

# Grantee: Shelby County, TN

## Grant: B-13-US-47-0002

### January 1, 2020 thru March 31, 2020 Performance

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

#### **Key Agencies, Partners, Positions, Personnel:**

ct 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 WtnRstrtoPoet.Tesdsgsnspwlvveoraogns;iCeeadwilfcuowtadrstrtndvlp

**Key Agencies, Partners, Positions, Personnel:**

t of proposed amenities, and the interconnectedness of public access throughout the development.

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

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

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

9. Similar to UHI, Habitat for Humanity of Greater Memphis (HFHGM) is a nonprofit housing ministry dedicated to eliminating substandard housing from the city of Memphis and surrounding areas, while making decent housing for all people a matter of conscience and action. Identified as a partner in Phase 2 of the NDR competition, HFHGM will play a role in the implementation of Phase 3 by providing one or more of the following: homebuyer education, counseling, housing repairs, and/or new construction. Inthisrole, HFHGMwill workcloselywithShelbyCounty andUHI tocarryoutactivities to stabilize and enhance the living environment within

**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 it resilience efforts through the Hydraulic study portion of the Resilience Plan. CAESAR will continue to provide assistance to Shelby County through its applied research, education, and leadership in sustaining community ground water resources, analysis and creation of GIS databases, and tools designed to anticipate and provide solutions to reduce the effect of risk when a flooding occurs.

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

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

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

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

Overall	This Report Period	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$140,165,341.00
<b>Total Budget</b>	\$0.00	\$60,445,162.00
<b>Total Obligated</b>	\$0.00	\$60,445,162.00
<b>Total Funds Drawdown</b>	\$990,430.50	\$7,889,772.28
<b>Program Funds Drawdown</b>	\$990,430.50	\$7,889,772.28



<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$990,430.50	\$7,889,772.28
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

## Progress Toward Required Numeric Targets

<b>Requirement</b>	<b>Target</b>	<b>Actual</b>
<b>Overall Benefit Percentage (Projected)</b>		74.85%
<b>Overall Benefit Percentage (Actual)</b>		44.01%
<b>Minimum Non-Federal Match</b>	\$0.00	\$0.00
<b>Limit on Public Services</b>	\$9,066,774.45	\$0.00
<b>Limit on Admin/Planning</b>	\$12,089,032.60	\$2,686,969.19
<b>Limit on Admin</b>	\$0.00	\$759,949.39
<b>Most Impacted and Distressed Threshold (Projected)</b>	\$0.00	\$0.00

## Overall Progress Narrative:

NOTE: AS OF MARCH 23, 2020, ALL CDBG-NDR STAFF WERE TELECOMMUTING AND COVID-19 PROTOCOLS HAD BEEN ESTABLISHED FOR LOCAL GOVERNMENT AND MOST OF THE PUBLIC AND PRIVATE SECTOR LOCALLY. MEMPHIS, SHELBY COUNTY, AND OTHER LOCAL MUNICIPAL GOVERNMENTS HAD ISSUED "SAFER IN PLACE" ORDINANCES AS HAD THE STATE OF TENNESSEE. SOME PROJECTIONS FOR THIS SHELTER IN PLACE POLICY INDICATE THAT THIS "NEW NORMAL MAY LAST THROUGH THE END OF MAY 2020 (OR THROUGH MID-JUNE) HERE IN SHELBY COUNTY. WITH ONLY ESSENTIAL EMPLOYEES REPORTING TO WORK, THIS COULD LEAD TO DELAYS IN THE START OF SOME PROJECTS, ESPECIALLY IN THE AREA OF CONSTRUCTION SINCE MOST OF THE PUBLIC, PRIVATE, AND NON-PROFIT BUSINESSES ARE IMPLEMENTING "SAFER AT HOME" AND "SHELTER IN PLACE" PROTOCOLS. FUTURE QPR'S (STARTING WITH THE APRIL -JUNE 2020 QPR)WILL REFLECT ANY ISSUES RELATED TO THE IMPACT OF COVID-19 AND STATE AND LOCAL PROTOCOLS.

During the reporting period between January 1, 2020 to March 31, 2020, Shelby County moved the NDR program forward by continuing to carryout activities under: (1) beginning to implement project designs for the major NDR activities (South Cypress Creek, Wolf River Wetland and Restoration Greenway, and Big Creek Wetland and Recreation Area), (2) move forward toward construction of the Phase 6, Phase 7, Phase 8 Bridge Fence and Phase 10A of the Wolf River Greenway activity, (3) coordinate efforts associated with the Mid-South Regional Resilience Master Plan , and (4) continue the overall administration of the NDR Grant.

More specifically, activity took place directly associated with -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). Results of continued planning efforts that grew out of the completed activities 1-NDR-01 (Regional Resilience Plan) and 1-NDR-02 (Hydraulic Modeling) and described under 5-NDR-01 Administration and will continue to be reported there throughout the grant to show the value that these grant funded activities continue to serve for the County beyond the simple completion goals.

As of March 31, 2020, Shelby County had drawn down\$990,430.50in grant funds from DRGR for the reporting period of January – March 2020. When combined with the \$6,899,341.78 drawn during the previous reporting periods, Shelby County had drawn down a total of \$7,889,772.28 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.The final payment for the Hydraulic Modeling activity was drawn in DRGR in early January 2020. The total amount of funds drawn for the Hydraulic Modeling activity came to \$1,296,569.15. The balance of \$3,430.21 will be moved into the administration activity for the balance of the grant. This move will not require any form of substantial amendment to the grant.

1. 2. Under the Regional Resilience Plan, final payment for the plan was made and drawn down in DRGR. The complete Mid-South Regional Resilience Master Plan was placed on the ResilntShelby.com website and can be viewed in its entirety. The total amount of funds drawn for the Mid-South Regional Resilience Plan came to \$500,000.00 for the Plan itself with \$130,450.65 expensed for NDR's planning staff to date. The NDR planning staff will conclude internal planning activities on the completed plan by the end of the next quarter (June 2020) and final planning expenses will be drawn. Starting in July 2021 the balance of planning funds will be moved to grant administration for the implementation and construction phase of the grant starting July 1, 2020. This move will not require any form of substantial amendment to the grant.

1. 3. At the close of 2019, the County was still awaiting notification that project funds would be released by HUD for use. During the reporting period, Shelby County officially received the Authorization to Use Grant Funds mid-February (Release of Funds). More details on this activity are provided under the narrative for Activity # 2-NDR-06. NOTE: This activity falls within the current COVID-19 protocols.

1. 4. During the quarter, Shelby County continued to move forward by preparing to issue bids for the construction of the Wolf River Wetland and Restoration Project. At the close of the quarter, bid books and construction estimates had been completed and construction designs for Rodney Baber Park and Kennedy Park had been reviewed for completion. Orchi Road was in the final review process. Bids on construction were being prepared for release in the second quarter of 2020, with bid awards anticipated for the Summer of 2020. NOTE: This activity falls within the current COVID-19 protocols.

1. 5. Under the Greenway construction activity (3-NDR-07), the bridge fence component of Phase 8 and Phase 10A of the Greenway, Shelby County began the process of construction start up. During the first quarter of 2020, Phase 10A was officially awarded to ViktorHall in an amount of \$1,595,514.00 and a Notice to Proceed was issued in March 2020 with a projected start date of April 8th, 2020. In addition, the County Commission also approved SOL Engineering for CEI monitoring of Phase 10A for a contract in the amount of \$240,000.00 which falls under 3-NDR-07 with a projected start date of mid-April 2020.

During the quarter, a notice for the receipt of bids was issued for appraisals associated with the Big Creek Project: Phase/Area 1, Phase/Area 2, and Phase/Area 3 for the acquisition of property on the project. Additionally, construction details, bid books and construction cost estimates were prepared to issue bids on Phase 1 of the Big Creek Project during the second quarter of 2020. moved toward the issuance of bids for the construction of Phase 1 of the project.

More detailed actions and accomplishments for each specific NDR activity are provided under each activity narrative within this QPR. In conclusion, to summarize completed activities to date along with previously reported long-term commitments 6-LTC-01 – GREENPRINT, 6-LTC-02 – LONG TERM COMMITMENT -WOLF RIVER CONSERVANCY, 6-LTC-03 – GREENPRINT- READY SHELBY, 6-LTC-04 – GREENPRINT – MEMPHIS PROJECT DELIVERY MANUAL are all complete as was meeting the expenditure for supporting leverage identified under 7-SL-01 - GREENPRINT IMPLEMENTATION AND STAFF SUPPORT, 7-SL-03 – MAIN-TO MAIN MULTIMODEL CONNECTOR (BIG RIVER CROSSING), 7-SL-05 – BIG CREEK DRAINAGE STUDY. Shelby County continues to monitor other direct leverage and outcome values (which cannot be fully reported on until the projects are complete).

## Project Summary

Project #, Project Title	This Report	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown
1 - NDR, Regional Resilience Plan - NDR	\$46,152.13	\$2,100,000.00	\$1,927,019.80
2 - NDR, South Cypress Creek Watershed & Neighborhood	\$343,146.51	\$8,988,097.00	\$1,387,690.25
3 - NDR, Wolf River Wetland & Restoration Greenway -	\$111,101.50	\$18,260,842.00	\$2,066,896.54
4 - NDR, Big Creek Wetland & Recreation Area - NDR	\$390,009.50	\$29,447,227.00	\$1,748,216.30
5 - NDR, Administration - NDR	\$100,020.86	\$1,648,997.00	\$759,949.39
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:**

12/31/2019

**National Objective:**

Urgent Need

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$1,300,000.00
<b>Total Budget</b>	\$0.00	\$1,300,000.00
<b>Total Obligated</b>	\$0.00	\$1,300,000.00
<b>Total Funds Drawdown</b>	\$5,243.36	\$1,296,569.15
<b>Program Funds Drawdown</b>	\$5,243.36	\$1,296,569.15
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$5,243.36	\$1,296,569.15
Shelby County Government2	\$5,243.36	\$1,296,569.15
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

Final payment for this activity was drawn down in DRGR and the activity was reported as complete in the previous reporting period for October – December 2019. Future results of any continued Hydraulic Modeling efforts which grow out of; or are built upon, the activity will continue to be reported under 5-NDR-01 Administration throughout the grant to show the value that this grant funded activity continues to serve for the County.



Shelby County will move remaining \$ 3,430.85 in funds under 1-NDR-01 Hydraulic Modeling into 5-NDR-01 at the close of this Shelby County Fiscal Year (June 30, 2020). This movement of funds does not require the submission of a substantial amendment under the NDR grant.

### Accomplishments Performance Measures

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

### Activity Supporting Documents

Document	
1-NDR-01	\$5,243.36 October - December 2019.pdf

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**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:**

12/31/2019

**National Objective:**

Urgent Need

**Responsible Organization:**

Shelby County Government2

**Overall**

**Total Projected Budget from All Sources**

**Jan 1 thru Mar 31, 2020**

N/A

**To Date**

\$800,000.00

**Total Budget**

\$0.00

\$800,000.00

**Total Obligated**

\$0.00

\$800,000.00

**Total Funds Drawdown**

\$40,908.77

\$630,450.65

**Program Funds Drawdown**

\$40,908.77

\$630,450.65

**Program Income Drawdown**

\$0.00

\$0.00

**Program Income Received**

\$0.00

\$0.00

**Total Funds Expended**

\$40,908.77

\$630,450.65

Shelby County Government2

\$40,908.77

\$630,450.65

**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:**

While the Regional Master Plan document itself is complete, internal planning associated with coordinating the plan with the NDR grant will continue until June 30, 2020. This only relates to the internal staff's planning activity. The final payment on the Regional Resilience Master Plan (the completed document itself) was drawn in DRGR and the full Mid-South Regional Resilience Master Plan (RRMP) was placed on the ResilientShelby.com website providing access to the document by the public. The MRRP itself was reported as complete in the previous reporting period for October – December 2019. Future results of any continued RRMP efforts which grow out of, or are built upon the activity, will continue to be reported under 5-NDR-01 Administration throughout the grant to show the value that this grant funded activity continues to serve for the Mid-South community.





## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Plans or Planning Products	0	1/1
# of community engagement	0	9/9

## 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

<b>Document</b>	1-NDR-02 \$18,053.17 January - February 2020.pdf
<b>Document</b>	1-NDR-02 \$22,855.60 October - December 2019.pdf
<b>Document</b>	Memphis Area Climate Action Plan 2019 FINAL_4_JANUARY 2020.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**

**Total Projected Budget from All Sources**

**Total Budget**

**Jan 1 thru Mar 31, 2020**

N/A

\$0.00

**To Date**

\$1,320,500.00

\$1,320,500.00



<b>Total Obligated</b>	\$0.00	\$1,320,500.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

During the reporting period, Shelby County officially received the Authorization to Use Grant Funds (Release of Funds) dated February 5, 2020 in mid-February. There was a delay of approximately 4 months in the receipt of the Authorization to Use Grant funds due to concerns voiced by area residents and a petition of complaint sent to both HUD and Shelby County when the FONSI/RROF was published in October 2019. Upon examination of all documentation and approval of all activities conducted, Shelby County was provided by HUD the Authorization to Use Grant funds and was able to move forward with the project. As of March 2020, Shelby County was again moving forward with finalizing project requirements to move forward on the implementation and construction of the project. NOTE: This activity falls within the current COVID-19 protocols.

**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	



## Activity Supporting Documents

**Document** South Cypress Creek - HUD\_Authorization to Use Grant Funds.pdf

---



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

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$2,038,736.00
<b>Total Budget</b>	\$0.00	\$2,038,736.00
<b>Total Obligated</b>	\$0.00	\$2,038,736.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

During the reporting period, Shelby County officially received the Authorization to Use Grant Funds (Release of Funds) dated February 5, 2020 in mid-February. There was a delay of approximately 4 months in the receipt of the Authorization to Use Grant funds due to concerns voiced by area residents and a petition of complaint sent to both HUD and Shelby County when the FONSI/RROF was published in October 2019. As of March 2020, Shelby County was again moving forward with finalizing project requirements to move forward on the implementation and construction of the project. NOTE: This activity falls within the current COVID-19 protocols.

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

### Activity Supporting Documents

**Document** South Cypress Creek - HUD\_Authorization to Use Grant Funds.pdf

---

**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

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2020</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$450,000.00
<b>Total Budget</b>	\$0.00	\$450,000.00
<b>Total Obligated</b>	\$0.00	\$450,000.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

During the reporting period, Shelby County officially received the Authorization to Use Grant Funds (Release of Funds) dated February 5, 2020 in mid-February. There was a delay of approximately 4 months in the receipt of the Authorization to Use Grant funds due to concerns voiced by area residents and a petition of complaint sent to both HUD and Shelby County when the FONSI/RROF was published in October 2019. Upon thorough examination all approvals were provided and it was confirmed all necessary steps were taken in the process by Shelby County. As of March 2020, Shelby County was again moving forward with finalizing project requirements to move forward on the implementation and construction of the project. NOTE: This activity falls within the current COVID-19 protocols.



## 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	

## Activity Supporting Documents

**Document** South Cypress Creek - HUD\_Authorization to Use Grant Funds.pdf

---

<b>Grantee Activity Number:</b>	<b>2 - NDR - 04</b>
<b>Activity Title:</b>	<b>Property Acquisitions</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$1,901,678.00
<b>Total Budget</b>	\$0.00	\$1,901,678.00
<b>Total Obligated</b>	\$0.00	\$1,901,678.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

During the reporting period, Shelby County officially received the Authorization to Use Grant Funds (Release of Funds) which was dated February 5, 2020. Once the Authorization to use grant funds was received, Shelby County moved forward entering into a sub-recipient agreement with the Memphis Housing Authority to assist with Acquisition and Relocation efforts. Between mid-February and the end of March, a Resolution was drafted that allocated the budgeted \$1.9 million in CDBG-NDR funds for Acquisition and Relocation efforts in the project area. The Resolutions was submitted to the Shelby County Board of Commissioners for approval. The Resolution is expected to pass the Commission and be signed by the Mayor during the second quarter of 2020. It will go before the Commission's Public Works Committee on April 1, 2020 and is expected to before the entire Commission for approval at their meeting on April 6, 2020.

NOTE: This activity falls within the current COVID-19 protocols.





## 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

## Activity Supporting Documents

**Document** South Cypress Creek - HUD\_Authorization to Use Grant Funds.pdf

---

<b>Grantee Activity Number:</b>	<b>2 - NDR - 05</b>
<b>Activity Title:</b>	<b>New Housing Development</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$1,512,500.00
<b>Total Budget</b>	\$0.00	\$1,512,500.00
<b>Total Obligated</b>	\$0.00	\$1,512,500.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

During the reporting period, Shelby County officially received the Authorization to Use Grant Funds (Release of Funds) which was dated February 5, 2020. As noted in past QPRs, under this activity, Shelby County will not be carrying out activities involving 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. As activity 2-NDR-04 moves forward for the acquisition and relocation of property associated with the project, this activity will be updated. Should an individual owner wish to take advantage of this opportunity this activity would begin and run parallel with the voluntary sale of their property.

If none of the individuals from whom property is acquired wishes to remain in the community once their home is sold, these funds will be reallocated to existing South Cypress Creek initiatives. By keeping the funds in the



same project and utilizing said funds for activities already authorized in the CDBG-NDR grant, no substantial amendment to the grant would be required as set forth by the Citizens Participation Plan for Shelby County. NOTE: This activity falls within the current COVID-19 protocols or "Safer at Home" and "Shelter in Place".

### 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

### Activity Supporting Documents

**Document** South Cypress Creek - HUD\_Authorization to Use Grant Funds.pdf

---

<b>Grantee Activity Number:</b>	<b>2 - NDR - 06</b>
<b>Activity Title:</b>	<b>Engineering and Testing</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$1,764,683.00
<b>Total Budget</b>	\$0.00	\$1,764,683.00
<b>Total Obligated</b>	\$0.00	\$1,764,683.00
<b>Total Funds Drawdown</b>	\$343,146.51	\$1,387,690.25
<b>Program Funds Drawdown</b>	\$343,146.51	\$1,387,690.25
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$343,146.51	\$1,387,690.25
Shelby County Government2	\$343,146.51	\$1,387,690.25
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

During quarter, HUD finalized its review of Shelby County's Environmental Assessment and responded via mail to the individuals who had previously submitted comments contesting HUD's Release of Funds for the project. As a result of the completion of HUD's review of the local citizen responses to the FONSI/RROF (which included the completed Environmental Review, the Finding of No Significant Impact (FONSI), and the Request for Release of Funds (RROF) sent to HUD in October 2019); the receipt of Authorization to Use Grant Funds dated February 5, 2020 was received shortly thereafter in mid-February and Shelby County began the process of moving closer to beginning construction of the South Cypress Creek Project that will help address flood issues in the neighborhood.

During the quarter, other activities under 2-NDR-06 included meetings with key State of Tennessee agencies, development and processing of the ARAP Permit application to the State (TDEC) for the project and



continuation of securing all permits and approvals that will move the project into the implementation/construction stage. This activity falls within the current COVID-19 protocols or "Safer at Home" and "Shelter in Place".

### 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 \$274,351.00 October - December 2019.pdf
- Document** 2-NDR-06 \$68,795.51 January - February 2020.pdf
- Document** South Cypress Creek - HUD\_Authorization to Use Grant Funds.pdf
- Document** South Cypress Creek Part-58-EA-Format FINAL SIGNED 083019.pdf
- Document** HUDs-Response To South Cypress Creek Objections.pdf
- Document** 2020-01-04\_Client Progress Meeting\_Agenda.docx
- Document** 2020-02-04\_South Cypress Creek Team Meeting Agenda.pdf
- Document** 2020-03-03\_South Cypress Creek Team Meeting Agenda.docx

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

<b>Grantee Activity Number:</b>	<b>3 - NDR -01</b>
<b>Activity Title:</b>	<b>Orchi Road Complete Street - Infrastructure &amp; Cons</b>

**Activity Category:**  
Construction/reconstruction of streets

**Project Number:**  
3 - NDR

**Projected Start Date:**  
04/01/2019

**Benefit Type:**  
Area ( )

**Activity Status:**  
Planned

**Project Title:**  
Wolf River Wetland & Restoration Greenway - NDR

**Projected End Date:**  
05/01/2021

**Completed Activity Actual End Date:**

**National Objective:**

Low/Mod

**Responsible Organization:**

Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2020</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$1,151,549.00
<b>Total Budget</b>	\$0.00	\$1,151,549.00
<b>Total Obligated</b>	\$0.00	\$1,151,549.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

The acquisition of right of way easements along Orchi Road has begun and a timeline is under development to begin the process of issuing bids on the project. Actual construction of the Wolf River Wetland and Restoration Greenway Project is expected to begin in late spring to early summer of 2020. Construction along Orchi Road will follow the start of construction on Rodney Baber Park, Kennedy Park, and the Greenway (see activities 3-NDR-02, 3-NDR-03, and 3-NDR-07). This activity falls within the current COVID-19 protocols or "Safer at Home" and "Shelter in Place."

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b># of Linear feet of Public</b>	0	0/1000
<b># of Linear miles of Public</b>	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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$1,688,645.00
<b>Total Budget</b>	\$0.00	\$1,688,645.00
<b>Total Obligated</b>	\$0.00	\$1,688,645.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

During the quarter, Shelby County finalized designs on the Wolf River Wetland & Restoration Greenway. Construction designs were finalized, construction bid books were designed, and detailed construction cost estimates were developed for the activity. At the close of the quarter, Shelby County was preparing to issue bids on the activity in the second quarter of 2020. Bids are scheduled to be released in April 2020 and construction contracts for the Rodney Baber Park activity are expected to be issued in mid-to end of the summer of 2020. This activity falls within the current COVID-19 protocols or “Safer at Home” and “Shelter in Place”.





## 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
# of Linear feet of green public	0	0/2500

## 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

---

<b>Grantee Activity Number:</b>	<b>3 - NDR -03</b>
<b>Activity Title:</b>	<b>Kennedy Park - Infrastructure &amp; Construction</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$436,586.00
<b>Total Budget</b>	\$0.00	\$436,586.00
<b>Total Obligated</b>	\$0.00	\$436,586.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

During the quarter, Shelby County finalized designs on the Wolf River Wetland & Restoration Greenway. Construction designs were finalized, construction bid books were designed, and construction cost estimates were developed for the activity. At the close of the quarter, Shelby County was preparing to issue bids on the activity in the second quarter of 2020. Bids are scheduled to be released in April 2020 and construction contracts for the Kennedy Park activity are expected to be issued in mid-to end of the summer of 2020. This activity falls within the current COVID-19 protocols or "Safer at Home" and "Shelter in Place".



## 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

---

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

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$3,929,985.00
<b>Total Budget</b>	\$0.00	\$3,929,985.00
<b>Total Obligated</b>	\$0.00	\$3,929,985.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

This activity parallels the construction and development of Rodney Baber Park (3-NDR-02) and Kennedy Park (3-NDR-03). Both projects had moved toward the release of bids for the construction of the project during the second quarter of 2020. 3-NDR-04 will begin alongside both of those activities. Actual bids are anticipated to be issued in the next quarter (April - May) of 2020 and construction contracts for the Wolf River Project are expected to be by the end Summer of 2020. This activity falls within the current COVID-19 protocols or "Safer at Home" and "Shelter in Place".

**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

---

<b>Grantee Activity Number:</b>	<b>3 - NDR -05</b>
<b>Activity Title:</b>	<b>Engineering and Testing</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$1,941,677.00
<b>Total Budget</b>	\$0.00	\$1,941,677.00
<b>Total Obligated</b>	\$0.00	\$1,941,677.00
<b>Total Funds Drawdown</b>	\$108,276.50	\$1,164,726.50
<b>Program Funds Drawdown</b>	\$108,276.50	\$1,164,726.50
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$108,276.50	\$1,164,726.50
Shelby County Government2	\$108,276.50	\$1,164,726.50
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

During the quarter, Shelby County focused on ensuring that engineering designs have been completed, construction bid books for the balance of the Wolf River Greenway Project (specifically construction activities associated with 3-NDR-01, 3-NDR-02, 3-NDR-03, 3-NDR-04, and 3-NDR-06) were complete, and cost estimates for the activities were developed. By the close of the quarter, the activity had reached the point where Shelby County was preparing to release bids on both Rodney Baber Park and Kennedy Park in April of 2020. This activity falls within the current COVID-19 protocols or "Safer at Home" and "Shelter in Place".



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	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 \$53,052.00 January - February 2020.pdf
Document	3-NDR-05 \$55,224.50 October - December 2019.pdf
Document	Wolf River Greenway Meeting Agenda_ 2-04-2020.pdf

---

<b>Grantee Activity Number:</b>	<b>3 - NDR -06</b>
<b>Activity Title:</b>	<b>Property Acquisition</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$112,400.00
<b>Total Budget</b>	\$0.00	\$112,400.00
<b>Total Obligated</b>	\$0.00	\$112,400.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 of the close of the quarter and the final designs of the Engineering on the project, the purchase of the property for the Wolf River Project should not be necessary as an independent activity. Shelby County still plans to move these funds to another existing activity within the Wolf River Greenway Project. This will be determined as bids for the other major activities for the Wolf River Wetland & Restoration Greenway are submitted. By keeping the funds in the exact same project and utilizing them for activities authorized in the CDBG-NDR grant, no substantial amendment to the grant would be required as set forth by the Citizens Participation Plan for Shelby County. NOTE: This activity falls within the current COVID-19 protocols or "Safer at Home" and "Shelter in Place".





## 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	

---

<b>Grantee Activity Number:</b>	<b>3 - NDR -07</b>
<b>Activity Title:</b>	<b>Wolf River Greenway - Infrastructure &amp; Constructio</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$9,000,000.00
<b>Total Budget</b>	\$0.00	\$9,000,000.00
<b>Total Obligated</b>	\$0.00	\$9,000,000.00
<b>Total Funds Drawdown</b>	\$2,825.00	\$902,170.04
<b>Program Funds Drawdown</b>	\$2,825.00	\$902,170.04
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$2,825.00	\$902,170.04
Shelby County Government2	\$2,825.00	\$902,170.04
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

Under the greenway construction activity (3-NDR-07), the Phase 8 Bridge Fence (Wagner General Construction \$129,271.80) component and Phase 10A (ViktorHall for \$1,595,514.00) of the Greenway both had contracts officially awarded to them during the quarter. Additionally, SOL Engineering, LLC was issued a contract for \$240,000.00 to carry out CEI Services for Phase 10A under the activity.

Under Phase 6 of the Greenway, Shelby County moved forward with the process of acquiring easements needed to construct the greenway from Hollywood Street to Douglas Park. At the close of the quarter, the easement activity under Phase 6 was 69% complete per Shelby County's Right of Way (ROW) Office. Milestones for Phase 6 included the completion of acquisition easements on 12 of 36 required property easements, acquisition meetings were underway with 7 property owners, 5 properties were in the process of having Right of Way Purchases (RAPs) approved for transfer from Shelby County to the City of Memphis, 7 RAPs were in the



process of being prepared for Shelby County to transfer joint ownership fully to the City of Memphis, and Shelby County was in the process of requesting trail easements from the City of Memphis on 5 properties. The targeted date to complete ROW acquisition is June 1, 2020 with bid solicitation and construction of this phase to begin in 2020.

As for Phase 7 (from Douglas Park to N. Highland) and the 5 easements associated with this phase, Shelby County moved forward with Right of Way acquisition. In-house estimates were completed on all 5 tracts, acquisition documents were prepared by Shelby County on all tracts, and Shelby County was in the process of conducting initial right of way acquisition meetings with the owners of the 5 tracts. Currently, easement acquisition under Phase 7 is 15% complete with completion date of the acquisition process anticipated for June 30,2020. The bid solicitation and construction of this phase is scheduled to begin in 2020.

NOTE: This activity falls within the current COVID-19 protocols or “Safer at Home” and “Shelter in Place”.

## Accomplishments Performance Measures

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

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources 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

<a href="#">Document</a>	3-NDR-07 \$2,525.00 January - February 2020.pdf
<a href="#">Document</a>	3-NDR-07 \$300.00 October - December 2019.pdf
<a href="#">Document</a>	RFQ 19-011-10 Construction, Engineering and Inspection Services.pdf
<a href="#">Document</a>	SB-I000535A Wolf River Greenway Phase 8 Bridge Fence_Bid Solicitation.pdf
<a href="#">Document</a>	SB-I000581 Wolf River Greenway Phase 10A_Bid Solicitation.pdf
<a href="#">Document</a>	SOL Engineering_WRG Phase 10A_2020-02-07.pdf
<a href="#">Document</a>	ViktorHall Construction_WRG Phase 10A_2020-01-14.pdf
<a href="#">Document</a>	Wagner General_WRG Phase 8 Fencing_2020-02-21.pdf

- Document** Form 4710\_Contracting Activity Report\_October 2019 - March 2020.pdf
- Document** WRG Update 2020-01-31\_Wolf River Conservancy Trail Construction (Leverage).docx
- Document** WRG\_Bob Wenner to Jim Vazquez\_Investment to Date\_2020-01-31.pdf

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

**Grantee Activity Number:** 4 - NDR - 01  
**Activity Title:** Land Aquisition

<b>Activitiy Category:</b> Acquisition - general	<b>Activity Status:</b> Planned
<b>Project Number:</b> 4 - NDR	<b>Project Title:</b> Big Creek Wetland & Recreation Area - NDR
<b>Projected Start Date:</b> 09/01/2019	<b>Projected End Date:</b> 06/15/2022
<b>Benefit Type:</b> Area ( )	<b>Completed Activity Actual End Date:</b>
<b>National Objective:</b> Urgent Need	<b>Responsible Organization:</b> Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2020</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$640,000.00
<b>Total Budget</b>	\$0.00	\$640,000.00
<b>Total Obligated</b>	\$0.00	\$640,000.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:

With the receipt of the Authorization to Use Grant funds received on December 26, 2019 Shelby County began the property acquisition process. During the report period, the properties were divided into 3 Phases that parallel the 3 Areas shown in the Engineering Designs with Phase 1 (Area 1) receiving the highest priority, followed by Phase/Area 2, then Phase/Area 3. In all, 86 pieces of property and/or Right of Way is being targeted for voluntary acquisition. All property acquisition associated with the Big Creek Project is vacant land and requires no relocation of individuals or demolition of residential structures. At the same time, bid advertisements were issued to secure a vendor to provide for appraisals on the Big Creek properties in question. NOTE: This activity falls within the current COVID-19 protocols or "Safer at Home" and "Shelter in Place".

### 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	

---

<b>Grantee Activity Number:</b>	<b>4 - NDR - 02</b>
<b>Activity Title:</b>	<b>Overbank Excavation</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$17,191,198.00
<b>Total Budget</b>	\$0.00	\$17,191,198.00
<b>Total Obligated</b>	\$0.00	\$17,191,198.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

Shelby County will proceed with construction within the Big Creek Project area once all permits are officially in place. This activity is linked to the release of bids discussed in 4-NDR-06 of the Big Creek Project. NOTE: This activity falls within the current COVID-19 protocols or "Safer at Home" and "Shelter in Place".

**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	

---

<b>Grantee Activity Number:</b>	<b>4 - NDR - 03</b>
<b>Activity Title:</b>	<b>Recreational Facilities</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$5,236,797.00
<b>Total Budget</b>	\$0.00	\$5,236,797.00
<b>Total Obligated</b>	\$0.00	\$5,236,797.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

Shelby County will proceed with construction within the Big Creek Project area once all permits are officially in place. This activity is linked to the release of bids discussed in 4-NDR-06 of the Big Creek Project. NOTE: This activity falls within the current COVID-19 protocols or "Safer at Home" and "Shelter in Place".

**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**

**Jan 1 thru Mar 31, 2020**

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:**

Shelby County will proceed with construction within the Big Creek Project area once all permits are officially in place. This activity is linked to the release of bids discussed in 4-NDR-06 of the Big Creek Project. NOTE: This activity falls within the current COVID-19 protocols or "Safer at Home" and "Shelter in Place".

**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

**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:**

08/01/2020

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

**Overall**

	<b>Jan 1 thru Mar 31, 2020</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$125,000.00
<b>Total Budget</b>	\$0.00	\$125,000.00
<b>Total Obligated</b>	\$0.00	\$125,000.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 is part of the actual construction activities associated with the Big Creek Project will commence as construction moves forward. As other construction activities for the Big Creek Project move forward, Shelby County will report on Tree Planting activities as they occur. As previously mentioned in prior QPRs, this activity was tied to the completion of environmental reviews and engineering design of the overall project. The tree planting activity is designed to prevent the overall loss of tree canopy in Shelby County as a whole that may result from construction of the three Resilience Projects. The activity will occur during the construction of the projects over the term of the grant. NOTE: This activity falls within the current COVID-19 protocols or "Safer at Home" and "Shelter in Place".



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of green public	0	0/80000

## 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	

---

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

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$4,301,204.00
<b>Total Budget</b>	\$0.00	\$4,301,204.00
<b>Total Obligated</b>	\$0.00	\$4,301,204.00
<b>Total Funds Drawdown</b>	\$390,009.50	\$1,748,216.30
<b>Program Funds Drawdown</b>	\$390,009.50	\$1,748,216.30
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$390,009.50	\$1,748,216.30
Shelby County Government2	\$390,009.50	\$1,748,216.30
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

After final review, the Purchasing Department agreed that BargeDesign was the successful applicant. Actual award of the contract is anticipated to take place in the first quarter of 2020. Also, 85 properties have been identified for full purchase, partial purchase and easement acquisition as part of the final engineering designs for the overall Big Creek project. All potential purchases are on vacant properties and will not require any type of relocation efforts. During the quarter, Shelby County categorized the properties to coincide with the three areas of the project in which they are located, began prioritizing the acquisitions, began conducting in-house Title Searches, and began setting up internal network files for use once the release of funds is secured on Big Creek. As established in the NDR Grant application during Phase 2 of the competition, all property will be through voluntary acquisition. The goal for completion of all acquisitions is June 2020. NOTE: This activity falls



within the current COVID-19 protocols or “Safer at Home” and “Shelter in Place”.

### 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 \$331,160.50 October - December 2019.pdf
- Document** 4-NDR-06 \$58,849.00 January - February 2020.pdf
- Document** 2020\_01\_08\_Big Creek Team Meeting Agenda.docx
- Document** 2020\_02\_04\_Big Creek Team Meeting.docx
- Document** 2020\_03\_04\_Big Creek Team Meeting.docx

**Project # / 5 - NDR / Administration - NDR**

<b>Grantee Activity Number:</b>	<b>5 - NDR - 01</b>
<b>Activity Title:</b>	<b>Program Administration</b>

**Activity Category:**

Administration

**Project Number:**

5 - NDR

**Projected Start Date:**

03/01/2017

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

Administration - NDR

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2



Overall	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$1,648,997.00
<b>Total Budget</b>	\$0.00	\$1,648,997.00
<b>Total Obligated</b>	\$0.00	\$1,648,997.00
<b>Total Funds Drawdown</b>	\$100,020.86	\$759,949.39
<b>Program Funds Drawdown</b>	\$100,020.86	\$759,949.39
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$100,020.86	\$759,949.39
Shelby County Government2	\$100,020.86	\$759,949.39
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:

NOTE: AS OF MARCH 23, 2020, ALL CDBG-NDR STAFF WERE TELECOMMUTING AND COVID-19 PROTOCOLS WERE ESTABLISHED AND IMPLEMENTED FOR LOCAL GOVERNMENT AND THE PUBLIC AND PRIVATE SECTOR. MEMPHIS, SHELBY COUNTY, AND OTHER LOCAL MUNICIPAL GOVERNMENTS HAD ISSUED "SAFER IN PLACE" ORDINANCES AS HAD THE STATE OF TENNESSEE. SOME PROJECTIONS FOR THIS SHELTER IN PLACE POLICY INDICATE THAT THIS "NEW NORMAL" MAY LAST THROUGH THE END OF MAY 2020 (OR THROUGH MID-JUNE) HERE IN SHELBY COUNTY. WITH ONLY ESSENTIAL EMPLOYEES REPORTING TO WORK, THIS COULD LEAD TO DELAYS IN THE START OF SOME PROJECTS, ESPECIALLY IN THE AREA OF CONSTRUCTION SINCE MOST OF THE PUBLIC, PRIVATE, AND NON-PROFIT BUSINESSES ARE IMPLEMENTING "SAFER AT HOME" AND "SHELTER IN PLACE" PROTOCOLS. FUTURE QPRS (STARTING WITH APRIL -JUNE 2020)WILL REFLECT ANY ISSUES RELATED TO THE IMPACT OF COVID-19. BECAUSE THESE PROTOCOLS WERE IMPLEMENTED PRIOR TO THE END OF THE QPR PERIOD (MARCH 31, 2020), THERE WILL BE A SLIGHT DELAY IN THE SUBMISSION OF THE SF-425 TO MS. DEANNA DOYLE IN THE KNOXVILLE FIELD OFFICE. IT IS ANTICIPATED THAT AT THE LATEST, THE REPORT WILL BE SUBMITTED ALONGSIDE THE SECOND 2020 QPR WHICH IS DUE IN JULY 2020.

During the January – March 2020 quarter, key administrative tasks completed included: (1) securing the Authorization to Use Grant funds on South Cypress Creek Project (dated 2/05/2020) (2) completing final payments and drawdowns under the Resilience Master Plan and Hydraulic Modeling activities for the documents themselves, (3) continuance of regular Team meetings and consultant conversations to monitor progress on South Cypress Creek, Wolf River, and Big Creek activities, (4) the award of Phase 10A's contract to ViktorHall in amount of \$1,595,514.00, (5) Resolution development, processing, approval and contract execution for Phase 8 Fencing to Wagner General Construction for \$129,271.80.00, (6) the Resolution development, processing, approval, and award of a contract for CEI services associated with Phase 10A to SOL, Inc. in the amount of \$240,000.00 (7) the placement of key information on the ResilientShelby website (8) submitting the ARAP Application to the State of Tennessee for review and approval, (9) issuing appraisal bid notices for land acquisition in Areas/Phases 1, 2, and 3 of the Big Creek project and selecting Douglas B. Hall as successful respondent, and (10) drawdown of DRGR funds through February 2020 (prior to the implementation of the COVID-19 Protocols).

Furthermore, staff continued to hold regular Shelby County Resilience Council (SCRC) meetings on Friday mornings at 10:00 AM to discuss NDR progress, and review and provide input into outstanding issues.

As of March 31, 2020, Shelby County had drawn down \$990,430.50 in grant funds from DRGR for the reporting period of January – March 2020. When combined with the \$6,899,341.78 drawn during the previous reporting period, Shelby County had drawn a total of \$7,889,772.28 in DRGR. As of the end of this quarter, all funds drawn from DRGR were expended by the County.

At the close of Shelby County Fiscal Year 2020 (June 30, 2020), Shelby County will move the remaining balances under 1-NDR-01 (currently an estimated \$ 3,430.85) and 1-NDR-02 (currently an estimated \$140,100.00) into activity 5-NDR-01 Administration. This movement of funds will not result in the need for a substantial amendment under the grant and the current Citizens Participation Plan governing Substantial



Amendments. This will increase the overall budget for NDR Administration from \$1,648,997.00 to approximately \$1,792,527.85 (an increase of approximately 8.5%) which does not impact the overall current funds budgeted for Planning and Administration. This movement of funds does not require the submission of a substantial amendment.

## 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

<b>Document</b>	5-NDR-01 \$64,466.21 October - December 2019_Part 1.pdf
<b>Document</b>	5-NDR-01 \$35,554.65 January - February 2020_Part 1.pdf
<b>Document</b>	5-NDR-01 \$35,554.65 January - February 2020_Part 2.pdf
<b>Document</b>	5-NDR-01 \$64,466.21 October - December 2019_Part 2.pdf
<b>Document</b>	5-NDR-01 \$64,466.21 October - December 2019_Part 3.pdf
<b>Document</b>	CDBG-NDR Reconciliation_January - February 2020.pdf
<b>Document</b>	CDBG-NDR Reconciliation_October - December 2019.pdf
<b>Document</b>	Resilience Council Meeting 1-10-2020.docx
<b>Document</b>	Resilience Council Meeting 1-17-2020.docx
<b>Document</b>	Resilience Council Meeting 1-24-2020.docx
<b>Document</b>	Resilience Council Meeting 1-31-2020.docx
<b>Document</b>	Resilience Council Meeting 2-07-2020.docx
<b>Document</b>	Resilience Council Meeting 2-14-2020.docx
<b>Document</b>	Resilience Council Meeting 2-21-2020.docx

- Document**      Resilience Council Meeting 2-28-2020.docx
- Document**      Resilience Council Meeting 3-06-2020.docx
- Document**      Resilience Council Meeting 3-13-2020.docx
- Document**      Resilience Council Meeting 3-20-2020.docx
- Document**      Resilience Council Meeting 3-27-2020.docx
- Document**      Form 4710\_Contracting Activity Report\_October 2019 - March 2020.pdf
- Document**      Memphis Area Climate Action Plan 2019 FINAL\_4\_JANUARY 2020.pdf

**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:**  
  
**Responsible Organization:**  
 Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2020</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

**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**

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

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<b>Grantee Activity Number:</b>	<b>7 - SL - 02</b>
<b>Activity Title:</b>	<b>Shelby Farms Greenline and Park Trails</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

As discussed in the QPR for December 2019, Shelby County had spent \$9,126,296.20 in supporting leverage on the Shelby Farms Greenline and Park Trails. These committed and expended funds exceeded the \$5,822,181.00 proposed as supporting leverage which were approved during Phase 2 of the NDR award process. While the leverage was met and exceeded, this activity will remain listed as underway to report on completion of the Greenline and Park Trails in future months and to record the total investment upon the completion of the trails themselves. The next report on the trail system and funds invested will be made in under the December 2020 QPR.



## 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

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<b>Grantee Activity Number:</b>	<b>7 - SL - 03</b>
<b>Activity Title:</b>	<b>Main-to-Main Multimodel Connector</b>

**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:**

**Responsible Organization:**  
Shelby County Government2

Overall	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

**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

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<b>Grantee Activity Number:</b>	<b>7 - SL - 04</b>
<b>Activity Title:</b>	<b>Greenline and Trail Connectors</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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:**

As of December 31, 2019, the progress and expenditures on the Greenline and Trail connectors was as follows the Fletcher Creek Greenway Phase 1 (\$1,146,215.00) was complete, the Germantown Greenway (\$271,305.00) was complete. Other Greenline/connectors in the initial phase with expenditures to date were: Chelsea Avenue Greenline (\$143,143.00), Shelby Farms Greenline Bridge (\$173,600), and the Arlington Bike/Pedestrian Trail (3,337.00). This reflects of a total of \$1,737,601.00 in supporting leverage expenditures as of the close of 2019.

In addition to the above activities, the Fletcher Creek Greenway Phase 2 (\$1,084,999.00) was in the process of



being bid out, the Wolf River Greenway Phase 6 (\$1,165,749.00) was beginning construction and the Hampline (\$1,021,519.00) was in the final stages of Construction and reflect a total investment of \$3,722,267.00

As discussed in the QPR for December 2019, Shelby County had either expensed or was in the process of completing portions of the Greenline and associated Trail Connectors for an anticipated \$5,009,868.00 in leveraged funds which would exceed the \$4,338,696.00 in supporting leverage under this activity. Shelby County will continue to monitor and report on funding until the completion of the greenway and park trails linked to this activity.

The next report on the trail system and funds invested will be made in under the December 2020 QPR.

### 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

**Project # / 8 - OV / Outcome Values - OV**

<b>Grantee Activity Number:</b>	<b>8-OV-01-1</b>
<b>Activity Title:</b>	<b>Shelby County OV - Resilience Plan</b>

<p><b>Activity Category:</b> NDR - Resilience Value</p> <p><b>Project Number:</b> 8 - OV</p> <p><b>Projected Start Date:</b> 12/21/2016</p> <p><b>Benefit Type:</b> ( )</p> <p><b>National Objective:</b> Low/Mod</p>	<p><b>Activity Status:</b> Under Way</p> <p><b>Project Title:</b> Outcome Values - OV</p> <p><b>Projected End Date:</b> 07/01/2019</p> <p><b>Completed Activity Actual End Date:</b></p> <p><b>Responsible Organization:</b> Shelby County Government2</p>
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Overall	Jan 1 thru Mar 31, 2020	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00



<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 consists of two parts: A Hydraulic study of three major drainage basins in Shelby County and an overall plan that engaged the public and private sectors in the Mid-South’s MPO boundaries and identified potential resilience activities and projects that can be implemented as additional funds become available in the future. The Baseline for this outcome was 0 (no existing plan or study) and produced a plan which also incorporated the hydraulic modeling concepts. Both the Hydraulic Study and the overall Master Resilience Plan are complete.

As of December 31, 2019, both the Hydraulic Modeling and the Regional Resilience Master Plan documents themselves were 100% complete and are available on the ResilientShelby.com website. Final payments for both the model and plan were processed and the open contract Purchase Orders were closed. All associated planning internal planning staff costs will end and closing out during the second quarter of 2020 under the 1-NDR-02 planning activity.

**Accomplishments Performance Measures**

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

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<b>Grantee Activity Number:</b>	<b>8-OV-02-1</b>
<b>Activity Title:</b>	<b>South Cypress OV - Repurposed Lots</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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. Lot 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 approved Sasaki designs. The re-purposed lots will be reported annually. Ten lots have been shown as a projection based on preliminary designs. The next measure will occur in December of 2020.



## 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	

---

<b>Grantee Activity Number:</b>	<b>8-OV-02-2</b>
<b>Activity Title:</b>	<b>South Cypress OV - Property Value Increase</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 five-year grant 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. The 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). In 2018, Shelby County reviewed the assessment value of the units previously identified in the project area and found the total assessed value to be \$1,001,865 (with a total appraised value of \$4,470,200). In 2019 the total assessed value was \$ 979,790 (with a total appraised value of



\$4,442,400).

These slight declines in assessed values within target area between 2017 and 2019 serve as a baseline for property values in the area and by tracking these values during the development of the South Cypress Creek, 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 2020.

### 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	

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<b>Grantee Activity Number:</b>	<b>8-OV-02-3</b>
<b>Activity Title:</b>	<b>South Cypress OV - Restoration of Cypress Creek</b>

**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

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2020</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 that would enable a measurement under this outcome value.

The next measure will occur in December of 2020.





## 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	

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<b>Grantee Activity Number:</b>	<b>8-OV-02-4</b>
<b>Activity Title:</b>	<b>South Cypress OV - Reduced Floodplain Occupancy</b>

**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

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2020</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 that would enable a measurement under this outcome value.

The next measure will occur in December of 2020.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# occupied structures in	0	20/0

## 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	

---

<b>Grantee Activity Number:</b>	<b>8-OV-03-1</b>
<b>Activity Title:</b>	<b>Wolf River OV - Increased Greenway Use</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 trail 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 Phases 10A and 8 are bid out for construction and the activities associated with Phases 6 and 7 are in the final stages that will lead to the issuance of construction bids. Therefore, no measurements on this outcome value pertaining to usage are available for reporting at this time.

The next measure will occur in December of 2020.



## 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	

---

<b>Grantee Activity Number:</b>	<b>8-OV-03-2</b>
<b>Activity Title:</b>	<b>Wolf River OV - Attracting New Business</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 that 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 assessment for businesses within the 1/2 mile radius. During 2018, 40 new business permits were issued within the 1/2 mile radius of the Wolf River in this area. As of December 2019, 49 new business permits had been issued within 1/2 mile of the Wolf River Greenway project area during the calendar year. These new 2019 permits continue to serve as an indicator for new business growth annually within the target area prior to the completion of the Wolf River Greenway in 2022. The next measure will occur in December of 2020.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	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

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<b>Grantee Activity Number:</b>	<b>8-OV-03-3</b>
<b>Activity Title:</b>	<b>Wolf River OV - Increased Wetlands</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This outcome value projects and increase of 12 acres of wetlands in the project area by project completion. The baseline for this outcome value is 859 acres based on wetland maps of the area between Kennedy and Rodney Baber Park. This expansion will be measured on an annual basis with the first measure occurring in December 2017.

**Location Description:**

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

**Activity Progress Narrative:**

This outcome value projects an increase of 12 acres of wetlands in the project area upon project completion. The baseline for this outcome value is 859 acres based on wetland maps of the area between Kennedy and Rodney Baber Park. This expansion will be measured on an annual basis with the first measure having taken place in December 2017.

As reported at the close of 2018, Phase 9 (Epping Way/Kennedy) resulted in the creation of a floodwater storage area/pond which totals 60,375 square feet and includes the planting of cypress trees by the Wolf River Conservancy. The area is rapidly becoming a functioning wetland. Once fully functional this will represent the creation of 1.39 acres of wetlands within the overall project area (1 acre = 43,560 sf.).

Likewise, as of the end of 2019, the Wolf River Conservancy had created a new sediment basin with a surface





area of approximately 0.65 acres and a volume of 57,200 cubic feet and when Rodney Baber is Park is developed, the area will be incorporated into a proposed 6.8-acre wetland mitigation site. When all activity in 2018 and 2019 are combined the area will have generated a projected 9.58 acres in new wetlands in the area. The next update will occur in December 2020.

### Accomplishments Performance Measures

	This Report Period Total	Cumulative Actual Total / Expected Total
# acres of wetlands created	0	859/12

### 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	



<b>Grantee Activity Number:</b>	<b>8-OV-03-4</b>
<b>Activity Title:</b>	<b>Wolf River OV - Flood Cost Reduction</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 now pertaining to Rodney Baber Park damage. No changes to the park have taken place now.

The next measure will occur in December of 2020.



## Accomplishments Performance Measures

	This Report Period Total	Cumulative Actual Total / Expected 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	

---

<b>Grantee Activity Number:</b>	<b>8-OV-04-1</b>
<b>Activity Title:</b>	<b>Big Creek OV - Increased Greenway Use</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 is 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 reported 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 2019, the trail system and designs for the Big Creek Project were still under environmental review and design. Therefore, the baseline in 2019 remained at 0.

The next report on this outcome value will occur in December 2020.



## 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	

---

<b>Grantee Activity Number:</b>	<b>8-OV-04-2</b>
<b>Activity Title:</b>	<b>Big Creek OV - Increased Housing Value</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 dollar value which corresponded to a total of 62 permits issued. The increase in value of housing permits will be measured annually with the first measurement having occurred in December 2017.

In 2017, Shelby County Code Enforcement reported that there were 25 housing building permits issued for



rehabilitation and new construction 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).

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 both values are still well above the baseline in 2015.

In 2019, Shelby County Code Enforcement showed that there were 29 housing building permits issued for rehabilitation and new construction within the Millington Community (4 less than in 2018). These permits totaled \$1,983,235.41 (up \$963,060.97 from 2018). Again, for the third year, while the number of permits in 2019 decreased by four the value of the permits was above the 2018 level: the 2019 permit value remains well above the baseline set in 2015.

The actual 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 over the last three years.

The next measurement took place and is documented to reflect December 2020 values.

## 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	

<b>Grantee Activity Number:</b>	<b>8-OV-04-3</b>
<b>Activity Title:</b>	<b>Big Creek OV -Tree Mitigation</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 ensure there is no loss of 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. As previously mentioned at the close of 2019, no tree planting occurred and no trees were lost due to NDR projects as of that time. The tree planting activity is included as a part of the environmental review and design, which is currently underway for the Big Creek Project.

The next measure will occur in December of 2020.





## 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	

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<b>Grantee Activity Number:</b>	<b>8-OV-04-4</b>
<b>Activity Title:</b>	<b>Big Creek OV - Decreased Flood Damage</b>

**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	Jan 1 thru Mar 31, 2020	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$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 values. The baseline includes a total of \$233 million in damages and 20 hours of flood pump operation. It should be noted that this outcome value 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. Between 2017 and 2019. 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.

The next measure will occur in December of 2020.

## 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	

## Activity Supporting Documents

**Document** FW\_ Flood Pump Operation and Any Damage in 2019.pdf

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