project Title:
South Cypress Creek Watershed & Neighborhood

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2



Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,320,500.00
Total Budget	\$0.00	\$1,320,500.00
Total Obligated	\$0.00	\$1,320,500.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Actual Construction of the South Cypress Neighborhood Development Infrastructure Projects including reuse of repurposed vacant lots, community gardens, bidding, contract approval, and construction within the community.

Location Description:

South Cypress Creek Watershed in Southwest Memphis, Tennessee
35.059753, -90.091317

Activity Progress Narrative:

Work on this the South Cypress Creek infrastructure activities will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. The original start and end date for this activity was based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until mid-May of 2017. Because this activity is dependent on upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019; but is subject to the completion of the environmental review and Release of Funds for the project itself.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of green public	0	0/16000

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	2 - NDR - 02
Activity Title:	Flood Mitigation/Stormwater

Activity Category:

Dike/dam/stream-river bank repairs

Project Number:

2 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$2,038,736.00
Total Budget	\$0.00	\$2,038,736.00
Total Obligated	\$0.00	\$2,038,736.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Actual Construction of the South Cypress Watershed and Neighborhood Development Project including bidding, contract approval, and construction within the community.

Location Description:

South Cypress Creek Watershed in Southwest Memphis, Tennessee
35.059753, -90.091317

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. The original start and end date for this activity was based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until mid-May of 2017. Because this activity is dependent on upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019 but is subject to the completion of the environmental review and Release of Funds for the project itself.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear miles of Public	0	0/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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



Grantee Activity Number:	2 - NDR - 03
Activity Title:	Program Capital Costs

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

2 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$450,000.00
Total Budget	\$0.00	\$450,000.00
Total Obligated	\$0.00	\$450,000.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Actual Construction of the South Cypress Watershed and Neighborhood Development Project including bidding, contract approval, and construction within the community.

Location Description:

South Cypress Creek Watershed in Southwest Memphis, Tennessee
35.059753, -90.091317

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. The original start and end date for this activity was based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until mid-May of 2017. Because this activity is dependent on upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019 but is subject to the completion of the environmental review and Release of Funds for the project itself.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Acres wetlands	0	0/85

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



Grantee Activity Number:	2 - NDR - 04
Activity Title:	Property Acquisitions

Activity Category:

Acquisition - general

Project Number:

2 - NDR

Projected Start Date:

11/15/2019

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

02/28/2020

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,901,678.00
Total Budget	\$0.00	\$1,901,678.00
Total Obligated	\$0.00	\$1,901,678.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$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:

South Cypress Creek Watershed in Southwest Memphis, Tennessee
35.059753, -90.091317

Activity Progress Narrative:

The property acquisition under the South Cypress Creek will begin once the engineering/design and Environmental Review are completed. All acquisitions will be voluntary and comply with the Uniform Relocation Act (URA) set forth by the federal government. The original start and end date for this activity was based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until Mid-May of 2017. Because this activity is dependent upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019 but is subject to the completion of the environmental review and Release of Funds for the project itself.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Parcels acquired	0	0/14
Total acquisition compensation	0	0/1901678

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	2 - NDR - 05
Activity Title:	New Housing Development

Activity Category:
Rehabilitation/reconstruction of residential structures

Project Number:
2 - NDR

Projected Start Date:
11/15/2019

Benefit Type:
Direct (HouseHold)

National Objective:
Low/Mod

Activity Status:
Planned

Project Title:
South Cypress Creek Watershed & Neighborhood

Projected End Date:
06/30/2020

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,512,500.00
Total Budget	\$0.00	\$1,512,500.00
Total Obligated	\$0.00	\$1,512,500.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Reconstruction of infill housing and housing rehabilitation for residents who participated voluntarily in property acquisition to include homebuyer assistance and assistance waivers to eligible homebuyers, as necessary. New activities will be added in the future to reflect non-LMI households assisted and other housing activity if necessary. Actual household income will be documented as individual clients are served under this activity.

Location Description:

South Cypress Creek Watershed in Southwest Memphis, Tennessee
35.059753, -90.091317

Activity Progress Narrative:

Like the property acquisition activity (2-NDR-04) the New Housing Development activity will begin once the engineering/design and Environmental Review are completed. Under this activity, Shelby County will not be carrying on new construction on its own as new development. This activity is designed to provide a subsidized forgivable grant to owners who participate in the voluntary buyouts under 2-NDR-04. Again, Shelby County will not be developing housing in South Cypress Creek on its own under this NDR activity. The original start and end date for this activity was also based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until mid-May of 2017. Because this activity is dependent on upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019 but is subject to the completion of the



environmental review and Release of Funds for the project itself.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
City of Memphis Housing	\$100,000.00
Total Other Funding Sources	\$0.00



Grantee Activity Number:	2 - NDR - 06
Activity Title:	Engineering and Testing

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

2 - NDR

Projected Start Date:

03/30/2017

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

08/01/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,764,683.00
Total Budget	\$0.00	\$1,764,683.00
Total Obligated	\$0.00	\$1,764,683.00
Total Funds Drawdown	\$38,423.95	\$1,034,695.19
Program Funds Drawdown	\$38,423.95	\$1,034,695.19
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$38,443.95	\$1,034,695.19
Shelby County Government2	\$38,443.95	\$1,034,695.19
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

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 Project within the City of Memphis in Southwest Memphis, Tennessee. 35.059753, -90.091317

Activity Progress Narrative:

South Cypress Creek saw the resolution of a difference of opinion as to the designation of wetlands in the project area between the US Corps of Engineers and the Tennessee Department of Environment and Conservation. The resulting determination was that the Corps' wetland designation was accurate within the area. The resolution of the wetland discussion resulted in the second Final 8-Step Notification's preparation and advertisement locally in June 2019. The notification ran in local newspapers on June 27th, 28th, and 30th.

South Cypress Creek accomplishments during the quarter included moving forward with the environmental review and design concept. At the close of the quarter, the engineering designs for the South Cypress Creek Project were 45% complete. Also, all State Historic Preservation Office (SHPO) reviews were complete.

At the close of the quarter, Shelby County and the South Cypress Creek engineering and design team were working to focus on targeting the work for 95% design completion for September/October 2019.



Finally, during the quarter, regular monthly project team meetings took place to monitor the overall progress of the South Cypress Creek Project, identify issues that might delay moving the project forward, and to address any problems that may have arisen (or were anticipated to potential issues in the future).

Accomplishments Performance Measures

	This Report Period Total	Cumulative Actual Total / Expected Total
# of Acres wetlands	0	0/15

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Activity Supporting Documents

- Document** 2-NDR-06_2019 March-May \$38,423.95.pdf
- Document** 2nd 8-Step Letter & Ad to FEMA_South Cypress Creek_6-26-2019.pdf
- Document** SHPO 106 Response Letter from TN Historical Commission 2019-02-07.pdf
- Document** Team Meetings_April - June 2019.pdf
- Document** Tribal Consultation Letters.pdf

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

Grantee Activity Number:	3 - NDR -01
Activity Title:	Orchi Road Complete Street - Infrastructure & Cons

Activity Category:
Construction/reconstruction of streets

Project Number:
3 - NDR

Projected Start Date:
04/01/2019

Benefit Type:
Area ()

National Objective:
Low/Mod

Activity Status:
Planned

Project Title:
Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:
05/01/2021

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,151,549.00
Total Budget	\$0.00	\$1,151,549.00
Total Obligated	\$0.00	\$1,151,549.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Reconstruction of Orchi Road to prevent future flooding of the are and to link low income residents with the greenway and parks being developed under this project

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West
35.177991, -89.937286

Activity Progress Narrative:

Reconstruction of Orchi Road to assist in preventing future flooding of the area and to link low income residents with the greenway and parks being developed under this activity. The activity will also develop safer roadways for pedestrian and residents within the activity boundaries.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of Public	0	0/1000
# of Linear miles of Public	0	0/2

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number: 3 - NDR -02
Activity Title: Rodney Baber Park - Infrastructure & Construction

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

05/01/2021

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,688,645.00
Total Budget	\$0.00	\$1,688,645.00
Total Obligated	\$0.00	\$1,688,645.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

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:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of buildings (non-residential)	0	0/2
# of public facilities	0	0/1



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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



Grantee Activity Number:	3 - NDR -03
Activity Title:	Kennedy Park - Infrastructure & Construction

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

05/01/2021

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$436,586.00
Total Budget	\$0.00	\$436,586.00
Total Obligated	\$0.00	\$436,586.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

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:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office.

Accomplishments Performance Measures

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



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	3 - NDR -04
Activity Title:	Park Earthwork/Utilities/Demolition

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

05/01/2021

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$3,929,985.00
Total Budget	\$0.00	\$3,929,985.00
Total Obligated	\$0.00	\$3,929,985.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Reconstruction of the restoration area associated with 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 to 35.198212, -89.910189

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Acres wetlands	0	0/5



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	3 - NDR -05
Activity Title:	Engineering and Testing

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2017

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

12/15/2018

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,941,677.00
Total Budget	\$0.00	\$1,941,677.00
Total Obligated	\$0.00	\$1,941,677.00
Total Funds Drawdown	\$77,075.00	\$956,400.00
Program Funds Drawdown	\$77,075.00	\$956,400.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$77,075.00	\$956,400.00
Shelby County Government2	\$77,075.00	\$956,400.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

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:

On June 14, 2019, Shelby County and the engineering and design team's environmental officer met to discuss the NEPA/Environmental Review and cover the next steps in publishing the FONSI and RROF. The environmental review is now being reviewed for any minor changes and it is anticipated that the FONSI will be published in the next quarter. Other key accomplishments included: finalizing the Orchi Road design to include a sidewalk, tree scape planting, ADA easements and street lane redesign; finalizing park designs within both Rodney Baber and Kennedy parks; and moving forward with the permitting involved for the project in particular approval of ARAP and USACE permit approval. Finally, Shelby County moved forward with soil and core sampling related to the parks development (and in particular to the portion of Rodney Baber which will involve the creation of lake). The sampling will determine soil quality and suitability as well as what needs to be done once the release of funds has been obtained and



construction begins within the parks themselves. At the close of the quarter, the sampling was underway and is anticipated wrap-up early in the next quarter.

Accomplishments Performance Measures

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

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
City of Memphis Public Works	\$250,000.00
Total Other Funding Sources	\$0.00

Activity Supporting Documents

- Document** 3-NDR-05_Wolf River Design_2019 March-May \$77,075.00.pdf
- Document** Email & Letter to FEMA and HUD - 1st 8-Step.pdf
- Document** Email & Lettter to FEMA and HUD - 2nd 8-Step.pdf
- Document** SHPO Clearance Letter 7-27-2017.pdf
- Document** Team Meetings_April - June 2019.pdf



Grantee Activity Number:	3 - NDR -06
Activity Title:	Property Acquisition

Activity Category:

Acquisition - general

Project Number:

3 - NDR

Projected Start Date:

03/08/2019

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Planned

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

07/06/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$112,400.00
Total Budget	\$0.00	\$112,400.00
Total Obligated	\$0.00	\$112,400.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Voluntary purchase of property easements along the Wolf River Greenway all for the development of trailways along the Wolf River Greenway and Restoration Project which links Kennedy Park, Rodney Baber Park, and Orchi Road.

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:

As the environmental review and the engineering design for the project near completion, Shelby County and the Environmental/Engineering and Design Team are evaluating the need for the purchase that was identified as an activity in the Phase 3 Award Budget. At this time, if the purchase of the property is not necessary, Shelby County plans to move these funds to another existing activity within the Wolf River Greenway Project. This will be determined in the final stages of the environmental review and engineering and design process. Based on the substantial amendment guidelines, moving these funds to another Wolf River activity should not constitute a substantial amendment to the NDR Grant; however, no change will occur without consultation with Shelby County's Region IV HUD Field Office and appropriate staff.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Parcels acquired	0	0/1
Total acquisition compensation	0	0/112400

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	3 - NDR -07
Activity Title:	Wolf River Greenway - Infrastructure & Constructio

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

09/01/2017

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

09/01/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$9,000,000.00
Total Budget	\$0.00	\$9,000,000.00
Total Obligated	\$0.00	\$9,000,000.00
Total Funds Drawdown	\$147,386.00	\$818,357.64
Program Funds Drawdown	\$147,386.00	\$818,357.64
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$147,386.00	\$818,357.64
Shelby County Government2	\$147,386.00	\$818,357.64
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$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:

During the reporting period, Shelby County completed the review of the Phase 8 fencing along a portion of the greenway over the Wolf River which is located on Highland Street and along I-240. Advertisements announcing the bid were run in the Tri-State Defender on 5/16/19, the Daily News on 5/14-15/19, and La Prensa Latina on 5/19. The bid opportunity was also listed on the ResilientShelby website. A voluntary pre-bid conference was held on 5/23/2019. On 6/11/19, the bids were publicly opened and Wagner General Contractors, Inc. were recommended as the successful bidder on the project at a cost of \$119,271.80.

Under 10(A) all three (3) property easements had been acquired by Shelby County. On June 18, 2019 Shelby County issued a bid for construction of Phase 10A of the greenway. Bids were advertised in the Daily News on June 18th and 19th 2019, the Tri-State Defender on June 20, 2019 and La Prensa Latina on June 20, 2019. A voluntary pre-construction conference was held on June 27, 2019 with the bid opening on Phase 10(A)



scheduled for next quarter (July 23, 2019).

Under Phase 6 of the Greenway, Shelby County moved forward with the process of acquiring easements needed to construct the greenway from Hollywood to Douglas Park. At the close of the quarter, the easement activity under Phase 6 was 40% complete. As for Phase 7 (from Douglas Park to N. Highland), Shelby County moved forward with Title Searches for 5 properties where easement access was needed in order to complete this section of the greenway.

Finally, the Wolf River Conservancy is making progress on their portions of the Greenway which HUD accepted as a direct leverage contribution. As of this report the conservancy anticipates completing their construction on the additional greenway trails in 2021, a map of their projects is attached along with a journalized report of expenses related to the entire greenway project through December 31, 2018. To date, the Wolf River Conservancy has spent \$15,635,736.03 (50%) of the \$31,500,000.00 which they committed as leverage in the NDR competition.

Accomplishments Performance Measures

	This Report Period Total	Cumulative Actual Total / Expected 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 Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
Wolf River Conservancy	\$31,500,000.00
Total Other Funding Sources	\$0.00

Activity Supporting Documents

Document	3-NDR-07_2019 March-May \$147,386.00.pdf
Document	WRG Leverage Cost Report Journalized_9.17.2014 thru 12.31.2018.pdf
Document	Wolf River Greenway Map.pdf

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

Grantee Activity Number: 4 - NDR - 01

Activity Title: Land Aquisition

Activity Category:

Acquisition - general

Project Number:

4 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Planned

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	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$640,000.00
Total Budget	\$0.00	\$640,000.00
Total Obligated	\$0.00	\$640,000.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$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:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. At this time, no adjustment is needed for the proposed start and end date.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Parcels acquired	0	0/15
Total acquisition compensation	0	0/640000

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found



Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	4 - NDR - 02
Activity Title:	Overbank Excavation

Activity Category:
Acquisition, construction, reconstruction of public facilities

Project Number:
4 - NDR

Projected Start Date:
09/01/2019

Benefit Type:
Area ()

National Objective:
Low/Mod

Activity Status:
Planned

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	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$17,191,198.00
Total Budget	\$0.00	\$17,191,198.00
Total Obligated	\$0.00	\$17,191,198.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

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:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. At this time no adjustment is needed for the proposed start and end date.

Accomplishments Performance Measures

This Report Period	Cumulative Actual Total / Expected
Total	Total



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	4 - NDR - 03
Activity Title:	Recreational Facilities

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

4 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Planned

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	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$5,236,797.00
Total Budget	\$0.00	\$5,236,797.00
Total Obligated	\$0.00	\$5,236,797.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Construction recreational facilities associated within the Big Creek project along the Big Creek Floodway.

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.
35.198212, -89.910189

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. At this time no adjustment is needed for the proposed start and end date.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of buildings (non-residential)	0	0/1
# of Linear feet of Public	0	0/3



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number: 4 - NDR - 04

Activity Title: Bridge Modifications

Activity Category:

Acquisition, construction, reconstruction of public facilities

Activity Status:

Planned

Project Number:

4 - NDR

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected Start Date:

09/01/2019

Projected End Date:

06/15/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

Shelby County Government2

Overall

Total Projected Budget from All Sources

Apr 1 thru Jun 30, 2019

N/A

To Date

\$1,953,027.00

Total Budget

\$0.00

\$1,953,027.00

Total Obligated

\$0.00

\$1,953,027.00

Total Funds Drawdown

\$0.00

\$0.00

Program Funds Drawdown

\$0.00

\$0.00

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$0.00

Shelby County Government2

\$0.00

\$0.00

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

These bridge modifications remove restrictions to flood waters and will directly benefit LMI areas in Millington which are North of Big Creek Floodway by connecting them to the Big Creek facilities. 4 bridges will directly link these communities to the Big Creek development.

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.
35.198212, -89.910189

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. At this time no adjustment is needed for the proposed start and end date.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of public facilities	0	0/4



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number: 4 - NDR - 05

Activity Title: Tree Planting

Activity Category:

Acquisition, construction, reconstruction of public facilities

Activity Status:

Planned

Project Number:

4 - NDR

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected Start Date:

09/01/2019

Projected End Date:

08/01/2020

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Urgent Need

Responsible Organization:

Shelby County Government2

Overall

Total Projected Budget from All Sources

Apr 1 thru Jun 30, 2019

N/A

To Date

\$125,000.00

Total Budget

\$0.00

\$125,000.00

Total Obligated

\$0.00

\$125,000.00

Total Funds Drawdown

\$0.00

\$0.00

Program Funds Drawdown

\$0.00

\$0.00

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$0.00

 Shelby County Government2

\$0.00

\$0.00

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

This activity is for the replanting of new tree canopy to insure that no net loss occurs to the tree canopy in the activity area due to work in the floodplain. The performance measurement represents an average of 40 trees per acre.

Location Description:

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West.

Various locations near 35.198212, -89.910189

Activity Progress Narrative:

The Tree Planting activity as mentioned in previous QPRs has been placed on hold pending the completion of environmental reviews and engineering design of the overall project. This was done in consultation with HUD due to tree planting being a separate activity under the Big Creek Project. The activity will move forward upon the completion of the FONSI/RROF and subsequent approval by the HUD Field Office.

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 Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	4 - NDR - 06
Activity Title:	Engineering for Floodway design and landscape arch

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

4 - NDR

Projected Start Date:

01/01/2017

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

08/01/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$4,301,204.00
Total Budget	\$0.00	\$4,301,204.00
Total Obligated	\$0.00	\$4,301,204.00
Total Funds Drawdown	\$216,954.85	\$1,104,720.30
Program Funds Drawdown	\$216,954.85	\$1,104,720.30
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$216,954.85	\$1,104,720.30
Shelby County Government2	\$216,954.85	\$1,104,720.30
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

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:

On April 8, 2019 Shelby County received a letter from the State Historical Preservation Office (SHPO) finding that “no archaeological resources eligible for listing on the National Register of Historic Places would be affected by the Big Creek Project. The State did request two minor edits to the assessment which were made to the document as requested. The final assessment was submitted to the SHPO on May 13, 2019.

On May 10, 2019, Barge and the County met with Tennessee Department of Transportation (TDOT) Representative Jason Moody to discuss Big Creek Design issues along a Highway 51 access held by the State. Several items were addressed and resolved that relate to the design of Area 1 of the project. TDOT will not allow a left turn out of Area 1 onto Hwy 51 due to the 5-foot grade separation between the north and southbound lanes and a traffic signal would not be permitted since it is located less than one-quarter of a mile



from other traffic signals. Only a right-in with a deceleration lane, and a right-out with an acceleration lane will be permitted. Finally, TDOT would allow the project to jack and bore under Hwy 51 for any utilities such as water or sewer and they would allow the extension of the 12'x12' box culvert under Hwy 385.

A meeting with the City of Millington, the Chickasaw Basin Authority, and Strawberry Plains Audubon Society took place on June 4, 2019 to discuss maintenance of the Big Creek Project based on the current engineering and design concepts. This meeting addressed multiple final design concepts for all areas of the project.

Accomplishments Performance Measures

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

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Activity Supporting Documents

- Document** 4-NDR-06_Big Creek Engineering_2019 March -May \$216,954.85.pdf
- Document** 38188-Big Creek Phase 1 Assessment_ May2019_Final Report.pdf
- Document** SHPO Response_5-11-2018.pdf
- Document** Team Meetings_April - June 2019.pdf

Project # / 5 - NDR / Administration - NDR

Grantee Activity Number:	5 - NDR - 01
Activity Title:	Program Administration

Activity Category: Administration	Activity Status: Under Way
Project Number: 5 - NDR	Project Title: Administration - NDR
Projected Start Date: 03/01/2017	Projected End Date: 09/30/2022
Benefit Type: ()	Completed Activity Actual End Date:
National Objective:	Responsible Organization:

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,648,997.00
Total Budget	\$0.00	\$1,648,997.00
Total Obligated	\$0.00	\$1,648,997.00
Total Funds Drawdown	\$52,289.86	\$576,956.56
Program Funds Drawdown	\$52,289.86	\$576,956.56
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$52,289.86	\$576,956.56
Shelby County Government2	\$52,289.86	\$576,956.56
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Grant Administration by Shelby County, Tennessee staff and consultants.

Location Description:

Shelby County Division of Planning and Development

Activity Progress Narrative:

During the April to June 2019 quarter, key administrative tasks completed and continuing included: (1) meetings of the Wolf River Greenway (WRG) Projects' team members to review and discuss the environmental, engineering and design status for the overall project and to make a first review and analysis of the 95% WRG Design in order to move forward and finalize the project, (2) the final review determinations of RFQ 19-011-10 for Engineering and Construction and Inspection (CEI) Services was completed, (3) meetings between the Regional Resilience Master Plan Team and the Hydraulic Modeling Analysis Team to incorporate information from the Hydraulic model into the Master Resilience Plan's potential resilience activities continued, (5) coordination between the Regional Resilience Master Plan Team and the Shelby County Office of Sustainability to develop compatibility between the Resilience Plan and Climate Action Plan for Shelby County continued, and (6) the Department of Resilience Administrator worked with the Tennessee Human Rights Commission and others to present the 2019 Fair Housing Conference.

Additionally, regular monthly Team meetings to monitor progress on South Cypress Creek, Wolf River, and Big Creek activities took place on 4/3, 5/1, 6/4, and 6/12/2019. Furthermore, administration staff continued to hold regular Shelby County Resilience Council (SCRC) meetings on Friday mornings at 10:00 AM each week to discuss NDR progress, and to review and provide input into outstanding issues. Resilience staff also held weekly team conference calls with team members on the Master Resilience Plan.

Finally, as mentioned above, the NDR administrative staff were part of the host and planning committee for the Annual West Tennessee Fair Housing Conference on April 11, 2019 along with HUD, TN Human Rights Commission, Memphis Area Legal Services (MALS), and the City of Memphis. The conference was held at the National Civil Rights Museum in Memphis, Tennessee.

As of June 30, 2019, Shelby County had drawn down \$599,581.97 in grant funds from DRGR for the reporting period of April through June 30, 2019. When combined with the \$5,702,356.87 drawn during the previous reporting periods, Shelby County had drawn a total of \$6,301,938.84 in DRGR. As of the end of this quarter, all funds drawn from DRGR had been expended by the County.

Note: a \$20.00 adjustment was made to account for a keying error in the QPR for April – June 2018 (submitted on 7/27/2018) and approved by HUD. As explained in the January – March 2019 QPR, the expenditures shown for April to June of 2018 should have reflected \$308,466.14 drawn and expended rather than \$308,446.14 for activity 2-NDR-06. This adjustment balanced the draws and expenditures in 2-NDR-06. This adjustment had no impact on any financial forms or reports previously submitted to HUD. It simply rectified a typo within the older QPR. All funds drawn have been spent to date and NO FUNDS were ever on hand or drawn prior to expenditure.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Activity Supporting Documents

Document 5-NDR-01_2019 Admin._March-May \$52,289.86 (1 of 4).pdf

Document 5-NDR-01_2019 Admin._March-May \$52,289.86 (2 of 4).pdf

Document 2019 Fair Housing Conference Program Guide.pdf

Document 5-NDR-01_2019 Admin._March-May \$52,289.86 (3 of 4).pdf

Document 5-NDR-01_2019 Admin._March-May \$53,289.86 (4 of 4).pdf

Document NDR Grant Reconciliation_As of 2019-05-31.pdf

Document NDR Request for Reimbursement_2019-05-31.pdf

Document Shelby County Single Audit Reports Schedule-Finalized_2018.pdf

Document Timesheets & Certifications_2019-01-06.pdf

Document SCRC Agendas April - June 2019.pdf

Project # / 6 - LTC / Long Term Commitments - LTC

Grantee Activity Number: 6 - LTC - 01

Activity Title: Greenprint

Activity Category:

NDR - Resilience Value

Project Number:

6 - LTC

Projected Start Date:

07/01/2012

Benefit Type:

()

National Objective:

NA

Activity Status:

Completed

Project Title:

Long Term Commitments - LTC

Projected End Date:

01/31/2017

Completed Activity Actual End Date:

08/22/2016

Responsible Organization:

Shelby County Government2



Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The Greenprint is a 25 year plan designed to enhance regional sustainability by establishing a unified vision for a region-wide network of green space areas which serves to address long-term housing and land use, resource conservation, environmental protection, accessibility, community health and wellness transportation alternatives, economic development, neighborhood engagement, and social equity in the Greater Memphis area.

The long term commitment to the Greenprint and the Region will be insured through the adoption of greenprint by 22 local jurisdictions who were part of the planning effort and the ultimate finalization of the Greenprint 2015/2040 plan.

Location Description:

The greenprint is a long range plan for the Shelby County Region. The Greenprint study included the Memphis and West Memphis Metropolitan Planning organizations (MPOs) covering four counties and 18 municipalities located in the States of Tennessee, Arkansas and Mississippi. The study areas boundaries include Shelby County, TN and the cities of Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington; northern DeSoto County, MS, including the cities of Hernando, Horn Lake, Olive Branch, Southaven, and Walls; eastern Crittenden County, AR, including the cities of West Memphis, Marion, and Sunset; and western Fayette County, TN including the cities of Piperton, Gallaway, and Braden

Activity Progress Narrative:

This Long-Term Commitment was completed prior to 2017. The completion date (8/22/2016) was entered in the first QPR submitted for January 2017- March 2017. Supporting Documents were attached to the QPR for October 2017 – December 2017. The Action Plan was updated in October 2018 to show this commitment complete. No further reports or updates are necessary for this activity.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of jurisdictions adopting	0	22/22

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	6 - LTC - 02
Activity Title:	Long Term Commitment - Wolf River Conservancy

Activity Category:

NDR - Resilience Value

Project Number:

6 - LTC

Projected Start Date:

01/01/2015

Benefit Type:

()

National Objective:

NA

Activity Status:

Completed

Project Title:

Long Term Commitments - LTC

Projected End Date:

01/31/2017

Completed Activity Actual End Date:

12/31/2016

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Under this long term commitment the Wolf River Conserancy will protect/restore an additional 900 acres of of wetland within the Wolf River watershed in Shelby County.

Location Description:

The Wof River watershed starts in north Mississippi and flows northwest through Fayette and Shelby Counties to join the Mississippi River at Memphis. The watershed carves a green passage though 90 miles of forests, fields and communities. The upper Wolf's upper reaches are lush wetlands of unmatched beauty that help recharge the drinking water aquifer.

Activity Progress Narrative:

This Long-Term Commitment was completed prior to 2017. The completion date (12/31/2016) was entered in the first QPR submitted for January 2017- March 2017. Supporting Documents were attached to the QPR for October 2017 – December 2017. The Action Plan was updated in October 2018 to show this commitment complete. No further reports or updates are necessary for this activity.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of wetland	0	1244/900

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	6 - LTC - 03
Activity Title:	Long Term Commitment - Ready Shelby

Activity Category:
NDR - Resilience Value

Project Number:
6 - LTC

Projected Start Date:
01/01/2015

Benefit Type:
()

National Objective:
NA

Activity Status:
Completed

Project Title:
Long Term Commitments - LTC

Projected End Date:
01/31/2017

Completed Activity Actual End Date:
12/31/2016

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The initiative is designed to educate Shelby County residents on how to prepare for an emergency, with specific attention given to the first 72 hours after an emergency and to partner with public private, faith-based and non-profit sectors to share the guidelines and the overall importance of emergency preparedness for Shelby County. The project under this commitment is to reach an additional 200,000 households.

Location Description:

Ready Shelby is located in Shelby County and is a collaborative initiative supported by Shelby County Government, all municipalities within the County (Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington) and the Assisi Foundation.

Activity Progress Narrative:

This Long-Term Commitment was completed prior to 2017. The completion date (12/31/2016) was entered in the first QPR submitted for January 2017- March 2017. Supporting Documents were attached to the QPR for October 2017 – December 2017. The Action Plan was updated in October 2018 to show this commitment complete. No further reports or updates are necessary for this activity.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of households reached	0	421000/20000

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	6 - LTC - 04
Activity Title:	LTC - Memphis Project Delivery Manual

Activity Category:
NDR - Resilience Value

Project Number:
6 - LTC

Projected Start Date:
01/01/2015

Benefit Type:
()

National Objective:
NA

Activity Status:
Completed

Project Title:
Long Term Commitments - LTC

Projected End Date:
01/01/2017

Completed Activity Actual End Date:
10/06/2015

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The City of Memphis Project Delivery Manual included design guidelines for streets that include safe accommodations for vehicles, bicycles, pedestrians, and transit users of all ages and abilities. Once adopted, all street improvements will be required to consult the manual for design and engineering treatments. The manual will allow streets and street segments to be adopted as complete streets in context of the design.

Location Description:

The City of Memphis, Tennessee.

Activity Progress Narrative:

This Long-Term Commitment was completed prior to 2017. The completion date (10/06/2015) was entered in the first QPR submitted for January 2017- March 2017. Supporting Documents were attached to the QPR for October 2017 – December 2017. The Action Plan was updated in October 2018 to show this commitment complete. No further reports or updates are necessary for this activity.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of plans adopted	0	1/1



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / 7 - SL / Supporting Leverage - SL

Grantee Activity Number: 7 - SL - 01

Activity Title: Greenprint Implementation and Staff Support

Activity Category:

NDR - Supporting Leverage

Project Number:

7 - SL

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Supporting Leverage - SL

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

01/01/2017

Responsible Organization:

Shelby County Government2

Overall

Total Projected Budget from All Sources

Apr 1 thru Jun 30, 2019

To Date

Total Budget

N/A

\$0.00

Total Obligated

\$0.00

\$0.00

Total Funds Drawdown

\$0.00

\$0.00

Program Funds Drawdown

\$0.00

\$0.00

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$0.00

Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

GREENPRINT Implementation Support - The Hyde Family Foundations, a local philanthropy, gifted \$157,000.00 and the Greater Memphis Chamber of Commerce committed an additional \$57,000.00 to fund a coordinator position to transition the GREENPRINT (the platform for the NDRC competition) from plan to implementation. This leverage also supports the Regional Resilience Plan activity developed in this application.

Location Description:

The Memphis and West Memphis Metropolitan Planning organizations (MPOs) covering four counties and and 18 municipalities located in the States of Tennessee, Arkansas, and Mississippi. The study areas boundaries include Shelby County, TN, and the cities of Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington; northern DeSoto County, MS, including the the cities of Hernando, Horn Lake, Olive Branch, Southaven, and Walls; eastern Crittenden County, AR, including the cities of West Memphis, marion, and Sunset; and western Fayette County, TN, including the cities of Piperton, Galloway, and Braden.

Activity Progress Narrative:

The supporting leverage in support of the Greenprint Implementation has been completely expended. Documentation on Supporting Leverage from both the Hyde Family Foundation and the Memphis Chamber of Commerce is attached to this activity and report. This documentation consists of the executed contracts between Shelby County and each organization (Hyde Family Foundation \$157,000.00) and the Memphis Chamber of Commerce (\$57,000.00) for a total of \$214,000.00. Funds were utilized to cover the cost of a staff member for a two-year period and ran from January 29, 2015 to January 1, 2017. This supporting leverage has been fully expended.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
Greater Memphis Chamber of Commerce	\$57,000.00
Hyde Family Foundation	\$157,000.00
Total Other Funding Sources	\$0.00

Activity Supporting Documents



Grantee Activity Number:	7 - SL - 02
Activity Title:	Shelby Farms Greenline and Park Trails

Activity Category:
Rehabilitation/reconstruction of a public improvement

Project Number:
7 - SL

Projected Start Date:
09/01/2014

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
Supporting Leverage - SL

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Shelby County's supporting leverage of \$5,822,181.00 is aligned with the Shelby Farms Greenline and Park Trails. These trail corridors were identified within the GREENPRINT will be and will further connect recreational access points within Shelby Farms and creating a network for Shelby County citizens to access the park amenities without the need for a motorized vehicle.

Location Description:

Shelby County (specifically, the Shelby Farms Park Greenline and Park trails, the Greenline connection to the Wolf River Restoration Greenway, a trail system from central Shelby County to the Frayser community.

Activity Progress Narrative:

Shelby County's supporting leverage of \$5,822,181.00 is aligned with the Shelby Farms Greenline and Park Trails. These trail corridors were identified within the GREENPRINT will be further connections and recreational access points within Shelby Farms and creating a network for Shelby County citizens to access the park amenities without the need for a motorized vehicle. As of this report, \$2,550,000.00 for the Shelby Farms Greenline from the Old Cordova Train Depot to the TVA Cordova Substation on Lenow Road had been expended and construction of the trail was complete.



Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

	Amount
Shelby County Government	\$5,822,181.00
Total Other Funding Sources	\$0.00

Activity Supporting Documents

Document 3_Fully Executed Contract - SC and TDOT.pdf

Document 3_Fully Executed TDOT Grant Agr Greenline-Lenox Ext.pdf

Grantee Activity Number:	7 - SL - 03
Activity Title:	Main-to-Main Multimodel Connector

Activity Category:
NDR - Supporting Leverage

Project Number:
7 - SL

Projected Start Date:
01/01/2015

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
Supporting Leverage - SL

Projected End Date:
06/15/2022

Completed Activity Actual End Date:
10/22/2016

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The \$34,423,302.00 in supporting leverage under the Main to main connector provides direct bicycle and pedestrian access from downtown Memphis, TN to the City of West Memphis, AR via the Harahan Bridge. The project creates a pedestrian corridor across an active railway/highway bridge connector over the Mississippi River and allows individuals to directly bike, run, or walk from Tennessee to Arkansas across the river.

Location Description:

Downtown Memphis, TN to the City of West Memphis, Arkansas via the Harahan Bridge across the Mississippi River.

Activity Progress Narrative:

At nearly a mile in length, Big River Crossing is the longest public pedestrian bridge across the Mississippi. Big River Crossing is also the country's longest active rail/bicycle/pedestrian bridge. It serves as the connection point of Main Street to Main Street, a 10-mile, multi-modal corridor that also features the Big River Trail System, creating ties to attractions throughout the Memphis, West Memphis, and delta region. Big River Crossing is free and open daily from 6:00 a.m. to 10:00 p.m. The crossing features more than 100,000 Philips LED lights that produce hundreds of possible configurations and light distribution patterns to create static displays or dynamic color shows that are programmed to commemorate special events, holidays and important civic causes. Lighting shows occur hourly from sundown until 10pm, when compatible with rail/river traffic schedules. The project was completed in October of 2016 and opened to the public on Saturday October 22, 2016 at 1:00 PM at a cost of \$40,105,686.00 (45.16% of the funding came from Memphis, TN/West Memphis, AR/Shelby County,



TN/and other local private sector donors and 54.83% came from Federal and State of Tennessee funding). The following overview of funding for the project was provided by Mr. Robert Knecht with the City of Memphis.

- Federal – Tiger IV \$14,939,000 (37.25%)
- Federal- FTA Funds \$2,200,000 (5.49%)
- Pre-Bid Private Sector Donations - \$2,000,000 (4.99%)
- West Memphis AR CMAQ MPO -\$1,850,000 (4.61%)
- State of TN TDOT - \$1,342,794 (3.35%)
- Shelby County FY14 CIP - \$1,000,000 (2.49%)
- City of Memphis FY13 CIP - \$422,720 (1.05%)
- Uptown Community Redevelopment Agency (CRA) - \$2,399,442 (5.98%)
- Center City Revenue Finance Corp (CCRFC) - \$2,000,000 (4.99%)
- City of Memphis Storm Water - \$6,894,730 (17.19%)
- City of Memphis FY15 CIP - \$2,000,000 (4.99%)
- TDOT CMAQ - \$1,657,000 (4.13%)
- Post-bid Private Sector Donations - \$1,400,000 (3%)

More information on the Big River Crossing/Multi-Model Pathway Across the Mississippi River between Memphis, TN to West Memphis, AR can be found at the following link: <http://www.bigrivercrossing.com/>

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

	Amount
City of Memphis Public Works	\$34,423,302.00
Total Other Funding Sources	\$0.00

Activity Supporting Documents

Document Main to Main_River Crossing Article.PNG

Image:

Big River Crossing draws big in 1st year

Nearly 250,000 have made use of mile-long boardwalk

TOM CHARLIER
USA TODAY NETWORK - TENNESSEE

Since its opening on a sunny Saturday almost exactly a year ago, the Big River Crossing has welcomed nearly 250,000 visitors and enjoyed other work days, weekend bicycle rides and recovery walks on the boardwalk over the Mississippi River.

In advance of that anniversary events planned for this weekend, promoters of the \$18 million project released figures showing that 247,500 users had been counted on the mile-long boardwalk built on the north side of the Hernando bridge, a 101-year-old toll span.

Eighteen percent were pedestrians, according to figures provided by groups overseeing the project, with the remaining 15 percent bicyclists. The most popular weekend time for users was 5:30 p.m. until 7:30 p.m. was the busiest time on weekends. Monthly visitor numbers of more than 30,000 last November and hovered in the 20,000-300 range from June through September.

"The proven success of Big River Crossing represents a catalyst for the continued advancement of our northeast — north being both Memphis and Arkansas," said Doug McVean, a project official with the Big River Strategic Initiative. The Big River group is a limited liability corporation overseeing the boardwalk and other projects.

Built on one of two cantilevered decks that for decades accommodated "cannongees" carrying cars and trucks over the river, the 10-boardwalk boardwalk is the nation's longest active bikapedestrian rail bridge and the longest public pedestrian bridge across the Mississippi.

See CROSSING, Page A4

Crossing
Continued from Page 1A.

More than 100,000 light-emitting diode (LED) lights bracketing the structure allow for multicolored displays commemorating holidays and special events.

It was constructed using a mix of government and private funds, with the largest chunk of money coming from a federal grant for the Main to Main Intermodal Connector, a \$40 million initiative connecting the downtowns of Memphis and West Memphis.

In observance of the anniversary of the opening last Oct. 22, the project will host the Big River Crossing Half Marathon + 5K on Saturday, with proceeds benefiting the Peier Power Foundation.

On Saturday and Sunday, the bridge also will benefit dynamic light shows to mark the anniversary.

The boardwalk turns a year old as another trail connecting to it on the Arkansas side of the river nears completion. The 6-mile bike-pedestrian trail is the first phase of what will be Delta Regional River Park.

The path winds through farm land along the banks of the Mississippi, providing expansive views of Downtown Memphis on the other side of the river.

Although the parking lot hasn't been paved and a small section under a bridge remains incomplete, the trail will be essentially complete this weekend, said Terry Easton, executive director of the Big River Strategic Initiative.

"It's really a great new trail addition for Crittenden County and West Memphis," Easton said.

The Big River Crossing is popular. FILE

Document
Image:

Big River Crossing 1.png



Document
Image:

Big River Crossing 2.png



Document
Image:

Big River Crossing 3.png



Document
Image:

Big River Crossing 4.png





Grantee Activity Number:	7 - SL - 04
Activity Title:	Greenline and Trail Connectors

Activity Category:
NDR - Supporting Leverage

Project Number:
7 - SL

Projected Start Date:
09/01/2014

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
Supporting Leverage - SL

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The \$4,338,696.00 in supporting leverage for the Greenline and Trail Connectors will further develop the overall Greenprint platform on which the NDR application was overlaid. The greenline and trail connectors are funded through the Memphis Urban Area Metropolitan Planning Organization, a Department of DPD. The connectors provide further access to areas of Shelby County using a more passive system of trails and greenways which allow individuals a form of alternate travel throughout the community via walking, running, or bicycling.

Location Description:

The Greenline and trail are located along the 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

Activity Progress Narrative:

The Greenline and trail connectors are located along the Fletcher Creek Greenway (complete - \$1,146,215.00), Overton Park Cooper Street Trail and Perimeter Trail, Germantown Greenway (complete - \$271,305), Chelsea Avenue Greenline, South Memphis Greenline, Shelby Farms Greenline Bridge, and Arlington Bike/Pedestrian Trail. To date, \$1,417,52.00 has been spent in supporting leverage.

As updates become available on these projects details will be included in the appropriate QPR. The following is a link to a recent article on the Hampline (Overton Park to the Greenline) which is currently under construction.

<https://www.wmccactionnews5.com/2019/07/08/paving-begins-new-hampline-walking-biking-path/>
The Hampline will fully connect Overton Park in Mid-town Memphis to the Shelby Farms Greenline in



Binghampton (at Tillman). The link is projected to be complete by the end of the year and was estimated to take about 9 months to complete. The line is currently ahead of schedule. Links Shelby Farms and Overton Park.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
Memphis Urban Area Metropolitan Planning Organization	\$4,338,696.00
Total Other Funding Sources	\$0.00

Activity Supporting Documents

Document	Final Voucher Record Retention Letter -Phase 1 Fletcher Creek Greenway.doc
Document	PIN 101615.00, Final Voucher Letter - Phase 1 of Germantown Greenway.pdf
Document	Resilience Projects.xlsx
Document	Fletcher Creek Article_Commercial Appeal.pdf

Grantee Activity Number:	7 - SL - 05
Activity Title:	Big Creek Drainage Study

Activity Category:
NDR - Supporting Leverage

Project Number:
7 - SL

Projected Start Date:
12/21/2014

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
Supporting Leverage - SL

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The \$72,000.00 in supporting leverage was used to conduct a Big Creek Drainage Study. The study was the result of the 2011 disasters. In response, Shelby County conducted a drainage study for innovative and resilient approaches to address potential future impacts from flooding along Big Creek. This study provides for baseline guidance in the design and development of the Big Creek Wetland and Restoration Greenway activity proposed in Phase 2 of the NDR application.

Location Description:

Big Creek and the Big Creek drainage basin in Northern Shelby County.

Activity Progress Narrative:

The \$72,000.00 approved as supporting leverage was used to conduct a Big Creek Drainage Study. The study was done as a result of the 2011 disasters. In response to that event, Shelby County conducted a drainage study for innovative and resilient approaches to address potential future impacts from flooding along Big Creek. This study provides for baseline guidance in the design and development of the Big Creek Wetland and Restoration Greenway activity proposed in Phase 2 of the NDR application. Total supporting leverage came to an actual expenditure of \$84,809.13.



Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

	Amount
Shelby County Government	\$72,000.00
Total Other Funding Sources	\$0.00

Project # / 8 - OV / Outcome Values - OV

Grantee Activity Number: 8-OV-01-1

Activity Title: Shelby County OV - Resilience Plan

Activity Category:

NDR - Resilience Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Outcome Values - OV

Projected End Date:

07/01/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall

Total Projected Budget from All Sources

Apr 1 thru Jun 30, 2019

N/A

To Date

\$0.00

Total Budget

\$0.00

\$0.00

Total Obligated

\$0.00

\$0.00

Total Funds Drawdown

\$0.00

\$0.00

Program Funds Drawdown

\$0.00

\$0.00

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$0.00

Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The plan will consist of two parts: a Hydraulic study of 3 major Drainage Basins in Shelby County and an overall plan that will engage the public and identify potential new resilience activities and projects that can be implemented as additional funds become available in the future. The Baseline for this outcome is 0 and will produce 1 plan which will include hydraulic models.

Location Description:

This is a Regional Plan that covers Shelby County and the Memphis MPO service area.

Activity Progress Narrative:

The plan will consist of two parts: A Hydraulic study of three major drainage basins in Shelby County and an overall plan that will engage the public and identify potential new resilience activities and projects that can be implemented as additional funds become available in the future. The Baseline for this outcome is 0 (no existing plan) and will produce one plan which will include hydraulic models. Both the Hydraulic Study and the overall Master Resilience Plan are underway and the Outcome Value will be reported when completed. The Hydraulic modeling of the three drainage basins (Nonconnah, Loosahatchie, and Wolf River) was completed in the June of 2018. The final report associated with modeling is still underway due to parts of the model being used for NDR activities. The draft will be finalized when the models are completed. The Master Resilience Plan development officially kicked-off in January and February of 2018. At the close of this quarter, the Resilience Plan was 95% complete with an anticipated completion date of August – September 2019. The next measure will occur in December of 2019, with interim reports each quarter under the activities themselves.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of resilience plans created	0	0/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



Grantee Activity Number:	8-OV-02-1
Activity Title:	South Cypress OV - Repurposed Lots

Activity Category:

NDR - Social Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This activity will repurpose flood lots for other uses within the South Cypress Creek project area. Uses at designated in the Phase 2 were classified as gardens, permanent flood plane lots, and wild lots). Lots use and accomplishments will be determined per Sasaki design of the target ares. Proposed accomplishments to be determined upon design completion. The Baseline for this outcome is 0 and will outcomes will be based on the Sasaki designs. The repurposed lots will be reported annually. 10 lots have been shown as a projection at this time based on preliminary designs.

Location Description:

South Cypress Creek Watershed Development and Neighborhood Development Project in South Memphis, Tennessee: specifically Census Tract 222.20 Block Groups 2, 3, and 4.

Activity Progress Narrative:

This activity will repurpose flood lots for other uses within the South Cypress Creek project area. Uses as designated in the Phase 2 were classified as gardens, permanent flood plain lots, and wild lots. Lots use and accomplishments will be determined per Sasaki design of the target area. Proposed accomplishments to be determined upon design completion. The Baseline for this outcome is 0 and outcomes will be based on the Sasaki designs. The re-purposed lots will be reported annually. Ten lots have been shown as a projection based on preliminary designs. The South Cypress Creek Project is still in the environmental and design phase at this time and no action has taken place which enables a measurement under this outcome value. The next measure will occur in December of 2019.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of vacant lots repurposed	0	0/10

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	8-OV-02-2
Activity Title:	South Cypress OV - Property Value Increase

Activity Category:

NDR - Economic Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The measure for this Outcome Value is a 3% cumulative increase in the assessed property values within the project neighborhood over the next five year period. The baseline for this outcome value is the 2011 property value level which was assessed at \$1,160,490.00 (appraised value of \$7,222,200) per the Shelby County Assessor. First measure of value will be in December 2017.

Location Description:

South Cypress Creek Watershed Development and Neighborhood Development Project in South Memphis, Tennessee: specifically Census Tract 222.20 Block Groups 2, 3, and 4.

Activity Progress Narrative:

The measure for this Outcome Value is a 3% cumulative increase in the assessed property values within the project neighborhood over the next five-year period. The baseline for this outcome value is the 2011 property value level which was assessed at \$1,607,765.00 (appraised value of \$7,222,200) per the Shelby County Assessor. First measure of value was in December 2017. In 2017, during the Shelby County re-appraisal process, the current assessment value of the units previously identified in the project area was \$1,001,915 (with an appraised value of \$4,479,100). While down from the 2011 assessment/appraised values, this will provide an excellent baseline for the area in the pre-development/construction phase.



In 2018, Shelby County reviewed the current assessment value of the units previously identified in the project area, which totaled \$1,001,865 (with an appraised value of \$4,470,200). While slightly down from the 2017 assessment/appraised values, it appears that the values were stable between 2017 and 2018. Given this baseline, future measurements for this outcome value should present a clear picture as to whether increases in these values can possibly be attributed to the South Cypress Creek Restoration Project once it is completed. The next measurement will take place in December 2019.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% increase in median property	0	0/3

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



Grantee Activity Number: 8-OV-02-3
Activity Title: South Cypress OV - Restoration of Cypress Creek

Activity Category:
 NDR - Environmental Value

Project Number:
 8 - OV

Projected Start Date:
 12/21/2016

Benefit Type:
 ()

National Objective:
 NA

Activity Status:
 Planned

Project Title:
 Outcome Values - OV

Projected End Date:
 06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
 Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This Outcome Value Activity will lead to 3000 feet of stream restoration in the Cypress Creek Watershed and Neighborhood. The current baseline is 0 since no stream restoration has occurred at this time. The total feet of stream restored will be reported upon completion of the project with interim feet record when possible each quarter.

Location Description:

South Cypress Creek Watershed Development and Neighborhood Development Project in South Memphis, Tennessee: specifically Census Tract 222.20 Block Groups 2, 3, and 4.

Activity Progress Narrative:

This Outcome Value Activity will lead to 3000 feet of stream restoration in the Cypress Creek Watershed and Neighborhood. The current baseline is 0 since no stream restoration has occurred at this time. The total feet of stream restored will be reported upon completion of the project with interim feet recorded when possible each quarter. The South Cypress Creek Project is still in the environmental and design phase at this time and no action has taken place which enables a measurement under this outcome value. The next measure will occur in December of 2019.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# linear feet of streams	0	0/3000

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	8-OV-02-4
Activity Title:	South Cypress OV - Reduced Floodplain Occupancy

Activity Category:

NDR - Resilience Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Through a visual survey, a baseline number of units in the 100 year floodway will be identified. The number will be monitored as the South Cypress Creek Project progresses with a ultimate target outcome of having 0 lots in the neighborhood located in the 100 year flood plain. The baseline for this activity is 20 units currently in the floodway as identified by the use of flood maps and a visual survey.

Location Description:

South Cypress Creek Watershed Development and Neighborhood Development Project in South Memphis, Tennessee: specifically Census Tract 222.20 Block Groups 2, 3, and 4.

Activity Progress Narrative:

The baseline for this activity is 20 units currently in the floodway as identified using flood maps and a visual survey. The South Cypress Creek Project is still in the environmental and design phase now and no action has taken place which enables a measurement under this outcome value. The next measure will occur in December of 2019.

Accomplishments Performance Measures

This Report Period	Cumulative Actual Total / Expected
Total	Total



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Grantee Activity Number:	8-OV-03-1
Activity Title:	Wolf River OV - Increased Greenway Use

Activity Category:

NDR - Social Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This outcome value anticipated increase from no current use to an average daily use of the Wolf River Wetland and Restoration Greenway of 200 individuals. This will include individuals who walk, run, bike, etc. along the system. The current baseline of this value is 0 since the trail is not complete. Reporting on this activity will occur annually.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West.

Activity Progress Narrative:

This outcome value anticipates an increase from no current use to an average daily use of the Wolf River Wetland and Restoration Greenway by 200 individuals. This will include individuals who walk, run, or bike. along the system. The current baseline of this value is 0 since the trail is not complete. Reporting on this activity will occur annually. At this time, the Wolf River Greenway Project and the activities associated with it are still in the environmental review and design stage. Therefore, no measurements on this outcome value are available for reporting for trail usage. The next measure will occur in December of 2019.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of users of trail system	0	0/200

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	8-OV-03-2
Activity Title:	Wolf River OV - Attracting New Business

Activity Category:
NDR - Economic Value

Project Number:
8 - OV

Projected Start Date:
12/21/2016

Benefit Type:
()

National Objective:
Low/Mod

Activity Status:
Planned

Project Title:
Outcome Values - OV

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This outcome values project to attract new businesses to the area as the project moves forward to completion at an estimate of 2 per year. The current base line is 0 and the measure of new businesses opening in the area will be measured annually. The value is to be reviewed annually. The first measure will occur in December 2017.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West and new businesses generated within 1/2 mile of this area.

Activity Progress Narrative:

The Wolf River Greenway Project falls within zip codes 38127 and 38128. While this outcome value is based on new businesses who choose to locate within the project area upon completion of the project, Shelby County is working to create a baseline that establishes a pre-development guide for businesses within the ½ mile radius. At the close of December 2017, there were 1,519 businesses identified within a ½ mile radius of the Wolf River Greenway Project Area as previously reported. As of December 2018, Shelby County had identified some 6,900 businesses licensed within zip codes 38127 and 38128 area; but recent changes in the County Clerk’s office had temporarily limited the ability to map only those within ½ mile of the project area. At the close of the December reporting period, Shelby County was in the process of obtaining addresses, mapping and coding these business by their addresses to identify the exact number of business located within the ½ mile radius.



This number of businesses within the ½ mile radius of the project will be reported once access to property addresses by business permit is fully accessible through the Shelby County Clerk’s Office as the project within the target area as the Wolf River Project moves toward completion.

Accomplishments Performance Measures

	This Report Period Total	Cumulative Actual Total / Expected Total
# of new businesses locating	0	0/2

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



Grantee Activity Number:	8-OV-03-4
Activity Title:	Wolf River OV - Flood Cost Reduction

Activity Category:
NDR - Resilience Value

Project Number:
8 - OV

Projected Start Date:
12/21/2016

Benefit Type:
()

National Objective:
NA

Activity Status:
Planned

Project Title:
Outcome Values - OV

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Upon completion of the project, this outcome value projects a minimum of \$5,000 in flood damage to the infrastructure of the Rodney Baber due to floodwaters. The measure will be made annually based on flooding in the project area. The baseline for this outcome is the the 2011 damage to Rodney Barer Park in 2011 which was \$66,000. The first annual report is in December 2017.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West.

Activity Progress Narrative:

Upon completion of the project, this outcome value projects a minimum of \$5,000 in flood damage to the infrastructure of the Rodney Baber Park due to floodwaters. The measure will be made annually based on flooding in the project area. The baseline for this outcome is the 2011 damage to Rodney Baber Park in 2011 which was \$66,000. The first annual report was completed in December 2017. At this time, the Wolf River Greenway Project and the activities associated with it are still in the environmental review and design stage. Therefore, no measurements on this outcome value are available for reporting for Rodney Baber Park damage. No changes to the park have taken place at this time. The next measure will occur in December of 2019.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
\$ estimated flood loss	0	66000/5000

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Grantee Activity Number:	8-OV-04-1
Activity Title:	Big Creek OV - Increased Greenway Use

Activity Category:

NDR - Social Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This outcome value anticipates a use of the new trail system increase in the utilization of greenways and biking trails resulting from the activity. The current base line is 0 with no system in place and will be measured annually as the project moves to completion. The projected use of the system upon completion is an average of 50 users a day. The first measurement will occur in December 2017. The responsible entity for measurement will be the City of Millington/Millington Parks Department.

Location Description:

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West.

Activity Progress Narrative:

This outcome value anticipates a use of the new trail system increase through increased patronage and utilization of greenways and biking trails resulting from the activity. The current base line is 0 with no system in place and will be measured annually as the project moves to completion. The projected use of the system upon completion is an average of 50 users per day. The first measurement occurred in December 2017. The responsible entity for measurement will be the City of Millington/Millington Parks Department. In 2018, the trail system and designs for the Big Creek Project were still under environmental review and design. Therefore, the baseline in 2018 remained at 0. The next report on this outcome value will occur in December 2019.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of users of trail system	0	0/50

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	8-OV-04-2
Activity Title:	Big Creek OV - Increased Housing Value

Activity Category:
NDR - Economic Value

Project Number:
8 - OV

Projected Start Date:
12/21/2016

Benefit Type:
()

National Objective:
NA

Activity Status:
Planned

Project Title:
Outcome Values - OV

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The outcome value projects an increase in the value of building permits pulled in the Millington community of \$1,500,000 for rehabilitation and/or new construction of housing stock by the end of the project. The baseline for this value was the value and number of permits issued in Millington for 2015 which was \$606,638.10 in permit value and 62 permits issues. The Increase in value of housing stock will be measured annually. with the first measurement occurring in December 2016. The Division of Planning and Development is responsible for this measurement. The first report on this value will take place in December 2017.

Location Description:

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West. The Millington community is identified as the metric to be used for the measurement.

Activity Progress Narrative:

The outcome value projects an increase in the value of building permits pulled in the Millington community of \$1,500,000 for rehabilitation and/or new construction of housing stock by the end of the project. The baseline for this outcome value was the total permit dollar value and number of permits issued in Millington for 2015 which totaled \$606,638.10 in permit value and 62 permits issued. The increase in value of housing permits will be measured annually with the first measurement having occurred in December 2017. The Division of Planning and Development is responsible for this measurement. According to Shelby County Code Enforcement, there were 25 housing building permits issued for rehabilitation



and new construction in 2017 within the Millington Community. These permits totaled \$1,453,062.23. While the number of permits in 2017 was down from the baseline in 2015, the value of the permits issued more than doubled in 2017 (from \$606,618.10 in 2016 to \$1,453,062.23). The next measurement will be documented in December 2018. In 2018, Shelby County Code Enforcement showed that there were 33 housing building permits issued for rehabilitation and new construction within the Millington Community (up 8 from 2017). These permits totaled \$1,020,174.44 (down \$432,887.79 from 2017). While the number of permits in 2018 increased the value of the permits was down from 2018; however still well above the baseline in 2015. The permit values measurement will be based on permits issued after completion of the project; however, this information provides a good indicator of annual development in Millington as of the end of 2018. The next measurement will be documented in December 2019.

Accomplishments Performance Measures

	This Report Period Total	Cumulative Actual Total / Expected Total
\$ value of redevelopment	0	606638/15000

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	8-OV-04-3
Activity Title:	Big Creek OV -Tree Mitigation

Activity Category:
NDR - Environmental Value

Activity Status:
Planned

Project Number:
8 - OV

Project Title:
Outcome Values - OV

Projected Start Date:
12/21/2016

Projected End Date:
06/15/2022

Benefit Type:
()

Completed Activity Actual End Date:

National Objective:
NA

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Tree mitigation will take place over 400 acres of land to insure that there is no loss of the tree canopy due to the overall development of the Big Creek Project. The baseline for this value is 0 in that no trees have been removed from the project area. The planting acreage will be measured annually with the first measurement occurring in December 2017. Shelby County Public Works is responsible for this measurement.

Location Description:

The Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West. Tree mitigation will occur throughout the Millington community to insure that there is no loss to the overall tree canopy.

Activity Progress Narrative:

Tree mitigation will take place over 400 acres of land to insure there is no loss of the tree canopy due to the overall development of the Big Creek Project. The baseline for this value is 0 in that no trees have been removed from the project area. The planting acreage will be measured annually with the first measurement occurring in December 2017. Shelby County Public Works is responsible for this measurement. During 2018, no tree planting occurred. As of 2018, no trees have been lost due to NDR projects and the actual tree planting activity is being included as a part of the environmental review and design which is under way for the Big Creek Project. The next measure will occur in December of 2019.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# acres successfully reforested	0	0/400

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	8-OV-04-4
Activity Title:	Big Creek OV - Decreased Flood Damage

Activity Category:
NDR - Resilience Value

Project Number:
8 - OV

Projected Start Date:
12/21/2016

Benefit Type:
()

National Objective:
NA

Activity Status:
Planned

Project Title:
Outcome Values - OV

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This outcome value estimates that upon completion of the project Millington can avoid an anticipated \$60,000,000 in flood damage costs and reduce its flood pump operation hours by 20% over the 2010 and 2011 damage. The baseline is a total of \$233 million in damages and 20 hours of flood pump operation. While this cannot truly be assessed until the project is complete and a comparable flood occurs, these metrics will be monitored annually with the first occurring in December 2017.

Location Description:

The Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West. Tree evaluation will occur throughout the Millington community.

Activity Progress Narrative:

This outcome value estimates that upon completion of the project Millington can avoid an anticipated \$60,000,000 in flood damage costs and reduce its flood pump operation hours by 20% over the 2010 and 2011 damage. The baseline is a total of \$233 million in damages and 20 hours of flood pump operation. While this cannot truly be assessed until the project is complete and a comparable flood occurs. These metrics will be monitored annually with the first having occurred in December 2017. During 2017 Millington experienced no flooding due to disasters, which resulted in no measurement for loss due to flood damage or the operation of the flood pumps to address flooding issues in the community. During 2018, Millington experienced no flooding due to disasters. This resulted in no measurement for loss due to flood damage or the operation of the flood pumps to address flooding issues in the community. The next measure will occur in December of 2019.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
\$ estimated value of flood loss	0	233000000/60

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	
