

Grantee: Shelby County, TN

Grant: B-13-US-47-0002

October 1, 2019 thru December 31, 2019

Grant Number: B-13-US-47-0002	Obligation Date:	Award Date:
Grantee Name: Shelby County, TN	Contract End Date:	Review by HUD: Reviewed and Approved
Grant Award Amount: \$60,445,163.00	Grant Status: Active	QPR Contact: Kathryn Sjostrom
LOCCS Authorized Amount: \$60,445,163.00	Estimated PI/RL Funds: \$0.00	
Total Budget: \$60,445,163.00		

Disasters:

Declaration Number

No Disasters Found

Narratives

Executive Summary:

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

Executive Summary:

esilient community both locally and regionally. All four of the NDR funded actions utilize 4 guiding values to guide each activity. Specifically, these values are: (1) People (Health & Well Being) - protect lives, improve quality of life and promote social cohesion, accomplished through creation of wetlands and other flood storage to protect communities and create green assets; (2) Organization (Economy & Society) - reduce community burden of vacancy and vulnerable housing by removing resid

MID-URN Areas:

After a complete evaluation of Unmet Recovery Needs (URNs) in Phase 1, Shelby County developed a set of four (4) activities designed to protect Shelby County's communities from natural hazards while increasing environmental, economic and social opportunity for all residents of the region, especially vulnerable communities. In Phase 2, the County identified three target areas that were hardest hit by the 2011 disasters: along Big Creek (Northern Shelby County), the Wolf River (Central Shelby County), and South Cypress Creek (Southern Shelby County). Activities within these areas will create additional greenway trails and enhanced recreation areas as well as areas for local food production. A fourth activity will



create a Regional Resilience Plan (which includes a hydraulic study of the of the three main tributaries in the county) over a three-year period to provide a means to tie these and other similar efforts to the GREENPRINT, which was developed with the support of a HUD Sustainable Communities Regional Planning Grant. Each of these activities will lead to replicable interventions that will be transferrable to other areas throughout the region. Furthermore, the goal of each activity was to ensure that the designs are not only cost effective; but provide the highest resilience value (i.e. social, economic, environmental, etc.) and ensure that the proposed resilience solutions within the activities are both scalable and replicable throughout the region. Activity 1: Big Creek Wetland and Recreation Area. Located in North Shelby County within the City of Millington, this area is home to a high percentage of LMI households as well as the Naval Support Activity Mid-South, a key military asset and employer for the area. This activity spans an area within the City of Millington running along Big Creek between the Naval Support Activity (NSA) on the East, along Paul Barret Parkway and Big Creek, and culminating at Hwy 51 North on the West. The overall service area is composed of the following Census Tracts: 0201.02 Block Group 1 0201.02 Block Group 20202.10 Block Group 1 0202.10 Block Group 2 0202.10 Block Group 30202.10 Block Group 4 0202.21 Block Group 1 0202.21 Block Group 20202.22 Block Group 1 0203.00 Block Group 1 0203.00 Block Group 20203.00 Block Group 3 0204.00 Block Group 1 The 2011 storms caused at least \$5 million in damages and displaced community members within the City of Millington. Using a flood control practice common to the Corps of Engineers, the primary activity will create a new floodplain by lowering an area along the creek to allow flood waters to flow into the floodplain while lowering water surface elevations. Lower water surface elevations will prevent future flooding in adjacent communities. If the floodplain had been constructed prior to the 2011 storms, the majority of flooding in the Millington area would not have occurred preventing more than \$4.5 million in losses. If this activity had been complete prior to the May 2010 floods, \$79 million of property damages would have been prevented. This activity will also create sustainable natural wildlife areas, with native vegetation, wetlands, and other natural features. Other amenities will include development of walking trails, small-scale agriculture, ball fields, lakes, and camping areas to provide increased recreational and entrepreneurial opportunities. While creating the new floodplain will require the removal of trees to improve water conveyance

MID-URN Areas:

ce, a tree canopy plan will be implemented to offset tree removal by four-to-one. Shelby County, the City of Millington, and other jurisdictions will work together to set aside approximately 500 acres for tree mitigation. Some of these areas will be utilized to provide an educational experience for school children from LMI areas. Tree mitigation areas will also provide a cooling effect by expanding the tree canopy to counter the increasing heat-island effect. Construction of this activity will incre

Key Agencies, Partners, Positions, Personnel:

the South Cypress Creek community to create a stronger and healthier neighborhood.

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

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

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

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

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

Key Agencies, Partners, Positions, Personnel:

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

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

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

a) Projects integral to the development of the GREENPRINT network involving the development of proposed trail corridors of the GREENPRINT network including the Shelby Farms Greenline and park trails (\$5,822,181);

b) Fletcher Creek Greenway, Overton Park Cooper Street Trail and Perimeter Trail, Germantown Greenway, Chelsea Avenue Greenline, South Memphis Greenline, Shelby Farms Greenline Bridge, and Arlington Bike/Pedestrian Trail funded through DPD's Memphis Urban Area Metropolitan Planning Organization (\$4,338,696); and

c) The Shelby County's drainage study for resilient approaches to address impacts from the 2011 qualified disasters and future flooding along Big Creek (\$72,000).

2. City of Memphis, a partner since Phase 1 of the NDRC process, is the largest municipality in Shelby County with a population of nearly 650,000. Two of the NDR activities (Wolf River and South Cypress Creek) are directly located within the Memphis city limits. Under Phase 3, Memphis will play a key role in assisting in the overall design and implementation of the both of these projects. As a partner in the NDR grant, Memphis is providing a total of \$4,100,000 in direct leverage through its Public Works Division and Division of Housing and Community Development (HCD). This leverage can be broken out as follows: \$2,500,000 for the Wolf River Wetland and Restoration and \$1,600,000 for the South Cypress Creek Activity (\$1,500,000 from Public Works and \$100,000 from HCD). The City is also a partner in the Shelby County Resilience Council (SCRC) a multi-disciplinary team appointed by Shelby County Mayor Mark H. Luttrell, Jr. to formalize development and



implementation of the Greenprint for Resilience Project. Also, the City of Memphis is filling a developmental role in support of the NDR application and activities by providing \$34,423,302 for construction and completion of the Main-to-Main Multimodal Connector Project managed by the City of Memphis, connecting Memphis to the City of West Memphis, Arkansas, including the Harahan Bridge connection across the Mississippi River; which furthers regional interconnectedness of the Greenprint.

3. GCR Inc. has also been involved in the NDR grant since the Phase 1 application and prior to the Phase 3 award. GCR will continue to provide project management and technical assistance

Key Agencies, Partners, Positions, Personnel:

at period with HUD which terminates in September of 2022. GCR staff members have worked with several state clients to develop, implement, and monitor CDBGDR programs. GCR possesses extensive expertise in developing systems that track stages of recovery from immediate response, program development and management, public visibility of expenditures, and progress of recovery resources. Their role will be to provide direct grants management technical assistance to Shelby County to insure compliance, public access to information, and effective administration of resources.

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

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

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

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

b) Barge Waggoner Sumner and Cannon will continue their partnership role in carrying out environmental reviews and architectural/engineering designs associated with the Big Cree Wetland Restoration and Greenway activity.

Key Agencies, Partners, Positions, Personnel:

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

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

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

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

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

Overall	This Report Period	To Date
Total Projected Budget from All Sources	N/A	\$140,165,341.00
Total Budget	\$0.00	\$60,445,162.00
Total Obligated	\$0.00	\$60,445,162.00
Total Funds Drawdown	\$293,845.24	\$6,899,341.78
Program Funds Drawdown	\$293,845.24	\$6,899,341.78



Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$293,845.24	\$6,899,341.78
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Progress Toward Required Numeric Targets

Requirement	Target	Actual
Overall Benefit Percentage (Projected)		74.85%
Overall Benefit Percentage (Actual)		44.60%
Minimum Non-Federal Match	\$0.00	\$0.00
Limit on Public Services	\$9,066,774.45	\$0.00
Limit on Admin/Planning	\$12,089,032.60	\$2,540,796.20
Limit on Admin	\$0.00	\$659,928.53
Most Impacted and Distressed Threshold (Projected)	\$0.00	\$0.00

Overall Progress Narrative:

During the reporting period between October 1, 2019 to December 31, 2019 Shelby County moved the NDR program forward by continuing to carryout activities under: (1) the Mid-South Regional Resilience Master Plan, (2) Hydraulic Modeling and related deliverables, and (3) the environmental reviews and project designs for the major NDR activities (South Cypress Creek, Wolf River Wetland and Restoration Greenway, and Big Creek Wetland and Recreation Area), as well as the Phase 6, Phase 7, Phase 8 Bridge Fence and Phase 10A of the Wolf River Greenway activity.

Specifically, NDR Projects 1-NDR-01 (Hydraulic Modeling), 1-NDR-02 (Master Resilience Plan), 2-NDR-06 (South Cypress Creek Engineering and Testing), 3-NDR-05 (Wolf River Engineering and Testing), 3-NDR-07 (Wolf River Greenway - Infrastructure & Construction), 4-NDR-06 (Big Creek Engineering for Floodway design and landscape architecture) and 5-NDR-01 (Administration) are continuing to move forward or were closed out during the quarter. As of December 31,2019, Shelby County had drawn down \$ 293,845.24 in grant funds from DRGR for the reporting period of July through September 30, 2019. When combined with the \$6,605,496.54 drawn during the previous reporting periods, Shelby County had drawn a total of \$6,899,341.78 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 Hydraulic Modeling activity associated with the Master Resilience Plan was fully complete by the end of this reporting period. The final invoice had been submitted and the consultant Fisher and Arnold had submitted their last invoice for this activity. The final invoice for the Hydraulic model was submitted for payment on October 3, 2019. The payment cleared the Shelby County system and the final payment was drawn in DRGR in early January 2020.
2. Under the Regional Resilience Plan, at the close of the quarter (December 2019) all final cosmetic edits, acknowledgement pages, and attachments in the appendices were complete. Final payment of invoices which will close-out the Master Resilience Plan and the placement of the Plan on the ResilientShelby.com website will take place in the first quarter of 2020. The last payment on the Resilience Plan will serve as the completion of both 1-NDR-01 (Hydraulic Model) and 1-NDR-02 (Regional Resilience Plan) for the NDR Grant in the first quarter of 2020.
3. During the last quarter, South Cypress Creek's Environmental Assessment was completed and signed by the Mayor, the combined Finding of No Significant Impact (FONSI) and the Request for Release of Funds (RROF) was advertised at the end of the September quarter with the comment period ending on October 14, 2019. Prior to submitting the Request for Release of Funds, Shelby County (and HUD) received comments from members of the public regarding this project. Shelby County responded to these comments via mail and website. Shelby County then officially submitted the Request for Release of Funds to the HUD Knoxville Field Office on October 29, 2019 for approval. The County is currently awaiting notification that project will be released by HUD for use. More details on the activity are provided under the narrative for Activity # 2-NDR-06.
4. During the quarter, HUD approved the Release of Funds submitted by Shelby County for the Wolf River Project on September 17, 2019. The Release of Funds on the Wolf River Project was signed by HUD on October 5, 2019. The complete Environmental Review was also placed on the ResilientShelby.com website during this quarter. At the close of the quarter bid books were being developed which will be used to bid out construction for the balance of the Wolf River Project.
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 securing approval of the selected successful construction companies by the Shelby County Commission. As of November 25, 2019, the Commission had approved and the Mayor had signed the Resolution which awards Phase 10A to ViktorHall in an amount of \$1,595,514.00. At the close of the quarter, contracts were being processed and a notice to proceed order is anticipated for the first quarter of 2020. Also, during the reporting period, Resolutions were drafted awarding Wagner General Contractors, Inc. (\$129,271.80) for the Phase 8 Bridge Construction and SOL Engineering, LLC (\$240,000.00) for CEI Service under 3-NDR-07. Both resolutions will go to the Shelby County Commission for approval in early January (the first quarter of 2020).

6. During the quarter the Big Creek Project saw the completion of the Environmental Assessment and its placement on the Shelby County ResilientShelby.com website, Shelby County's publication of the FONSI/RROF Combined Notice in the Tri-State Defender, The Memphis Flyer, The Daily News, and La Prensa Latina (the comment period ran from October 31 – November 25, 2019 with no comments received), the Request for Release of Funds was submitted to the HUD Knoxville Field Office on December 2, 2019, and the receipt of the Authorization to Use Grant funds from Knoxville was signed on December 26, 2019.

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	\$36,656.49	\$2,100,000.00	\$1,880,867.67
2 - NDR, South Cypress Creek Watershed & Neighborhood	\$0.00	\$8,988,097.00	\$1,044,543.74
3 - NDR, Wolf River Wetland & Restoration Greenway -	\$84,337.40	\$18,260,842.00	\$1,955,795.04
4 - NDR, Big Creek Wetland & Recreation Area - NDR	\$112,057.00	\$29,447,227.00	\$1,358,206.80
5 - NDR, Administration - NDR	\$60,794.35	\$1,648,997.00	\$659,928.53
6 - LTC, Long Term Commitments - LTC	\$0.00	\$0.00	\$0.00
7 - SL, Supporting Leverage - SL	\$0.00	\$0.00	\$0.00
8 - OV, Outcome Values - OV	\$0.00	\$0.00	\$0.00



Activities

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

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

Activity Category:

Planning

Activity Status:

Under Way

Project Number:

1 - NDR

Project Title:

Regional Resilience Plan - NDR

Projected Start Date:

03/30/2017

Projected End Date:

11/30/2018

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Urgent Need

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,300,000.00
Total Budget	\$0.00	\$1,300,000.00
Total Obligated	\$0.00	\$1,300,000.00
Total Funds Drawdown	\$1,805.37	\$1,291,325.79
Program Funds Drawdown	\$1,805.37	\$1,291,325.79
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$1,805.37	\$1,291,325.79
Shelby County Government2	\$1,805.37	\$1,291,325.79
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

3 watersheds of Shelby County.

Activity Progress Narrative:

The Hydraulic Modeling activity associated with the Master Resilience Plan was fully complete by the end of this reporting period. The final invoice had been submitted and the consultant Fisher and Arnold had submitted their last invoice on their work during this past quarter. The final invoice for the Hydraulic model was submitted for payment on October 3, 2019. The payment cleared the Shelby County system and the final payment was drawn in DRGR in early January 2020.



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 \$1,805.37.pdf
Document	VOL 1 - HMS Model Development.pdf
Document	VOL 2 - Loosahatchie River HEC-RAS Report.pdf
Document	VOL 3 - Wolf River HEC-RAS Report.pdf
Document	VOL 4 - Nonconnah Creek HEC-RAS Report.pdf

Grantee Activity Number: 1 - NDR - 02

Activity Title: Master Planning

Activity Category:

Planning

Activity Status:

Under Way

Project Number:

1 - NDR

Project Title:

Regional Resilience Plan - NDR

Projected Start Date:

03/30/2017

Projected End Date:

06/30/2019

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Urgent Need

Responsible Organization:

Shelby County Government2

Overall

	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$800,000.00
Total Budget	\$0.00	\$800,000.00
Total Obligated	\$0.00	\$800,000.00
Total Funds Drawdown	\$34,851.12	\$589,541.88
Program Funds Drawdown	\$34,851.12	\$589,541.88
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$34,851.12	\$589,541.88
Shelby County Government2	\$34,851.12	\$589,541.88
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:

Under the Regional Resilience Master Plan, at the close of the quarter (December 2019) all final cosmetic edits, acknowledgement pages, and attachments in the appendices were complete along with all content, narrative, and map information. Final payment of invoices which will close-out the Regional Resilience Master Plan along with the placement of the Plan on the ResilientShelby.com website will take place in the first quarter of 2020. This last payment on the Resilience Plan will serve as the completion of both 1-NDR-01 (Hydraulic Model) and 1-NDR-02 (Regional Resilience Plan) for the NDR Grant.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Plans or Planning Products	1	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-02_2019 September_\$34,851.12.pdf

Document Final_Mid South Regional Resilience Master Plan_December 2019.pdf

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

Grantee Activity Number: 2 - NDR - 01

Activity Title: Infrastructure

Activity Category:

Acquisition, construction, reconstruction of public facilities

Activity Status:

Planned

Project Number:

2 - NDR

Project Title:

South Cypress Creek Watershed & Neighborhood

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

Oct 1 thru Dec 31, 2019

To Date

N/A

\$1,320,500.00

Total Budget

\$0.00

\$1,320,500.00

Total Obligated

\$0.00

\$1,320,500.00

Total Funds Drawdown

\$0.00

\$0.00

Program Funds Drawdown

\$0.00

\$0.00



Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The anticipated start date for this activity was November 2019 but was subject to the completion of the environmental review, finalization of the engineering designs and the Release of Funds for the project itself. Shelby County submitted the Request for Release of Funds to the HUD Knoxville Field Office on October 29, 2019 for approval. As of December 31, 2019, Shelby County was awaiting HUD’s review of the situation, its response, and the subsequent Release of Funds. (Please refer to the 2-NDR-06 activity narrative for more information on the Release of Funds.)

Accomplishments Performance Measures

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

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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



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

Activity Category:

Dike/dam/stream-river bank repairs

Project Number:

2 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$2,038,736.00
Total Budget	\$0.00	\$2,038,736.00
Total Obligated	\$0.00	\$2,038,736.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The anticipated start date for this activity was November 2019 but was subject to the completion of the environmental review, finalization of the engineering designs and the Release of Funds for the project itself. Shelby County submitted the Request for Release of Funds to the HUD Knoxville Field Office on October 29, 2019 for approval. As of December 31, 2019, Shelby County was awaiting HUD's review of the situation, its response, and the subsequent Release of Funds. (Please refer to the 2-NDR-06 activity narrative for more information on the Release of Funds.)

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



Grantee Activity Number: 2 - NDR - 03

Activity Title: Program Capital Costs

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

2 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$450,000.00
Total Budget	\$0.00	\$450,000.00
Total Obligated	\$0.00	\$450,000.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The anticipated start date for this activity was November 2019 but was subject to the completion of the environmental review, finalization of the engineering designs and the Release of Funds for the project itself. Shelby County submitted the Request for Release of Funds to the HUD Knoxville Field Office on October 29, 2019 for approval. As of December 31, 2019, Shelby County was awaiting HUD's review of the situation, its response, and the subsequent Release of Funds. (Please refer to the 2-NDR-06 activity narrative for more information on the Release of Funds.)



Accomplishments Performance Measures

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

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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

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

Activity Category:

Acquisition - general

Project Number:

2 - NDR

Projected Start Date:

11/15/2019

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

02/28/2020

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,901,678.00
Total Budget	\$0.00	\$1,901,678.00
Total Obligated	\$0.00	\$1,901,678.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The anticipated start date for this activity was November 2019 but was subject to the completion of the environmental review, finalization of the engineering designs and the Release of Funds for the project itself. Shelby County submitted the Request for Release of Funds to the HUD Knoxville Field Office on October 29, 2019 for approval. As of December 31, 2019, Shelby County was awaiting HUD's review of the situation, its response, and the subsequent Release of Funds. (Please refer to the 2-NDR-06 activity narrative for more information on the Release of Funds.)

Accomplishments Performance Measures

**This Report Period
Total**

**Cumulative Actual Total / Expected
Total**



# of Parcels acquired	0	0/14
Total acquisition compensation	0	0/1901678

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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

Grantee Activity Number: 2 - NDR - 05

Activity Title: New Housing Development

Activity Category:

Rehabilitation/reconstruction of residential structures

Project Number:

2 - NDR

Projected Start Date:

11/15/2019

Benefit Type:

Direct (HouseHold)

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

06/30/2020

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,512,500.00
Total Budget	\$0.00	\$1,512,500.00
Total Obligated	\$0.00	\$1,512,500.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The anticipated start date for this activity was November 2019 but was subject to the completion of the environmental review, finalization of the engineering designs and the Release of Funds for the project itself. Shelby County submitted the Request for Release of Funds to the HUD Knoxville Field Office on October 29, 2019 for approval. As of December 31, 2019, Shelby County was awaiting HUD's review of the situation, its response, and the subsequent Release of Funds. (Please refer to the 2-NDR-06 activity narrative for more information on the Release of Funds.)

Like the property acquisition activity (2-NDR-04) the New Housing Development activity is designed to begin once the engineering/design and Environmental Review are completed and the Release of Funds secured from HUD. Under this activity, Shelby County will not be carrying on new construction on its own as new development. This activity is designed to provide a subsidized forgivable grant to owners who participate in the



voluntary buyouts under 2-NDR-04. Again, to clarify the purpose of this activity, Shelby County will not be developing housing in South Cypress Creek on its own under this NDR activity. Because this activity is dependent on upon the activities under 2-NDR-06, activity dates will be revised based on the final Release of Funds. 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.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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



Grantee Activity Number: 2 - NDR - 06

Activity Title: Engineering and Testing

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

2 - NDR

Projected Start Date:

03/30/2017

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

08/01/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,764,683.00
Total Budget	\$0.00	\$1,764,683.00
Total Obligated	\$0.00	\$1,764,683.00
Total Funds Drawdown	\$0.00	\$1,044,543.74
Program Funds Drawdown	\$0.00	\$1,044,543.74
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$1,044,543.74
Shelby County Government2	\$0.00	\$1,044,543.74
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

During the last quarter, South Cypress Creek's Environmental Assessment was completed and signed by the Mayor. The combined Finding of No Significant Impact (FONSI) and the Request for Release of Funds (RROF) was also advertised on September 19th, 20th, and 22nd, 2019 with the comment period ending on October 14, 2019. Prior to submitting the Request for Release of Funds, Shelby County (and HUD) received comments from members of the public and Shelby County responded to each of these comments. At this time, the South Cypress Creek Environmental Review and all comments (along with Shelby County's response) are posted on the ResilientShelby.com website. The public comments along with Shelby County's response are also attached to this report.

Shelby County reviewed all comments made by the public and officially submitted the Request for Release of Funds (RROF) to the HUD Knoxville Field Office on October 29, 2019 for approval. Since the submission of the RROF, the County has had conversations with numerous HUD officials regarding the requested release.



Requested files were forward to HUD offices for their review. As of December 31, 2019, Shelby County was awaiting HUD's review of the situation, its response, and the subsequent Release of Funds. Shelby County continued to move forward with engineering activities currently allowed under 2-NDR-06 in an effort to ensure that once funds are released for the project, any experienced delays are as minimal as possible.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	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** 2019-10-29_Request For Release of Funds to HUD_Signed by the Mayor.pdf
- Document** FONSI & RROF_Cypress Creek Combined Notice Ads_9-2019_FEMA Letter.pdf
- Document** Public-Response-to-South-Cypress-Creek-FONSI-RROF_Part-1.pdf
- Document** Public-Response-to-South-Cypress-Creek-FONSI-RROF_Part-2.pdf
- Document** SC_South-Cypress-Creek_FONSI_Response to Public_Oct.2019.pdf

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

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

Activity Category:
Construction/reconstruction of streets

Project Number:
3 - NDR

Projected Start Date:
04/01/2019

Benefit Type:
Area ()

National Objective:
Low/Mod

Activity Status:
Planned

Project Title:
Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:
05/01/2021

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,151,549.00
Total Budget	\$0.00	\$1,151,549.00
Total Obligated	\$0.00	\$1,151,549.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

As a whole, the reconstruction of Orchi Road will reduce future flooding of the area and will also function to connect low income residents with the greenway and parks being developed under this activity. The activity will also develop safer roadways for pedestrians and residents within the activity boundaries. On September 17, 2019 Shelby County submitted the RROF to HUD for approval. Shelby County received the official Release of Funds from HUD dated October 5, 2019 during the reporting period. 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 is expected to begin in late Spring to early Summer of 2020. The Authority to Use Grant Funds, the Environmental Assessment, and copies of the published advertisements of the FONSI/RROF are attached.

Accomplishments Performance Measures

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

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.



Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Activity Supporting Documents

Document Authority to User Grant Funds_Wolf River Project_Signed by HUD_October 5, 2019.pdf

Document Part 58_Final Environmental Assessment_Wolf River Greenway Project_ August 13, 2019.pdf



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

	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,688,645.00
Total Budget	\$0.00	\$1,688,645.00
Total Obligated	\$0.00	\$1,688,645.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

Shelby County received the official Release of Funds from HUD dated October 5, 2019 during the reporting period. Bidding and construction will begin during the first two quarters of 2020. Actual bids are anticipated to be issued March- May of 2020 and construction of the Wolf River Project is expected to begin by mid-Summer of 2020. The Authority to Use Grant Funds, the Environmental Assessment, and copies of the published advertisements of the FONSI/RROF are attached.



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

Activity Supporting Documents

Document Authority to User Grant Funds_Wolf River Project_Signed by HUD_October 5, 2019.pdf

Document Part 58_Final Environmental Assessment_Wolf River Greenway Project_ August 13, 2019.pdf

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

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

05/01/2021

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$436,586.00
Total Budget	\$0.00	\$436,586.00
Total Obligated	\$0.00	\$436,586.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

Shelby County received the official Release of Funds from HUD dated October 5, 2019 during the reporting period. Bidding and construction will begin during the first two quarters of 2020. Actual bids are anticipated to be issued March- May of 2020 and construction of the Wolf River Project is expected to begin by mid-Summer of 2020. The Authority to Use Grant Funds, the Environmental Assessment, and copies of the published advertisements of the FONSI/RROF are attached.



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	

Activity Supporting Documents

Document Authority to User Grant Funds_Wolf River Project_Signed by HUD_October 5, 2019.pdf

Document Part 58_Final Environmental Assessment_Wolf River Greenway Project_ August 13, 2019.pdf

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

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

05/01/2021

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$3,929,985.00
Total Budget	\$0.00	\$3,929,985.00
Total Obligated	\$0.00	\$3,929,985.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Reconstruction of the restoration area associated with the Wolf River Wetland and Restoration Greenway project.

Location Description:

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

Activity Progress Narrative:

Shelby County received the official Release of Funds from HUD dated October 5, 2019 during the reporting period. Bidding and construction will begin during the first two quarters of 2020. Actual bids are anticipated to be issued March- May of 2020 and construction of the Wolf River Project is expected to begin by mid-Summer of 2020. The Authority to Use Grant Funds, the Environmental Assessment, and copies of the published advertisements of the FONSI/RROF are attached.

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

Activity Supporting Documents

Document Authority to User Grant Funds_Wolf River Project_Signed by HUD_October 5, 2019.pdf

Document Part 58_Final Environmental Assessment_Wolf River Greenway Project_ August 13, 2019.pdf

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

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2017

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

12/15/2018

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,941,677.00
Total Budget	\$0.00	\$1,941,677.00
Total Obligated	\$0.00	\$1,941,677.00
Total Funds Drawdown	\$6,350.00	\$1,056,450.00
Program Funds Drawdown	\$6,350.00	\$1,056,450.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$6,350.00	\$1,056,450.00
Shelby County Government2	\$6,350.00	\$1,056,450.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

Shelby County received the official Release of Funds from HUD dated October 5, 2019 during the reporting period. At the close of the reporting period, engineering designs had been completed and the Engineering Design Team was preparing 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). These bid books will be the basis for construction bids submitted on the overall project.

Accomplishments Performance Measures

This Report Period	Cumulative Actual Total / Expected
Total	Total



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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

Activity Supporting Documents

- Document** 3-NDR-05_2019 September_ \$6,350.00.pdf
 - Document** Authority to Use Grant Funds_Wolf River Project_Signed by HUD_October 5, 2019.pdf
 - Document** RESOLUTION_ViktorHall-Phase 10A__Signed by Mayor.pdf
-



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

Activity Category:

Acquisition - general

Project Number:

3 - NDR

Projected Start Date:

03/08/2019

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Planned

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

07/06/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$112,400.00
Total Budget	\$0.00	\$112,400.00
Total Obligated	\$0.00	\$112,400.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

As the environmental review and the engineering design for the project near completion, Shelby County and the Environmental/Engineering and Design Team are evaluating the need for the purchase that was identified as an activity in the Phase 3 Award Budget. If the purchase of the property is not necessary, Shelby County plans to move these funds to another existing activity within the Wolf River Greenway Project. This will be determined in the final stages of the environmental review and engineering and design process. Based on the substantial amendment guidelines, moving these funds to another Wolf River activity will not constitute a substantial amendment to the NDR Grant. No change will occur without initial notification of the change to the HUD Region VI Knoxville Field Office representatives and staff. The Authority to Use Grant Funds, the Environmental Assessment, and copies of the published advertisements of the FONSI/RROF are attached.



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	

Activity Supporting Documents

Document Authority to User Grant Funds_Wolf River Project_Signed by HUD_October 5, 2019.pdf

Document Part 58_Final Environmental Assessment_Wolf River Greenway Project_August 13, 2019.pdf

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

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

09/01/2017

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

09/01/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$9,000,000.00
Total Budget	\$0.00	\$9,000,000.00
Total Obligated	\$0.00	\$9,000,000.00
Total Funds Drawdown	\$77,987.40	\$899,345.04
Program Funds Drawdown	\$77,987.40	\$899,345.04
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$77,987.40	\$899,345.04
Shelby County Government2	\$77,987.40	\$899,345.04
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

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 securing approval of the selected successful construction companies by the Shelby County Commission. As of November 25, 2019, the Commission had approved and the Mayor had signed the Resolution which awards Phase 10A to ViktorHall in an amount of \$1,595,514.00. At the close of the quarter, contracts were being processed and a notice to proceed order is anticipated for the first quarter of 2020. Also, during the reporting period, Resolutions were drafted awarding Wagner General Contractors, Inc. (\$129,271.80.00) for the Phase 8 Bridge Construction, and SOL Engineering, LLC (\$240,000.00) for CEI Service under 3-NDR-07. Both will go to the Shelby County Commission for award in early January (the first quarter of 2020).

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 Office. Milestones for Phase 6 included the completion of acquisition easements on 11 of 36 required property easements, acquisition meetings with the owners of the remaining 25 properties, creation of an easement template between Shelby County and the City of Memphis, and negotiations with the CN Railroad for an easement along their property. It is anticipated that all easements will be finalized during the next quarter. The bid solicitation and construction of this phase will 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 of the process anticipated for March of 2020. The bid solicitation and construction of this phase will begin in 2020.

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

Document 3-NDR-07_2019 September \$77,987.40.pdf

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

Grantee Activity Number: 4 - NDR - 01

Activity Title: Land Aquisition

Activity Category:

Acquisition - general

Project Number:

4 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Planned

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2



Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$640,000.00
Total Budget	\$0.00	\$640,000.00
Total Obligated	\$0.00	\$640,000.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The receipt of the Authorization to Use Grant funds received from Knoxville and signed on December 26, 2019 will enable this activity to move forward in 2020. Shelby County will proceed with construction within the Big Creek Project area once all permits are officially 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

Activity Supporting Documents

- Document** Big Creek Authority to Use Grant Funds_12-26-2019.pdf
 - Document** Part 58_Big-Creek-Environmental-Assessment-_CDBG-Worksheet.pdf
 - Document** Part 58_Big-Creek-Environmental-Assessment.pdf
 - Document** Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-2.pdf
 - Document** Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-1.pdf
 - Document** Part 58_Big-Creek-Environmental-Assessment-Attachments.pdf
 - Document** Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-3.pdf
-



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

Activity Category:
Acquisition, construction, reconstruction of public facilities

Project Number:
4 - NDR

Projected Start Date:
09/01/2019

Benefit Type:
Area ()

National Objective:
Low/Mod

Activity Status:
Planned

Project Title:
Big Creek Wetland & Recreation Area - NDR

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$17,191,198.00
Total Budget	\$0.00	\$17,191,198.00
Total Obligated	\$0.00	\$17,191,198.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The receipt of the Authorization to Use Grant funds received from Knoxville and signed on December 26, 2019 will enable this activity to move forward in 2020. Shelby County will proceed with construction within the Big Creek Project area once all permits are officially in place.

Accomplishments Performance Measures

This Report Period	Cumulative Actual Total / Expected
Total	Total



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Activity Supporting Documents

Document Big Creek Authority to Use Grant Funds_12-26-2019.pdf

Document Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-2.pdf

Document Part 58_Big-Creek-Environmental-Assessment-_CDBG-Worksheet.pdf

Document Part 58_Big-Creek-Environmental-Assessment.pdf

Document Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-1.pdf

Document Part 58_Big-Creek-Environmental-Assessment-Attachments.pdf

Document Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-3.pdf



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

Activity Category:
Acquisition, construction, reconstruction of public facilities

Project Number:
4 - NDR

Projected Start Date:
09/01/2019

Benefit Type:
Area ()

National Objective:
Urgent Need

Activity Status:
Planned

Project Title:
Big Creek Wetland & Recreation Area - NDR

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$5,236,797.00
Total Budget	\$0.00	\$5,236,797.00
Total Obligated	\$0.00	\$5,236,797.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The receipt of the Authorization to Use Grant funds received from Knoxville and signed on December 26, 2019 will enable this activity to move forward in 2020. Shelby County will proceed with construction within the Big Creek Project area once all permits are officially 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	

Activity Supporting Documents

- Document** Big Creek Authority to Use Grant Funds_12-26-2019.pdf
 - Document** Part 58_Big-Creek-Environmental-Assessment-_CDBG-Worksheet.pdf
 - Document** Part 58_Big-Creek-Environmental-Assessment.pdf
 - Document** Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-2.pdf
 - Document** Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-1.pdf
 - Document** Part 58_Big-Creek-Environmental-Assessment-Attachments.pdf
 - Document** Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-3.pdf
-



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

Oct 1 thru Dec 31, 2019

N/A

To Date

\$1,953,027.00

Total Budget

\$0.00

\$1,953,027.00

Total Obligated

\$0.00

\$1,953,027.00

Total Funds Drawdown

\$0.00

\$0.00

Program Funds Drawdown

\$0.00

\$0.00

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$0.00

Shelby County Government2

\$0.00

\$0.00

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The receipt of the Authorization to Use Grant funds received from Knoxville and signed on December 26, 2019 will enable this activity to move forward in 2020. Shelby County will proceed with construction within the Big Creek Project area once all permits are officially 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

Activity Supporting Documents

Document	Big Creek Authority to Use Grant Funds_12-26-2019.pdf
Document	Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-2.pdf
Document	Part 58_Big-Creek-Environmental-Assessment-_CDBG-Worksheet.pdf
Document	Part 58_Big-Creek-Environmental-Assessment.pdf
Document	Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-1.pdf
Document	Part 58_Big-Creek-Environmental-Assessment-Attachments.pdf
Document	Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-3.pdf

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

Total Projected Budget from All Sources

Oct 1 thru Dec 31, 2019

N/A

To Date

\$125,000.00

Total Budget

\$0.00

\$125,000.00

Total Obligated

\$0.00

\$125,000.00

Total Funds Drawdown

\$0.00

\$0.00

Program Funds Drawdown

\$0.00

\$0.00

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$0.00

Shelby County Government2

\$0.00

\$0.00

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

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

Location Description:

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

Various locations near 35.198212, -89.910189

Activity Progress Narrative:

The Tree Planting activity is part of the actual construction activities associated with the Big Creek Project will commence as construction moves forward. The receipt of the Authorization to Use Grant funds received from Knoxville and signed on December 26, 2019 will enable this activity to move forward in 2020. 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. This was done in consultation with HUD.



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	

Activity Supporting Documents

Document	Big Creek Authority to Use Grant Funds_12-26-2019.pdf
Document	Part 58_Big-Creek-Environmental-Assessment-_CDBG-Worksheet.pdf
Document	Part 58_Big-Creek-Environmental-Assessment.pdf
Document	Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-1.pdf
Document	Part 58_Big-Creek-Environmental-Assessment-Attachments.pdf
Document	Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-3.pdf
Document	Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-2.pdf

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

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

4 - NDR

Projected Start Date:

01/01/2017

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

08/01/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$4,301,204.00
Total Budget	\$0.00	\$4,301,204.00
Total Obligated	\$0.00	\$4,301,204.00
Total Funds Drawdown	\$112,057.00	\$1,358,206.80
Program Funds Drawdown	\$112,057.00	\$1,358,206.80
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$112,057.00	\$1,358,206.80
Shelby County Government2	\$112,057.00	\$1,358,206.80
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

35.198212, -89.910189

Activity Progress Narrative:

During the quarter the Big Creek Project saw the completion of the Environmental Assessment and its placement on the Shelby County ResilientShelby.com website, Shelby County's publication of the FONSI/RROF Combined Notice in the Tri-State Defender, The Memphis Flyer, The Daily News, and La Prensa Latina (the comment period ran from October 31 – November 25, 2019 with no comments received), the Request for Release of Funds was submitted to the HUD Knoxville Field Office on December 2, 2019, and the receipt of the Authorization to Use Grant funds from Knoxville was signed on December 26, 2019. Finally, during the quarter, responses were solicited (October 3, 2019) for Engineering Services to secure FEMA permits under this activity which were due by October 31, 2019. These responses were reviewed and recommendations were made. 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 March 31, 2020.

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_2019 September_\$112,057.00.pdf
Document	Big Creek Article_Commercial Appeal 2019-12-08.pdf
Document	Big Creek Release of Funds_12-26-2019.pdf
Document	Part 58_Big-Creek-Environmental-Assessment-_CDBG-Worksheet.pdf
Document	Part 58_Big-Creek-Environmental-Assessment.pdf
Document	FEMA & HUD_Combined Notice_FONSI-RROF_Big Creek Wetland and Restoration Project.pdf
Document	RFQ #20-009-13 Preparation of FEMA Documents for Big Creek Project.pdf



- Document** RFQ #20-009-13_FEMA Documents.pdf
- Document** Shelby County_Request for Release of Funds_Big Creek Project_12-2-2019.pdf
- Document** Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-1.pdf
- Document** Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-2.pdf
- Document** Part 58_Big-Creek-Environmental-Assessment-Attachments.pdf
- Document** Part 58_Big-Creek-Environmental-Assessment-Appendices-Part-3.pdf

Project # / 5 - NDR / Administration - NDR

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

Activity Category: Administration	Activity Status: Under Way
Project Number: 5 - NDR	Project Title: Administration - NDR
Projected Start Date: 03/01/2017	Projected End Date: 09/30/2022
Benefit Type: ()	Completed Activity Actual End Date:
National Objective: NA	Responsible Organization: Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,648,997.00
Total Budget	\$0.00	\$1,648,997.00
Total Obligated	\$0.00	\$1,648,997.00
Total Funds Drawdown	\$60,794.35	\$659,928.53
Program Funds Drawdown	\$60,794.35	\$659,928.53
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$60,794.35	\$659,928.53
Shelby County Government2	\$60,794.35	\$659,928.53
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Grant Administration by Shelby County, Tennessee staff and consultants.



Location Description:

Shelby County Division of Planning and Development

Activity Progress Narrative:

During the October- December 2019 quarter, key administrative tasks completed included: (1) securing the Authorization to Use Grant funds on the Wolf River Greenway Project (10/05/2019), (2) securing the Authorization to Use Grant Funds on the Big Creek Project (12/26/2019), (3) Requesting the Authorization to Use Grant Funds for the South Cypress Creek Project (10/29/2019), (4) completion of the Regional Resilience Master Plan and tying the Plan together with the Hydraulic Model, (5) continuance of regular Team meetings to monitor progress on South Cypress Creek, the Wolf River Project, and Big Creek activities as needed,(7) the approval of Phase 10A's Resolution awarding a contract to ViktorHall which will be finalized in 2020 with construction beginning in 2020, (8) Resolution development for Phase 8 Fencing and CEI services which will go to the County Commission in January 2020 and which will allow contracting and construction to begin in the first quarter of 2020, and (9) the placement of key information on the ResilientShelby website.

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

As of December 31,2019, Shelby County had drawn down \$ 293,845.24 in grant funds from DRGR for the reporting period of July through September 30, 2019. When combined with the \$6,605,496.54 drawn during the previous reporting periods, Shelby County had drawn a total of \$6,899,341.78 in DRGR. As of the end of this quarter, all funds drawn from DRGR had been expended by the County.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Activity Supporting Documents

Document 5-NDR-01 \$60,794.35_2019 September_3 of 5.pdf

Document 5-NDR-01 \$60,794.35_2019 September_5 of 5.pdf

Document HUD Form 425 2019-09-30.pdf

Document HUD Form 425_2019-12-31.pdf

- Document** SCRC Agendas July - December 2019.pdf
- Document** SCRC Agendas October - December 2019.pdf
- Document** 5-NDR-01 \$60,794.35_2019 September_1 of 5.pdf
- Document** 5-NDR-01 \$60,794.35_2019 September_2 of 5.pdf
- Document** 5-NDR-01 \$60,794.35_2019 September_4 of 5.pdf
- Document** Section 3 Report 2019.pdf
- Document** Timesheets & Certifications January - June 2019.pdf
- Document** Timesheets & Certifications_2019-July -December 2019.pdf
- Document** WBE-MBE Report #3_January - December 2019_Form 2516.pdf

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

Grantee Activity Number: 6 - LTC - 01
Activity Title: Greenprint

Activity Category:
 NDR - Resilience Value
Project Number:
 6 - LTC
Projected Start Date:
 07/01/2012
Benefit Type:
 ()
National Objective:
 NA

Activity Status:
 Completed
Project Title:
 Long Term Commitments - LTC
Projected End Date:
 01/31/2017
Completed Activity Actual End Date:

Responsible Organization:
 Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00



Activity Description:

The Greenprint is a 25 year plan designed to enhance regional sustainability by establishing a unified vision for a region-wide network of green space areas which serves to address long-term housing and land use, resource conservation, environmental protection, accessibility, community health and wellness transportation alternatives, economic development, neighborhood engagement, and social equity in the Greater Memphis area. The long term commitment to the Greenprint and the Region will be insured through the adoption of greenprint by 22 local jurisdictions who were part of the planning effort and the ultimate finalization of the Greenprint 2015/2040 plan.

Location Description:

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

Activity Progress Narrative:

Accomplishments Performance Measures

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

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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

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:

Activity Status:
Under Way

Project Title:
Supporting Leverage - SL

Projected End Date:



12/21/2016

06/15/2022

Benefit Type:

()

Completed Activity Actual End Date:

National Objective:

NA

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

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

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

Activity Category:

Rehabilitation/reconstruction of a public improvement

Project Number:

7 - SL

Projected Start Date:

09/01/2014

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Supporting Leverage - SL

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

Shelby County's supporting leverage of \$5,822,181.00 is aligned with the Shelby Farms Greenline and Park Trails. These trail corridors were identified within the GREENPRINT are further connections and recreational access points within Shelby Farms and create a network for Shelby County citizens to access the park amenities without the need for a motorized vehicle. As discussed in previous QPR's \$6,738,845.00 had been expended (\$4,400,000.00 for the Shelby Farms Greenline from Farm Road to the Old Cordova Train Station and \$2,338,845.00 for the Shelby Farms Greenline from Midtown to Shelby Farms Park). Both trail corridors had been completed. At the close of December 2019, the Greenline Extension from Cordova to Lenow Road was in the final design stage and the environmental clearances, and the Right of Way Purchases for the trail were being completed. Total funding expended to date on this portion of the Greenline totaled \$2,387,451.20. Shelby County is currently in the process of



coordinating with the Metropolitan Planning Organization (MPO) for additional grant funds for the construction of this Greenline phase.

In conclusion, as of the quarter ending 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 exceed the \$5,822,181.00 proposed as supporting leverage which were approved during Phase 2 of the NDR award process.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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

Activity Supporting Documents

Document MPO Greenline and Trail Corridor Projects_2019-12-31.xlsx

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

Activity Category:
NDR - Supporting Leverage

Project Number:
7 - SL

Projected Start Date:
01/01/2015

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
Supporting Leverage - SL

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The Main-to-Main Multimodel Connector (7-SL-03) was discussed and attachments were provided in the 2019 second quarterly report for the period of April - June 2019. The project was complete and showed a total of \$40,105,686.00 in actual supporting leverage.



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

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

Activity Category:
NDR - Supporting Leverage

Project Number:
7 - SL

Projected Start Date:
09/01/2014

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
Supporting Leverage - SL

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

The Greenline and trail are located along the Fletcher Creek Greenway, Overton Park Cooper Street Trail and Perimeter Trail, Germantown Greenway, Chelsea Avenue Greenline, South Memphis Greenline, Shelby Farms Greenline Bridge, and Arlington Bike/Pedestrian Trail

Activity Progress Narrative:

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
 In all, these portions of the Greenline and associate Trail Connectors either expensed or in the construction phases represent supporting leverage in the amount of \$5,009,868.00.
 As updates become available on these projects details will be included in future QPRs.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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

Activity Supporting Documents

Document Update on the Shelby Farms Greenline.pdf

Project # / 8 - OV / Outcome Values - OV

Grantee Activity Number: 8-OV-01-1
Activity Title: Shelby County OV - Resilience Plan

Activity Category: NDR - Resilience Value	Activity Status: Under Way
Project Number: 8 - OV	Project Title: Outcome Values - OV
Projected Start Date: 12/21/2016	Projected End Date: 07/01/2019
Benefit Type: ()	Completed Activity Actual End Date:
National Objective: Low/Mod	Responsible Organization: Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00



Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The 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. The Hydraulic modeling of the three drainage basins (Nonconnah, Loosahatchie, and Wolf River) was completed in the June of 2018. Over the previous year, edits and fine tuning of the document as well as the manner in which to incorporate the studying alongside the Regional Resilience Plan took place. The final edited versions of the 3 basin studies and the overall Hydraulic report were attached to the June 2019 QPR. At the close of September 2019, the Resilience Plan was 100% complete with only minor edits needed to the document itself. As of December 31, 2019, both the Hydraulic Modeling and the Regional Resilience Master Plan were 100% complete, and are available on the ResilientShelby.com website, Final payments had been/were being processed against contracts.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of resilience plans created	1	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** VOL 1 - HMS Model Development.pdf
 - Document** VOL 3 - Wolf River HEC-RAS Report.pdf
 - Document** VOL 2 - Loosahatchie River HEC-RAS Report.pdf
 - Document** VOL 4 - Nonconnah Creek HEC-RAS Report.pdf
 - Document** Mid South Regional Resilience Master Plan_December 2019.pdf
-

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

Activity Category:

NDR - Social Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

This activity will repurpose flood lots for other uses within the South Cypress Creek project area. Uses as designated in the Phase 2 were classified as gardens, permanent flood plain lots, and wild lots. 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	

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

Activity Category:

NDR - Economic Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The measure for this Outcome Value is a 3% cumulative increase in the assessed property values within the project neighborhood over the next five-year period. The baseline for this outcome value is the 2011 property value level which was assessed at \$1,607,765.00 (appraised value of \$7,222,200) per the Shelby County Assessor. 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, Shelby County again reviewed the current assessed value of the units previously identified in the project area. In 2019 the total assessed value was \$ 979,790 (with a total appraised value of \$4,442,400). This represents a decrease of \$22,075 in the assessed value of units.

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	

Activity Supporting Documents

Document	
2011 VS 2019 Property Appraisal Values_2019-12-31.xls	

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

Activity Category:
NDR - Environmental Value

Project Number:
8 - OV

Projected Start Date:
12/21/2016

Benefit Type:
()

National Objective:
NA

Activity Status:
Planned

Project Title:
Outcome Values - OV

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

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

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

Activity Category:

NDR - Resilience Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The baseline for this activity is 20 units currently in the floodway as identified using flood maps and a visual survey. The South Cypress Creek Project is still in the environmental and design phase now and no action has taken place 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



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

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

Activity Category:

NDR - Social Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

This outcome value anticipates an increase from no current use to an average daily use of the Wolf River Wetland and Restoration Greenway by 200 individuals. This will include individuals who walk, run, or bike along the system. The current baseline of this value is 0 since the trail is not complete. Reporting on this activity will occur annually. At this time, the Wolf River Greenway Project Phases 10A and 8 have been bid out for construction, and the activities associated Phase 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	

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

Activity Category:
NDR - Economic Value

Project Number:
8 - OV

Projected Start Date:
12/21/2016

Benefit Type:
()

National Objective:
Low/Mod

Activity Status:
Planned

Project Title:
Outcome Values - OV

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The Wolf River Greenway Project falls within zip codes 38127 and 38128. While this outcome value is based on new businesses 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.



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

Activity Supporting Documents

Document 2019 New Business Permits_RStieg_2019-01-24.xlsx

Document New Businesses Along Wolf River 2018.pdf

Document New Businesses Along Wolf River 2019.pdf

Grantee Activity Number:	8-OV-03-3
Activity Title:	Wolf River OV - Increased Wetlands

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	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This outcome value 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. At this time, the NDR Wolf River Greenway Project and the activities associated with it are have cleared the environmental review and Shelby County has secured the "Authorization to Use Grant Funds".

In 2018, the Wolf River Conservancy purchased mitigation credits related to the Wolf River Greenway for Epping Way/Kennedy Park Bike and Pedestrian Trails at the Wolf River. This did not result in the creation of new wetlands. 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.). During 2019, the Wolf River Conservancy did not physically create any new wetlands. However, as part of Phase 5B, the City of Memphis created a new sediment basin with a surface area of approximately 0.65 acres and a volume of 57,200 cubic feet. This basin will convert naturally to a wetland. When Rodney Baber is Park is developed, this area will be incorporated into the proposed 6.8-acre wetland mitigation site. When both area are fully functional, 8.19 acres of wetland/wetland mitigation area. The next update will occur in December 2020.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	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	

Activity Supporting Documents

Document IMG_0508.jpg

Image:



Document New wetlands in 2019_Wolf River Conservancy.pdf

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

Activity Category:
NDR - Resilience Value

Project Number:
8 - OV

Projected Start Date:
12/21/2016

Benefit Type:
()

National Objective:
NA

Activity Status:
Planned

Project Title:
Outcome Values - OV

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

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

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

Activity Category:

NDR - Social Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

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

Activity Category:
NDR - Economic Value

Project Number:
8 - OV

Projected Start Date:
12/21/2016

Benefit Type:
()

National Objective:
NA

Activity Status:
Planned

Project Title:
Outcome Values - OV

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

The outcome value projects an increase in the value of building permits pulled in the Millington community of \$1,500,000 for rehabilitation and/or new construction of housing stock by the end of the project. The baseline for this outcome value was the total permit dollar value and number of permits issued in Millington for 2015 which totaled \$606,638.10 in permit 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. The Division of Planning and Development is responsible for this measurement.

According to Shelby County Code Enforcement, there were 25 housing building permits issued for rehabilitation and new construction in 2017 within the Millington Community. These permits totaled \$1,453,062.23. While the



number of permits in 2017 was down from the baseline in 2015, the value of the permits issued more than doubled in 2017 (from \$606,618.10 in 2016 to \$1,453,062.23). 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). 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 as of the end of 2019. The next measurement took place and is documented to reflect December 2020 values.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	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	

Activity Supporting Documents

Document	
	Millington Residential Permit 2015 -2016 -2017-2018-2019.xlsx

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

Activity Category:
NDR - Environmental Value

Activity Status:
Planned

Project Number:
8 - OV

Project Title:
Outcome Values - OV

Projected Start Date:
12/21/2016

Projected End Date:
06/15/2022

Benefit Type:
()

Completed Activity Actual End Date:

National Objective:
NA

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

Tree mitigation will take place over 400 acres of land to 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. The planting acreage will be measured annually with the first measurement occurring in December 2017. Shelby County Division of Public Works is responsible for this measurement. During 2019, no tree planting occurred and no trees have been lost due to NDR projects. 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	

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

Activity Category:
NDR - Resilience Value

Project Number:
8 - OV

Projected Start Date:
12/21/2016

Benefit Type:
()

National Objective:
NA

Activity Status:
Planned

Project Title:
Outcome Values - OV

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

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

Location Description:

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

Activity Progress Narrative:

This outcome value estimates that upon completion of the project Millington can avoid an anticipated \$60,000,000 in flood damage costs and reduce its flood pump operation hours by 20% over the 2010 and 2011 damage 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. During 2017 Millington experienced no flooding due to disasters, which resulted in no measurement for loss due to flood damage or the operation of the flood pumps to address flooding issues in the community.

During 2019, Millington experienced no flooding due to disasters. This resulted in no measurement for loss due to flood damage or the operation of the flood pumps to address flooding issues in the community. The next measure will occur in December of 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	
