

Environmental Assessment for the Wolf River Wetland Restoration and Greenway Project

Shelby County, Tennessee

August 2019

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Environmental Assessment For HUD-funded Proposals

Project Name: Wolf River Wetland Restoration and Greenway

Responsible Entity: Shelby County Government

(24 CFR Part 58.2(a)(7)) (City or County)

Certifying Officer: Lee Harris

(24 CFR Part 58.2(a)(2)) (Mayor)

Recipient Address: Shelby County Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134

Project Identification: B-13-US-470002

(HUD Project Number)

Preparer: Drake Danley, PE – Kimley-Horn and Associates, Inc.

**Date of ERR
Completion:** 08/13/2019

Project Locations: Rodney Baber Park – 2215 James Road, Memphis, TN
John F. Kennedy Park – 4577 Raleigh-Lagrange Road, Memphis, TN
Orchi Road – From Jackson Avenue to Highland Street, Memphis, TN

**Estimated Total
Project Cost:** \$11.8 Million

Conditions for Approval:

List all mitigation measures adopted by the responsible entity to eliminate or minimize adverse environmental impacts. These conditions must be included in project contracts and other relevant documents as requirements. (See 24 CFR 58.40(d); 40 CFR 1505.2(c)).

Condition # 1

In accordance with the Erosion Prevention and Sediment Control requirements of the City of Memphis and Shelby County, the proposed improvements will be constructed using best management practices to prevent the degradation of water quality in the project area.

Condition # 2

Hours of construction shall be limited to 7 a.m. to 6 p.m. Monday through Friday, and 9 a.m. to 6 p.m. Saturday. No construction shall be permitted on Sundays.

Condition # 3 – Historical and Archaeological Resources

If unique historical or archaeological remains are discovered during project construction, the Tennessee State Historic Preservation Office will be contacted to determine what further action, if any, will be necessary to comply with Section 106 of the National Historic Preservation Act.

Condition # 4 – Environmental Permitting

All environmental permits required by the Tennessee Department of Environment and Conservation and the US Army Corps of Engineers must be secured prior to the start of construction. Permits that are required based on the current project design include an NPDES permit, an individual 404 permit, and an individual 401 water quality permit.

Finding: (24 CFR Part 58.40(g))

Finding of No Significant Impact

(The project will not result in a significant impact on the quality of the human environment.)

Finding of Significant Impact

(The project may significantly affect the quality of the human environment.)

Preparer Signature: 

Date: 7/17/2019

Name/Title/Agency: Drake Danley, PE – Kimley-Horn and Associates, Inc.

Certifying Officer Signature: 

Date: 8/13/2019

Name/Title/City or County: Lee Harris – Mayor, Shelby County, Tennessee

Description of the Proposed Project:

Include all contemplated actions, which logically are either geographically or functionally a composite part of the project, regardless of the source of funding (24 CFR Part 58.32; 40 CFR Part 1508.25). Include alternatives to the project.

Shelby County Government is proposing a series of open space and infrastructure project elements that will help make the greater Memphis area more resilient in future disaster and flooding events. The Wolf River Wetland Restoration and Greenway activity encompasses improvements at three distinct locations: Rodney Baber Park, John F. Kennedy Park, and Orchi Road between Highland Street and Jackson Avenue.

Rodney Baber Park

Rodney Baber Park is located directly south of James Road, half a mile west of Hollywood and is bounded by McLean on the West and Interstate 40 on the South. The proposed concept plan for Rodney Baber Park will consist of up to four (4) soccer fields, one (1) baseball diamond, one (1) fishing lake, a large farmer's market/festival pavilion and festival grounds, multi-use trails, one (1) proposed wetland with boardwalk, preservation of existing wetlands, a playground and shade structure, and the associated parking for the aforementioned facilities. It is anticipated that this activity will be completed over two phases of construction. The site will be terraced and tie into the existing grades along the identified T.V.A. easement. Approximately 19 acres will be raised above the floodplain and approximately 275,000 cubic yards of net fill will be required. Site grading up to the 100-year flood elevation will be balanced. The site will be graded down to match the existing elevation at the 250-foot wide T.V.A. easement along the southern portion of the property. Due to the increased elevations at Rodney Baber Park, a 1:1 stormwater mitigation will be required to compensate for the additional fill on-site in the existing floodplain. The majority of the fill material required to meet the mitigation requirements will be taken from the proposed wetland and fishing lake in Rodney Baber Park and also from John F. Kennedy Park.

John F. Kennedy Park

John F. Kennedy Park (Kennedy Park) is located south of Raleigh-Lagrange Road and northeast of Interstate 40 on a parcel owned by the City of Memphis. The property is roughly 260 acres, but the activity site will only disturb approximately 32.2 acres. The concept for Kennedy Park includes replacing five existing baseball/softball diamonds with approximately four soccer fields, a paved trail, which incorporates approximately 54,000 square feet of the proposed bicycle/pedestrian trails throughout the park connecting to the Wolf River Greenway, linking the park to the Midsouth Greenprint in two places. Some of the soccer fields will be re-graded to serve as detention during intense storm events. The site grading will result in a net excavation of approximately 155,000 cubic yards from the floodplain. The excavated material will be transported and used as fill in Rodney Baber Park. Two (2) new wetlands will be created south of the proposed soccer fields. The proposed improvements to Kennedy Park are anticipated to be completed in two phases of construction.

Orchi Road

Orchi Road is located east of Highland Street, north of Chelsea Avenue, and west of Jackson Avenue. Orchi Road will be reconstructed as a complete street with bicycle facilities along the north side of the road providing a direct connection from the surrounding low and moderate income (LMI) neighborhoods to the Wolf River Greenway. Sidewalks and street trees will be incorporated on each side of Orchi Road for pedestrian access.

Statement of Need for Proposal: (40 CFR Part 1508.9(b))

The Wolf River Wetland Restoration and Greenway project will establish open space and infrastructure elements to help make Shelby County more resilient in future disasters and floods. Vulnerabilities in the community include infrastructure, recreational spaces, residential properties, and roads that fall within the FEMA 100 and 500-year floodplains.

A primary concern in Rodney Baber Park is mechanical and electrical infrastructure damaged during the 2011 disasters and at risk in future floods. After the 2011 disasters, several homes incurred losses and remained damaged and unrepaired. Neighborhoods in the area are low to moderate income where the estimated cost to repair and maintain properties over time can exceed the market value of homes. Orchi Road, between Highland Street and Jackson Avenue, demonstrated stormwater overtopping during the 2011 floods inundating six residences on the south side of Orchi. Three of the homes have not been adequately repaired. In addition, abandonment of low valued, damaged properties has led to blighted conditions in the Orchi Road neighborhood.

Rodney Baber Park

Rodney Baber Park has a community baseball park with eight (8) baseball diamonds. During the 2011 disasters, the area was entirely inundated by floodwaters that destroyed the electrical infrastructure. The primary purpose of activity in this park is to resolve and address the damaged electrical facilities on the park property. The flooding occurred because the facility elevation was lower than the river elevation. As a solution, the approximately 56 acres site will be raised above the floodplain to ensure resilience from future floods. This will include relocation of mechanical and electrical equipment above the flood elevation to prevent future flood damage. A terraced landscape approach will allow water to rise one level at a time, dissipating the initial inundation surge while excavation east of the site will add flood storage capacity and increase stormwater detention. Proposed wetlands will also collect stormwater and provide further storage capacity for flood water to infiltrate the ground or evaporate. Implementing green alternatives such as rain barrels and rainwater storage cisterns at the proposed pavilion for reuse around community gardens could prevent further stormwater runoff and serve to harvest rainwater for irrigation.

Following the infill, the proposed concept plan for Rodney Baber Park will consist of soccer fields, a baseball diamond, a fishing lake, a public pavilion with festival grounds, trails, a new wetland area, preservation of existing wetlands, and other recreational facilities. The site will be terraced and tie into the existing grades along adjacent TVA transmission line right-of way.

John F. Kennedy Park

The primary goal of activities at Kennedy Park is to reduce flooding downstream of the park in areas along the Wolf River. To accomplish this, the expansion and addition of wetlands will provide areas for detention and serve as a water quality buffer before water subsides. Lowering the elevation of the ground surface in existing soccer fields will create a depressed area to act as detention during flood events. Fill material used to elevate portions of Rodney Baber Park will be acquired from Kennedy Park. The borrow area in Kennedy Park will be converted to soccer fields that can serve as a detention basin during flood events.

Both the Rodney Baber Park and Kennedy Park improvements will also benefit the surrounding community and function as destinations for low to moderate income communities along the Wolf River

Greenway, becoming a multi-use activity center for an array of interests and educational purposes. Each aspect was strategically incorporated into the overall design with careful thought attributed to projected co-benefits, such as quality of life and health of the community.

In addition to furnishing the area with a community park promoting recreation and vibrancy, the park will provide connections to the Wolf River Greenway via a bike lane along McLean Avenue, a proposed on-street bike lane on James Road, and potential trails throughout the park and within the green space along TVA right-of-way.

Orchi Road

During the 2011 disasters, stormwater overtopped Orchi Road from the north side flooding 20 homes on Orchi and Kendrick Street. Records indicate that only 6 of the homes on Orchi Road recorded a claim, and of those, 3 are still identified as having unmet recovery needs. In addition, 5 homes were flooded on the north side of Orchi Road. The proposed activity entails construction of a detention basin and a small berm on the northern end of the project limits to minimize impacts of future flood events on the surrounding homes. Orchi Road will be reconstructed as a Complete Street with bicycle facilities and sidewalk improvements along the north side of the road to provide a direct connection between the surrounding low to moderate income neighborhoods and the Wolf River Greenway via protected bike lanes on Highland Street.

Existing Conditions and Trends:

Describe the existing conditions of the project area and its surroundings, and trends likely to continue in the absence of the project (land use, soils, etc) (24 CFR Part 58.40(a)).

Rodney Baber Park

Rodney Baber Park is currently in use as a dedicated public park owned and operated by the City of Memphis. The property immediately to the east of the park that is being acquired as a part of the project is undeveloped and has previously been in agricultural use. Both properties are almost entirely within the floodplain of the Wolf River, with only small portions along the northern boundaries falling outside of the floodplain. The park is bound by Interstate 240 to the south and a mix of residential and commercial properties to the west, north, and east. Without the proposed improvements, it is expected that the current land uses will continue.

John F. Kennedy Park

Kennedy Park is currently in use as a dedicated public park owned and operated by the City of Memphis. The property is entirely within the floodplain of the Wolf River. The park is bound by the Wolf River to the south and west and by residential properties to the north and east. Without the proposed improvements, it is expected that the current land uses will continue.

Orchi Road

Orchi Road is entirely within a residential area, bound by Highland Street to the west and Jackson Avenue to the west. The northern third of the project area is within the Wolf River floodplain. Without the proposed improvements, it is expected that the current land uses will continue.

**Wolf River Wetland Restoration and Greenway
National Disaster Resilience Grant No. B-13-US-47-0002
Shelby County, Tennessee**

Attachment A

CDBG Worksheets

CDBG Worksheets

A-01 Environmental Review Requirement Checklist

A-03 Statutory Worksheet

A-05 Eight Step Process Documentation

A-06 NEPA Environmental Assessment Checklist

A-10 Early Notice and Public Review

A-11 Final Notice and Public Explanation

A-12 Concurrent Notice of FONSI and Notice of Intent to RROF

A-20 Tribal Consultation

A-26 Farmland Protection

A-27 Explosive and Flammable Operations

A-28 Clear Zones and Accident Potential Zones

A-29 Toxic Chemicals and Radioactive Material

A-01 Environmental Review Requirement Checklist

ENVIRONMENTAL REVIEW REQUIREMENT CHECKLIST

Project: Wolf River Wetland and Greenway Restoration

| Requirements | | N/A | Environmental Assessment | Categorically Excluded | Categorically Excluded Converted to Exempt | Exempt | Aggregate – Previous ERR Still valid | Adoption of Other Agencies' EA | Addendum |
|----------------------|--|-----|--------------------------|------------------------|--|--------|--------------------------------------|--------------------------------|----------|
| | | | 8-12 | 12-16 | 16 | 16-17 | 18-19 | 17 | 17-18 |
| Corresponds to form: | Corresponds to ERR Chapter Pages: | | | | | | | | |
| A-2 | Environmental Assessment Narrative | | | | | | | | |
| | Grant Data | | | | | | | | |
| | Conditions for Approval | | X | | | | | | |
| | * Finding and Signature Date: 08/13/19 | | X | | | | | | |
| | Description of proposal | | X | | | | | | |
| | Statement of Need for proposal | | X | | | | | | |
| | Existing conditions and trends | | X | | | | | | |
| | Map with project delineated | | X | | | | | | |
| A-3 | Statutory Worksheet * Signature Date: 08/13/19 | | X | | | | | | |
| | SHPO Letter * Signature Date: 07/27/17 | | X | | | | | | |
| | All Tribal Consultations * Sent Date: 06/13/2017 Response Date: 06/13/2017, 07/6/2017 | | X | | | | | | |
| A-6 | NEPA Environmental Assessment Checklist * Signature Date: 08/13/19 | | X | | | | | | 1 |
| A-10 | Early Notice and Public Review (For floodplain projects) Publication Date: 02/23/2018 | | X | | | | | | |
| A-11 | Final Notice and Public Explanation (For floodplain projects) Publication Date: 04/06/2018 | | X | | | | | | |

ENVIRONMENTAL REVIEW REQUIREMENT CHECKLIST

Project: Wolf River Wetland and Greenway Restoration

| Requirements | | N/A | Environmental Assessment | Categorically Excluded | Categorically Excluded Converted to Exempt | Exempt | Aggregate – Previous ERR Still valid | Adoption of Other Agencies' EA | Addendum |
|--------------|--|----------------------|-----------------------------------|------------------------|--|--------|--------------------------------------|--------------------------------|----------|
| | | Corresponds to form: | Corresponds to ERR Chapter Pages: | | | | | | |
| A-12 | Concurrent Notice * Publication Date: 08/16/19 OR Posting Date: N/A | | X | | 16 | 16-17 | 18-19 | 17 | 17-18 |
| A-13 | Notice of Intent to Request Release of Funds * Publication Date: (N/A - See Concurrent Notice) OR Posting Date: N/A | X | | | | | | | |
| A-14 | Distribution List (with proof) Date EN&PR Letter Sent: N/A Date FN&PE Letters Sent: N/A Date Concurrent Notice Letters Sent: N/A | X | | | | | | | |
| | Documentation of Flood Insurance (For structures only) | X | | | | | | | |
| | Copy of Adopted EIA/EA | | | | | | | | |
| A-18 | Addendum of Validity Signature Date: N/A | X | | | | | | | |
| A-3 | Finding of Categorical Exclusion * Signature Date * 08/13/19 | | X | | | | | | |
| A-16 | Certification and Checklist for Exempt Status Signature Date: N/A | X | | | | | | | |
| A-17 | Request for Release of Funds/Certification ** Signature Date: 09/12/19 | | | | | | 2 | | |

* The signature date must precede the publication date of the NOI/RROF or the Concurrent Notice and the Distribution List Letters

** The signature date must be after local review

1 – Check with ECD before completing. Only needed if original ERR was an EA.

2 – Needed if original project was funded in a previous year

A-03 Statutory Worksheet

STATUTORY WORKSHEET

24 CFR §50.4, 58.5, 58.6 Laws, Statutes, Executive Orders & Regulations

Use this worksheet for projects that need an Environmental Assessment or are Categorically Excluded per 24 CFR §58.35(a).

PROJECT NAME and DESCRIPTION –

Include all contemplated actions that logically are either geographically or functionally part of the project:

Wolf River Wetland and Greenway Restoration:

1. Grading and facility improvements to Rodney Baber Park.
2. Grading and facility improvements to John F. Kennedy Park.
3. Drainage and complete street improvements to Orchi Road.

SEWER SYSTEM PROJECTS ONLY:

LIST DATE AND CATEGORY OF LAST ERR

N/A

Compliance Factors:

| <p>STATUTES, EXECUTIVE ORDERS AND REGULATIONS LISTED AT 24 CFR 58.5 & 58.6</p> | <p>A/B</p> | <p>COMPLIANCE DETERMINATION</p> |
|--|-----------------|---|
| <p>HISTORIC PRESERVATION NHPA partic. 106, 110; 36 CFR 800</p> | <p>A</p> | <p>SHPO response letter date: 2017-07-27</p> <p>SHPO response: SHPO determined that no historic properties eligible for listing in the National Register of Historic Places will be affected by the project.</p> <p>THPO response letter date(s): Chickasaw Nation – 2017-07-20 Choctaw Nation – 2017-07-28 Coushatta Tribe – 2017-06-13 Muscogee (Creek) Nation – 2017-07-06</p> <p>THPO response(s): See attached documentation in A-20.</p> <p>List of Tribes that did not respond: Quapaw Tribe of Indians Alabama-Quassarte Tribal Town</p> |
| <p>FLOODPLAIN MANAGEMENT 24 CFR 55; EO 11988 partic. 2(a)</p> | <p>B</p> | <p>In floodplain; 8-Step Process completed and no alternative was identified as feasible.</p> <p>FIRM map #(s) :</p> <ul style="list-style-type: none"> • Rodney Baber Park Shelby County – 47157C0280F (Panel 280 of 635, September 28, 2007) • Kennedy Park Shelby County – 47157C0285F (Panel 285 of 635, September 28, 2007) • Orchi Road Shelby County – 47157C0290F (Panel 290 of 635, September 28, 2007) |
| <p>WETLAND PROTECTION EO 11990 partic. (2), (5)</p> | <p>B</p> | <p>Preliminary Jurisdictional Determinations were received from the USACE on 1/10/2018 and 2/20/2018.</p> <p>The following permits will be required:</p> <ul style="list-style-type: none"> • TDEC NPDES (All sites) • TDEC Water Quality (401) (Baber Park and Kennedy Park sites) • United States Army Corps ARAP (404) (Baber Park and Kennedy Park sites) <p>All required permits will be obtained before the start of construction.</p> |

| | | |
|---|---|--|
| <p>COASTAL ZONE MANAGEMENT ACT CZMA Sections 307(c) & (d)</p> | A | There are no coastal zones in Tennessee. See attached documentation. |
| <p>SOLE SOURCE AQUIFERS SDWA partic. 1424(e); 40 CFR 149</p> | A | There are no Sole Source Aquifers in Tennessee. See attached documentation. |
| <p>ENDANGERED SPECIES ACT ESA partic. Section 7; 50 CFR 402</p> | B | There are no impacts to threatened or endangered species anticipated as a result of the proposed project. See Attachment G. |
| <p>WILD AND SCENIC RIVERS ACT WSRA partic. Sections 7(b) & (c)</p> | A | There are no Wild and Scenic Rivers in Shelby County. See attached map. |
| <p>CLEAN AIR ACT CAA partic. Section 176(c) & (d); 40 CFR 6, 51, 93</p> | A | The projects are located in an attainment area. See attached documentation. Clearance letter from Shelby County Health Department received on 7/20/2017. Clearance letter from TDEC Division of Air Pollution Control received on 7/28/2017. |
| <p>FARMLAND PROTECTION POLICY ACT FPPA partic. 1504(b) & 1541; 7 CFR 658</p> | A | See attached documentation in A-26. |
| <p>EXPLOSIVE & FLAMMABLE HAZARDS 24 CFR 51C</p> | A | See attached documentation in A-27. |
| <p>NOISE ABATEMENT & CONTROL NCA; QCA; 24 CFR 51B</p> | A | See attached noise documentation and DNL calculations. |
| <p>AIRPORT CLEAR ZONES & ACCIDENT POTENTIAL ZONES 24 CFR 51D</p> | A | See attached documentation in A-28 and radius map. |
| <p>CONTAMINATION & TOXIC SUBSTANCES 24 CFR 50.3(i), 58.5(i)(2)</p> | A | See completed A-29 and EnviroFacts. |
| <p>ENVIRONMENTAL JUSTICE EO 12898</p> | | Project will not negatively affect low and moderate incomes and minority populations. Memo Date- June 22, 2017 |

DETERMINATION:

This project converts to Exempt, per § 58.34(a)(12), because it does not require any mitigation for compliance with any listed statutes or authorities, nor requires any formal permit or license (Status "A" has been determined in the status column for all authorities.) Funds may be drawn down for this (now) EXEMPT project;

OR

This project cannot convert to Exempt and is Categorically Excluded because one or more statutes/authorities require consultation or mitigation. Complete consultation/mitigation requirements, publish NOI/RROF and obtain Authority to Use Grant Funds (HUD 7015.16) per §§ 58.370 and 58.71 before drawing down funds;

OR

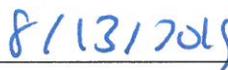
The unusual circumstances of this project may result in a significant environmental impact. This project requires preparation of an Environmental Assessment (EA). Prepare the EA according to 24 CFR Part 58 Subpart E.

OR

This is documentation as an ERR addendum or adoption of another Agency's ERR. The original ERR or adopted ERR is current/valid.



Signature of Certifying Officer



Date

Mayor, Shelby County

Title of Certifying Officer

A-03 Statutory Worksheet – Coastal Zone Management



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Coastal Zone Management Act (CEST and EA) – PARTNER

<https://www.onecpd.info/environmental-review/coastal-zone-management>

Projects located in the following states must complete this form.

| | | | | | |
|--------------------|----------|---------------|-----------------------------|----------------|----------------|
| Alabama | Florida | Louisiana | Mississippi | Ohio | Texas |
| Alaska | Georgia | Maine | New Hampshire | Oregon | Virgin Islands |
| American Samona | Guam | Maryland | New Jersey | Pennsylvania | Virginia |
| California | Hawaii | Massachusetts | New York | Puerto Rico | Washington |
| Connecticut | Illinois | Michigan | North Carolina | Rhode Island | Wisconsin |
| Delaware | Indiana | Minnesota | Northern Mariana Islands | South Carolina | |

1. Is the project located in, or does it affect, a Coastal Zone as defined in your state Coastal Management Plan?

Yes → Continue to Question 2.

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a Coastal Zone.

2. Does this project include activities that are subject to state review?

Yes → Continue to Question 3.

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.

3. Has this project been determined to be consistent with the State Coastal Management Program?

Yes, with mitigation. → The RE/HUD must work with the State Coastal Management Program to develop mitigation measures to mitigate the impact or effect of the project.

Yes, without mitigation. → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.

No → Project cannot proceed at this location.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The state of Tennessee does not have a defined Coastal Zone or associated Coastal Zone Management program.



Coastal Zone Management Programs

- | | | |
|-------------------------------|--------------------------------|--|
| Alabama | Alaska (*) | American Samoa |
| California | Connecticut | Delaware |
| Florida | Georgia | Guam |
| Hawaii | Illinois | Indiana |
| Louisiana | Maine | Maryland |
| Massachusetts | Michigan | Minnesota |
| Mississippi | New Hampshire | New Jersey |
| New York | North Carolina | Northern Mariana Islands |
| Ohio | Oregon | Pennsylvania |
| Puerto Rico | Rhode Island | South Carolina |
| Texas | Virgin Islands | Virginia |
| Washington | Wisconsin | |

- [About the National Program](#)
- [States and Territories](#)
- [Coastal Zone Management Act](#)
- [Regulations](#)
- [National Program Funding Summary](#)
- [Program Guidance](#)
- [National Program Publications](#)
- [Evaluations](#)
- [Performance Measures](#)

** All 35 coastal and Great Lakes states and territories (with the exception of Alaska) participate in the National Coastal Zone Management Program.*

ALABAMA

The [Alabama Coastal Management Program](#), approved by NOAA in 1979, is administered by two state agencies:

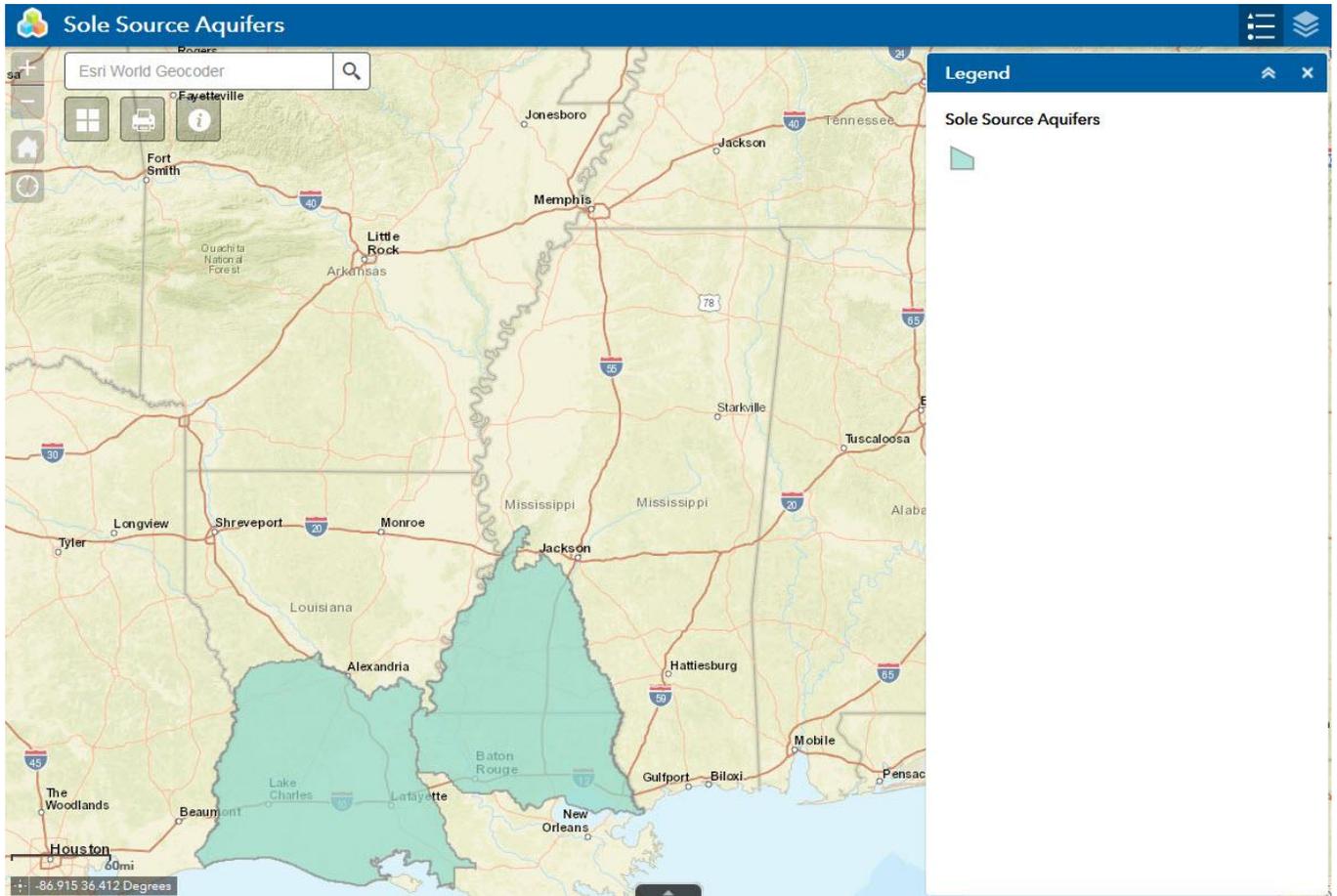
- The [Alabama Department of Conservation and Natural Resources](#) is responsible for planning, fiscal management, public education, and research management; and the
- [Alabama Department of Environmental Management](#) carries out permitting, regulatory, and enforcement functions.

The primary authority for the coastal management program is the Alabama Coastal Area Act of 1976 (Act 534). The [Alabama coastal zone](#) extends inland to the continuous 10-foot contour in Mobile and Baldwin Counties.

ALASKA

<https://coast.noaa.gov/czm/about/> Alaska withdrew from the voluntary [National Coastal Zone Management Program](#) on July 1,

A-03 Statutory Worksheet – Sole Source Aquifers



Sole Source Aquifer Mapping

<https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b>

A-03 Statutory Worksheet – Air Quality



July 20, 2017

Ms. Michelle W. Owenby
Tennessee Department of Environment and Conservation
Division of Air Pollution Control
312 Rosa L. Parks Avenue, 15th Floor
Nashville, TN 37243
Air.Pollution.Control@tn.gov

RE: *Air Quality Impacts*
 Wolf River Wetland and Restoration Greenway Project
 National Disaster Resilience Grant No. B-13-US-47-0002

Dear Ms. Owenby,

Shelby County Government is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, Shelby County Public Works has assumed HUD's environmental review responsibilities for the project, including air quality impact reviews.

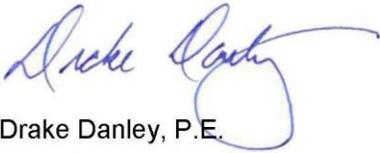
I am writing to request your review of the project and your determination of the project's proposed air quality impacts, as well as a listing of any permits that may be required from your office.

Enclosed is a map that shows the project areas. The project consists of work performed at three distinct locations within Shelby County:

1. *Kennedy Park* – The existing park area housing multiple baseball fields will be lowered to provide additional storm detention area. The fields will be repurposed as soccer fields along with the addition of new parking areas, a playground, and a picnic area. An existing wetland in the southeast corner of the park will also be expanded. Kennedy Park is located at 4577 Raleigh-Lagrange Road, Memphis, Tennessee.
2. *Rodney Baber Park* – A significant section of Rodney Baber Park will be redesigned. The existing baseball fields will be replaced with soccer fields, a playground, revised parking locations, and a festival area to include a farmer's market pavilion. Walking trails will be added throughout the park, along with a new wetland area and a fishing lake. Rodney Baber Park is located at 2215 James Road, Memphis, Tennessee.
3. *Orchi Road* – Between Jackson Avenue and Highland Street, Orchi Road will be improved to include sidewalks, bike lanes, landscaping, and drainage improvements on the north end.

Please reply by email or letter with any comments or questions you may have regarding the project. If you need additional information to complete your review or would like to discuss the project, please do not hesitate to contact me at 901-334-5318.

Sincerely,



Drake Danley, P.E.

Project Engineer

Drake.Danley@kimley-horn.com

Attachments (via email)

- Project Location Mapping
- Conceptual Design Plan for each site
- Project Photo Log for each site
- Current TN Air Quality Status Maps
- HUD Air Quality Worksheet

Danley, Drake

From: Robert Brawner <Robert.Brawner@tn.gov>
Sent: Friday, July 28, 2017 8:11 AM
To: Danley, Drake
Cc: Marc Corrigan; Lacey Hardin; Matthew K. Taylor
Subject: Wolf River Wetland Restoration and Greenway Project Air Quality Consultation

The Tennessee Department of Environment and Conservation, Division of Air Pollution Control submits the following comments on the proposed Wolf River Wetland Restoration and Greenway Project:

The proposed projects are located in Shelby County, Tennessee and fall under the air permitting authority of the local air pollution control program. We recommend contacting the local air agency to inquire about any needed air permits. Additionally, should demolition of any existing buildings be planned, an asbestos demolition notification must be provided to the local air program in advance of the demolition activity. We also recommend that appropriate dust suppression measures be implemented during any earth moving or construction related activities at the three proposed sites. The local air program should also be contacted regarding any proposed open burning activities to dispose of wood wastes as they regulate these activities in their county. We suggest that all open burning be minimized or eliminated and when this is not practical, to plan open burning to avoid burning on air quality alert days.

The contact information for the local air program is as follows:

Bob Rogers, PE, Technical Manager
Air Pollution Control Program
Shelby County Health Department
814 Jefferson Avenue
Memphis, TN 38105
Front desk phone: (901) 222-9599
E-mail: Bob.rogers@shelbycountyttn.gov

Thank you for the opportunity to comment on and provide input to your proposed projects.

Robert B.



Robert Brawner
Environmental Fellow
Air Pollution Control Division
15th Floor William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue
Nashville, TN 37243

(615) 532-0573 Office
Robert.Brawner@tn.gov

We value your feedback!

Please complete our [customer satisfaction survey](#).

From: Drake.Danley@kimley-horn.com [<mailto:Drake.Danley@kimley-horn.com>]

Sent: Thursday, July 20, 2017 2:11 PM

To: Air.Pollution Control

Subject: Air Quality Consultation - Wolf River Wetland Restoration and Greenway Project

***** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. *****

ATTN: Ms. Michelle W. Owenby

=====

Ms. Owenby,

We are working with the Shelby County Government on the Wolf River Wetland Restoration and Greenway Project, funded by HUD as a part of the National Disaster Resilience Competition grant program. The environmental documentation for the project, including a review of potential air quality impacts, is being prepared following HUD and CDBG guidelines.

I am writing to request your office's review of the project and your determination of the project's proposed air quality impacts, as well as a listing of any permits that may be required from your office.

The project consists of work performed at three distinct locations within Shelby County:

1. Kennedy Park – The existing park area housing multiple baseball fields will be lowered to provide additional storm detention area. The fields will be repurposed as soccer fields along with the addition of new parking areas, a playground, and a picnic area. An existing wetland in the southeast corner of the park will also be expanded. Kennedy Park is located at 4577 Raleigh-Lagrange Road, Memphis, Tennessee.
2. Rodney Baber Park – A significant section of Rodney Baber Park will be redesigned. The existing baseball fields will be replaced with soccer fields, a playground, revised parking locations, and a festival area to include a farmer's market pavilion. Walking trails will be added throughout the park, along with a new wetland area and a fishing lake. Rodney Baber Park is located at 2215 James Road, Memphis, Tennessee.
3. Orchi Road – Between Jackson Avenue and Highland Street, Orchi Road will be improved to include sidewalks, bike lanes, landscaping, and drainage improvements on the north end.

Please reply by email or letter with any comments or questions you may have regarding the project. If you need additional information to complete your review or would like to discuss the project, please do not hesitate to contact me at 901-334-5318.

Thanks,

Drake

Drake Danley, P.E.

Kimley-Horn | 6750 Poplar Avenue, Suite 600, Memphis, TN 38138

Direct: 901 334 5318 | Mobile: 901 361 2123

Connect with us: [Twitter](#) | [LinkedIn](#) | [Facebook](#) | [Instagram](#)



July 19, 2017

Mr. Robert Rogers, P.E.
Manager, Pollution Control
Shelby County Health Department
Pollution Control Division
814 Jefferson Avenue
Memphis, TN 38105

RE: *Air Quality Impacts*
Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear Mr. Rogers,

Shelby County Government is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, Shelby County Public Works has assumed HUD's environmental review responsibilities for the project, including air quality impact reviews.

I am writing to request your review of the project and your determination of the project's proposed air quality impacts, as well as a listing of any permits that may be required from your office.

Enclosed is a map that shows the project areas. The project consists of work performed at three distinct locations within Shelby County:

1. *Kennedy Park* – The existing park area housing multiple baseball fields will be lowered to provide additional storm detention area. The fields will be repurposed as soccer fields along with the addition of new parking areas, a playground, and a picnic area. An existing wetland in the southeast corner of the park will also be expanded.
2. *Rodney Baber Park* – A significant section of Rodney Baber Park will be redesigned. The existing baseball fields will be replaced with soccer fields, a playground, revised parking locations, and a festival area to include a farmer's market pavilion. Walking trails will be added throughout the park, along with a new wetland area and a fishing lake.
3. *Orchi Road* – Between Jackson Avenue and Highland Street, Orchi Road will be improved to include sidewalks, bike lanes, landscaping, and drainage improvements on the north end.

Please reply by email or letter with any comments or questions you may have regarding the project. If you need additional information to complete your review or would like to discuss the project, please do not hesitate to contact me at 901-334-5318.

Sincerely,



Drake Danley, P.E.
Project Engineer

Drake.Danley@kimley-horn.com

Attachments (via email)

- Project Location Mapping
- Conceptual Design Plan for each site
- Project Photo Log for each site
- Current TN Air Quality Status Maps
- HUD Air Quality Worksheet



MARK H. LUTTRELL, JR.
MAYOR

SHELBY COUNTY HEALTH DEPARTMENT

ALISA R. HAUSHALTER, DNP, RN
DIRECTOR

HELEN MORROW, MD, MPA
HEALTH OFFICER



Public Health
Prevent. Promote. Protect.

July 20, 2017

Drake Danley, P.E.
Kimley-Horn
6750 Poplar Av.
Ste. 600
Memphis, TN 38138

RE: Wolf River Restoration and Greenway Project

Dear Mr. Danley:

The Pollution Control Section of the Shelby County Health Department is the enforcement authority for federal, state and local regulations regarding air quality within Shelby County. Currently, Shelby County is in attainment for all National Ambient Air Quality Standards (NAAQS). Shelby County is a Maintenance Area for the carbon monoxide and the 2008 ozone NAAQS.

It is clear from the description of the Wolf River Restoration and Greenway Project that there will be no direct or indirect emissions associated with the project approaching the de minimus levels identified at 40 CFR 93 §153 which would require a formal conformity determination. Further, it is also apparent this project does not include any stationary sources of air emissions that would need to receive a minor source permit from this office. Please be advised that under local codes, there is a general duty to take reasonable measures to minimize fugitive dust emissions from any type of construction project.

If you need further information regarding this matter, please contact my office at (901)222-9599.

Sincerely,

Robert Rogers, P.E.
Manager, Pollution Control

Mission

To promote, protect and improve the health and environment of all Shelby County residents.

814 Jefferson Avenue ♦ Memphis, Tennessee 38105
(901) 222-9000

A-03 Statutory Worksheet – Wild and Scenic Rivers

Wild and Scenic Rivers

The Obed River, located in East Tennessee, is the only Wild and Scenic River in Tennessee. It is located over 300 miles away from the project locations.



A-03 Statutory Worksheet – Noise Abatement and Control



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Noise (CEST Level Reviews) – PARTNER

<https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control>

1. What activities does your project involve? Check all that apply:

- New construction for residential use

NOTE: HUD assistance to new construction projects is generally prohibited if they are located in an Unacceptable zone, and HUD discourages assistance for new construction projects in Normally Unacceptable zones. See 24 CFR 51.101(a)(3) for further details.

→ Continue to Question 4.

- Rehabilitation of an existing residential property

NOTE: For modernization projects in all noise zones, HUD encourages mitigation to reduce levels to acceptable compliance standards. See 24 CFR 51 Subpart B for further details.

→ Continue to Question 2.

- None of the above

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

2. Do you have standardized noise attenuation measures that apply to all modernization and/or minor rehabilitation projects, such as the use of double glazed windows or extra insulation?

- Yes

Indicate the type of measures that will apply (check all that apply):

- Improved building envelope components (better windows and doors, strengthened sheathing, insulation, sealed gaps, etc.)

- Redesigned building envelope (more durable or substantial materials, increased air gap, resilient channels, staggered wall studs, etc.)

- Other (explain below)

[Click here to enter text.](#)

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below and provide any documentation.

- No

→ Continue to Question 3.

3. **Complete the Preliminary Screening to identify potential noise generators in the vicinity (1000' from a major road, 3000' from a railroad, or 15 miles from an airport).**

Describe findings of the Preliminary Screening:

[Click here to enter text.](#)

→ *Continue to Question 6.*

4. **Complete the Preliminary Screening to identify potential noise generators in the vicinity (1000' from a major road, 3000' from a railroad, or 15 miles from an airport).**

Indicate the findings of the Preliminary Screening below:

- There are no noise generators found within the threshold distances above.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing the location of the project relative to any noise generators.*

- Noise generators were found within the threshold distances.

→ *Continue to Question 5.*

5. **Complete the Noise Assessment Guidelines to quantify the noise exposure. Indicate the findings of the Noise Assessment below:**

- Acceptable: (65 decibels or less; the ceiling may be shifted to 70 decibels in circumstances described in §24 CFR 51.105(a))

Indicate noise level here: [Click here to enter text.](#)

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide noise analysis, including noise level and data used to complete the analysis.*

- Normally Unacceptable: (Above 65 decibels but not exceeding 75 decibels; the floor may be shifted to 70 decibels in circumstances described in 24 CFR 51.105(a))

Indicate noise level here: [Click here to enter text.](#)

Is the project in a largely undeveloped area¹?

- No → *The project requires completion of an Environmental Assessment (EA) pursuant to 51.104(b)(1)(i).*

- Yes → *The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i).*

→ *Work with the RE/HUD to elevate the level of review. Provide noise analysis, including noise level and data used to complete the analysis.*

Continue to Question 6.

- Unacceptable: (Above 75 decibels)

Indicate noise level here: [Click here to enter text.](#)

¹ A largely undeveloped area means the area within 2 miles of the project site is less than 50 percent developed with urban uses and does not have water and sewer capacity to serve the project.

***The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). Work with HUD or the RE to either complete an EIS or obtain a waiver signed by the appropriate authority.
→ Continue to Question 6.***

6. HUD strongly encourages mitigation be used to eliminate adverse noise impacts. Work with the RE/HUD on the development of the mitigation measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

Mitigation as follows will be implemented:

Click here to enter text.

→ Provide drawings, specifications, and other materials as needed to describe the project's noise mitigation measures.

Continue to the Worksheet Summary.

No mitigation is necessary.

Explain why mitigation will not be made here:

Click here to enter text.

→ Continue to the Worksheet Summary.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The projects do not involve construction for residential use. Two sites, Rodney Baber Park and Kennedy Park, are recreational open-land sites available for use by the general public. The third site, Orchi Road, is an existing local roadway with residential properties along the proposed project corridor.

None of the project areas are close enough to the Memphis International Airport to be impacted by airport noise. None of the project areas is located near an "impulse sound" generator that would warrant consideration. The major source of noise at all of the project locations is roadway traffic noise.

Rodney Baber Park

Major noise sources at Rodney Baber Park are Interstate 240 to the south and James Road to the north. The DNL calculation for the park area adjacent to James Road is 53.9, which is in the acceptable range. The DNL calculation for the park area adjacent to I-240 is 67.7, which is slightly above the acceptable threshold of 65. There is an approximately 450' wide buffer of dense trees between the interstate and the park, which should provide a natural noise reduction of at least 2.7 dB(A) to move the noise level into the acceptable level.

John F. Kennedy Park

Major noise sources at Kennedy Park are Interstate 240 to the southwest and Raleigh-Lagrange Road to the north. The DNL calculation for the park area adjacent to I-240 is 63, which is in the acceptable range. The DNL calculation for the park area adjacent to Raleigh-Lagrange Road is 48, which is also in the acceptable range.

Orchi Road

Major noise sources for residences along Orchi Road are Highland Street to the west and Jackson Avenue to the east. Traffic along Orchi Road itself is both low volume and low speed. The DNL calculation for the residences adjacent to Highland Street is 56.6, which is in the acceptable range. The DNL calculation for the residences adjacent to Jackson Avenue is 63.4, which is also in the acceptable range.

| | |
|--------------------|-------------------|
| Site ID | Rodney Baber Park |
| Record Date | 6/23/2017 |
| User's Name | Drake Danley |

| | |
|-----------------------|------|
| Road # 1 Name: | I240 |
|-----------------------|------|

Road #1

| Vehicle Type | Cars <input checked="" type="checkbox"/> | Medium Trucks <input type="checkbox"/> | Heavy Trucks <input checked="" type="checkbox"/> |
|------------------------------|--|--|--|
| Effective Distance | 850 | | 850 |
| Distance to Stop Sign | | | |
| Average Speed | 65 | | 55 |
| Average Daily Trips (ADT) | 84676 | | 9409 |
| Night Fraction of ADT | 15 | | 15 |
| Road Gradient (%) | | | 2 |
| Vehicle DNL | 60.5 | | 66.8 |
| Calculate Road #1 DNL | 67.7 | Reset | |

| | |
|------------------------|------------------------|
| Add Road Source | Add Rail Source |
|------------------------|------------------------|

| | |
|---------------------|--|
| Airport Noise Level | |
|---------------------|--|

Loud Impulse Sounds? Yes No

| | |
|--|------|
| Combined DNL for all Road and Rail sources | 67.7 |
| Combined DNL including Airport | N/A |
| Site DNL with Loud Impulse Sound | |

Calculate

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (</programs/environmental-review/hud-environmental-staff-contacts/>)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (</resource/313/hud-noise-guidebook/>)
 - Construct noise barrier. See the **Barrier Performance Module** (</programs/environmental-review/bpm-calculator/>)

Tools and Guidance

[Day/Night Noise Level Assessment Tool User Guide](/resource/3822/day-night-noise-level-assessment-tool-user-guide/) (</resource/3822/day-night-noise-level-assessment-tool-user-guide/>)

[Day/Night Noise Level Assessment Tool Flowcharts](/resource/3823/day-night-noise-level-assessment-tool-flowcharts/) (</resource/3823/day-night-noise-level-assessment-tool-flowcharts/>)

| | |
|--------------------|-------------------|
| Site ID | Rodney Baber Park |
| Record Date | 6/23/2017 |
| User's Name | Drake Danley |

| | |
|-----------------------|-------------------|
| Road # 1 Name: | James Road |
|-----------------------|-------------------|

Road #1

| Vehicle Type | Cars <input checked="" type="checkbox"/> | Medium Trucks <input checked="" type="checkbox"/> | Heavy Trucks <input type="checkbox"/> |
|------------------------------|---|--|--|
| Effective Distance | 300 | 300 | |
| Distance to Stop Sign | | | |
| Average Speed | 45 | 45 | |
| Average Daily Trips (ADT) | 7400 | 1000 | |
| Night Fraction of ADT | 15 | 5 | |
| Road Gradient (%) | | | |
| Vehicle DNL | 53.5 | 42.7 | |
| Calculate Road #1 DNL | 53.9 | Reset | |

| | |
|------------------------|------------------------|
| Add Road Source | Add Rail Source |
|------------------------|------------------------|

| | |
|---------------------|--|
| Airport Noise Level | |
|---------------------|--|

Loud Impulse Sounds? Yes No

| | |
|--|------|
| Combined DNL for all Road and Rail sources | 53.9 |
| Combined DNL including Airport | N/A |
| Site DNL with Loud Impulse Sound | |

Calculate

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (</programs/environmental-review/hud-environmental-staff-contacts/>)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (</resource/313/hud-noise-guidebook/>)
 - Construct noise barrier. See the **Barrier Performance Module** (</programs/environmental-review/bpm-calculator/>)

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (</resource/3822/day-night-noise-level-assessment-tool-user-guide/>)

Day/Night Noise Level Assessment Tool Flowcharts (</resource/3823/day-night-noise-level-assessment-tool-flowcharts/>)

| | |
|--------------------|--------------|
| Site ID | Kennedy Park |
| Record Date | 6/23/2017 |
| User's Name | Drake Danley |

| | |
|-----------------------|------|
| Road # 1 Name: | I240 |
|-----------------------|------|

Road #1

| Vehicle Type | Cars <input checked="" type="checkbox"/> | Medium Trucks <input type="checkbox"/> | Heavy Trucks <input checked="" type="checkbox"/> |
|------------------------------|---|---|---|
| Effective Distance | 1700 | | 1700 |
| Distance to Stop Sign | | | |
| Average Speed | 65 | | 55 |
| Average Daily Trips (ADT) | 80486 | | 8943 |
| Night Fraction of ADT | 15 | | 15 |
| Road Gradient (%) | | | 2 |
| Vehicle DNL | 55.8 | | 62.1 |
| Calculate Road #1 DNL | 63 | Reset | |

| | |
|------------------------|------------------------|
| Add Road Source | Add Rail Source |
|------------------------|------------------------|

| | |
|----------------------------|--|
| Airport Noise Level | |
|----------------------------|--|

Loud Impulse Sounds? Yes No

| | |
|--|------------|
| Combined DNL for all Road and Rail sources | 63 |
| Combined DNL including Airport | N/A |
| Site DNL with Loud Impulse Sound | |

[Calculate](#)

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (</programs/environmental-review/hud-environmental-staff-contacts/>)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (</resource/313/hud-noise-guidebook/>)
 - Construct noise barrier. See the **Barrier Performance Module** (</programs/environmental-review/bpm-calculator/>)

Tools and Guidance

[Day/Night Noise Level Assessment Tool User Guide](/resource/3822/day-night-noise-level-assessment-tool-user-guide/) (</resource/3822/day-night-noise-level-assessment-tool-user-guide/>)

[Day/Night Noise Level Assessment Tool Flowcharts](/resource/3823/day-night-noise-level-assessment-tool-flowcharts/) (</resource/3823/day-night-noise-level-assessment-tool-flowcharts/>)

Site ID

Record Date

User's Name

Road # 1 Name:

Road #1

| Vehicle Type | Cars <input checked="" type="checkbox"/> | Medium Trucks <input checked="" type="checkbox"/> | Heavy Trucks <input type="checkbox"/> |
|------------------------------|--|---|---------------------------------------|
| Effective Distance | <input type="text" value="1300"/> | <input type="text" value="1300"/> | <input type="text"/> |
| Distance to Stop Sign | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Average Speed | <input type="text" value="45"/> | <input type="text" value="45"/> | <input type="text"/> |
| Average Daily Trips (ADT) | <input type="text" value="16741"/> | <input type="text" value="1860"/> | <input type="text"/> |
| Night Fraction of ADT | <input type="text" value="15"/> | <input type="text" value="15"/> | <input type="text"/> |
| Road Gradient (%) | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Vehicle DNL | <input type="text" value="47.5"/> | <input type="text" value="38"/> | <input type="text"/> |
| Calculate Road #1 DNL | <input type="text" value="48"/> | <input type="text" value="Reset"/> | |

Airport Noise Level

Loud Impulse Sounds? Yes No

| | |
|--|-----|
| Combined DNL for all Road and Rail sources | 48 |
| Combined DNL including Airport | N/A |
| Site DNL with Loud Impulse Sound | |

Calculate

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (</programs/environmental-review/hud-environmental-staff-contacts/>)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (</resource/313/hud-noise-guidebook/>)
 - Construct noise barrier. See the **Barrier Performance Module** (</programs/environmental-review/bpm-calculator/>)

Tools and Guidance

[Day/Night Noise Level Assessment Tool User Guide \(/resource/3822/day-night-noise-level-assessment-tool-user-guide/\)](/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

[Day/Night Noise Level Assessment Tool Flowcharts \(/resource/3823/day-night-noise-level-assessment-tool-flowcharts/\)](/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

| | |
|--------------------|--------------|
| Site ID | Orchi Road |
| Record Date | 6/23/2017 |
| User's Name | Drake Danley |

| | |
|-----------------------|------------------------|
| Road # 1 Name: | Highland Street |
|-----------------------|------------------------|

Road #1

| Vehicle Type | Cars <input checked="" type="checkbox"/> | Medium Trucks <input checked="" type="checkbox"/> | Heavy Trucks <input type="checkbox"/> |
|------------------------------|---|--|--|
| Effective Distance | 150 | 150 | |
| Distance to Stop Sign | | | |
| Average Speed | 50 | 50 | |
| Average Daily Trips (ADT) | 4003 | 211 | |
| Night Fraction of ADT | 15 | 15 | |
| Road Gradient (%) | | | |
| Vehicle DNL | 56.3 | 43.5 | |
| Calculate Road #1 DNL | 56.6 | Reset | |

| | |
|------------------------|------------------------|
| Add Road Source | Add Rail Source |
|------------------------|------------------------|

| | |
|---------------------|--|
| Airport Noise Level | |
|---------------------|--|

Loud Impulse Sounds? Yes No

| | |
|--|------|
| Combined DNL for all Road and Rail sources | 56.6 |
| Combined DNL including Airport | N/A |
| Site DNL with Loud Impulse Sound | |

Calculate

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (</programs/environmental-review/hud-environmental-staff-contacts/>)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (</resource/313/hud-noise-guidebook/>)
 - Construct noise barrier. See the **Barrier Performance Module** (</programs/environmental-review/bpm-calculator/>)

Tools and Guidance

[Day/Night Noise Level Assessment Tool User Guide \(/resource/3822/day-night-noise-level-assessment-tool-user-guide/\)](/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

[Day/Night Noise Level Assessment Tool Flowcharts \(/resource/3823/day-night-noise-level-assessment-tool-flowcharts/\)](/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

| | |
|--------------------|--------------|
| Site ID | Orchi Road |
| Record Date | 6/23/2017 |
| User's Name | Drake Danley |

Road # 1 Name: Jackson Avenue

Road #1

| Vehicle Type | Cars <input checked="" type="checkbox"/> | Medium Trucks <input checked="" type="checkbox"/> | Heavy Trucks <input type="checkbox"/> |
|---------------------------|--|---|---------------------------------------|
| Effective Distance | 150 | 150 | |
| Distance to Stop Sign | | | |
| Average Speed | 45 | 45 | |
| Average Daily Trips (ADT) | 23064 | 2563 | |
| Night Fraction of ADT | 15 | 15 | |
| Road Gradient (%) | | | |
| Vehicle DNL | 63 | 53.4 | |
| Calculate Road #1 DNL | 63.4 | Reset | |

Airport Noise Level

Loud Impulse Sounds? Yes No

| | |
|--|------|
| Combined DNL for all Road and Rail sources | 63.4 |
| Combined DNL including Airport | N/A |
| Site DNL with Loud Impulse Sound | |

Calculate

Mitigation Options

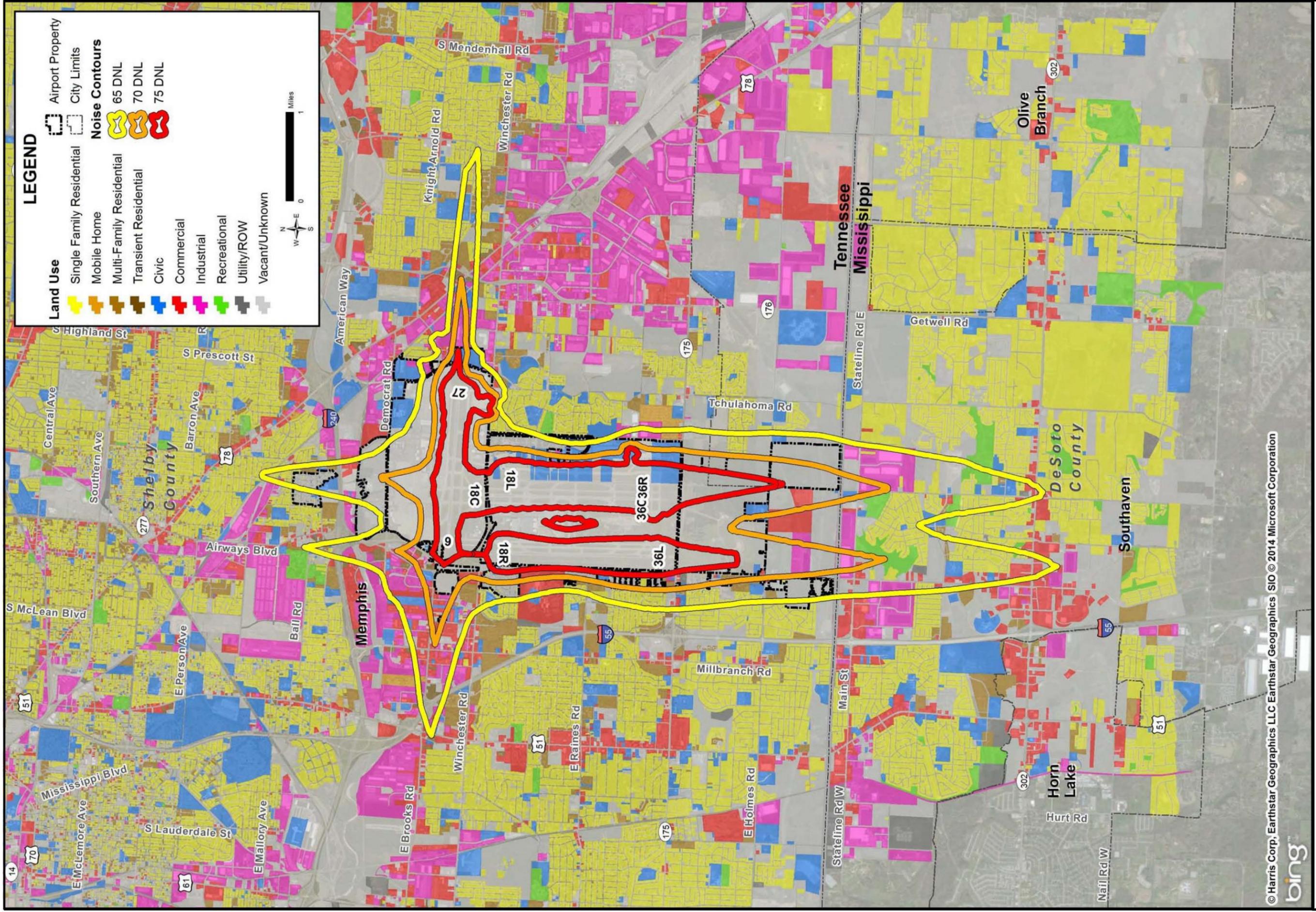
If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (</programs/environmental-review/hud-environmental-staff-contacts/>)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (</resource/313/hud-noise-guidebook/>)
 - Construct noise barrier. See the **Barrier Performance Module** (</programs/environmental-review/bpm-calculator/>)

Tools and Guidance

[Day/Night Noise Level Assessment Tool User Guide \(/resource/3822/day-night-noise-level-assessment-tool-user-guide/\)](/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

[Day/Night Noise Level Assessment Tool Flowcharts \(/resource/3823/day-night-noise-level-assessment-tool-flowcharts/\)](/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)



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**2013 EXISTING CONDITION
NOISE EXPOSURE MAP**

**FIGURE
ES.4**



A-03 Statutory Worksheet – Environmental Justice



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Environmental Justice (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/environmental-justice>

HUD strongly encourages starting the Environmental Justice analysis only after all other laws and authorities, including Environmental Assessment factors if necessary, have been completed.

1. Were any adverse environmental impacts identified in any other compliance review portion of this project’s total environmental review?

Yes → Continue to Question 2.

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

2. Were these adverse environmental impacts disproportionately high for low-income and/or minority communities?

Yes

Explain:

Click here to enter text.

→ The RE/HUD must work with the affected low-income or minority community to decide what mitigation actions, if any, will be taken. Provide any supporting documentation.

No

Explain:

Click here to enter text.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.



MEMORANDUM

To: File

From: Drake Danley, PE
Kimley-Horn and Associates, Inc.

Date: June 22, 2017

Subject: Wolf River Greenway – Environmental Justice Analysis

An Environmental Justice Analysis was completed for the proposed Wolf River Greenway project. This analysis identifies the census tracts and block groups present within the project areas and determines whether the existing block groups are considered EJ populations. Two threshold indicators are used to identify and report EJ populations as defined in “*Effective Methods for Environmental Justice Assessment*” report (National Cooperative Research Program Report 532): (1) the population average exceeds the county average by 10 percent or more and/or (2) the population is greater than 50 percent of the total population within the block group.

As shown in the table below, there are three (3) block groups within the project areas which are being analyzed for this EJ assessment based on the 2012-2016 American Community Survey (ACS) data. The three block groups identified include:

- Census Tract 102.20 Block Group 4 (Rodney Baber Park site)
- Census Tract 205.42 Block Group 4 (Kennedy Park site)
- Census Tract 89 Block Group 3 (Orchi Road site)

Minority Populations

The 2012-2016 ACS data shows that the minority population percentage for Shelby County is 64.2 percent. Within the project area, minority populations range from 61.8 percent (Orchi site) to 91.3 percent (Rodney Baber site).

As shown in the table below, all of the project sites contain minority populations that are greater than 50 percent of the total population and two contain minority populations that exceed the county average by more than 10 percentage points. Thus, all of the project sites contain minority populations which are considered EJ populations.

Low-Income Populations

Low-income populations (percent below poverty) were determined using the 2012-2016 ACS data. As shown in the table below, the low-income population percentage for Shelby County is 18.8 percent in comparison to a range of 39.8 percent (Kennedy site) to 79.2 percent (Orchi site) within the project areas. Each of the project sites contain a low-income population that is considered an EJ population.

Environmental Justice Impacts

Based on the EJ assessment, minority and low-income populations are present within the project area. However, based on the types of improvements proposed by the project activities, all people living in the project area will equally share in the opportunity to benefit from the project and it will not disproportionately impact minority or low-income populations.

Shelby County: Minority and Low-Income Population Percentages and EJ Determination

| Shelby County | | | | |
|--|-----------------------------|-------------------------------|------------------------|------------------|
| Minority Populations | | | | |
| Census Tract (CT)/Block Group (BG) | Baber CT 102.20 BG 04 | Kennedy CT 205.42 BG 04 | Orchi CT 89 BG03 | Shelby County |
| % Minority/Non-White | 91.3% | 90.4% | 61.8% | 64.2% |
| Exceeds County Average by 10% or More | Yes | Yes | No | N/A |
| Is BG Population Average >50%? | Yes | Yes | Yes | N/A |
| Meet EJ Criteria? | Yes | Yes | Yes | N/A |
| Low-Income Populations | | | | |
| Census Tract (CT)/Block Group (BG) | Baber CT 102.20 BG 04 | Kennedy CT 205.42 BG 04 | Orchi CT 89 BG03 | Shelby County |
| % Low-Income/Below Poverty Line | 43.2% | 39.8% | 79.2% | 18.8% |
| Exceeds County Average by 10% or More | Yes | Yes | Yes | N/A |
| Is BG Population Average >50%? | No | No | Yes | N/A |
| Meet EJ Criteria? | Yes | Yes | Yes | N/A |

N/A = Not Applicable
 Census data: ACS 2017 1-year unless noted

A-05 Eight Step Process Documentation

8-STEP DECISION MAKING PROCESS DOCUMENTATION

(Decision Making Process under E.O. 11988 and 24 CFR 55.20)

[Attach additional pages as necessary for any step in the process.]

STEP 1 – Determine if the proposed action/project is located in a 100-year floodplain / wetland, or 500-year floodplain for a critical action.

Attach the FEMA Firmette of the Flood Insurance Rate Map, mark the project site clearly on the map, and complete the following:

Community Name/Number: Shelby County, Tennessee Map # 47157C02280F (Rodney Baber Park)
Shelby County, Tennessee Map # 47157C02285F (Kennedy Park)
Shelby County, Tennessee Map # 47157C02290F (Orchi Road)

Map Panel and Date of Map Panel: Panel 280 of 635, dated September 28, 2007
Panel 285 of 635, dated September 28, 2007
Panel 290 of 635, dated September 28, 2007

(Continue to Step 2 if the area has been mapped.)

Check here if the area has not been mapped by FEMA, and continue below.

If the area has not been mapped by FEMA, obtain and attach the best information available from one or more of the following accepted source (check all sources used):

- Community Flood Administrator US Army Corps of Engineers
- US Geological Survey Maps
- USDA Natural Resources Conservation Service Soils Map
- Regional Planning Commission/Regional Council of Governments Mapping
- Local flood control or levee district
- Other

STEP 2 – Involve the public in the decision-making process.

Publish the Early Notice and Public Review.

The Early Notice and Public Review is a notice of the proposal to consider an action in a floodplain/wetland. The Notice must be published in the non-legal section of the newspaper of widest circulation. A minimum 15-day comment period begins the day after publication. Indicate if comments were received. If the RE receives any written comments, the RE must respond in writing, resolve any issues and provide copies to CDBG. A copy of the publication must be enclosed in the ERR.

| <u>Name of Newspaper</u> | <u>Date of Publication</u> |
|-------------------------------|----------------------------|
| <i>The Memphis Daily News</i> | <i>February 23, 2018</i> |
| <i>The Memphis Flyer</i> | <i>February 22, 2018</i> |
| <i>La Prensa Latina</i> | <i>February 25, 2018</i> |

Were adverse comments received in writing? Yes No

See Attachment A-10 for additional documentation.

STEP 3 – Evaluate alternatives to locating the proposed action in a floodplain.

Explain in detail each of the following to determine if the floodplain and/or wetland can be avoided:

- a. **Identify and explain if alternative sites suitable for the project exist outside the floodplain/wetland: (Refer to the engineer/architect, or engineering/architectural report for alternatives. Other buildings and/or sites and No Action alternatives must be evaluated.)**

There are no alternative sites suitable for the project activities. The purpose of the project is to regrade the floodplain areas in these public parks, so other sites would not be suitable for the project purpose.

- b. **Identify and explain if feasible alternative actions/methods may be used to fulfill the identical project objective: (Can different or modified actions with less chance for impact be used to fulfill the same project?)**

There are no feasible alternative actions to accomplish the project objectives. In order to improve the channels and the floodplain, the work, by definition, must occur within the floodplain.

- c. **Identify and explain if threats to lives and property and/or adverse impacts to the floodplain/wetland outweigh benefits of the proposed project: (Explain if impacts are too severe to human and natural environments to complete the project.)**

The completed project will not pose a threat to lives, adjacent properties, or the floodplain. Portions of the completed park areas (the soccer fields) will be graded so they can be used as detention during intense storm events. This is an overall benefit to both the public and the floodplain. The addition of new wetlands can also be classified as a benefit to the community, and will not negatively impact the floodplain.

STEP 4 – Identify indirect and direct impacts associated with occupying or modifying the floodplain/wetland.

If the RE determines the only practicable alternative for the project/action is occupying or modifying the floodplain/wetland, then impacts to lives and properties and impacts to floodplains and/or wetland, must be identified. If the RE determines an alternative site of the project exists out of the floodplain/wetland, project activities may still have an impact on the nearby floodplain/wetland and must also be identified to determine ways to minimize harm.

Explain in detail how the project/activity will affect the floodplain/wetland regarding the following types of impacts:

a. Positive or beneficial impacts to the floodplain/wetland, both direct and indirect:

Direct Benefits: Site grading within the floodplain will provide for additional flood storage. Construction of new wetlands in both Rodney Baber Park and Kennedy Park will return the sites to a more natural state.

Indirect Benefits: The general public will benefit as a result of easy access to recreational and educational opportunities. Many of the benefits derived will be creation of green space, easy access fishing opportunities, and hiking trails for exercise. It is envisioned that local elementary, middle, and high schools will utilize the facility for educational and recreational opportunities.

b. Negative or harmful impacts to the floodplain/wetland, both direct and indirect:

No negative or harmful impacts to the floodplain or wetlands are anticipated. Both the floodplain and the area wetlands will be improved as a result of the project.

c. Concentrated impacts – those occurring at or near the floodplain/wetland:

Both the Rodney Baber Park site and the Kennedy Park site will experience short-term concentrated impacts related to the regrading of the sites. These impacts will be minimized through the use of proper erosion prevention and sediment controls during construction. Long - term concentrated impacts will include the addition of flood storage space, installation of a lake, and creation of multiple wetlands.

d. Dispersed or remote impacts occurring distant from the floodplain/wetland:

The project will create additional flood storage capacity within the floodplain, but is not anticipated to have any remote impacts.

e. Short-term impacts to the floodplain/wetland (temporary impacts occurring immediately after an action lasting as short while):

Short term impacts to the floodplain will be limited to those that occur during construction. There will be a significant amount of earthwork grading operations on the site. The proper installation and maintenance of Erosion Prevention and Sediment Control measures during this

time period will serve to minimize the impacts to the Wolf River.

- f. Long-term impacts to the floodplain/wetland (impacts occurring during or after an action that persist for considerable time or indefinitely):**

The long term impacts to the floodplain and wetlands are all positive. Additional flood storage capacity will be provided, and new wetlands will enhance the natural resources of the sites over their current condition.

- g. Explain if project encourages development in the floodplain/wetland:**

The project does not encourage development in the floodplain. At the conclusion of the project, there will be developed portions of land that are used as recreational facilities, trails, and educational areas, but the remainder of the project sites will still be in the floodplain and in its natural state. The areas are not being graded in a manner that would allow for future development.

STEP 5 – Identify mitigation measures to minimize impacts to and to preserve benefits of the floodplain/wetland.

(Consult project engineer/architect and/or engineering/architectural report.)

- a. Explain how actions will be designed and/or modified to minimize harm to or within the floodplain/wetland.**

A detailed wetland and waters delineation survey and report was completed for each project site by Brophy-Heineke and Associates to identify existing wetlands and water courses that would be impacted and affected by these improvements. The proposed site grading and location of features were altered to avoid impacts to existing wetlands where possible and to minimize the impact to significant trees. Additionally, several new wetlands are proposed to be created within the project limits at both Rodney Baber Park and Kennedy Park.

Locations for proposed trails that pass through existing forested areas or existing wetlands were field located and adjusted as appropriate to minimize the impact to these resources.

- b. Explain how actions will be designed and/or modified to restore and/or preserve as much of the natural and beneficial floodplain/wetland values as possible.**

Multiple iterations of site layouts and grading schemes were explored at both the Rodney Baber Park site and the Kennedy Park site with the following goals in mind:

- Minimize the impact to existing trees, streams, and wetlands*
- Maximize the additional flood storage created while minimizing the grading footprint*
- Provide recreational facilities that area easily accessible in the smallest reasonable footprint*

STEP 6 – Re-evaluate alternatives identified in Step 3. Take into account all identified impacts & mitigation measures.

- a. Explain whether it is possible to modify or relocate the project/activity and why.

It is not possible to relocate the activities. The core purpose of the project is to make improvements to the public parks that both provide for recreational opportunities while also providing for improvements to the floodplain. By definition, the project must be located in the parks in the floodplain.

- b. If there are no alternatives, explain why the project/activity should occur. Consider impacts determined in Step 4 and minimization efforts identified in Step 5.

The project should occur because it will improve the flood storage capacity of the floodplain, create new wetlands to restore the areas to a more natural state, and provide for recreational and educational opportunities for the surrounding communities.

STEP 7 – If re-evaluation results in no practicable alternative to relocate the project out of the floodplain/wetland, the decision must be made public.

Publish the Final Notice and Public Explanation

The Final notice must be published in a non-legal section of the newspaper of widest circulation. A 7-day comment period begins the day after publication. This notice may be published concurrently with the Concurrent Notice or the NOI/RROF. (24 CFR Subpart C § 55.20(b)(1)). If the RE receives written comments, the RE must respond in writing, resolve issues and provide copies to CDBG. A copy of the publication must be enclosed in the ERR.

Name of Newspaper

*The Memphis Daily News
The Memphis Flyer
La Prensa Latina*

Date of Publication

*April 6, 2018
April 3, 2018
March 28, 2018*

Were adverse comments received in writing?

Yes

No

See Attachment A-11 for additional documentation.

STEP 8 – Implement the Project.

Project implementation can only proceed provided compliance has been demonstrated with respect to all of the prior steps and provided the project has been approved by the state in accordance with HUD regulation 254 CFR part 58.

The Responsible Entity has a continuing responsibility to ensure that the mitigating measures identified in Step 7 are implemented. Mitigation measures must be incorporated, as appropriate, in project contract and all related agreement documents.

Additional Information/Explanations:

N/A


PROJECT ENGINEER
Preparer's Signature/Title

MAY 4, 2018
Date

A-06 NEPA Environmental Assessment Checklist

NEPA ENVIRONMENTAL ASSESSMENT CHECKLIST

[Environmental Review Guide HUD CPD 782, 24 CFR 58.40; Ref 40 CFR 1508.8 and 15087.27]

See the A-7 for the contacts to consult in each category. Consultants should be asked to evaluate the significance of the effects of the proposal on the character, features and resources of the project area. Enter relevant base data and verifiable source documentation from the consultant that supports the finding. Then enter the appropriate impact code from the following list to make a determination of impact.

IMPACT CODES: (1) - No impact anticipated; (2) - Potentially beneficial; (3) - Potentially adverse; (4) - Requires mitigation; (5) - Requires project modification. Note names, dates of contacts, telephone numbers. Notate conditions or mitigation measures required by use of (4) coding and listing in 'Source of Documentation.'

| Land Development | Code | Source of Documentation |
|---|-------------|---|
| Conformance with Comprehensive Plans and Zoning | 1 | Josh Whitehead, AICP Planning Director/Administrator Memphis and Shelby County Office of Planning and Development Email dated 04/10/2019 |
| Compatibility and Urban Impact | 1 | Josh Whitehead, AICP Planning Director/Administrator Memphis and Shelby County Office of Planning and Development Email dated 04/10/2019 |
| Slope | 2 | Jennifer Peregoy, PE Project Engineer Memo dated 04/02/2018 |
| Erosion | 2 | Jennifer Peregoy, PE Project Engineer Memo dated 04/02/2018 |
| Soil Suitability | 1 | Jennifer Peregoy, PE Project Engineer Memo dated 04/02/2018 |
| Hazards and Nuisances including Site Safety | 1 | Jennifer Peregoy, PE Project Engineer Memo dated 04/02/2018 |
| Energy Consumption | 1 | Jennifer Peregoy, PE Project Engineer Memo dated 04/02/2018 |

| | Code | Source of Documentation |
|---|-------------|---|
| Noise - Contribution to Community Noise Levels | 1 | Jennifer Peregoy, PE Project Engineer Memo dated 04/02/2018 |

| | Code | Source of Documentation |
|---|-------------|---|
| Air Quality - Effects of ambient Air Quality on Project and Contribution to Community Pollution Levels | 1 | Robert Rogers, PE Manager, Pollution Control Shelby County Health Department Letter dated 07/20/2017 |

| | Code | Source of Documentation |
|---|-------------|--|
| Environmental Design - Visual Quality - Coherence, Diversity, Compatible Use and Scale | 1 | E. Patrick McIntyre, Jr. Executive Director and State Historical Preservation Officer Tennessee Historic Commission Letter dated 07/27/2017 |

| Socioeconomic | Code | Source or Documentation |
|-----------------------------------|-------------|---|
| Demographic Character and Changes | 1 | Jordan Smith, Transportation Planner Memphis Urban Area Metropolitan Planning Organization (MPO) Email dated 04/16/2019 |
| Displacement | 1 | Jordan Smith, Transportation Planner Memphis Urban Area Metropolitan Planning Organization (MPO) Email dated 04/16/2019 |
| Employment and Income Patterns | 1 | Jordan Smith, Transportation Planner Memphis Urban Area Metropolitan Planning Organization (MPO) Email dated 04/16/2019 |

| Community Facilities and Services | Code | Source or Documentation |
|--|-------------|---|
| Educational Facilities | 1 | Michelle L. Stuart Director, Facility Planning and Property Management Shelby County Schools Email dated 04/24/2019 |
| Commercial Facilities | 1 | Jordan Smith, Transportation Planner Memphis Urban Area Metropolitan Planning Organization (MPO) Email dated 04/16/2019 |

| | | |
|-----------------|---|---|
| Health Care | 2 | Alisa Haushalter, DNP, RN, PHNA-BC Director, Shelby County Health Department Email dated 04/23/2019 |
| Social Services | 1 | Alisa Haushalter, DNP, RN, PHNA-BC Director, Shelby County Health Department Email dated 04/23/2019 |

Community Facilities and Services

| Community Facilities and Services | Code | Source or Documentation |
|--|------|--|
| Solid Waste | 1 | Stephen Edwards, PE Transportation Planning Program Manager City of Memphis, Division of Engineering Email dated 04/24/2019 |
| Waste Water | 1 | Stephen Edwards, PE Transportation Planning Program Manager City of Memphis, Division of Engineering Email dated 04/24/2019 |
| Storm Water | 2 | Stephen Edwards, PE Transportation Planning Program Manager City of Memphis, Division of Engineering Email dated 04/24/2019 |
| Water Supply | 1 | Stephen Edwards, PE Transportation Planning Program Manager City of Memphis, Division of Engineering Email dated 04/24/2019 |
| <u>Public Safety</u> <ul style="list-style-type: none"> • Police • Fire • Emergency | 1 | Levell Blanchard, Deputy Administrator Shelby County Emergency Management and Homeland Security Office Email dated 04/10/2019 |
| <u>Open Space and Recreation</u> <ul style="list-style-type: none"> • Open Space • Recreation • Cultural Facilities | 2 | Henry Minor, PLA, ASLA, CLARB Tennessee Section, American Society of Landscape Architects Email dated 2/6/2019 |
| Transportation | 2 | Stephen Edwards, PE Transportation Planning Program Manager City of Memphis, Division of Engineering Email dated 04/24/2019 |

| Natural Features | Code | Source or Documentation |
|--|------|--|
| Water Resources | 1 | The project, by nature of the proposed improvements, will not have any negative impacts on groundwater or surface water in the area. |
| Surface Water | 2 | The project may provide for an overall improvement in regional water quality by allowing more sediment to drop out of the Wolf River in the expanded floodplain. |
| Unique Natural Features and Agricultural Lands | 1 | There are no unique natural features present within the project area. |
| Vegetation and Wildlife | 2 | Robbie Sykes Supervisory Fish and Wildlife Biologist U.S. Fish and Wildlife Service Email dated 08/14/2017 |

| Other Factors | Code | Source or Documentation |
|--|------|--|
| Flood Disaster Protection Act [Flood Insurance] [§58.6(a)] | 2 | The project will result in overall improvements to the floodplain. Documentation of the 8-Step Floodplain process can be found in section A-05 of this document. The project involves the following FIRM maps: Map # 47157C0280F, Panel 280 of 635, dated September 28, 2007 Map # 47157C0285F, Panel 285 of 635, dated September 28, 2007 Map # 47157C0290F, Panel 290 of 635, dated September 28, 2007 |
| Coastal Barrier Resources Act/Coastal Barrier Improvement Act [§58.6(c)] | 1 | There are no coastal barriers in Tennessee. |
| Airport Runway Clear Zone or Clear Zone Disclosure [§58.6(d)] | 1 | Radius Map and A-28 Checklist |
| Other Factors | 1 | N/A |

Summary of Findings and Conclusions:

1. Alternatives to the Proposed Action

Alternatives and Project Modifications Considered [24 CFR 58.40(e), Rev. 40 CFR 1508.9] Identify other reasonable courses of action that were considered and not selected, such as other sites, design modifications, or other uses of the subject site. Describe the benefits and adverse impacts to the human environment of each alternative and the reasons for rejecting it. There must be alternatives to the project listed.

The selected alternative is comprised of the following site elements:

- *Rodney Baber Park Site:*
 - *Regrading of the floodplain*
 - *Construction of recreational facilities including soccer fields and a baseball field*
 - *Construction of >5 acres of new wetlands*
 - *Construction of a large farmer's market/festival pavilion*
 - *Construction of a 7.5 acre lake with fishing piers*
 - *Construction of parking areas*
 - *Construction of pedestrian trails*
- *Kennedy Park Site:*
 - *Regrading of the floodplain*
 - *Construction of recreational facilities including soccer fields*
 - *Construction of >4 acres of new wetlands*
 - *Construction of parking areas*
 - *Construction of pedestrian trails*
- *Orchi Road Site:*
 - *Construction of new sidewalk*
 - *Replacement of existing non-compliant sidewalk to ADA Standards*
 - *Replacement of existing non-compliant drive aprons to ADA Standards*
 - *Roadway marking and signing to add Shared Lanes in each direction*

Multiple alternatives for all project sites were studied, with different iterations of community amenities provided and differing amounts of grading and wetlands created. At the Orchi Road site, installation of a flood wall was studied but ultimately left out of the project design.

2. No Action Alternative [24 CFR 58.40(e)]

Discuss the benefits and adverse impacts to the human environment of not implementing the preferred alternative.

The no action alternative would not provide additional floodplain storage for the river. As the areas around the project sites continue to develop, the potential for downstream flooding would increase.

The no action alternative would also result in a loss to the surrounding community of a natural education and recreation site and recreational facilities at the Baber and Kennedy Park sites, and loss of pedestrian access for the Orchi Road Corridor.

3. Mitigation Measures Recommended [24 CFR 58.40(d), 40 CFR 1508.20]

Recommended feasible ways in which the proposal or its external factors should be modified in order to minimize adverse environmental impacts and restore or enhance environmental quality.

The very nature of the project is such that its completion will result in an enhancement of

environmental quality for the area. Mitigation measures recommended during construction of the improvements include the following:

Mitigation Measure # 1 – Erosion Prevention and Sediment Control

In accordance with the Erosion Prevention and Sediment Control requirements of the Tennessee Department of Environment and Conservation and Shelby County, the proposed improvements will be constructed using best management practices to prevent the degradation of water quality in the project area.

Mitigation Measure # 2 – Historical and Archaeological Resources

If unique historical or archaeological remains are discovered during project construction, the Tennessee State Historic Preservation Office will be contacted to determine what further action, if any, will be necessary to comply with Section 106 of the National Historic Preservation Act.

4. Additional Studies Performed

- *Jurisdictional Water Delineation Report – Rodney Baber Park, Brophy-Heineke and Associates, August 2017*
- *Jurisdictional Water Delineation Report – Kennedy Park, Brophy-Heineke and Associates, December 2017*
- *Jurisdictional Water Delineation Report – Orchi Road, Brophy-Heineke and Associates, December 2017*
- *Bat Summer Habitat Assessment Report, Tioga Environmental Consultants, February 2018*
- *Bat Emergence Survey Report, Tioga Environmental Consultants, May 2018*
- *Phase I Cultural Resources Assessment, Panamerican Consultants, June 2017*

5. List Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]

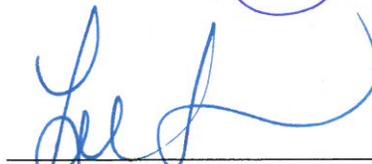
- *Josh Whitehead, AICP, Planning Director, Memphis and Shelby County Office of Planning and Development*
- *Robert Rogers, PE, Pollution Control Manager, Shelby County Health Department*
- *E. Patrick McIntyre, Jr., Executive Director and State Historic Preservation Officer, Tennessee Historical Commission*
- *Jordan Smith, Transportation Planner, Memphis Urban Area Planning Organization (MPO)*
- *Michelle Stuart, Director of Facility Planning and Property Management, Shelby County Schools*
- *Alisa Haushalter, DNP, RN, PHNA-BC, Director, Shelby County Health Department*
- *Stephen Edwards, PE, Transportation Planning Program Manager, City of Memphis, Division of Engineering*
- *Levell Blanchard, Deputy Administrator, Shelby County Emergency Management and Homeland Security Office*
- *Henry Minor, PLA, ASLA, CLARB, Tennessee Section, American Society of Landscape Architects*
- *Robert Brawner, Environmental Fellow, TDEC Air Pollution Control Division*
- *Roger Allan, Supervisor, Regulatory Branch, Memphis District Corps of Engineers*
- *Mitch Elcan, Regulatory Branch, Memphis District Corps of Engineers*
- *Mary Jennings, Field Supervisor, US Fish and Wildlife Service*
- *Michael Gale, Field Supervisor (Acting), US Fish and Wildlife Service*
- *Tammy Bilbrey, US Fish and Wildlife Service*
- *Robbie Sykes, Supervisory Fish and Wildlife Biologist, US Fish and Wildlife Service*

- Molly Franks, THPO, Alabama-Quassarte Tribal Town
- Tarpie Yargee, Town King, Alabama-Quassarte Tribal Town
- Bill Anoatubby, Governor, Chickasaw Nation
- Kirk Perry, Historic Preservation Executive Officer, Chickasaw Nation
- Gary Batton, Chief, Choctaw Nation of Oklahoma
- Ian Thompson, THPO, Choctaw Nation of Oklahoma
- Lovelin Poncho, Chairman, Coushatta Tribe of Louisiana
- Linda Langley, THPO, Coushatta Tribe of Louisiana
- RaeLynn Butler, THPO, Muscogee (Creek) Nation
- James Floyd, Principal Chief, Muscogee (Creek) Nation
- George Toger, Principal Chief, Muscogee (Creek) Nation
- Everett Bandy, THPO, Quapaw Tribe of Indiana
- John Berrey, Chairperson, Quapaw Tribe of Indiana
- FEMA Online Floodplain Mapping Tool
- USFWS Online National Wetlands Inventory Mapping
- USFWS Online IPaC Information for Planning and Consultation system
- HUD Exchange Online – Day/Night Noise Level Calculator
- HUD Exchange Online – Tribal Directory Assessment Tool
- HUD Exchange Online – Acceptable Separation Distance (ASD) Electronic Assessment Tool
- Tennessee Historical Commission Online Viewer
- USDA NRCS Online Web Soil Survey Tool
- EPA EJScreen – Online Environmental Justice Screening and Mapping Tool
- TDEC Division of Underground Storage Tanks Online Database

1. Is project in compliance with applicable laws and regulations? Yes No
2. Is an EIS required? Yes No
3. Can a Finding of No Significant Impact (FONSI) can be made? Yes No

 PROJECT ENGINEER
Preparer's signature / title

7/17/2019
Date


Certifying Official's signature / title

8/13/2019
Date

Danley, Drake

From: Whitehead, Josh <Josh.Whitehead@memphistn.gov>
Sent: Wednesday, April 10, 2019 10:45 AM
To: Danley, Drake
Subject: RE: Project Review Request - Wolf River Greenway

Categories: External

Mr. Danley: Please see responses below.

Josh Whitehead, AICP
Planning Director/Administrator
Memphis and Shelby County
Office of Planning and Development
City Hall, 125 N. Main St., Ste. 476
Memphis, Tennessee 38103
p: (901) 636-6619; f: (901) 636-6603
Visit our [website](#).

From: Danley, Drake [mailto:Drake.Danley@kimley-horn.com]
Sent: Wednesday, April 10, 2019 10:22 AM
To: Whitehead, Josh <Josh.Whitehead@memphistn.gov>
Subject: Project Review Request - Wolf River Greenway

Mr. Whitehead,

I am writing on behalf of Shelby County to request your input on the “Wolf River Wetland Restoration and Greenway” project. The project is funded by a National Disaster Resiliency Competition grant administered by the Department of Housing and Urban Development (HUD). As a part of the HUD environmental review process, we are contacting several agencies such as yours for input on potential project impacts.

The attached PDF contains a full description of the project, along with a map showing the project location and a conceptual sketch of the proposed improvements. We would appreciate your input on the questions below.

Based on your understanding of the proposed improvements:

1. Does it appear to be in general conformance with existing Comprehensive Plans or Zoning requirements?

Response: Yes.

2. Does the project appear to be a compatible land use for the area?

Response: Yes.

3. Do you believe the project will alter the demographic characteristics of the surrounding community?

Response: No.

4. Do you believe the project will directly displace individuals or families?

Response: No.

5. Do you believe the project will eliminate or relocate existing jobs, community facilities, or any business establishments?

Response: No.

6. Do you believe the project will either significantly increase or decrease employment opportunities?

Response: No.

7. Do you anticipate that the project will have any impact (either beneficial or adverse) on the resources and services provided by your agency? Please respond "Yes" or "No"

Response: No.

8. If you believe there may be an adverse impact, please describe the impact and any potential mitigation measures or changes to the project that might reduce the impact.

Response: N/A

9. If you believe there may be a beneficial impact, please describe the impact.

Response: N/A

10. Do you have any other general questions or comments about the proposed improvements?

Response: No.

Your prompt review and comments on this project will be greatly appreciated. A simple reply to this email is sufficient – a formal letter is not required. If someone else in your agency is better suited to handle this response, please forward this message to them.

If you have any questions at all, or need any additional information to perform your review, please do not hesitate to contact me.

Thanks,

Drake

Drake Danley, P.E.

Kimley-Horn | 6750 Poplar Avenue, Suite 600, Memphis, TN 38138

Direct: 901 334 5318 | Mobile: 901 361 2123

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MEMORANDUM

To: File

From: Jennifer Peregoy, PE, Kimley-Horn and Associates, Inc.

Date: April 2, 2018

Subject: Wolf River Wetland Restoration and Greenway Impacts

Based on the current project design, the following impacts are anticipated for the Wolf River Greenway project:

Slope – Potentially Beneficial Impact

One of the primary purposes of the project is to regrade the floodplain area to provide additional floodplain storage.

Erosion – Potentially Beneficial Impact

The proposed improvements will regrade the Rodney Baber and Kennedy Park sites as well as create new lakes and wetlands. The grading will leave the sites in a more stable condition. Overall site erosion will be improved.

Soil Suitability – No Impact Anticipated

The existing soils on the site are ideal for the proposed improvements.

Hazards and Nuisances including Site Safety – No Impact Anticipated

Proposed improvements that could pose a safety risk to the general public, such as any structures on site, proposed trails near the river, and any roadway connections will be designed using standard engineering practice.

Energy Consumption – No Impact Anticipated

The proposed improvements will have very minor energy requirements and a negligible impact on energy consumption.

Noise – No Impact Anticipated

Day/Night noise levels at the project sites are well below the 65dB threshold at all locations except for the Rodney Baber Park site immediately adjacent to Interstate 240 where it is 67.7, which is slightly

above the acceptable threshold of 65. There is an approximately 450' wide buffer of dense trees between the interstate and the park, which should provide a natural noise reduction of at least 2.7 dB(A) to move the noise level into the acceptable level, and site improvements will not generate additional noise. The increase in local traffic associated with the site improvements will be negligible.



MARK H. LUTTRELL, JR.
MAYOR

SHELBY COUNTY HEALTH DEPARTMENT

ALISA R. HAUSHALTER, DNP, RN
DIRECTOR

HELEN MORROW, MD, MPA
HEALTH OFFICER



Public Health
Prevent. Promote. Protect.

July 20, 2017

Drake Danley, P.E.
Kimley-Horn
6750 Poplar Av.
Ste. 600
Memphis, TN 38138

RE: Wolf River Restoration and Greenway Project

Dear Mr. Danley:

The Pollution Control Section of the Shelby County Health Department is the enforcement authority for federal, state and local regulations regarding air quality within Shelby County. Currently, Shelby County is in attainment for all National Ambient Air Quality Standards (NAAQS). Shelby County is a Maintenance Area for the carbon monoxide and the 2008 ozone NAAQS.

It is clear from the description of the Wolf River Restoration and Greenway Project that there will be no direct or indirect emissions associated with the project approaching the de minimus levels identified at 40 CFR 93 §153 which would require a formal conformity determination. Further, it is also apparent this project does not include any stationary sources of air emissions that would need to receive a minor source permit from this office. Please be advised that under local codes, there is a general duty to take reasonable measures to minimize fugitive dust emissions from any type of construction project.

If you need further information regarding this matter, please contact my office at (901)222-9599.

Sincerely,

Robert Rogers, P.E.
Manager, Pollution Control

Mission

To promote, protect and improve the health and environment of all Shelby County residents.

814 Jefferson Avenue ♦ Memphis, Tennessee 38105
(901) 222-9000



TENNESSEE HISTORICAL COMMISSION
STATE HISTORIC PRESERVATION OFFICE
2941 LEBANON PIKE
NASHVILLE, TENNESSEE 37243-0442
OFFICE: (615) 532-1550
www.tnhistoricalcommission.org

July 27, 2017

Mr. Drake Danley
Kimley Horn
6750 Poplar Ave.
Suite 600
Memphis, TN 38138

RE: HUD / Department of Housing and Urban Development, Wolf River Wetland and Restoration Greenway Project, Shelby County, TN

Dear Mr. Danley:

In response to your request, we have reviewed the cultural resources survey report and accompanying documentation submitted by you regarding the above-referenced undertaking. Our review of and comment on your proposed undertaking are among the requirements of Section 106 of the National Historic Preservation Act. This Act requires federal agencies or applicants for federal assistance to consult with the appropriate State Historic Preservation Office before they carry out their proposed undertakings. The Advisory Council on Historic Preservation has codified procedures for carrying out Section 106 review in 36 CFR 800 (Federal Register, December 12, 2000, 77698-77739).

Considering the information provided, we find that no historic properties eligible for listing in the National Register of Historic Places will be affected by this undertaking. If project plans are changed or archaeological remains are discovered during project construction, please contact this office to determine what further action, if any, will be necessary to comply with Section 106 of the National Historic Preservation Act. Questions or comments may be directed to Jennifer Barnett (615) 687-4780.

Your cooperation is appreciated.

Sincerely,

E. Patrick McIntyre, Jr.
Executive Director and
State Historic Preservation Officer

EPM/jmb

From: [Smith, Jordan](#)
To: [Danley, Drake](#)
Cc: [Srivastava, Pragati](#)
Subject: RE: Project Review Request - Wolf River Greenway
Date: Wednesday, April 17, 2019 8:56:41 AM
Attachments: [image001.jpg](#)

Mr. Danley,

That correction makes sense; I'm glad we could help.

JORDAN SMITH | TRANSPORTATION PLANNER
Memphis Urban Area Metropolitan Planning Organization (MPO)
125 N Main Street | Suite # 450 | Memphis, TN 38103
PH: 901.576.7130 | FAX: 901.576.7272
Email: Jordan.Smith@memphistn.gov



From: Danley, Drake [mailto:Drake.Danley@kimley-horn.com]
Sent: Tuesday, April 16, 2019 5:51 PM
To: Smith, Jordan <Jordan.Smith@memphistn.gov>
Cc: Srivastava, Pragati <Pragati.Srivastava@memphistn.gov>
Subject: RE: Project Review Request - Wolf River Greenway

Mr. Smith,

Thank you for the prompt reply and review. We definitely appreciate your input.

Regarding your question about the paved trail lengths, you are correct that showing that as square feet is unusual. There are approximately 5400 linear feet of trails, which are 10 feet in width proposed for Kennedy Park. I must have had pavement areas or wetland impact areas on the brain when I wrote that. Thank you for catching it.

Thanks,

Drake

Drake Danley, P.E.

Kimley-Horn | 6750 Poplar Avenue, Suite 600, Memphis, TN 38138

Direct: 901 334 5318 | Mobile: 901 361 2123

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From: Smith, Jordan <Jordan.Smith@memphistn.gov>
Sent: Tuesday, April 16, 2019 12:20 PM
To: Danley, Drake <drake.danley@kimley-horn.com>
Cc: Srivastava, Pragati <Pragati.Srivastava@memphistn.gov>
Subject: Project Review Request - Wolf River Greenway

Good afternoon,

I have reviewed the project document and have the following comments and answers:

Based on your understanding of the proposed improvements:

1. Does it appear to be in general conformance with existing Comprehensive Plans or Zoning requirements?
We believe this question would be more appropriate for the Shelby County Office of Planning and Development, Land Use Controls.
2. Does the project appear to be a compatible land use for the area?
We believe this question would be more appropriate for the Shelby County Office of Planning and Development, Land Use Controls.
3. Do you believe the project will alter the demographic characteristics of the surrounding community?
After review of the summary provided, it appears that the project will not alter the demographic characteristics of the surrounding community.
4. Do you believe the project will directly displace individuals or families?
After review of the summary provided, it appears that the project will not directly displace individuals or families.
5. Do you believe the project will eliminate or relocate existing jobs, community facilities, or any business establishments?
After review of the summary provided, it appears that the project will not eliminate or relocate existing jobs, community facilities, or business establishments.
6. Do you believe the project will either significantly increase or decrease employment opportunities?
After review of the summary provided, it appears that the project will not significantly affect employment opportunities.
7. Do you anticipate that the project will have any impact (either beneficial or adverse) on the resources and services provided by your agency? Please respond "Yes" or "No"
Yes (see question 9.)

8. If you believe there may be an adverse impact, please describe the impact and any potential mitigation measures or changes to the project that might reduce the impact.

N/A

9. If you believe there may be a beneficial impact, please describe the impact.

The project will reduce flooding and flash flooding on surrounding roads thus improving the resiliency of the transportation network. It will also improve bicycle and pedestrian infrastructure and further build toward a connected network of bike and pedestrian facilities.

10. Do you have any other general questions or comments about the proposed improvements?

In the project description for John F. Kennedy Park, a paved trail is described as 54,000 square feet. Why is it measured this way rather than a more conventional trail measurement in feet, meters, or miles?

JORDAN SMITH | TRANSPORTATION PLANNER

Memphis Urban Area Metropolitan Planning Organization (MPO)

125 N Main Street | Suite # 450 | Memphis, TN 38103

PH: 901.576.7130 | FAX: 901.576.7272

Email: Jordan.Smith@memphistn.gov



From: [MICHELLE L STUART](#)
To: [Danley, Drake](#)
Subject: Wolf River Greenway
Date: Wednesday, April 24, 2019 10:33:43 AM

Hello,

I was forwarded the questions below. Project will not have an impact on our services. Thank you.

1. Based on your understanding of the proposed improvements, do you anticipate that the project will have any impact (either beneficial or adverse) on the services provided by the School District? Please respond "Yes" or "No"

NO

2. If you believe there may be an adverse impact, please describe the impact and any potential mitigation measures or changes to the project that might reduce the impact.
3. If you believe there may be a beneficial impact, please describe the impact.
4. Do you have any other general questions or comments about the proposed improvements?



Michelle L. Stuart
Shelby County Schools
Director, Facility Planning and Property Management
901-416-1084

From: [ALISA HAUSHALTER](#)
To: [Danley, Drake](#)
Cc: alisa.haushalter@shelbycountyttn.gov
Subject: Fwd: FW: Project Review Request - Wolf River Greenway
Date: Tuesday, April 23, 2019 7:45:51 AM
Attachments: [Project Description and Mapping - Wolf River Greenway.pdf](#)

Drake,

Good morning. Thank-you for sharing the plan and seeking input. I have reviewed. My only constructive feedback is in regards to the soccer fields, specifically and community engagement, broadly. I will bullet point for ease of reading.

- Did the communities that are most proximate to the parks provide input?
- Did the communities that are most likely to access and utilize the parks have input?
- Did these communities prioritize soccer fields over some other use?
- Is there the possibility for multiple uses including soccer? For example, I live near Williamson Park. There is a goal net which people use for practicing soccer, but the area is also used for other activities.
- While soccer is great, not everyone plays or wants to play soccer.
- I know that there has been community input throughout the process. It may be beneficial to, briefly, reinforce the process within this document so that you do not have to respond to questions such as those above or criticism.

Otherwise, my feedback is very positive as the plan promotes equitable access to parks, physical activity, connection to the outdoors, bikeability and connectivity. Alisa

Alisa Haushalter, DNP, RN, PHNA-BC

Director, Shelby County Health Department

814 Jefferson Avenue

Memphis, TN 38105

Phone: 901-222-9080

From: Danley, Drake <Drake.Danley@kimley-horn.com>
Sent: Wednesday, April 10, 2019 11:12 AM
To: ahaushalter@uthsc.edu; Health, ShelbyTN
<ShelbyTNHealth@shelbycountyttn.gov>
Subject: Project Review Request - Wolf River Greenway

[This EMAIL was not sent from a Shelby County Government email address. Please use caution.]

Director Haushalter,

I am writing on behalf of Shelby County to request your input on the “Wolf River Wetland Restoration and Greenway” project. The project is funded by a National Disaster Resiliency Competition grant administered by the Department of Housing and Urban Development (HUD). As a part of the HUD environmental review process, we are contacting several agencies such as yours for input on potential project impacts.

The attached PDF contains a full description of the project, along with a map showing the project location and a conceptual sketch of the proposed improvements. We would appreciate your input on the questions below.

1. Based on your understanding of the proposed improvements, do you anticipate that the project will have any impact (either beneficial or adverse) on the resources and services provided by the Shelby County Health Department, or to health care services in general in the project areas? Please respond “Yes” or “No”
2. If you believe there may be an adverse impact, please describe the impact and any potential mitigation measures or changes to the project that might reduce the impact.
3. If you believe there may be a beneficial impact, please describe the impact.

4. Do you have any other general questions or comments about the proposed improvements?

Your prompt review and comments on this project will be greatly appreciated. A simple reply to this email is sufficient – a formal letter is not required. If someone else in your agency is better suited to handle this response, please forward this message to them.

If you have any questions at all, or need any additional information to perform your review, please do not hesitate to contact me.

Thanks,

Drake

Drake Danley, P.E.

Kimley-Horn | 6750 Poplar Avenue, Suite 600, Memphis, TN 38138

Direct: 901 334 5318 | Mobile: 901 361 2123

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From: [Edwards, Stephen](#)
To: [Danley, Drake](#)
Subject: RE: Project Review Request - Wolf River Greenway
Date: Wednesday, April 24, 2019 2:43:47 PM

Drake,

See my responses below.

Best,

Stephen Edwards, PE

Transportation Planning Program Manager

City of Memphis | Division of Engineering
125 N. Main Street | Suite 668 | Memphis, TN 38103
Email: Stephen.Edwards@memphistn.gov
Ph: 901-636-6710

From: Danley, Drake [<mailto:Drake.Danley@kimley-horn.com>]
Sent: Monday, April 22, 2019 5:57 PM
To: Edwards, Stephen
Subject: FW: Project Review Request - Wolf River Greenway

Stephen,

I understand from Chee that he has asked you to take a look at the coordination request that I sent him.

If you have any questions or need any additional information, please let me know. Hopefully this won't be adding to much to your plate.

Thanks,

Drake

From: Danley, Drake
Sent: Wednesday, April 10, 2019 1:07 PM
To: cheeyen.chew@memphistn.gov
Subject: Project Review Request - Wolf River Greenway

Chee,

I am writing on behalf of Shelby County to request your input on the "Wolf River Wetland Restoration and Greenway" project. The project is funded by a National Disaster Resiliency Competition grant administered by the Department of Housing and Urban Development (HUD). As a part of the HUD environmental review process, we are contacting several agencies such as yours for

input on potential project impacts.

The attached PDF contains a full description of the project, along with a map showing the project location and a conceptual sketch of the proposed improvements. We would appreciate your input on the questions below.

Based on your understanding of the proposed improvements:

1. Does it appear that the project will have any impact (either beneficial or adverse) on public utilities such as solid waste, wastewater, stormwater, or the public water supply?

The proposed improvements will enhance stormwater retention capacity during extreme storm events reducing flooding effects to nearby facilities and homes. There does not appear to be any impact on the existing or forecasted growth of other utilities within the project boundaries.

2. Do you believe the project will impact area transportation facilities?

The project will improve multimodal transportation by improving pedestrian, bicycle, and alternative mobility access to existing transit facilities. New trails connecting to the Wolf River Greenway will shorten travel distances and reduce travel times for individuals without a personal automobile. The addition of sidewalks and bike paths improve the safety for all users on Orchi.

3. If you believe there may be an adverse impact, please describe the impact and any potential mitigation measures or changes to the project that might reduce the impact.

The map for Orchi identifies a wetland expansion that is not included in the project description. The expansion of this wetland area may contribute to a greater flood mitigation benefit.

4. If you believe there may be a beneficial impact, please describe the impact.

Outside of the mentioned benefits to stormwater and transportation systems, these project will provide greatly needed recreational facilities to this area of town. Additionally, the aesthetic benefits these projects provide may improve the communities sense of pride and ownership of the public infrastructure.

5. Do you have any other general questions or comments about the proposed improvements?

No

Your prompt review and comments on this project will be greatly appreciated. A simple reply to this email is sufficient – a formal letter is not required.

If you have any questions at all, or need any additional information to perform your review, please do not hesitate to contact me.

Thanks,

Drake

Drake Danley, P.E.

Kimley-Horn | 6750 Poplar Avenue, Suite 600, Memphis, TN 38138

Direct: 901 334 5318 | Mobile: 901 361 2123

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From: [Blanchard, Levell](#)
To: [Danley, Drake](#)
Subject: RE: Project Review Request - Wolf River Greenway
Date: Wednesday, April 10, 2019 3:10:56 PM
Attachments: [image001.jpg](#)

Mr. Drake,

Please note my title below.

1. Based on your understanding of the proposed improvements, do you anticipate that the project will have any impact (either beneficial or adverse) on the services provided by the Shelby County EMA? Please respond "Yes" or "No." **There should be NO impact to this office.**
2. If you believe there may be an adverse impact, please describe the impact and any potential mitigation measures or changes to the project that might reduce the impact. **Don't think there will be an impact.**
3. If you believe there may be a beneficial impact, please describe the impact. **Mitigation of flooding in the project areas.**
4. Do you have any other general questions or comments about the proposed improvements? **None.**

Levell Blanchard
Deputy Administrator
Shelby County Emergency Management and Homeland Security Office
Office Telephone 901-222-6707
Cell 901-508-2242
Email address levell.blanchard@shelbycountyttn.gov



From: Danley, Drake <Drake.Danley@kimley-horn.com>
Sent: Wednesday, April 10, 2019 11:02 AM
To: Blanchard, Levell <Levell.Blanchard@shelbycountyttn.gov>
Subject: Project Review Request - Wolf River Greenway

[This EMAIL was not sent from a Shelby County Government email address.
Please use caution.]

Director Blanchard,

I am writing on behalf of Shelby County to request your input on the "Wolf River Wetland Restoration and Greenway" project. The project is funded by a National Disaster Resiliency

Competition grant administered by the Department of Housing and Urban Development (HUD). As a part of the HUD environmental review process, we are contacting several agencies such as yours for input on potential project impacts.

The attached PDF contains a full description of the project, along with a map showing the project location and a conceptual sketch of the proposed improvements. We would appreciate your input on the questions below.

1. Based on your understanding of the proposed improvements, do you anticipate that the project will have any impact (either beneficial or adverse) on the services provided by the Shelby County EMA? Please respond “Yes” or “No”
2. If you believe there may be an adverse impact, please describe the impact and any potential mitigation measures or changes to the project that might reduce the impact.
3. If you believe there may be a beneficial impact, please describe the impact.
4. Do you have any other general questions or comments about the proposed improvements?

Your prompt review and comments on this project will be greatly appreciated. A simple reply to this email is sufficient – a formal letter is not required. If someone else in your agency is better suited to handle this response, please forward this message to them.

If you have any questions at all, or need any additional information to perform your review, please do not hesitate to contact me.

Thanks,

Drake

Drake Danley, P.E.

Kimley-Horn | 6750 Poplar Avenue, Suite 600, Memphis, TN 38138

Direct: 901 334 5318 | Mobile: 901 361 2123

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From: [Henry Minor](#)
To: [Danley, Drake](#)
Subject: Re: Project Review Request - Wolf River Greenway
Date: Tuesday, April 23, 2019 7:57:56 AM

On Wed, Apr 10, 2019 at 9:50 AM Danley, Drake <Drake.Danley@kimley-horn.com> wrote:

Mr. Minor,

I am writing on behalf of Shelby County to request your input on the “Wolf River Wetland Restoration and Greenway” project. The project is funded by a National Disaster Resiliency Competition grant administered by the Department of Housing and Urban Development (HUD). As a part of the HUD environmental review process, we are contacting several agencies such as yours for input on potential project impacts.

The attached PDF contains a full description of the project, along with a map showing the project location and a conceptual sketch of the proposed improvements. We would appreciate your input on the questions below.

1. Based on your understanding of the proposed improvements, do you anticipate that the project will have any impact (either beneficial or adverse) with regard to open spaces, recreation, or cultural facilities? Please respond “Yes” or “No”

Yes, beneficial impacts. No, adverse impacts.

2. If you believe there may be an adverse impact, please describe the impact and any potential mitigation measures or changes to the project that might reduce the impact.

3. If you believe there may be a beneficial impact, please describe the impact.

I believe the projects described in the attached pdf will have a very beneficial impact to the community by providing quality open spaces for recreational activities. Additionally, the increased access to natural areas for residents will help improve their mental health and quality of life

4. Do you have any other general questions or comments about the proposed

improvements?

The projects look well thought out and have focused on creating more pedestrian connectivity within the community, which is very important for creating healthy, sustainable communities.

Your prompt review and comments on this project will be greatly appreciated. A simple reply to this email is sufficient – a formal letter is not required.

If you have any questions at all, or need any additional information to perform your review, please do not hesitate to contact me.

Thanks,

Drake

Drake Danley, P.E.

Kimley-Horn | 6750 Poplar Avenue, Suite 600, Memphis, TN 38138

Direct: 901 334 5318 | Mobile: 901 361 2123

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A-10 Early Notice and Public Review

An Early Notice and Public Review document was published in February 2018 in three different publications serving the Shelby County area:

- The Memphis Daily News – published February 23, 2018
- The Memphis Flyer – published February 22, 2018
- La Prensa Latina – published February 25, 2018

No responses were received from the publication of this notice. Copies of the notice and proof of publication are included in the pages that follow.



Shelby County Government Office of Resiliency

125 NORTH MAIN STREET, ROOM 443, MEMPHIS, TENNESSEE 38103-2084
Tel: (901) 222-7602 Fax: (901) 222-7621

Mark H. Luttrell, Jr.

Mayor

February 21, 2018

DHS/FEMA R4
Attention: E011988/NEPA Reviewer
3003 Chamblee Tucker Road
Atlanta, GA 30341-4112

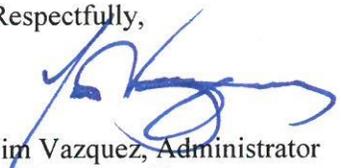
Dear E011988/NEPA Reviewer:

Attached is a Public Notice which will run locally on February 22nd, 23rd, and 25th, 2018 for the 15-day review period in Shelby County, Tennessee. This is the first notice under the HUD 8-Step Review process for the use of National Disaster Resilience (NDR) Grant funds. The Notice addresses activities under the Wolf River Wetland and Restoration Greenway Project which includes Orchi Street Infrastructure and Construction; Rodney Baber Park Infrastructure and Construction; Kennedy Park Infrastructure and Construction; and Earthwork, Utility Installation, Demolition, and Property Acquisition associated with the Project.

Activities under the Wolf River Wetland and Restoration Greenway Project are part of the long-term resilience projects and activities identified under the NDR Competition and a subsequent NDR Grant awarded to Shelby County by the Department of Housing and Urban Development. The Notice is being forwarded to you to inform you of the project, project activities, the review period associated with this project, and to directly solicit any comments that FEMA may have on the activity itself.

This project is being carried out by Shelby County Government and will improve overall resiliency to Rodney Barber Park, Kennedy Park and Orchi Street in Memphis, Tennessee. Should you have any comments or questions, please contact Mr. Drake Danley, with Kimley-Horn and Associates, Inc., at 901-374-9109 or Drake.Danley@kimley-horn.com. Written comments can also be submitted to: Kimley-Horn and Associates, Inc., Attention: Drake Danley, 6750 Poplar Avenue, Suite 600, Memphis, TN 38138. I can also be reached at 901-636-7170 or jim.vazquez@memphistn.gov

Respectfully,


Jim Vazquez, Administrator
Office of Resilience

Attachment

**EARLY NOTICE AND PUBLIC REVIEW OF A PROPOSED
ACTIVITY IN A WETLAND AND FLOODPLAIN WITHIN THE WOLF RIVER BASIN
IN SHELBY COUNTY, TENNESSEE**

To: All interested Federal, State and Local Agencies and Groups or Individuals

This is to give notice that Shelby County Government under Part 58 has conducted an evaluation as required by Executive Order 11988, to determine the potential affect that its activity in wetlands and the floodplain will have on the human environment for the Wolf River Wetland Restoration and Greenway project under the HUD National Disaster Resiliency Grant, Contract Number B-13-US-470002.

Shelby County Government is proposing a series of open space and infrastructure project elements that will help make the greater Memphis area more resilient in future disaster and flooding events. The Wolf River Wetland Restoration and Greenway activity encompasses improvements at three distinct locations – Rodney Baber Park, John F. Kennedy Park, and Orchi Road between Highland Street and Jackson Avenue.

For this notice, all three project activities are located within the Wolf River Floodplain. Additionally, there will be minor impacts on isolated wetlands. The Rodney Baber Park improvements will affect approximately 58.2 acres of floodplain and 0.79 acres of wetlands. The John F. Kennedy Park improvements will affect approximately 32.2 acres of floodplain and 0 (zero) acres of wetlands. The Orchi Road improvements will affect approximately 2.5 acres of floodplain and 0.20 acres of wetlands. The following describes the project locations and their proposed improvements:

The natural and beneficial functions of the floodplain and the wetlands will be marginally impacted by the proposed construction in the parks and along Orchi Road. In the parks, new wetlands and ponds will be created and the recreational features (sports fields, pavilions, etc.) designed to elevate them above the floodplain while preserving or replacing the existing adjacent floodplain area.

Rodney Baber Park

Rodney Baber Park is located directly south of James Road, half a mile west of Hollywood and is bounded by McLean on the West and Interstate 40 on the South. The proposed concept plan for Rodney Baber Park will consist of up to four (4) soccer fields, one (1) baseball diamond, one (1) fishing lake, a large farmer's market/festival pavilion and festival grounds, multi-use trails, one (1) proposed wetland with boardwalk, preservation of existing wetlands, a playground and shade structure, and the associated parking for the aforementioned facilities. It is anticipated that this activity will be completed over two phases of construction. The site will be terraced and tie into the existing grades along the identified T.V.A. easement. Approximately 19 acres will be raised above the floodplain and approximately 275,000 cubic yards of net fill will be required. Site grading up to the 100-year flood elevation will be balanced. The site will be graded down to match the existing elevation at the 250-foot wide T.V.A. easement along the southern portion of the property. Due to the increased elevations at Rodney Baber Park, a 1:1 stormwater mitigation will be required to compensate for the additional fill on-site in the existing floodplain. The majority of the fill material required to meet the mitigation requirements will be taken from the proposed wetland and fishing lake in Rodney Baber Park and also from John F. Kennedy Park which will compensate for the 1:1 mitigation requirement.

John F. Kennedy Park

John F. Kennedy Park (Kennedy Park) is located south of Raleigh-Lagrange Road and northeast of Interstate 40 on a parcel owned by the City of Memphis. The property is roughly 260 acres, but the activity site will only disturb approximately 32.2 acres. The concept for Kennedy Park includes replacing five existing baseball/softball diamonds with approximately four soccer fields, a paved trail, which incorporates approximately 54,000 square feet of the proposed bicycle/pedestrian trails throughout the park connecting to the Wolf River Greenway, linking the park to the Midsouth Greenprint in two places. Some of the soccer fields will be re-graded to serve as detention during intense storm events. The site grading will result in a net excavation of approximately 155,000 cubic yards from the floodplain. The excavated material will be transported and used as fill in Rodney Baber Park. Two (2) new wetlands will be created south of the proposed soccer fields. The proposed improvements to Kennedy Park are anticipated to be completed in two phases of construction.

Orchi Road

Orchi Road is located east of Highland Street, north of Chelsea Avenue, and west of Jackson Avenue. During the 2011 storm event, stormwater collected on the north side of the Orchi Road and eventually overtopped the road and flooded 19 homes. The proposed activity entails construction of a flood control berm on the north side of Orchi Road, between Highland Street and Hanson Road. A land parcel owned by Shelby County north of Orchi Road will be utilized to create a wetland pond. This area will also serve as a detention facility to store the stormwater that was overtopping the roadway to prevent impacting additional properties. The excavated material will also provide fill material for the berm and fill at Rodney Baber Park.

Orchi Road will be reconstructed as a complete street with bicycle facilities along the north side of the road providing a direct connection from the surrounding low and moderate income (LMI) neighborhoods to the Wolf River Greenway. Sidewalks and street trees will be incorporated on each side of Orchi Road for pedestrian access.

There are three primary purposes for this notice. First, people who may be affected by activities in the wetland and floodplain and those who have an interest in the protection of the natural environment should be given an opportunity to express their concerns and provide information about these areas. Second, an adequate public notice program can be an important public educational tool. The dissemination of information about wetlands and the floodplain can facilitate and enhance Federal efforts to reduce the risks associated with the occupancy and modification of these special areas. Third, as a matter of fairness, when the Federal government determines it will participate in actions taking place in wetlands and floodplains, it must inform those who may be put at greater or continued risk.

Additional information on the proposal may be obtained by contacting Drake Danley at (901) 374-9109.

Written comments must be received by Shelby County at the following address on or before **March 15, 2018**:

Kimley-Horn and Associates, Inc.
Attention: Drake Danley
6750 Poplar Avenue, Suite 600
Memphis, TN 38138

during the hours of 9:00 AM to 4:00 PM.

Comments may also be submitted via email at: Drake.Danley@kimley-horn.com

Date: February 22, 2018

Attest:

Mark H. Luttrell, Jr. Mayor
Shelby County, Tennessee

Public Notices

at the City Hall, Council Chambers, 125 North Main Street, Memphis, Tennessee, to hear remonstrances or protests against the making of such changes; such remonstrances or protests must be by personal appearances, or by attorneys, or by petition, and then and there you will be present if you wish to remonstrate or protest against the same.

**BERLIN BOYD
CHAIRMAN OF COUNCIL**

**ATTEST:
SHIRLEY FORD
CITY COMPTROLLER**
Feb. 23, 2018

Mnd60958

**EARLY NOTICE AND PUBLIC REVIEW
OF A PROPOSED
ACTIVITY IN A WETLAND AND
FLOODPLAIN WITHIN THE WOLF
RIVER BASIN
IN SHELBY COUNTY, TENNESSEE**

To: All interested Federal, State and Local Agencies and Groups or Individuals

This is to give notice that Shelby County Government under Part 58 has conducted an evaluation as required by Executive Order 11988, to determine the potential affect that its activity in wetlands and the floodplain will have on the human environment for the Wolf River Wetland Restoration and Greenway project under the HUD National Disaster Resiliency Grant, Contract Number B-13-US-470002.

Shelby County Government is proposing a series of open space and infrastructure project elements that will help make the greater Memphis area more resilient in future disaster and flooding events. The Wolf River Wetland Restoration and Greenway activity encompasses improvements at three distinct locations – Rodney Baber Park, John F. Kennedy Park, and Orchi Road between Highland Street and Jackson Avenue.

For this notice, all three project activities are located within the Wolf River Floodplain. Additionally, there will be minor impacts on isolated wetlands. The Rodney Baber Park improvements

will compensate for the 1:1 mitigation requirement.

John F. Kennedy Park

John F. Kennedy Park (Kennedy Park) is located south of Raleigh-Lagrange Road and northeast of Interstate 40 on a parcel owned by the City of Memphis. The property is roughly 260 acres, but the activity site will only disturb approximately 32.2 acres. The concept for Kennedy Park includes replacing five existing baseball/softball diamonds with approximately four soccer fields, a paved trail, which incorporates approximately 54,000 square feet of the proposed bicycle/pedestrian trails throughout the park connecting to the Wolf River Greenway, linking the park to the Midsouth Greenprint in two places. Some of the soccer fields will be re-graded to serve as detention during intense storm events. The site grading will result in a net excavation of approximately 155,000 cubic yards from the floodplain. The excavated material will be transported and used as fill in Rodney Baber Park. Two (2) new wetlands will be created south of the proposed soccer fields. The proposed improvements to Kennedy Park are anticipated to be completed in two phases of construction.

Orchi Road

Orchi Road is located east of Highland Street, north of Chelsea Avenue, and west of Jackson Avenue. During the 2011 storm event, stormwater collected on the north side of the Orchi Road and eventually overtopped the road and flooded 19 homes. The proposed activity entails construction of a flood control berm on the north side of Orchi Road, between Highland Street and Hanson Road. A land parcel owned by Shelby County north of Orchi Road will be utilized to create a wetland pond. This area will also serve as a detention facility to store the stormwater that was overtopping the roadway to prevent impacting additional properties. The excavated material will also provide fill material for the berm and fill at Rodney Baber Park.

Orchi Road will be reconstructed as a complete street with bicycle facilities along the north side of the road

for remediation of petroleum hydrocarbons that resulted from a release from an underground storage tank system located at 3135 New Horn Lake Road, Memphis, TN. The site is identified by TDEC as Facility ID No. 9-792386. A copy of the CAP is available for public inspection at the following location Mon. thru Fri. (except legal holidays) from 8:00 am to 4:30 pm. Persons wishing to comment or provide additional information may do so in writing to the named contact:

**Jessica Carnes
TDEC, Division of USTs
312 Rosa L. Parks Ave, 12th Floor
William R. Snodgrass TN Tower
Nashville TN 37243
(615) 532-6809**

Feb. 23, 2018 Mnd61030

Notice of Public Comments Being Accepted

The Memphis Area Transit Authority (MATA) gives notice that comments will be accepted from the public on proposed adjustments of fixed-route bus service through midnight on **Friday, March 9, 2018**. Approved changes will become effective **Sunday, April 29, 2018**, except for Route 77 West Memphis and Route 98 West Memphis Express, which will discontinue service on **Saturday March 31, 2018**.

Several service adjustments of fixed-route bus service are being proposed to provide improved service and increased productivity. There are 29 routes with proposed service adjustments, including:

- One route with routing changes
- One route with increased frequency
- Sixteen routes with discontinued trips
- One route with discontinued Saturday service
- One route with discontinued Sunday service
- Seven routes with adjusted schedule times to improve on-time performance and connectivity
- Two eliminated routes

PROPOSED SCHEDULE AND

continue 5:34 p.m. eastbound trip from Belz and Third.

36 Hacks Cross – Weekdays, Saturdays and Sundays: adjust schedule times to improve on-time performance.

38 Boxtown Westwood – Discontinue Saturday service. Weekdays: discontinue 5:40 a.m. and 7:06 a.m. outbound trips from Boxtown and Sewanee, and 6:23 a.m. inbound trip from Parkrose and Doubletree.

39 S. Third – Weekdays: Discontinue 6:43 a.m., 8:28 a.m., and 2:58 p.m. inbound trips from Parkrose and Ford, 4:36 p.m., 6:25 p.m. inbound trips from Holmes at Neely, and 7:30 a.m., 3:45 p.m., and 5:25 p.m. outbound trip from Hudson Transit Center. Adjust schedule times to improve on-time performance.

40 Wolfchase – Weekdays: discontinue 6:55 a.m. and 11:15 p.m. outbound trip from Hudson Transit Center.

42 Crosstown – Weekdays: discontinue 11:27 p.m. northbound trip and 11:06 p.m. southbound trip. Adjust schedule times to improve on-time performance. Saturdays: reduce frequency after 8:00 p.m. from every 45 minutes to every 60 minutes.

44 Goodlett Ikea Way – Reduce frequency from every 60 minutes to every 120 minutes.

45 Appling Farms – Reduce frequency from every 60 minutes to every 120 minutes.

47 Shelby Farms Park – Saturdays: service will resume with new routing: Hudson Transit Center > A.W. Willis > N Parkway > N Bellevue > Overton Park > N Watkins > N Parkway > N Hollywood > Sam Cooper > Tillman > Johnson > N Holmes > Summer > N Highland > Sam Cooper > Sycamore View > State > Mullens Station > Farm > Great View Drive North > N Pine Lake > Great View Drive North > Walnut Grove > N Germantown > Moore > Belz View > Timber Creek.

52 Jackson – Weekdays: discontinue 3:33 p.m. and 5:03 p.m. inbound trips from Methodist Hospital North and 4:15 p.m. and 5:45 p.m. outbound trips from Hudson Transit Center.

provide comment on any service proposal under consideration. All public comments received will be considered prior to action on the service proposals. Individuals who are unable to attend the public meeting may submit written comments postmarked through midnight on **Friday, March 9, 2018** which is when the public comment period ends. Comments sent via U.S. Mail should be addressed to: Memphis Area Transit Authority, Attention: April 2018 Service Changes Public Comment, 1370 Levee Road, Memphis, TN 38108. Comments via e-mail should be addressed to “April 2018 Service Changes” in the subject line to publiccomments@matatransit.com.

Public meetings will be held at the following times and locations:

- Bickford Community Center, 233 Henry Ave, 5:00 p.m. on Tuesday, March 6, 2018
- Airways Transit Center, 3033 Airways Blvd., 3:30 p.m. on Wednesday, March 7, 2018
- West Memphis City Hall, 205 S. Redding, 3:00 p.m., on Thursday March 8, 2018.

MATA’s Board of Commissioners will review and consider all comments received and address the service changes and effective date at the Board meeting which takes place on **Tuesday, March 27, 2018**. The Board meeting will be held at **3:30 p.m.** at MATA Headquarters located at 1370 Levee Road in the Board Room.

Requests for reasonable accommodations, interpretation services and materials in other languages can be made at no cost, and must be submitted by 5 p.m. on Friday, March 2, 2018. Please submit requests by calling 901-722-7144 between 8 a.m. and 5 p.m. Monday through Friday.

Feb. 23, 2018 Mnd61149

NOTICE TO THE PUBLIC

The following person(s) has asked the City of Memphis Alcohol Commission for permission to sell beer for **OFF**

floodplain and 0.19 acres of wetlands. The John F. Kennedy Park improvements will affect approximately 32.2 acres of floodplain and 0 (zero) acres of wetlands. The Orchi Road improvements will affect approximately 2.5 acres of floodplain and 0.20 acres of wetlands. The following describes the project locations and their proposed improvements:

The natural and beneficial functions of the floodplain and the wetlands will be marginally impacted by the proposed construction in the parks and along Orchi Road. In the parks, new wetlands and ponds will be created and the recreational features (sports fields, pavilions, etc.) designed to elevate them above the floodplain while preserving or replacing the existing adjacent floodplain area.

Rodney Baber Park

Rodney Baber Park is located directly south of James Road, half a mile west of Hollywood and is bounded by McLean on the West and Interstate 40 on the South. The proposed concept plan for Rodney Baber Park will consist of up to four (4) soccer fields, one (1) baseball diamond, one (1) fishing lake, a large farmer's market/festival pavilion and festival grounds, multi-use trails, one (1) proposed wetland with boardwalk, preservation of existing wetlands, a playground and shade structure, and the associated parking for the aforementioned facilities. It is anticipated that this activity will be completed over two phases of construction. The site will be terraced and tie into the existing grades along the identified T.V.A. easement. Approximately 19 acres will be raised above the floodplain and approximately 275,000 cubic yards of net fill will be required. Site grading up to the 100-year flood elevation will be balanced. The site will be graded down to match the existing elevation at the 250-foot wide T.V.A. easement along the southern portion of the property. Due to the increased elevations at Rodney Baber Park, a 1:1 stormwater mitigation will be required to compensate for the additional fill on-site in the existing floodplain. The majority of the fill material required to meet the mitigation requirements will be taken from the proposed wetland and fishing lake in Rodney Baber Park and also from John F. Kennedy Park which

surrounding low and moderate income (LMI) neighborhoods to the Wolf River Greenway. Sidewalks and street trees will be incorporated on each side of Orchi Road for pedestrian access. There are three primary purposes for this notice. First, people who may be affected by activities in the wetland and floodplain and those who have an interest in the protection of the natural environment should be given an opportunity to express their concerns and provide information about these areas. Second, an adequate public notice program can be an important public educational tool. The dissemination of information about wetlands and the floodplain can facilitate and enhance Federal efforts to reduce the risks associated with the occupancy and modification of these special areas. Third, as a matter of fairness, when the Federal government determines it will participate in actions taking place in wetlands and floodplains, it must inform those who may be put at greater or continued risk.

Additional information on the proposal may be obtained by contacting Drake Danley at (901) 374-9109.

Written comments must be received by Shelby County at the following address on or before **March 15, 2018:**

Kimley-Horn and Associates, Inc.
Attention: Drake Danley
6750 Poplar Avenue, Suite 600
Memphis, TN 38138

during the hours of 9:00 AM to 4:00 PM.

Comments may also be submitted by email at: Drake.Danley@kimley-horn.com

Date: February 22, 2018

Attest:

Mark H. Luttrell, Jr. Mayor
Shelby County, Tennessee
Feb. 23, 2018 Mnd61011

PUBLIC NOTICE
UNDERGROUND STORAGE TANK
(UST)
CORRECTIVE ACTION PLAN

At the request of the Tennessee Department of Environment & Conservation (TDEC), Division of USTs, a Corrective Action Plan (CAP) has been developed

4 Walker - Weekdays: discontinue 6:45 p.m. outbound trip and 5:40 a.m. inbound trip from Castalia.

7 Air Park - Saturdays: discontinue 9:54 a.m., 10:54 a.m. and 11:54 a.m. eastbound trips from American Way Transit Center and 10:25 a.m., 11:25 a.m., and 12:25 p.m. westbound trips from Kirby and Shelby. Add new 5:54 a.m. and 4:54 p.m. trip departing eastbound from American Way Transit Center and returning westbound.

9 Highland - Weekdays: adjust schedule times to improve northbound connection with Route 8 Chelsea.

11. Frayser Raleigh - Weekdays: discontinue 9:32 p.m. inbound trip from Frayser Plaza and 10:15 p.m. outbound trip from Hudson Transit Center.

17 McLemore - Discontinue Sunday service.

19 Vullintine - Weekdays: adjust schedule times to improve on-time performance and to improve connection with the southbound Route 42 Crosstown.

26 Hickory Hill - Weekdays: discontinue 10:55 p.m. eastbound trip from American Way Transit Center and 11:20 p.m. westbound trip from Kirby and Shelby.

30 Brooks - Weekdays: discontinue 9:48 a.m., 11:18 a.m., 12:48 p.m., 5:18 p.m., and 6:48 p.m. eastbound trips from Peebles at Old Horn Lake, and 10:30 a.m., 12:00 p.m., 1:30 p.m., 6:00 p.m., and 7:30 p.m. westbound trips from American Way Transit Center.

31 Firestone - Weekdays: discontinue 8:05 a.m., 9:05 a.m., 1:05 p.m., 2:05 p.m., 3:05 p.m., and 6:05 p.m. southbound trips from Marble and Thomas, and 8:40 a.m., 9:40 a.m., 1:40 p.m., 2:40 p.m., 3:40 p.m., and 6:40 p.m. northbound trips from Jefferson and Montgomery.

34 Walnut Grove - Weekdays: discontinue 6:03 a.m. and 8:03 a.m. inbound trips from Humphreys and 7:00 a.m. outbound trip from Hudson Transit Center. Discontinue 3:00 p.m. and 5:30 p.m. outbound trips and 4:03 p.m. inbound trip and replace with adjusted schedule times on Route 340 Walnut Grove Express.

35 South Parkway - Weekdays: dis-

continue 5:36 a.m. inbound trip from Summer and White Station and 6:45 p.m. and 11:15 p.m. outbound trips from Hudson Transit Center.

56 Lamar - Weekdays, Saturdays, and Sundays: adjust schedule times to improve on-time performance.

57 Park - Saturdays: discontinue 9:15 p.m. eastbound trip from Primacy and Ridgeway.

64 Airport Shuttle - Weekdays, Saturdays and Sundays: adjust schedule times to improve on-time performance.

77 West Memphis - Discontinue all service effective Saturday March 31, 2018.

98 West Memphis Express - Discontinue all service effective Saturday March 31, 2018.

99 Nonconnah - Weekdays: Increase frequency from every 60 minutes to every 30 minutes.

280 Airways Transit Center Express - Change route name to "28L Airways Transit Center Limited Stop," and charge regular fare instead of express fare. Weekdays: Adjust schedule times to improve on-time performance. Adjust routing on first two outbound trips to start at Watkins at Levee Rd: Watkins > Vullintine > Breedlove > Jackson > Thomas > A.W. Willis > Hudson Transit Center, and then continue regular outbound routing.

340 Walnut Grove Express - Change route name to "34L Walnut Grove Limited Stop," and charge regular fare instead of express fare. Weekdays: Adjust morning and afternoon trips to cover discontinued Route 34 Walnut Grove trips.

400 Wolfchase Express - Change route name to "40L Wolfchase Limited Stop," and charge regular fare instead of express fare. Weekdays: discontinue 5:50 a.m. inbound trip.

PUBLIC COMMENT SCHEDULE

Note: These proposals may be approved in whole or in part at a date following the public hearings. Approved changes may also include other alternatives derived from public comments. Interested members of the public are encouraged to attend the upcoming public meeting and

DBA: Blooming Main
LOCATION: 464 South Main

Anyone desiring to circulate a petition FOR or AGAINST said establishment selling beer at this location must secure the petition blanks from the undersigned Commission at 2714 Union Ave. Extended, 1st Floor.

Must be filed no later than Tuesday, March 6, 2018.

Jared Johnson, Chairman
Barry Chase, Member
Sherman Greer, Member
Erma Hayslett, Member
Thomas O'Malley, Member
Renee Poe, Member
Billy Post, Member
Steven Reid, Member
Johnsie Wallace, Member

Aubrey J. Howard,
Executive Secretary,
City of Memphis Alcohol Commission
Feb. 23, 2018 Mnd61162

NOTICE OF PROPOSED SALE OF REAL PROPERTY

BY SHELBY COUNTY GOVERNMENT

Notice is hereby given, pursuant to T.C.A. § 67-5-2507, that Shelby County Government has received an Offer to Purchase for the following property:

James Hill

Tax Parcel # **07508700004390**

Tax Sale #1203

Price Offered: \$2,100.00 Terms: Cash
Additional Offers to Purchase, of at least ten percent (10%) higher, may be submitted within Ten (10) working days of this notice. If additional offers are received during this ten (10) day period, all prospective Purchasers must attend a Public "Bid Off" at 9:30 a.m. on March 20, 2018, to be held in the Shelby County Land Bank Office, to determine the highest and best offer. The property shall thereafter be sold to the prospective Purchaser making the highest and best offer without warranties of any sort.

SHELBY COUNTY LAND BANK
584 ADAMS AVENUE, MEMPHIS, TN
38103

MIKE BLACKWELL (901) 222-2581
Feb. 23, 2018 Mnd61165

**NOTIFICACIÓN TEMPRANA Y REVISIÓN PÚBLICA DE UNA ACTIVIDAD PROPUESTA
EN UN HUMEDAL Y LLANURA DE INUNDACIÓN EN LA CUENCA DEL RÍO WOLF
EN EL CONDADO DE SHELBY, TENNESSEE**

Para: Todas las agencias federales, estatales y locales y los grupos o individuos interesados

Esto es para notificar que el Gobierno del Condado de Shelby, bajo la Parte 58, ha llevado a cabo una evaluación como lo requiere la Orden Ejecutiva 11988 para determinar el efecto potencial que su actividad en los humedales y la llanura de inundación tendrá en el entorno humano para el proyecto de "Wolf River Wetland Restoration and Greenway" bajo la subvención nacional de resiliencia ante desastres del Departamento de Vivienda y Desarrollo Urbano de EE.UU. (HUD, por sus siglas en inglés), número de contrato E-13-US-470002.

El Gobierno del Condado de Shelby está proponiendo una serie de elementos de proyecto de infraestructura y espacio abierto que ayudarán a que el área metropolitana de Memphis sea más resistente en futuras situaciones de desastres e inundaciones. La actividad del "Wolf River Wetland Restoration and Greenway" abarca mejoras en tres lugares distintos: Rodney Baber Park, John F. Kennedy Park y Orchi Road, entre Highland Street y Jackson Avenue.

Para esta notificación, las tres actividades del proyecto están ubicadas dentro del Wolf River Floodplain (la llanura aluvial del río Wolf). Además, habrá impactos menores en humedales aislados. Las mejoras en el Rodney Baber Park afectarán aproximadamente 58.2 acres de llanuras de inundación y 0.79 acres de humedales. Las mejoras en el John F. Kennedy Park afectarán aproximadamente 32.2 acres de llanuras de inundación y 0 (cero) acres de humedales. Las mejoras en Orchi Road afectarán aproximadamente 2.5 acres de llanuras de inundación y 0.20 acres de humedales. A continuación, se describen las ubicaciones del proyecto y sus mejoras propuestas:

Las funciones naturales y beneficiosas de la llanura de inundación y los humedales se verán marginalmente afectadas por la construcción propuesta en los parques y en la Calle Orchi (Orchi Road). En los parques, se crearán nuevos humedales y estanques (pools) y se diseñarán características recreativas (campos deportivos, pabellones, etc.) para ser elevadas por encima de la llanura aluvial mientras se preserva o reemplaza el área adyacente existente de la llanura aluvial.

Rodney Baber Park

El Rodney Baber Park está ubicado directamente al sur de James Road, a media milla al oeste de Hollywood y limita con McLean en el oeste y la carretera interestatal 40 en el sur. El plan conceptual propuesto para el Rodney Baber Park constará de hasta cuatro (4) campos de fútbol (soccer), un (1) diamante de béisbol, un (1) lago de pesca, un gran terreno con pabellón para mercado/festivales y ferias, senderos de usos múltiples, un (1) humedal propuesto con paseo marítimo, la preservación de humedales existentes, un patio de recreo infantil (playground) y una estructura de sombra, y estacionamiento para las instalaciones mencionadas anteriormente. Se anticipa que esta actividad sea completada en dos fases de construcción. El sitio será terraplenado y vinculado con los grados existentes y el derecho de acceso a la propiedad identificado de T.V.A. Aproximadamente 19 acres se elevarán por encima de la llanura de inundación y se requerirán aproximadamente 275,000 yardas cúbicas de relleno neto. La clasificación del sitio hasta la elevación de inundación de 100 años será equilibrada. El sitio será clasificado para coincidir con la elevación existente en el derecho de acceso de T.V.A. de 250 pies de ancho a lo largo de la porción sur de la propiedad. Debido al aumento de las elevaciones en el Rodney Baber Park, se requerirá una mitigación de aguas pluviales 1:1 para compensar el relleno adicional en el sitio en la llanura de inundación existente. La mayoría del material de relleno requerido para cumplir con los requisitos de mitigación se tomará del humedal y del lago de pesca propuestos en el Rodney Baber Park y también del John F. Kennedy Park, lo que compensará el requisito de mitigación 1:1.

John F. Kennedy Park

El John F. Kennedy Park (Kennedy Park) está ubicado al sur de Raleigh-Lagrange Road y al noreste de la Interestatal 40 en un terreno que es propiedad de la Ciudad de Memphis. La propiedad tiene aproximadamente 260 acres, pero el sitio de la actividad solo alterará aproximadamente 32.2 acres. El concepto para el Kennedy Park incluye reemplazar cinco diamantes existentes de béisbol/softbol con aproximadamente cuatro campos de fútbol (soccer), un sendero pavimentado que, además de incorporar aproximadamente 54,000 pies cuadrados de senderos para bicicletas peatonales propuestos en todo el parque para hacer conexiones con el Wolf River Greenway, conecta también al parque con el Greenprint de Midsouth en dos lugares. Algunos de los campos de fútbol serán recalificados para servir como detención durante los eventos de tormentas intensas. La clasificación del sitio resultará en una excavación neta de aproximadamente 155,000 yardas cúbicas desde la llanura de inundación. El material excavado será transportado y utilizado como relleno en el Rodney Baber Park. Se crearán dos (2) nuevos humedales al sur de los campos de fútbol propuestos. Se anticipa que las mejoras propuestas al Parque Kennedy sean completadas en dos fases de construcción.

Orchi Road

Orchi Road se encuentra al este de Highland Street, al norte de Chelsea Avenue y al oeste de Jackson Avenue. Durante la gran tormenta del 2011, las aguas pluviales se acumularon en el lado norte de la Orchi Road y eventualmente sobrepasaron la carretera e inundaron 19 casas. La actividad propuesta implica la construcción de una bermas de control de inundaciones en el lado norte de Orchi Road, entre Highland Street y Hanson Road. Una parcela de tierra, propiedad del condado de Shelby, al norte de Orchi Road se utilizará para crear un estanque de humedal. Esta área también servirá como una instalación de detención para almacenar el agua de lluvia que sobrepasa la carretera para evitar así que propiedades adicionales se vean afectadas. El material excavado también proporcionará material de relleno para la bermas y el relleno en el Rodney Baber Park.

Orchi Road se reconstruirá como una calle completa con instalaciones para bicicletas a lo largo del lado norte de la carretera, proporcionando así una conexión directa desde los vecindarios de bajos a moderados ingresos (LMI) a los vecindarios de Wolf River Greenway. Las aceras y los árboles de la calle se incorporarán a cada lado de Orchi Road para el acceso peatonal.

Hay tres propósitos principales para esta notificación. En primer lugar, las personas que puedan verse afectadas por actividades en el humedal y la llanura de inundación y aquellas que tengan interés en la protección del medio ambiente natural deben tener la oportunidad de expresar sus preocupaciones y proporcionar información sobre estas áreas. Segundo, un programa adecuado de aviso público puede ser una herramienta educativa pública importante. La difusión de información sobre los humedales y la llanura de inundación puede facilitar y mejorar los esfuerzos federales para reducir los riesgos asociados con la ocupación y modificación de estas áreas especiales. Tercero, como cuestión de equidad, cuando el gobierno federal determine que participará en las acciones que se llevan a cabo en los humedales y las llanuras de inundación, debe informar a aquellos que puedan ser puestos en un riesgo mayor o continuo.

Se puede obtener información adicional sobre la propuesta comunicándose con Drake Danley al (901) 374-9109.

Los comentarios por escrito deben ser recibidos por el Condado de Shelby en la siguiente dirección antes del **15 de marzo del 2018**:

Kimley-Horn and Associates, Inc.
Atención: Drake Danley
6750 Poplar Avenue, Suite 600
Memphis, TN 38138

Durante el horario de 9:00 AM a 4:00 PM.

Los comentarios también pueden ser enviados por correo electrónico a: Drake.Danley@kimley-horn.com

Fecha: 22 de febrero del 2018

De fe:
Mark H. Luttrell, Jr. Alcalde
Condado de Shelby, Tennessee

**EARLY NOTICE AND PUBLIC REVIEW OF A
PROPOSED ACTIVITY IN A WETLAND AND
FLOODPLAIN WITHIN THE WOLF RIVER BASIN
IN SHELBY COUNTY, TENNESSEE**

**To: All interested Federal, State and
Local Agencies and Groups or Individuals**

This is to give notice that Shelby County Government under Part 58 has conducted an evaluation as required by Executive Order 11988, to determine the potential affect that its activity in wetlands and the floodplain will have on the human environment for the Wolf River Wetland Restoration and Greenway project under the HUD National Disaster Resiliency Grant, Contract Number B-13-US-470002.

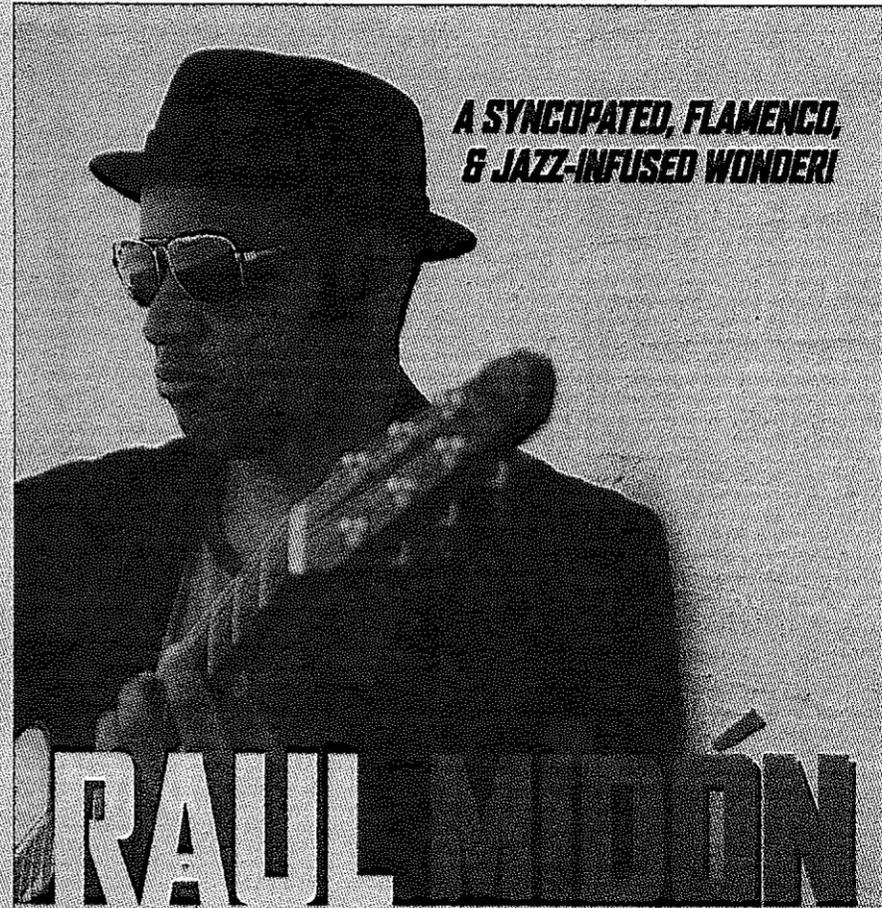
Shelby County Government is proposing a series of open space and infrastructure project elements that will help make the greater Memphis area more resilient in future disaster and flooding events. The Wolf River Wetland Restoration and Greenway activity encompasses improvements at three distinct locations — Rodney Baber Park, John F. Kennedy Park, and Orchi Road between Highland Street and Jackson Avenue.

For this notice, all three project activities are located within the Wolf River Floodplain. Additionally, there will be minor impacts on isolated wetlands. The Rodney Baber Park improvements will affect approximately 58.2 acres of floodplain and 0.79 acres of wetlands. The John F. Kennedy Park improvements will affect approximately 32.2 acres of floodplain and 0 (zero) acres of wetlands. The Orchi Road improvements will affect approximately 2.5 acres of floodplain and 0.20 acres of wetlands. The following describes the project locations and their proposed improvements:

The natural and beneficial functions of the floodplain and the wetlands will be marginally impacted by the proposed construction in the parks and along Orchi Road. In the parks, new wetlands and ponds will be created and the recreational features (sports fields, pavilions, etc.) designed to elevate them above the floodplain while preserving or replacing the existing adjacent floodplain area.

Rodney Baber Park

Rodney Baber Park is located directly south of James Road, half a mile west of Hollywood and is bounded by McLean on the West and Interstate 40 on the South. The proposed concept plan for Rodney Baber Park will consist of up to four (4) soccer fields, one (1) baseball diamond, one (1) fishing lake, a large farmer's market/festival pavilion and festival grounds, multi-use trails, one (1) proposed wetland with boardwalk, preservation of existing wetlands, a playground and shade structure, and the associated parking for the aforementioned facilities. It is anticipated that this activity will be completed over two phases of construction. The site will be terraced and tie into the existing grades along the identified T.V.A. easement. Approximately 19 acres will be raised above the floodplain and approximately 275,000 cubic yards of net fill will be required. Site grading up to the 100-year flood elevation will be balanced. The site will be graded down to match the existing elevation at the 250-foot wide T.V.A. easement along the southern portion of the property. Due to the increased elevations at Rodney Baber Park, a 1:1 stormwater mitigation will be required to compensate for the additional fill on-site in the existing floodplain. The majority of the fill material required to meet the mitigation requirements will be taken from the proposed wetland and fishing lake in Rodney Baber Park and also from John F. Kennedy Park which will compensate for the 1:1 mitigation requirement.



**A SYNCOPATED, FLAMENCO,
& JAZZ-INFUSED WONDER!**

TRAVELER

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John F. Kennedy Park

John F. Kennedy Park (Kennedy Park) is located south of Raleigh-Lagrange Road and northeast of Interstate 40 on a parcel owned by the City of Memphis. The property is roughly 260 acres, but the activity site will only disturb approximately 32.2 acres. The concept for Kennedy Park includes replacing five existing baseball/softball diamonds with approximately four soccer fields, a paved trail, which incorporates approximately 54,000 square feet of the proposed bicycle/pedestrian trails throughout the park connecting to the Wolf River Greenway, linking the park to the Midsouth Greenprint in two places. Some of the soccer fields will be re-graded to serve as detention during intense storm events. The site grading will result in a net excavation of approximately 155,000 cubic yards from the floodplain. The excavated material will be transported and used as fill in Rodney Baber Park. Two (2) new wetlands will be created south of the proposed soccer fields. The proposed improvements to Kennedy Park are anticipated to be completed in two phases of construction.

Orchi Road

Orchi Road is located east of Highland Street, north of Chelsea Avenue, and west of Jackson Avenue. During the 2011 storm event, stormwater collected on the north side of the Orchi Road and eventually overtopped the road and flooded 19 homes. The proposed activity entails construction of a flood control berm on the north side of Orchi Road, between Highland Street and Hanson Road. A land parcel owned by Shelby County north of Orchi Road will be utilized to create a wetland pond. This area will also serve as a detention facility to store the stormwater that was overtopping the roadway to prevent impacting additional properties. The excavated material will also provide fill material for the berm and fill at Rodney Baber Park.

Orchi Road will be reconstructed as a complete street with bicycle facilities along the north side of the road providing a direct connection from the surrounding low and moderate income (LMI) neighborhoods to the Wolf River Greenway. Sidewalks and street trees will be incorporated on each side of Orchi Road for pedestrian access.

There are three primary purposes for this notice. First, people who may be affected by activities in the wetland and floodplain and those who have an interest in the protection of the natural environment should be given an opportunity to express their concerns and provide information about these areas. Second, an adequate public notice program can be an important public educational tool. The dissemination of information about wetlands and the floodplain can facilitate and enhance Federal efforts to reduce the risks associated with the occupancy and modification of these special areas. Third, as a matter of fairness, when the Federal government determines it will participate in actions taking place in wetlands and floodplains, it must inform those who may be put at greater or continued risk.

Additional information on the proposal may be obtained by contacting
Drake Danley at (901) 374-9109.

Written comments must be received by Shelby County at the following address on or before March 15, 2018:

**Kimley-Horn and Associates, Inc.
Attention: Drake Danley
6750 Poplar Avenue, Suite 600
Memphis, TN 38138**

during the hours of 9:00 AM to 4:00 PM.

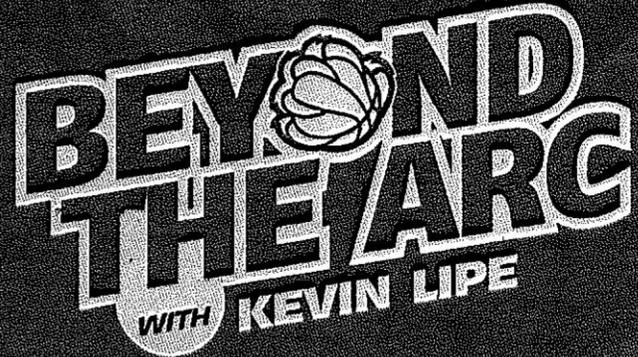
Comments may also be submitted via email at: **Drake.Danley@kimley-horn.com**

Date: February 22, 2018

Attest:

**Mark H. Luttrell, Jr. Mayor
Shelby County, Tennessee**

KEVIN DON'T BLUFF



Kevin Lipe on the Memphis Grizzlies before, during, and after the game.

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A-11 Final Notice and Public Explanation

A Final Notice and Public Explanation document was published in March and April 2018 in three different publications serving the Shelby County area:

- The Memphis Daily News – published April 6, 2018
- The Memphis Flyer – published April 3, 2018
- La Prensa Latina – published March 28, 2018

No responses were received from the publication of this notice. Copies of the notice and proof of publication are included in the pages that follow.

From: [Vazquez, Jim](#)
To: ["FFMA-R4FHP@fema.dhs.gov"](#)
Cc: ["O'Neil, Telly S"](#); ["Wilson, Mary C"](#); ["sandra.l.frye@hud.gov"](#); ["jesse.munoz@fema.dhs.gov"](#); ["Madson, Stephanie"](#); ["susan.wilson@fema.dhs.gov"](#); [Danley, Drake](#); ["Eason, Kevin"](#); [Darby, Jared](#); [Garrett, Alfred](#); [Modzelewski, John](#); ["Fletcher, Tom"](#)
Subject: National Disaster Resilience Grant - 2nd 8-Step Notice
Date: Monday, April 02, 2018 12:03:00 PM
Attachments: [Email to FFMA and HUD - 2nd 8-Step.pdf](#)

Please find attached information regarding a Public Notice that ran in Shelby County, Tennessee on Sunday April 1, 2018 and which will also run on Thursday April 5, 2018 and Friday April 6, 2018 related to the second Notice under the HUD 8-Step Review Process for the use of National Disaster Resilience Grant funds. The Notice addresses activities to be carried out as part of the Wolf River Wetland and Restoration Greenway. The Notice specifically addresses construction and resilience work along and within Rodney Baber Park, Kennedy Park, and Orchi Road as part of long term resilience activities identified under the National Disaster Resilience Competition (NDRC) and the subsequent NDR Grant award.

Comments on the attached notice will be accepted between April 1, 2018 and April 26, 2018. As indicated in the Notice itself, comments should be directed to: Kimley-Horn and Associates, Inc., Attention: Drake Danley, 6750 Poplar Avenue, Suite 600, Memphis, TN 38138; or via email to : Drake.Danley@kimley-horn.com

I may be reached at the number and email shown below, should you have any questions for me concerning his Notice.

Jim

Jim Vazquez, Administrator
Office of Resilience
125 N. Main, Room 443
Memphis, TN 38103
Office: 901-636-7170
Fax: 901-636-6603
jim.vazquez@memphistn.gov



Shelby County Government Office of Resiliency

125 NORTH MAIN STREET, ROOM 443, MEMPHIS, TENNESSEE 38103-2084
Tel: (901) 222-7602 Fax: (901) 222-7621

Mark H. Luttrell, Jr.

Mayor

April 2, 2018

DHS/FEMA R4
Attention: E011988/NEPA Reviewer
3003 Chamblee Tucker Road
Atlanta, GA 30341-4112

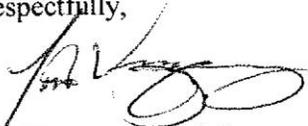
Dear E011988/NEPA Reviewer:

Attached is a Public Notice which ran locally on April 1st, and which will run again on April 5th, and April 6th, 2018 for the 15-day review period in Shelby County, Tennessee. This is the second notice under the HUD 8-Step Review process for the use of National Disaster Resilience (NDR) Grant funds. The Notice addresses activities under the Wolf River Wetland and Restoration Greenway Project which includes Orchi Street Infrastructure and Construction; Rodney Baber Park Infrastructure and Construction; Kennedy Park Infrastructure and Construction; and Earthwork, Utility Installation, Demolition, and Property Acquisition associated with the Project.

Activities under the Wolf River Wetland and Restoration Greenway Project are part of the long-term resilience projects and activities identified under the NDR Competition and a subsequent NDR Grant awarded to Shelby County by the Department of Housing and Urban Development. The Notice is being forwarded to you to inform you of the project, project activities, the review period associated with this project, and to directly solicit any comments that FEMA may have on the activity itself.

This project is being carried out by Shelby County Government and will improve overall resiliency to Rodney Barber Park, Kennedy Park and Orchi Street in Memphis, Tennessee. Should you have any comments or questions, please contact Mr. Drake Danley, with Kimley-Horn and Associates, Inc., at 901-374-9109 or Drake.Danley@kimley-horn.com. Written comments can also be submitted to: Kimley-Horn and Associates, Inc., Attention: Drake Danley, 6750 Poplar Avenue, Suite 600, Memphis, TN 38138. I can also be reached at 901-636-7170 or jim.vazquez@memphistn.gov

Respectfully,


Jim Vazquez, Administrator
Office of Resilience

Attachment

**FINAL NOTICE AND PUBLIC EXPLANATION OF A PROPOSED
ACTIVITY IN A WETLAND AND FLOODPLAIN WITHIN THE WOLF RIVER BASIN
IN SHELBY COUNTY, TENNESSEE**

To: All interested Federal, State and Local Agencies and Groups or Individuals

This is to give notice that Shelby County Government under Part 58 has conducted an evaluation as required by Executive Order 11988, to determine the potential affect that its activity in wetlands and the floodplain will have on the human environment for the Wolf River Wetland Restoration and Greenway project under the HUD National Disaster Resiliency Grant, Contract Number B-13-US-470002.

Shelby County Government is proposing a series of open space and infrastructure project elements that will help make the greater Memphis area more resilient in future disaster and flooding events. The Wolf River Wetland Restoration and Greenway activity encompasses improvements at three distinct locations – Rodney Baber Park, John F. Kennedy Park, and Orchi Road between Highland Street and Jackson Avenue.

For this notice, all three project activities are located within the Wolf River Floodplain. Additionally, there will be minor impacts on isolated wetlands. The Rodney Baber Park improvements will affect approximately 58.2 acres of floodplain and 0.79 acres of wetlands. The John F. Kennedy Park improvements will affect approximately 32.2 acres of floodplain and 0 (zero) acres of wetlands. The Orchi Road improvements will affect approximately 2.5 acres of floodplain and 0.20 acres of wetlands. The following describes the project locations and their proposed improvements:

The natural and beneficial functions of the floodplain and the wetlands will be marginally impacted by the proposed construction in the parks and along Orchi Road. In the parks, new wetlands and ponds will be created and the recreational features (sports fields, pavilions, etc.) designed to elevate them above the floodplain while preserving or replacing the existing adjacent floodplain area.

Rodney Baber Park

Rodney Baber Park is located directly south of James Road, half a mile west of Hollywood and is bounded by McLean on the West and Interstate 40 on the South. The proposed concept plan for Rodney Baber Park will consist of up to four (4) soccer fields, one (1) baseball diamond, one (1) fishing lake, a large farmer's market/festival pavilion and festival grounds, multi-use trails, one (1) proposed wetland with boardwalk, preservation of existing wetlands, a playground and shade structure, and the associated parking for the aforementioned facilities. It is anticipated that this activity will be completed over two phases of construction. The site will be terraced and tie into the existing grades along the identified T.V.A. easement. Approximately 19 acres will be raised above the floodplain and approximately 275,000 cubic yards of net fill will be required. Site grading up to the 100-year flood elevation will be balanced. The site will be graded down to match the existing elevation at the 250-foot wide T.V.A. easement along the southern portion of the property. Due to the increased elevations at Rodney Baber Park, a 1:1 stormwater mitigation will be required to compensate for the additional fill on-site in the existing floodplain. The majority of the fill material required to meet the mitigation requirements will be taken from the proposed wetland and fishing lake in Rodney Baber Park and also from John F. Kennedy Park which will compensate for the 1:1 mitigation requirement.

John F. Kennedy Park

John F. Kennedy Park (Kennedy Park) is located south of Raleigh-Lagrange Road and northeast of Interstate 40 on a parcel owned by the City of Memphis. The property is roughly 260 acres, but the activity site will only disturb approximately 32.2 acres. The concept for Kennedy Park includes replacing

five existing baseball/softball diamonds with approximately four soccer fields, a paved trail, which incorporates approximately 54,000 square feet of the proposed bicycle/pedestrian trails throughout the park connecting to the Wolf River Greenway, linking the park to the Midsouth Greenprint in two places. Some of the soccer fields will be re-graded to serve as detention during intense storm events. The site grading will result in a net excavation of approximately 155,000 cubic yards from the floodplain. The excavated material will be transported and used as fill in Rodney Baber Park. Two (2) new wetlands will be created south of the proposed soccer fields. The proposed improvements to Kennedy Park are anticipated to be completed in two phases of construction.

Orchi Road

Orchi Road is located east of Highland Street, north of Chelsea Avenue, and west of Jackson Avenue. During the 2011 storm event, stormwater collected on the north side of the Orchi Road and eventually overtopped the road and flooded 19 homes. The proposed activity entails construction of a flood control berm on the north side of Orchi Road, between Highland Street and Hanson Road. A land parcel owned by Shelby County north of Orchi Road will be utilized to create a wetland pond. This area will also serve as a detention facility to store the stormwater that was overtopping the roadway to prevent impacting additional properties. The excavated material will also provide fill material for the berm and fill at Rodney Baber Park.

Orchi Road will be reconstructed as a complete street with bicycle facilities along the north side of the road providing a direct connection from the surrounding low and moderate income (LMI) neighborhoods to the Wolf River Greenway. Sidewalks and street trees will be incorporated on each side of Orchi Road for pedestrian access.

Shelby County Government has considered the following alternatives and mitigation measures to be taken to minimize adverse impacts and to restore and preserve natural and beneficial values:

The construction documents for the Wolf River Wetland Restoration and Greenway project will be reviewed and coordinated with the City of Memphis, the Local Floodplain Administrator, to certify that these Phases will have no have no significant net effect on the designated wetland and floodplain.

Shelby County Government has reevaluated the alternatives to building in the wetland and floodplain and has determined that it has no practicable alternative. Environmental files that document compliance with steps 3 through 6 of Executive Order 11988, are available for public inspection, review and copying upon request at the times and location delineated in the last paragraph of this notice for receipt of comments. This activity will have no significant impact on the environment for the following reasons:

1. Earthwork operations in Rodney Baber Park are balanced up to the 100-year flood elevation (for every cubic yard of fill material added, there is a separate cubic yard of excavation elsewhere on the site.) The public-use site features at the park are being further raised above the floodplain, resulting in a net fill for the site.
2. Earthwork operations in Kennedy Park will result in a net excavation from the floodplain, providing additional storage on the site.
3. A detail wetland and waters delineation survey and report has been completed by Brophy-Heineke and Associates, Inc. to identify existing wetlands and water courses that would be impacted and affected by these improvements. The proposed site grading and location of features were altered to avoid impacts to existing wetlands and to minimize the impact to significant trees.

4. An Endangered Bat Habitat Survey is underway and will identify any potential tree snag habitat within the project sites. The site grading and site features will be adjusted to avoid removal of tree snags where possible. If avoidance is not possible, then then the site grading and features will be modified to limit the impact as much as possible.

There are three primary purposes for this notice. First, people who may be affected by activities in wetlands and floodplains and those who have an interest in the protection of the natural environment should be given an opportunity to express their concerns and provide information about these areas. Second, an adequate public notice program can be an important public educational tool. The dissemination of information about wetlands and floodplains can facilitate and enhance Federal efforts to reduce the risks associated with the occupancy and modification of these special areas. Third, as a matter of fairness, when the Federal government determines it will participate in actions taking place in wetlands and floodplains, it must inform those who may be put at greater or continued risk.

Additional information on the proposal may be obtained by contacting Drake Danley at (901) 374-9109.

Written comments must be received by Shelby County at the following address on or before **April 26, 2018**:

Kimley-Horn and Associates, Inc.
Attention: Drake Danley
6750 Poplar Avenue, Suite 600
Memphis, TN 38138

during the hours of 9:00 AM to 4:00 PM.

Comments may also be submitted via email at: Drake.Danley@kimley-horn.com

Date: April 1, 2018

Attest:

Mark H. Luttrell, Jr. Mayor
Shelby County, Tennessee



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Friday, April 6, 2018

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FINAL NOTICE AND PUBLIC EXPLANATION OF A PROPOSED ACTIVITY IN A WETLAND AND FLOODPLAIN WITHIN THE WOLF RIVER BASIN

IN SHELBY COUNTY, TENNESSEE

To: All interested Federal, State and Local Agencies and Groups or Individuals This is ... more

Apr. 6, 2018

[Print](#)

Miscellaneous Notice

FINAL NOTICE AND PUBLIC EXPLANATION OF A PROPOSED ACTIVITY IN A WETLAND AND FLOODPLAIN WITHIN THE WOLF RIVER BASIN

IN SHELBY COUNTY, TENNESSEE

To: All interested Federal, State and Local Agencies and Groups or Individuals

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For this notice, all three project activities are located within the Wolf River Floodplain. Additionally, there will be minor impacts on isolated wetlands. The Rodney Baber Park improvements will affect approximately 58.2 acres of floodplain and 0.79 acres of wetlands. The John F. Kennedy Park improvements will affect approximately 32.2 acres of floodplain and 0 (zero) acres of wetlands. The Orchi Road improvements will affect approximately 2.5 acres of floodplain and 0.20 acres of wetlands. The following describes the project locations and their proposed improvements:

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Rodney Baber Park

Rodney Baber Park is located directly south of James Road, half a mile west of Hollywood and is bounded by McLean on the West and Interstate 40 on the South. The proposed concept plan for Rodney Baber Park will consist of up to four (4) soccer fields, one (1) baseball diamond, one (1) fishing lake, a large farmer's market/festival pavilion and festival grounds, multi-use trails, one (1) proposed wetland with boardwalk, preservation of existing wetlands, a playground and shade structure, and the associated parking for the aforementioned facilities. It is anticipated that this activity will be completed over two phases of construction. The site will be terraced and tie into the existing grades along the identified easement. Approximately 19 acres will be raised above the floodplain and approximately 275,000 cubic yards of net fill will be required. Site grading up to the 100-year flood elevation will be balanced. The site will be graded down to match the existing elevation at the 250-foot wide T.V.A. easement along the southern portion of the property. Due to the increased elevations at Rodney Baber Park, a 1:1 stormwater mitigation will be required to compensate for the additional fill on-site in the existing floodplain. The majority of the fill material required to meet the mitigation requirements will be taken from the proposed wetland and fishing lake in Rodney Baber Park and also from John F. Kennedy Park which will compensate for the 1:1 mitigation requirement.

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The construction documents for the Wolf River Wetland Restoration and Greenway project will be reviewed and coordinated with the City of Memphis, the Local Floodplain Administrator, to certify that these Phases will have no have no significant net effect on the designated wetland and floodplain.

Shelby County Government has reevaluated the alternatives to building in the wetland and floodplain and has determined that it has no practicable alternative. Environmental files that document compliance with steps 3 through 6 of Executive Order 11988, are available for public inspection, review and copying upon request at the times and location delineated in the last paragraph of this notice for receipt of comments.

This activity will have no significant impact on the environment for the following reasons:

Earthwork operations in Rodney Baber Park are balanced up to the 100-year flood elevation (for every cubic yard of fill material added, there is a separate cubic yard of excavation elsewhere on the site.) The public-use site features at the park are being further raised above the floodplain, resulting in a net fill for the site.

Earthwork operations in Kennedy Park will result in a net excavation from the floodplain, providing additional storage on the site.

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An Endangered Bat Habitat Survey is underway and will identify any potential tree snag habitat within the project sites. The site grading and site features will be adjusted to avoid removal of tree snags where possible. If avoidance is not possible, then then the site grading and features will be modified to limit the impact as much as possible.

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Additional information on the proposal may be obtained by contacting Drake Danley at (901) 374-9109.

Written comments must be received by Shelby County at the following address on or before April 26, 2018:

Kimley-Horn and Associates, Inc.

Attention: Drake Danley 6750 Poplar Avenue, Suite 600

Memphis, TN 38138

during the hours of 9:00 AM to 4:00 PM.

Comments may also be submitted via email at: Drake.Danley@kimley-horn.com

Date: April 5, 2018

Attest:

Mark H. Luttrell, Jr. Mayor Shelby County, Tennessee

Apr. 6, 2018 Mnd61746

FINAL NOTICE AND PUBLIC EXPLANATION OF A PROPOSED ACTIVITY IN A WETLAND AND FLOODPLAIN WITHIN THE WOLF RIVER BASIN IN SHELBY COUNTY, TENNESSEE

To: All interested Federal, State and Local Agencies and Groups or Individuals

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RODNEY BABER PARK

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JOHN F. KENNEDY PARK

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ORCHI ROAD

Orchi Road is located east of Highland Street, north of Chelsea Avenue, and west of Jackson Avenue. During the 2011 storm event, stormwater collected on the north side of the Orchi Road and eventually overtopped the road and flooded 19 homes. The proposed activity entails construction of a flood control berm on the north side of Orchi Road, between

two phases of construction.

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The construction documents for the Wolf River Wetland Restoration and Greenway project will be reviewed and coordinated with the City of Memphis, the Local Floodplain Administrator, to certify that these Phases will have no have no significant net effect on the designated wetland and floodplain.

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1. Earthwork operations in Rodney Baber Park are balanced up to the 100-year flood elevation (for every cubic yard of fill material added, there is a separate cubic yard of excavation elsewhere on the site.) The public-use site features at the park are being further raised above the floodplain, resulting in a net fill for the site.
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3. A detail wetland and waters delineation survey and report has been completed by Brophy-Heineke and Associates, Inc. to identify existing wetlands and water courses that would be impacted and affected by these improvements. The proposed site grading and location of features were altered to avoid impacts to existing wetlands and to minimize the impact to significant trees.
4. An Endangered Bat Habitat Survey is underway and will identify any potential tree snag habitat within the project sites. The site grading and site features will be adjusted to avoid removal of tree snags where possible. If avoidance is not possible, then then the site grading and features will be modified to limit the impact as much as possible.

There are three primary purposes for this notice. First, people who may be affected by activities in wetlands and floodplains and those who have an interest in the protection of the natural environment should be given an opportunity to express their concerns and provide information about these areas. Second, an adequate public notice program can be an important public educational tool. The dissemination of information about wetlands and floodplains can facilitate and enhance Federal efforts to reduce the risks associated with the occupancy and modification of these special areas. Third, as a matter of fairness, when the Federal government determines it will participate in actions taking place in wetlands and floodplains, it must inform those who may be put at greater or continued risk.

Additional information on the proposal may be obtained by contacting Drake Danley at (901) 374-9109.

Comments may also be submitted via email at: Drake.Danley@kimley-horn.com

Written comments must be received by Shelby County at the following address on or before April 26, 2018:

Date: April 5, 2018

Kimley-Horn and Associates, Inc.
Attention: Drake Danley
6750 Poplar Avenue, Suite 600
Memphis, TN 38138
during the hours of 9:00 AM to 4:00 PM.

Attest:
Mark H. Luttrell, Jr. Mayor
Shelby County, Tennessee

**AVISO FINAL Y EXPLICACIÓN PÚBLICA DE UNA ACTIVIDAD PROPUESTA
EN UN HUMEDAL Y LLANURA DE INUNDACIÓN EN LA CUENCA DEL RÍO WOLF
EN EL CONDADO DE SHELBY, TENNESSEE**

Para: Todas las agencias federales, estatales y locales y los grupos o individuos interesados

Esto es para notificar que el Gobierno del Condado de Shelby, bajo la Parte 58, ha llevado a cabo una evaluación como lo requiere la Orden Ejecutiva 11988 para determinar el efecto potencial que su actividad en los humedales y la llanura de inundación tendrá en el entorno humano para el proyecto de "Wolf River Wetland Restoration and Greenway" bajo la subvención nacional de resiliencia ante desastres del Departamento de Vivienda y Desarrollo Urbano de EE.UU. (HUD, por sus siglas en inglés), número de contrato B-13-US-470002.

El Gobierno del Condado de Shelby está proponiendo una serie de elementos de proyecto de infraestructura y espacio abierto que ayudarán a que el área metropolitana de Memphis sea más resistente en futuras situaciones de desastres e inundaciones. La actividad del "Wolf River Wetland Restoration and Greenway" abarca mejoras en tres lugares distintos: Rodney Baber Park, John F. Kennedy Park y Orchi Road, entre Highland Street y Jackson Avenue.

Para esta notificación, las tres actividades del proyecto están ubicadas dentro del Wolf River Floodplain (la llanura aluvial del río Wolf). Además, habrá impactos menores en humedales aislados. Las mejoras en el Rodney Baber Park afectarán aproximadamente 58.2 acres de llanuras de inundación y 0.79 acres de humedales. Las mejoras en el John F. Kennedy Park afectarán aproximadamente 32.2 acres de llanuras de inundación y 0 (cero) acres de humedales. Las mejoras en Orchi Road afectarán aproximadamente 2.5 acres de llanuras de inundación y 0.20 acres de humedales. A continuación, se describen las ubicaciones del proyecto y sus mejoras propuestas:

Las funciones naturales y beneficiosas de la llanura de inundación y los humedales se verán marginalmente afectadas por la construcción propuesta en los parques y en la Calle Orchi (Orchi Road). En los parques, se crearán nuevos humedales y estanques (ponds) y se diseñarán características recreativas (campos deportivos, pabellones, etc.) para ser elevadas por encima de la llanura aluvial mientras se preserva o reemplaza el área adyacente existente de la llanura aluvial.

Rodney Baber Park

El Rodney Baber Park está ubicado directamente al sur de James Road, a media milla al oeste de Hollywood y limita con McLean en el oeste y la carretera interestatal 40 en el sur. El plan conceptual propuesto para el Rodney Baber Park constará de hasta cuatro (4) campos de fútbol (soccer), un (1) diamante de béisbol, un (1) lago de pesca, un gran terreno con pabellón para mercado/festivales y ferias, senderos de usos múltiples, un (1) humedal propuesto con paseo marítimo, la preservación de humedales existentes, un patio de recreo infantil (playground) y una estructura de sombra, y estacionamiento para las instalaciones mencionadas anteriormente. Se anticipa que esta actividad sea completada en dos fases de construcción. El sitio será terraplenado y vinculado con los grados existentes y el derecho de acceso a la propiedad identificado de T.V.A. Aproximadamente 19 acres se elevarán por encima de la llanura de inundación y se requerirán aproximadamente 275,000 yardas cúbicas de relleno neto. La clasificación del sitio hasta la elevación de inundación de 100 años será equilibrada. El sitio será clasificado para coincidir con la elevación existente en el derecho de acceso de T.V.A. de 250 pies de ancho a lo largo de la porción sur de la propiedad. Debido al aumento de las elevaciones en el Rodney Baber Park, se requerirá una mitigación de aguas pluviales 1:1 para compensar el relleno adicional en el sitio en la llanura de inundación existente. La mayoría del material de relleno requerido para cumplir con los requisitos de mitigación se tomará del humedal y del lago de pesca propuestos en el Rodney Baber Park y también del John F. Kennedy Park, lo que compensará el requisito de mitigación 1:1.

John F. Kennedy Park

El John F. Kennedy Park (Kennedy Park) está ubicado al sur de Raleigh-Lagrange Road y al noreste de la Interestatal 40 en un terreno que es propiedad de la Ciudad de Memphis. La propiedad tiene aproximadamente 260 acres, pero el sitio de la actividad sólo alterará aproximadamente 32.2 acres. El concepto para el Kennedy Park incluye reemplazar cinco diamantes existentes de béisbol/softbol con aproximadamente cuatro campos de fútbol (soccer), un sendero pavimentado que, además de incorporar aproximadamente 54,000 pies cuadrados de senderos para bicicletas/peatones propuestos en todo el parque para hacer conexiones con el Wolf River Greenway, conecta también al parque con el Greenprint de Midsouth en dos lugares. Algunos de los campos de fútbol serán recalificados para servir como detención durante los eventos de tormentas intensas. La clasificación del sitio resultará en una excavación neta de aproximadamente 155,000 yardas cúbicas desde la llanura de inundación. El material excavado será transportado y utilizado como relleno en el Rodney Baber Park. Se crearán dos (2) nuevos humedales al sur de los campos de fútbol propuestos. Se anticipa que las mejoras propuestas al Parque Kennedy sean completadas en dos fases de construcción.

Orchi Road

Orchi Road se encuentra al este de Highland Street, al norte de Chelsea Avenue y al oeste de Jackson Avenue. Durante la gran tormenta del 2011, las aguas pluviales se acumularon en el lado norte de la Orchi Road y eventualmente sobrepasaron la carretera e inundaron 19 casas. La actividad propuesta implica la construcción de una bermá de control de inundaciones en el lado norte de Orchi Road, entre Highland Street y Hanson Road. Una parcela de tierra, propiedad del condado de Shelby, al norte de Orchi Road se utilizará para crear un estanque de humedal. Esta área también servirá como una instalación de detención para almacenar el agua de lluvia que sobrepasa la carretera para evitar así que propiedades adicionales se vean afectadas. El material excavado también proporcionará material de relleno para la bermá y el relleno en el Rodney Baber Park.

Orchi Road se reconstruirá como una calle completa con instalaciones para bicicletas a lo largo del lado norte de la carretera, proporcionando así una conexión directa desde los vecindarios de bajos a moderados ingresos (LMI) a los vecindarios de Wolf River Greenway. Las aceras y los árboles de la calle se incorporarán a cada lado de Orchi Road para el acceso peatonal.

El Gobierno del Condado de Shelby ha considerado las siguientes alternativas y medidas de mitigación para minimizar los impactos adversos y restaurar y preservar tanto los valores naturales como los beneficiosos:

Los documentos de construcción para el Proyecto Greenway y de Restauración del Humedal en Wolf River (Wolf River Wetland Restoration and Greenway Project) y están siendo revisados y coordinados con la Ciudad de Memphis y el Administrador

materia excavado sera transportado y utilizado como relleno en el Rodney Baber Park. Se crearan dos (2) nuevos humedales al sur de los campos de futbol propuestos. Se anticipa que las mejoras propuestas al Parque Kennedy sean completadas en dos fases de construcción.

Orchi Road

Orchi Road se encuentra al este de Highland Street, al norte de Chelsea Avenue y al oeste de Jackson Avenue. Durante la gran tormenta del 2011, las aguas pluviales se acumularon en el lado norte de la Orchi Road y eventualmente sobrepasaron la carretera e inundaron 19 casas. La actividad propuesta implica la construcción de una berma de control de inundaciones en el lado norte de Orchi Road, entre Highland Street y Hanson Road. Una parcela de tierra, propiedad del condado de Shelby, al norte de Orchi Road se utilizará para crear un estanque de humedal. Esta área también servirá como una instalación de detención para almacenar el agua de lluvia que sobrepasa la carretera para evitar así que propiedades adicionales se vean afectadas. El material excavado también proporcionará material de relleno para la berma y el relleno en el Rodney Baber Park.

Orchi Road se reconstruirá como una calle completa con instalaciones para bicicletas a lo largo del lado norte de la carretera, proporcionando así una conexión directa desde los vecindarios de bajos a moderados ingresos (LMI) a los vecindarios de Wolf River Greenway. Las aceras y los árboles de la calle se incorporarán a cada lado de Orchi Road para el acceso peatonal.

El Gobierno del Condado de Shelby ha considerado las siguientes alternativas y medidas de mitigación para minimizar los impactos adversos y restaurar y preservar tanto los valores naturales como los beneficiosos:

Los documentos de construcción para el Proyecto Greenway y de Restauración del Humedal en Wolf River (Wolf River Wetland Restoration and Greenway Project) y están siendo revisados y coordinados con la Ciudad de Memphis y el Administrador de la Planta de Inundación Local para certificar que estas Fases no tendrán ningún efecto significativo en el humedal y la llanura inundable ya designados.

El Gobierno del Condado de Shelby ha reevaluado las alternativas para la construcción en el humedal y la llanura de inundación y ha determinado que no tiene una alternativa viable. Los expedientes ambientales que documentan el cumplimiento de los pasos 3 al 6 de la Orden Ejecutiva 11988 están disponibles para la inspección, revisión y copias a petición del público y en los momentos y lugar delineados en el último párrafo de este aviso para recibir los comentarios. Esta actividad no tendrá un impacto significativo en el medio ambiente por las siguientes razones:

1. Las operaciones de movimiento de tierra en Rodney Baber Park se equilibran hasta la elevación de inundación de 100 años (por cada yarda cúbica de material de relleno agregado, hay una yarda cúbica aparte de excavación en otro lugar del sitio). Los lugares de uso público en el parque se están elevando más allá de la llanura de inundación, lo que resulta en un relleno neto para el sitio.
2. Las operaciones de movimiento de tierra en Kennedy Park darán como resultado una excavación neta desde la llanura de inundación, proporcionando almacenamiento adicional en el sitio.
3. Brophy-Heineke and Associates, Inc. completó una encuesta e informe detallados sobre la delineación de humedales y aguas para identificar los humedales existentes y los cursos de agua que podrían verse impactados y afectados por estas mejoras. La clasificación del sitio propuesto y la ubicación de las características se modificaron para evitar impactos en los humedales existentes y para minimizar el impacto en los árboles importantes.
4. Una Encuesta sobre el Hábitat de Murciélagos en Peligro de Extinción está en curso e identificará cualquier hábitat potencial en árboles muertos dentro de los sitios del proyecto. La clasificación del sitio y las características del sitio se ajustarán para evitar la eliminación de árboles muertos cuando sea posible. Si no es posible evitarlo, entonces la clasificación del sitio y las características se modificarán para limitar el impacto tanto como sea posible.

Hay tres propósitos principales para esta notificación. En primer lugar, las personas que puedan verse afectadas por actividades en el humedal y la llanura de inundación y aquellas que tengan interés en la protección del medio ambiente natural deben tener la oportunidad de expresar sus preocupaciones y proporcionar información sobre estas áreas. Segundo, un programa adecuado de aviso público puede ser una herramienta educativa pública importante. La difusión de información sobre los humedales y la llanura de inundación puede facilitar y mejorar los esfuerzos federales para reducir los riesgos asociados con la ocupación y modificación de estas áreas especiales. Tercero, como cuestión de equidad, cuando el gobierno federal determine que participará en las acciones que se llevan a cabo en los humedales y las llanuras de inundación, debe informar a aquellos que puedan ser puestos en un riesgo mayor o continuo.

Se puede obtener información adicional sobre la propuesta comunicándose con Drake Danley al (901) 374-9109.

Los comentarios por escrito deben ser recibidos por el Condado de Shelby en la siguiente dirección antes del **26 de abril del 2018**:

Kimley-Horn and Associates, Inc.
Atención: Drake Danley
6750 Poplar Avenue, Suite 600
Memphis, TN 38138

Durante el horario de 9:00 AM a 4:00 PM.

Los comentarios también pueden ser enviados por correo electrónico a: Drake.Danley@kimley-horn.com

Fecha: 1 de abril del 2018

Da fe:

Mark H. Luttrell, Jr. Alcalde
Condado de Shelby, Tennessee

A-12 Concurrent Notice of FONSI and RROF

**Combined Public Notice
Notice of Finding of No Significant Impact on the Environment; and
Notice of Intent to Request a Release of Funds**

**NOTICE OF FINDING OF NO SIGNIFICANT IMPACT AND
NOTICE OF INTENT TO REQUEST RELEASE OF FUNDS**

July XX, 2019

Tom Fletcher, Environmental Officer
Shelby County Government Department of Housing
1075 Mullins Station Road
Memphis, TN 38134
901-222-7608

These notices shall satisfy two separate but related procedural requirements for activities to be undertaken by the Shelby County Government.

REQUEST FOR RELEASE OF FUNDS

On or about **July XX, 2019** Shelby County Government will submit a request to the U.S Department of Housing and Urban Development (HUD) for the release of National Disaster Resilience funds under Title 1 of the Housing and Community Development Act of 1984 P.L. 93-383 to undertake a project known as the Wolf River Wetland & Restoration Greenway: Construction within the Wolf River Basin within Rodney Baber Park, Kennedy Park, along Orchi Road and associated acquisition and construction costs to complete the project as described below.

Nature/Scope of Project:

Shelby County Government is proposing a series of open space and infrastructure project elements that will help make the greater Memphis area more resilient in future disaster and flooding events. The Wolf River Wetland Restoration and Greenway activity encompasses improvements at three distinct locations: Rodney Baber Park, John F. Kennedy Park, and Orchi Road between Highland Street and Jackson Avenue.

Project Location Descriptions: (Provide locations of each area where work will be taking place).

Rodney Baber Park:

Rodney Baber Park is located directly south of James Road, half a mile west of Hollywood and is bounded by McLean on the West and Interstate 40 on the South. The proposed concept plan for Rodney Baber Park will consist of up to four (4) soccer fields, one (1) baseball diamond, one (1) fishing lake, a large farmer's market/festival pavilion and festival grounds, multi-use trails, one (1) proposed wetland with boardwalk, preservation of existing wetlands, a playground and shade structure, and the associated parking for the aforementioned facilities. It is anticipated that this activity will be completed over two phases of construction. The site will be terraced and tie into the existing grades along the identified T.V.A. easement. Approximately 19 acres will be raised above the floodplain and approximately 275,000 cubic yards of net fill will be required. Site grading up to the 100-year flood elevation will be balanced. The site will be graded down to match the existing elevation at the 250-foot wide T.V.A. easement along the southern portion of the property. Due to the increased elevations at Rodney Baber Park, a 1:1 stormwater mitigation will be required to compensate for the additional fill on-site in the existing floodplain. The majority of the fill material required to meet the mitigation requirements will

be taken from the proposed wetland and fishing lake in Rodney Baber Park and also from John F. Kennedy Park.

Kennedy Park:

John F. Kennedy Park (Kennedy Park) is located south of Raleigh-Lagrange Road and northeast of Interstate 40 on a parcel owned by the City of Memphis. The property is roughly 260 acres, but the activity site will only disturb approximately 32.2 acres. The concept for Kennedy Park includes replacing five existing baseball/softball diamonds with approximately four soccer fields, a paved trail, which incorporates approximately 54,000 square feet of the proposed bicycle/pedestrian trails throughout the park connecting to the Wolf River Greenway, linking the park to the Midsouth Greenprint in two places. Some of the soccer fields will be re-graded to serve as detention during intense storm events. The site grading will result in a net excavation of approximately 155,000 cubic yards from the floodplain. The excavated material will be transported and used as fill in Rodney Baber Park. Two (2) new wetlands will be created south of the proposed soccer fields. The proposed improvements to Kennedy Park are anticipated to be completed in two phases of construction.

Orchi Road:

Orchi Road is located east of Highland Street, north of Chelsea Avenue, and west of Jackson Avenue. Orchi Road will be reconstructed as a complete street with bicycle facilities along the north side of the road providing a direct connection from the surrounding low and moderate income (LMI) neighborhoods to the Wolf River Greenway. Sidewalks and street trees will be incorporated on each side of Orchi Road for pedestrian access.

Estimated Funding Sources:

Funding Source: U.S. Department of HUD National Disaster Resilience Grant Funds
Estimated Funding: \$7.3 Million

Funding Source: City of Memphis
Estimated Funding: \$1.5 Million

FINDING OF NO SIGNIFICANT IMPACT

Shelby County has determined that the project will have no significant impact on the human environment. Therefore, an Environmental Impact Statement under the National Environmental Policy Act of 1969 (NEPA) is not required. Additional project information is contained in the Environmental Review Record (ERR) on file at the Shelby County Department of Roads and Bridges, 6449 Haley Road, Memphis, TN 38134 and may be examined or copied weekdays from 8:00 A.M to 3:00 P.M.

PUBLIC COMMENTS

Any individual, group, or agency may submit written comments on the ERR to the Shelby County Department of Roads and Bridges, 6449 Haley Road, Memphis, TN 38134. Comments may not be sent by facsimile (fax). All comments received by **July XX, 2019** will be considered by Shelby County prior to authorizing submission of a request for release of funds. Comments should specify which Notice they are addressing.

ENVIRONMENTAL CERTIFICATION

The Shelby County Government certifies to the U.S. Department of Housing and Urban Development (HUD) that Lee Harris, in his capacity as Mayor of Shelby County consents to accept the jurisdiction of

the Federal Courts if an action is brought to enforce responsibilities in relation to the environmental review process and that these responsibilities have been satisfied. HUD's approval of the certification satisfies its responsibilities under NEPA and related laws and authorities and allows the Shelby County Government to use Program funds.

OBJECTIONS TO RELEASE OF FUNDS

HUD will accept objections to its release of funds and Shelby County Government's certification for a period of fifteen days following the anticipated submission date or its actual receipt of the request (whichever is later) only if they are on one of the following bases: (a) the certification was not executed by the Certifying Officer of Shelby County Government; (b) Shelby County has omitted a step or failed to make a decision or finding required by HUD regulations at 24 CFR part 58; (c) the grant recipient or other participants in the development process have committed funds, incurred costs or undertaken activities not authorized by 24 CFR Part 58 before approval of a release of funds by HUD; or (d) another Federal agency acting pursuant to 40 CFR Part 1504 has submitted a written finding that the project is unsatisfactory from the standpoint of environmental quality. Objections must be prepared and submitted in accordance with the required procedures (24 CFR Part 58, Sec. 58.76) and shall be addressed to U.S. Department of HUD, Office of Community Planning and Development, Knoxville Field Office, 710 Locust Street, SW, Room 314, Knoxville, TN 37902 . Potential objectors should contact HUD to verify the actual last day of the objection period.

Lee Harris
Shelby County, Mayor

A-20 Tribal Consultation

Tribal Consultation

Coordination letters and project information packets consisting of location maps and conceptual design sketches were sent to the following Native American Tribes:

- Alabama-Quassarte Tribal Town - *Molly Franks, THPO*
- Alabama-Quassarte Tribal Town - *Tarpie Yargee, Town King*
- Chickasaw Nation - *Bill Anoatubby, Governor*
- Chickasaw Nation - *Kirk Perry, Historic Preservation Executive Officer*
- Choctaw Nation of Oklahoma - *Gary Batton, Chief*
- Choctaw Nation of Oklahoma - *Ian Thompson, THPO*
- Coushatta Tribe of Louisiana - *Lovelin Poncho, Chairman*
- Coushatta Tribe of Louisiana - *Linda Langley, THPO*
- Muscogee (Creek) Nation - *James Floyd, Principal Chief*
- Muscogee (Creek) Nation - *RaeLynn Butler, THPO*
- Quapaw Tribe of Indians - *John Berrey, Chairperson*
- Quapaw Tribe of Indians - *Everett Bandy, THPO*

Responses were received from:

- Chickasaw Nation
Response received from Lisa John on July 20, 2017 requesting that “*all future correspondence be directed through the federal agency.*” The response also requested to be provided any information obtained regarding project impacts to historic properties and archaeological sites. Copies of all correspondence were forwarded to HUD on July 31, 2017 for further coordination.
- Choctaw Nation of Oklahoma
Response received from Daniel Ragle on July 28, 2017, stating that the Choctaw Nation of Oklahoma would like to consult on the project. A copy of the project’s Cultural Resources Assessment was provided to Mr. Ragle on July 31, 2018.
- Coushatta Tribe of Louisiana
Response received from Linda Langley on June 13, 2017. No additional consultation was requested.
- Muscogee (Creek) Nation
Response received from Corain Lowe-Zepada on July 6, 2017 stating that the Muscogee (Creek) Nation would like to consult on the project. Based on current information, they recommended a finding of “no effect” to historic properties, but requested to be contacted should any artifacts or archeological features be encountered during project activities.

Copies of all coordination letters and responses received are included in the pages that follow.



Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Alabama-Quassarte Tribal Town
Molly Franks, THPO
PO Box 187
Wetumka, OK 74883
aqhpo@mail.com

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear Molly Franks,

Shelby County Government is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, Shelby County has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

Shelby County will conduct a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

To meet project timeframes, if you would like to be a consulting party on this project, can you please let us know of your interest within 30 days? If you have any initial concerns with impacts of the project on religious or cultural properties, can you please note them in your response?

Enclosed is a map that shows the project area and, if applicable, an additional area of potential indirect effects. The project consists of work performed at three distinct locations within Shelby County:

1. *Kennedy Park* – The existing park area housing multiple baseball fields will be lowered to provide additional storm detention area. The fields will be repurposed as soccer fields along with the addition of new parking areas, a playground, and a picnic area. An existing wetland in the southeast corner of the park will also be expanded.

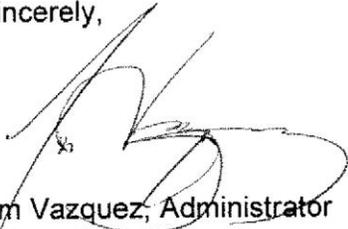
2. *Rodney Baber Park* – A significant section of Rodney Baber Park will be redesigned. The existing baseball fields will be replaced with soccer fields, a playground, revised parking locations, and a festival area to include a farmer's market pavilion. Walking trails will be added throughout the park, along with a new wetland area and a fishing lake.
3. *Orchi Road* – Between Jackson Avenue and Highland Street, Orchi Road will be improved to include sidewalks, bike lanes, landscaping, and drainage improvements on the north end.

More information on the Section 106 review process is available at <http://www.onecpd.info/environmental-review/historic-preservation/>.

HUD's process for tribal consultation under Section 106 is described in a Notice available at <https://www.onecpd.info/resource/2448/notice-cpd-12-006-tribal-consultation-under-24-cfr-part-58>.

If you do not wish to consult on this project, can you please inform us? If you do wish to consult, can you please include in your reply the name and contact information for the tribe's principal representative in the consultation? Thank you very much. We value your assistance and look forward to consulting further if there are historic properties of religious and cultural significance to your tribe that may be affected by this project.

Sincerely,



Jim Vazquez, Administrator
Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jim.vazquez@shelbycountyttn.gov



Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Alabama-Quassarte Tribal Town
Tarpie Yargee, Town King
PO Box 187
Wetumka, OK 74883
chief@alabama-quassarte.org

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear Tarpie Yargee,

Shelby County Government is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, Shelby County has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

Shelby County will conduct a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

To meet project timeframes, if you would like to be a consulting party on this project, can you please let us know of your interest within 30 days? If you have any initial concerns with impacts of the project on religious or cultural properties, can you please note them in your response?

Enclosed is a map that shows the project area and, if applicable, an additional area of potential indirect effects. The project consists of work performed at three distinct locations within Shelby County:

1. *Kennedy Park* – The existing park area housing multiple baseball fields will be lowered to provide additional storm detention area. The fields will be repurposed as soccer fields along with the addition of new parking areas, a playground, and a picnic area. An existing wetland in the southeast corner of the park will also be expanded.

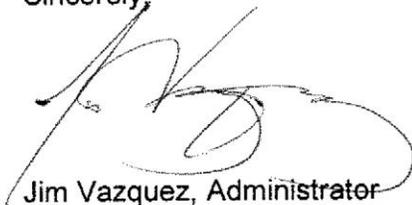
2. *Rodney Baber Park* – A significant section of Rodney Baber Park will be redesigned. The existing baseball fields will be replaced with soccer fields, a playground, revised parking locations, and a festival area to include a farmer's market pavilion. Walking trails will be added throughout the park, along with a new wetland area and a fishing lake.
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Sincerely,



Jim Vazquez, Administrator
Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jim.vazquez@shelbycountyttn.gov



Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Chickasaw Nation
Bill Anoatubby, Governor
PO Box 1548
Ada, OK 74821
tammy.gray@chickasaw.net

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear Bill Anoatubby,

Shelby County Government is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, Shelby County has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

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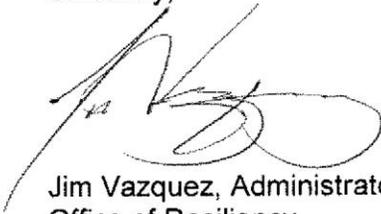
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Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jim.vazquez@shelbycountyttn.gov



Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Chickasaw Nation
Kirk Perry, Historic Preservation Executive Officer
PO Box 1548
Ada, OK 74821
hpo@chickasaw.net

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear Kirk Perry,

Shelby County Government is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, Shelby County has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

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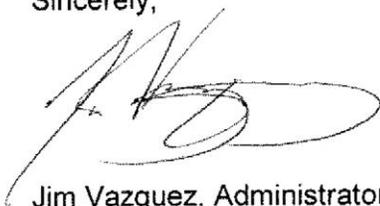
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Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jim.vazquez@shelbycountytn.gov



Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Choctaw Nation of Oklahoma
Gary Batton, Chief
PO Drawer 1210
Durant, OK 74702
gbatton@choctawnation.com

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear Gary Batton,

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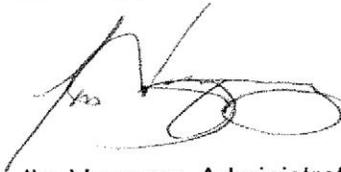
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1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jim.vazquez@shelbycountyttn.gov



Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Choctaw Nation of Oklahoma
Ian Thompson, THPO
PO Box 1210
Durant, OK 74702-1210
ithompson@choctawnation.com

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear Ian Thompson,

Shelby County Government is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, Shelby County has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

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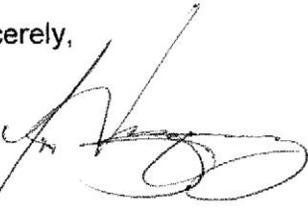
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Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Coushatta Tribe of Louisiana
Linda Langley, THPO
PO Box 10
Elton, LA 70532
llangley@coushattatribela.org

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear Linda Langley,

Shelby County Government is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, Shelby County has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

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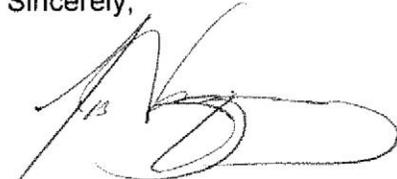
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Sincerely,



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1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jim.vazquez@shelbycountyttn.gov



Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Coushatta Tribe of Louisiana
Lovelin Poncho, Chairman
PO Box 818
Elton, LA 70532
CBertrand@coushattatribela.org

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear Lovelin Poncho,

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MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Muscogee (Creek) Nation
RaeLynn Butler, THPO
PO Box 580
Okmulgee, OK 74447
section106@mcn-nsn.gov

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear RaeLynn Butler,

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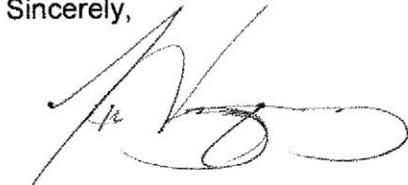
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Jim.vazquez@shelbycountyttn.gov



Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Muscogee (Creek) Nation
James Floyd, Principal Chief
PO Box 580
Okmulgee, OK 74447
jfloyd@mcn-nsn.gov

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear James Floyd,

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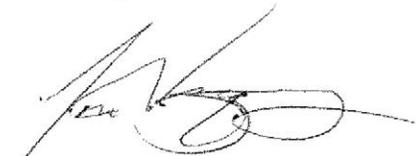
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Sincerely,



Jim Vazquez, Administrator
Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jim.vazquez@shelbycountyttn.gov



Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Muscogee (Creek) Nation
George Tiger, Principal Chief
PO Box 580
Okmulgee, OK 74447
gtiger@mcn-nsn.gov

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear George Tiger,

Shelby County Government is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, Shelby County has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

Shelby County will conduct a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

To meet project timeframes, if you would like to be a consulting party on this project, can you please let us know of your interest within 30 days? If you have any initial concerns with impacts of the project on religious or cultural properties, can you please note them in your response?

Enclosed is a map that shows the project area and, if applicable, an additional area of potential indirect effects. The project consists of work performed at three distinct locations within Shelby County:

1. *Kennedy Park* – The existing park area housing multiple baseball fields will be lowered to provide additional storm detention area. The fields will be repurposed as soccer fields along with the addition of new parking areas, a playground, and a picnic area. An existing wetland in the southeast corner of the park will also be expanded.

2. *Rodney Baber Park* – A significant section of Rodney Baber Park will be redesigned. The existing baseball fields will be replaced with soccer fields, a playground, revised parking locations, and a festival area to include a farmer's market pavilion. Walking trails will be added throughout the park, along with a new wetland area and a fishing lake.
3. *Orchi Road* – Between Jackson Avenue and Highland Street, Orchi Road will be improved to include sidewalks, bike lanes, landscaping, and drainage improvements on the north end.

More information on the Section 106 review process is available at <http://www.onecpd.info/environmental-review/historic-preservation/>.

HUD's process for tribal consultation under Section 106 is described in a Notice available at <https://www.onecpd.info/resource/2448/notice-cpd-12-006-tribal-consultation-under-24-cfr-part-58>.

If you do not wish to consult on this project, can you please inform us? If you do wish to consult, can you please include in your reply the name and contact information for the tribe's principal representative in the consultation? Thank you very much. We value your assistance and look forward to consulting further if there are historic properties of religious and cultural significance to your tribe that may be affected by this project.

Sincerely,



Jim Vazquez, Administrator
Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jim.vazquez@shelbycountyttn.gov



Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Quapaw Tribe of Indians
Everett Bandy, THPO
PO Box 765
Quapaw, OK 74363-0765
ebandy@quapawtribe.com.com

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear Everett Bandy,

Shelby County Government is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, Shelby County has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

Shelby County will conduct a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

To meet project timeframes, if you would like to be a consulting party on this project, can you please let us know of your interest within 30 days? If you have any initial concerns with impacts of the project on religious or cultural properties, can you please note them in your response?

Enclosed is a map that shows the project area and, if applicable, an additional area of potential indirect effects. The project consists of work performed at three distinct locations within Shelby County:

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3. *Orchi Road* – Between Jackson Avenue and Highland Street, Orchi Road will be improved to include sidewalks, bike lanes, landscaping, and drainage improvements on the north end.

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If you do not wish to consult on this project, can you please inform us? If you do wish to consult, can you please include in your reply the name and contact information for the tribe's principal representative in the consultation? Thank you very much. We value your assistance and look forward to consulting further if there are historic properties of religious and cultural significance to your tribe that may be affected by this project.

Sincerely,



Jim Vazquez, Administrator
Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jim.vazquez@shelbycountyttn.gov



Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

DIVISION OF PUBLIC WORKS
6463 HALEY ROAD
MEMPHIS, TENNESSEE 38134
(901) 379-4410

Quapaw Tribe of Indians
John Berrey, Chairperson
PO Box 765
Quapaw, OK 74363
jberrey@ogahpah.com

Re: Wolf River Wetland and Restoration Greenway Project
National Disaster Resilience Grant No. B-13-US-47-0002

Dear John Berrey,

Shelby County Government is considering funding the project listed above with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, Shelby County has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

Shelby County will conduct a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

To meet project timeframes, if you would like to be a consulting party on this project, can you please let us know of your interest within 30 days? If you have any initial concerns with impacts of the project on religious or cultural properties, can you please note them in your response?

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If you do not wish to consult on this project, can you please inform us? If you do wish to consult, can you please include in your reply the name and contact information for the tribe's principal representative in the consultation? Thank you very much. We value your assistance and look forward to consulting further if there are historic properties of religious and cultural significance to your tribe that may be affected by this project.

Sincerely,



Jim Vazquez, Administrator
Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jim.vazquez@shelbycountyttn.gov

July 20, 2017

Mr. Jim Vazquez
Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134

Dear Mr. Vazquez:

Thank you for the letter of notification regarding the U.S. Department of Housing and Urban Development (HUD) National Disaster Resilience Grant for the Wolf River wetland restoration greenway project located in Shelby County, Tennessee. The Chickasaw Nation appreciates the invitation to consult with Shelby County Government to identify historic properties of religious and cultural significance that could potentially be significant to our people, history and culture.

Given the Chickasaw Nation's sovereign status and the unique federal/tribal relationship which it entails, we must consult directly with HUD regarding the proposed project. Consultation Policy III B states, "HUD recognizes and commits to government-to-government relations with Federally-recognized tribes." We request any future correspondence be directed through the federal agency.

Please provide the agency any information you obtain regarding the impacts to historic properties and archaeological sites along with your determination of impacts for this undertaking. Your efforts to preserve and protect significant historic properties are appreciated. If you have any questions, please contact Ms. Karen Brunso, tribal historic preservation officer, at (580) 272-1106, or at karen.brunso@chickasaw.net.

Sincerely,

Lisa John, Secretary
Department of Culture & Humanities

cc: Sandra.L.Frye@hud.gov; Sernorma.Mitchell@hud.gov
jim.vazquez@shelbycountyttn.gov

Danley, Drake

From: Vazquez, Jim <Jim.Vazquez@shelbycountytn.gov>
Sent: Friday, July 28, 2017 1:11 PM
To: 'Daniel R. Ragle'
Cc: Danley, Drake
Subject: RE: Wolf River Wetland and Restoration Greenway Project; national Disaster Resilience Grant No. B-13-US-47-0002

Thank you for the response Daniel. I will have the appropriate individual get in touch with you.

Jim

Jim Vazquez, Administrator
Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jim.vazquez@shelbycountytn.gov

From: Daniel R. Ragle [mailto:dragle@choctawnation.com]
Sent: Friday, July 28, 2017 11:41 AM
To: Vazquez, Jim <Jim.Vazquez@shelbycountytn.gov>
Subject: RE: Wolf River Wetland and Restoration Greenway Project; national Disaster Resilience Grant No. B-13-US-47-0002

Thank you for the correspondence regarding the above referenced project and I apologize for the late response. This project lies within our area of historic interest and we wish to be a consulting party. I am the contact for our tribe with the state of Tennessee. If you have any questions, please contact me by email.

Daniel Ragle

Compliance Review Officer
Historic Preservation Dept.
Choctaw Nation of Oklahoma
(800) 522-6170 Ext. 2727
dragle@choctawnation.com
www.choctawnation.com
www.choctawnationculture.com



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Danley, Drake

From: Vazquez, Jim <Jim.Vazquez@shelbycountytn.gov>
Sent: Tuesday, June 13, 2017 12:58 PM
To: 'Linda Langley'
Cc: Danley, Drake
Subject: RE: Invitation To Be A Consulting Party

Thank you for your reply Ms. Langley. If you ever have any questions, please feel free to contact me.

Jim

Jim Vazquez, Administrator
Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jimv.vazquez@shelbycountytn.gov

From: Linda Langley [mailto:LLangley@CoushattaTribelA.org]
Sent: Tuesday, June 13, 2017 12:56 PM
To: Vazquez, Jim <Jim.Vazquez@shelbycountytn.gov>
Subject: RE: Invitation To Be A Consulting Party

Based on the information provided, the Coushatta Tribe of Louisiana does not require further consultation on this project.

Thank you,
Linda Langley, Ph.D.
Coushatta THPO

From: Vazquez, Jim [<mailto:Jim.Vazquez@shelbycountytn.gov>]
Sent: Tuesday, June 13, 2017 11:34 AM
To: Linda Langley <LLangley@CoushattaTribelA.org>
Cc: drake.danley@kimley-horn.com
Subject: Invitation To Be A Consulting Party

Ms. Langley,

Please see the attached letter and maps related to the Wolf River Wetland and Restoration Greenway Project in Shelby County, Tennessee.

Shelby County will conduct a review of the Wolf River Wetland and Restoration Greenway Project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

Once you have reviewed the attached letter and maps, I would appreciate a reply to let us know whether or not you would like to be a consulting party on this project. If you would like to be a consulting party, please provide me with the name and contact information for the tribe's principal representative in the consultation in your response.

Thank you for your time.

Jim

Jim Vazquez, Administrator
Office of Resiliency
1075 Mullins Station Road
Memphis, TN 38134
(901) 222-7602
Jimv.vazquez@shelbycountyttn.gov

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**THE
MUSCOGEE (CREEK) NATION**

Historic and Cultural Preservation
Main (918) 732-7733 | Fax: (918) 758-0649
P.O. Box 580 | Okmulgee, OK 74447

JAMES R. FLOYD
PRINCIPAL CHIEF

LOUIS A. HICKS
SECOND CHIEF

July 6, 2017

Jim Vazquez, Administrator
Office of Resiliency
1075 Mullins Station Road
Memphis, Tennessee 38134

RE: Wolf River Wetland and Restoration Greenway Project; National Disaster Resilience
Grant No. B-13-US-47-0002; Shelby County TN

Mr. Vazquez:

Thank you for corresponding to the Muscogee (Creek) Nation regarding proposed improvements to be performed at three distinct locations using Federal Funds from the United States Department of Housing and Urban Development (HUD). This project is located in Shelby County, Tennessee. Shelby County is located in the Muscogee (Creek) Nation's historical area of interest and we would like to consult on this project.

After reviewing this undertaking, we are unaware of any Muscogee cultural resources or sacred sites located in the immediate project area. We recommend a finding of 'no effect' to historic properties and work should proceed as planned. However, if artifacts or archaeological features are encountered during project activities, work shall cease and our office shall be consulted immediately. This can include but are not limited to arrowheads, broken pieces of pottery or glass, stone implements, metal fasteners or tools, human remains, etc. Archaeological features are stains in the soil that indicate disturbance by human activity. Some examples are post holes, building foundations, trash pits, and human burials. This stipulation should be placed on the construction plans to insure that contractors are aware of it. Any changes to the approved scope of work for this project will require re-submission to, and evaluation and approval by the Muscogee (Creek) Nation prior to initiation of any work for compliance with Section 106. If you have any questions or concerns, please feel free to contact us.

Thank you.

Ms. Corain Lowe-Zepeda
Tribal Historic Preservation Officer
Historic and Cultural Preservation Department
Muscogee (Creek) Nation
P.O. Box 580 | Okmulgee, OK 74447
T: 918-732-7835
Email: clowe@mcn-nsn.gov

A-26 Farmland Protection

Farmland Protection

Checklist for Responsible Entity

| General requirements | Legislation | Regulation |
|--|--|----------------|
| The Farmland Protection Policy Act discourages Federal activities that would convert farmland to nonagricultural purposes. | Farmland Protection Policy Act of 1981 (7 U.S.C. 4201 et seq.) | 7 CFR Part 658 |

1. Does your project include new construction, acquisition of undeveloped land or change in use of land or property?

- No: STOP here. The Farmland Protection Policy Act does not apply. Record your determination
- Yes: PROCEED to #2

2. Does your project meet one of the following exemptions?

- Construction limited to on-farm structures needed for farm operations.
- Construction limited to new minor secondary (accessory) structures such as a garage or storage shed
- Project on land used for water storage or already in or committed urban development (this includes land with a density of 30 structures per 40 acre area. It also includes lands identified as “urbanized area” (UA) on the Census Bureau Map, or as urban area mapped with a “tint overprint” on the USGS topographical maps, or as “urban built-up” on the USDA Important Farmland Maps. Please note that land “zoned” for development, i.e. non-agricultural use, does not exempt a project from compliance with the FPPA).

- No: PROCEED to #3
- Yes: STOP here. The Farmland Protection Policy Act does not apply. Record your determination

3. Does “important farmland” regulated under the Farmland Protection Policy Act occur on the project site? This includes prime farmland, unique farmland and/or land of statewide or local importance (You may use the links below to determine if important farmland occurs on the project site):

- Utilize USDA Natural Resources Conservation Service’s (NRCS) Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>
- Check with your city or county’s planning department and ask them to document if the project is on land regulated by the FPPA (zoning important farmland as non-agricultural does not exempt it from FPPA requirements)
- Contact NRCS at the local USDA service center <http://offices.sc.egov.usda.gov/locator/app?agency=nrcs> or your NRCS state soil scientist http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1254316.pdf for assistance

- No: STOP here. The project does not convert farmland to nonagricultural purposes. Record your determination on the Statutory Worksheet and attach documentation used to make your determination
- Yes: PROCEED to #4

4. Consider alternatives to completing the project on important farmland and means of avoiding impacts to important farmland.

Complete form AD-1006, "Farmland Conversion Impact Rating" http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1045394.pdf and contact the state soil scientist before sending it to the local NRCS District Conservationist. Work with NRCS to minimize the impact of the project on the protected farmland.

Return a copy of Form 1006 to the USDA-NRCS State Soil Scientist or his/her designees informing them of your determination once you have finished the analysis.

DISCLAIMER: This document is intended as a tool to help TN CDBG grantees complete environmental requirements. This document is subject to change. This is not a policy statement, and the Farmland Protection Legislation and Regulations take precedence over any information found in this document.


Preparer signature and Title

PROJECT ENGINEER

APRIL 25, 2018
Date

A-27 Explosive and Flammable Operations

Explosive and Flammable Operations

Checklist for Responsible Entity

| General requirements | Legislation | Regulation |
|--|---|---------------------|
| Establish safety standards that can be used a basis for calculating acceptable separation distances for assisted projects. | Sec. 2 Housing and Urban Development Act of 1969 (42 U.S.C. 1441 (a)) | 24 CFR 51 Subpart C |

1. Does the proposed project involve any of the following residential activities: development, construction (reconstruction), rehabilitation, modernization or conversion?

For modernization and rehabilitation, does the work increase residential densities, convert a building for habitation or make a vacant building habitable?

Does the proposed project involve new construction, construction of line extensions or increase the number of people exposed to potential hazards?

- No: STOP here. The project is not subject to 254 CFR Part 51 C. Record the determination in your ERR "Project will not increase the number of people exposed to potential hazards." Place the A-27 in the Environmental Review Record.
- Yes: PROCEED to #2

2. Are there aboveground storage tanks within 1 mile of the project site more than 100 gallons in size? Are there plans to install such aboveground storage tanks within 1 mile of the project site?

***A site visit is required to assess the area for hazards and must be documented.**

The site visit should be completed by the County Emergency Services management or local Fire Chief. The site visit is required to ensure that there are no storage tanks within one mile of the project site. A letter/memo from the individual completing the site visit should be placed as documentation in your ERR, along with a radius map and A-27.

TIP: You do not have to consider all tanks at all sizes within 1 mile of your project. Screen further by determining the Acceptable Separation Distance (ASD) for specific tank sizes and using that information to narrow your search. For instance, the maximum ASD for a 100 gallon tank is 115 feet. You do not need to map 100 gallon tanks farther than 115 feet from your project site.

<https://www.hudexchange.info/environmental-review/explosive-and-flammable-facilities/>
<http://www.hud.gov/offices/cpd/environment/asduserguide.pdf>

(HUD's stated position is that 24 CFR Part 51 C does not apply to storage tanks ancillary to the operation of the assisted 1-4 family residence, for example the home heating or power source. It does apply to all other tanks, including tanks for neighboring 1-4 family residences.)

- No: STOP here. The project is not subject to 24 CFR Part 51 C. Documentation to be placed in the ERR is the A-27 and a copy of the site visit notes signed by the County EMS management or local Fire Chief and a radius map.
- Yes: PROCEED to #3

3. Is the Separation Distance from the project acceptable based on standards in 24 CFR 51 C?

Use the online tool to calculate ASD:

<https://www.hudexchange.info/environmental-review/asd-calculator/>

- Yes: STOP here. Include signed site visit report, map(s), ASD calculations and A-27 in your ERR.
- No: PROCEED to #4

4. With mitigation, can the Separation Distance become acceptable?

- No: PROJECT IS NOT ACCEPTABLE-DO NOT FUND
- Yes: STOP here. Maintain documentation supporting your determination in your ERR. Documentation could include a finding by a qualified data source (i.e. Fire Marshal, etc.), copies of pictures, maps, technical calculations and information describing the mitigation measures taken.

MITIGATION OPTIONS

If the Acceptable Separation Distance (ASD) cannot be met your options are:

No action

- Cancel the project at this location

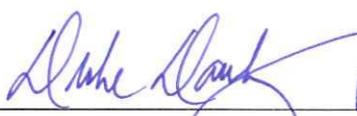
Mitigation

- Contact your Field or Regional Environmental Officer
<http://www.hud.gov/offices/cpd/environment/contact/>.
- Incorporate natural or existing man-made barriers.
- Have the storage containers (tank) buried • Reconfigure the site plan - To increase the distance between the hazard and the project.
- Modify the building design - To compensate for the ASD
- Construct a Barrier for blast overpressure and thermal radiation.

Other reasonable alternatives

- Choose an alternate site

DISCLAIMER: This document is intended as a tool to help TN CDBG grantees complete environmental requirements. This document is subject to change. This is not a policy statement, and the appropriate legislation and regulations take precedence over any information found in this document.



 PROJECT ENGINEER

APRIL 25, 2018

Preparer signature and Title

Date

A-28 Clear Zones and Accident Potential Zones

Clear Zones (CZ) and Accident Potential Zones (APZ)

Checklist for Responsible Entity

| General requirements | Legislation | Regulation |
|---|--|---|
| Promote compatible land uses around civil airports and military airfields | Section 2 of the Housing Act of 1949 as amended, 42 U.S.C 1331, affirmed by Section 2 of the Housing and Urban Development Act of 1969, P.L. No 90-448; Section 7(d) of the Dept. HUD Act of 1965, 42 U.S.C. 3535 (d). | 24 CFR Part 51 Subpart D 32 CFR Part 256 |

1. Is the Project located within 2,500 feet for a civil airport or within 15,000 feet for a military airfield of the end of a runway?

- No: STOP here. The project is not within a Clear Zone (also known as Runway Protection Zone) or Accident Potential Zone. Record your determination as listed below.

Maintain in your ERR a radius map with the project area marked that identifies airports and lists the distance between the CA and/or APZ and the project area. The regulations only apply to military and civil primary and commercial service airports. The Federal Aviation Administration updates the list of applicable airports annually: http://www.faa.gov/airports_airtraffic/airports/planning_capacity/passenger_allcargo_stats/passenger

- Yes: PROCEED to #2

2. Is the Project in the CZ or APZ?

Contact the airport operator and obtain written documentation of the Clear Zone (also known as Runway Protection Zone) and for military airfields, the Accident Potential Zone, and a determination of whether your project is in the APZ or CZ. Include the documentation in the ERR.

- No: STOP here. Record your determination that the project is not in a CZ or APZ.

- Yes: PROCEED TO #3

3. For Civil and Military Airports, is the activity for new construction, major rehabilitation*, or any other activity which significantly prolongs the physical or economic life of existing facilities? For Accident Potential Zones at Military Airfields, does the project change the use of a facility so that it becomes one which is no longer acceptable in accordance with Department of Defense standards (Please see 32 CFR Part 256 for *Land Use Compatibility Guidelines for Accident Potential Zones*), significantly increases the density or number of people at the site, or introduces explosive, flammable or toxic materials to the area?

- No: STOP here. The project is not subject to the regulations. Record your determination.

- Yes: PROCEED to #4

4. Will the project frequently be used or occupied by people?

- Yes: The project cannot be assisted with HUD funds. STOP HERE.
- No: Obtain written assurance from the airport operator to the effect that there are no plans to purchase the land involved with the project as a portion of a Runway Clear Zone or Clear Zone acquisition program. Maintain copies of all of the documents you have used to make your determination

* Rehabilitation is major when the estimated cost of the work is 75% or more of the total estimated cost of replacement after rehab (Please see 24 CFR 58.35(a) for complete definition of major rehabilitation thresholds.)

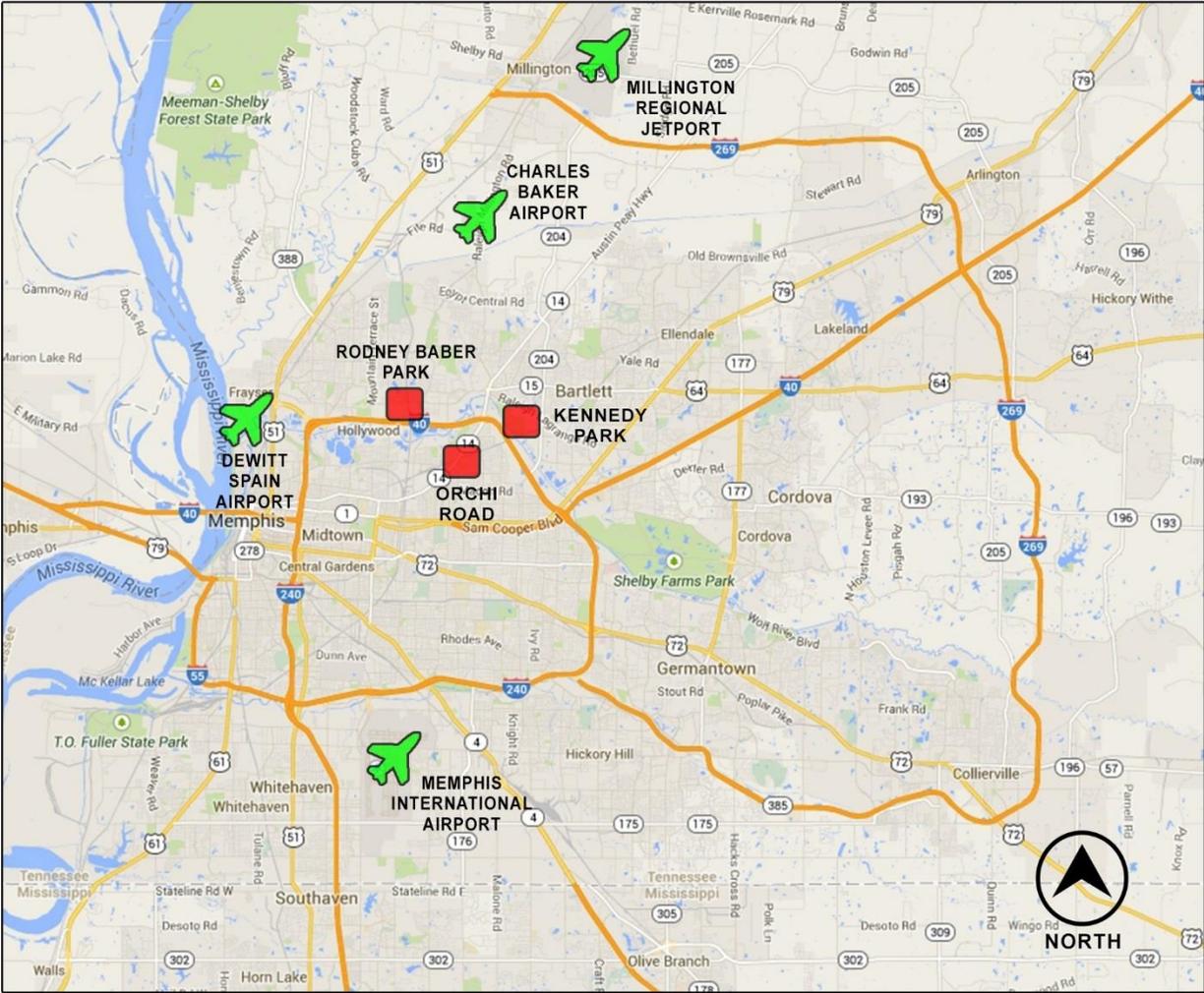
DISCLAIMER: This document is intended as a tool to help TN CDBG grantees complete environmental requirements. This document is subject to change. This is not a policy statement. Legislation and Regulations take precedence over any information found in this document.



PROJECT ENGINEER

Preparer signature and title

APRIL 25, 2018
Date



Distance from Activity Sites to Memphis Area Airfields, in feet

| Facility | Rodney Baber Park | Kennedy Park | Orchi Road |
|-------------------------------|-------------------|--------------|------------|
| Memphis International Airport | 49000 | 50000 | 51000 |
| Charles Baker Airport | 31000 | 30000 | 31000 |
| DeWitt Spain Airport | 17000 | 41000 | 33000 |
| Millington Regional Jetport | 62000 | 57000 | 58000 |

A-29 Toxic Chemicals and Radioactive Material

Toxic Chemicals and Radioactive Materials

Checklist for Responsible Entity

| General Requirements | Legislation | Regulation |
|--|--|----------------|
| All property proposed for use in HUD programs must be free of hazardous materials, contamination, toxic chemicals and gasses and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the property. | Comprehensive Environmental Response, Compensation, and Liability Act of 1980 as amended by Superfund Amendments and Reauthorization Act | 24 CFR 58.5(i) |

You are required to consider all hazards that could affect the health and safety of occupants and use current techniques by qualified professionals to undertake investigations determined necessary.

1. Is the project for any type of acquisition (not just housing), any type of new construction (including line extensions) and/or rehabilitation of a one-to-four family residential property?

- No: PROCEED to #2
- Yes: PROCEED to #3 to determine the likelihood of hazardous conditions existing nearby or on the property which could affect the health and safety of proposed occupants.

2. Is the project for multifamily housing with 5 or more dwelling units (including leasing), or non-residential property?

- No: PROCEED to #3
- Yes: The environmental review **must** include the evaluation of previous uses of the site or other evidence of contamination on or near the site, to assure that the occupants of proposed sites are not adversely affected by hazardous materials, contamination, toxic chemicals and gases, and radioactive substances. **For acquisition and new construction projects, HUD strongly advises that the review include an ASTM Phase 1 assessment or equivalent analysis, including an update if the assessment is over 180 days old, in order to meet real estate transaction standards of due diligence.** Your review should also cover the information in the questions below. PROCEED to #3.

3. Is the answer Yes to any of the following questions?

Is the property or surrounding neighborhood listed on an EPA Superfund National Priorities, the SEMS List, or equivalent State list?

Internet sites that may be helpful:

National Priorities list: www.epa.gov/superfund/sites/npl.

Envirofacts Homepage: <http://www.epa.gov/enviro/>

Enviromapper: <http://www.epa.gov/emefdata/em4ef.home>

No Yes

Is the property located near a toxic or solid-waste landfill site?

An internet site that may be helpful is <http://www.epa.gov/emefdata/em4ef.home>. Maps, site inspections and documentation from the local planning department may also be useful in making your determination.

No Yes

Are there any underground storage tanks (not including residential fuel tanks) on or near the property?

Consider past uses of the property when making your determination.

No Yes

Is the property known or suspected to be contaminated by toxic chemicals or radioactive materials?

No Yes

“No” to all questions: The toxic chemicals and radioactive materials review is complete; record your determination on the Statutory Worksheet and maintain appropriate documentation in the ERR (this form completed and a copy of the Envirofacts report page).
Yes to any of the above questions: PROCEED to #4

HUD’s “Choosing an Environmentally ‘Safe’ Site” provides guidance in considering potential environmental issues: http://portal.hud.gov/hudportal/documents/huddoc?id=DOC_12823.pdf. In considering the site the guidance suggests that you:

- Make a visual inspection of the site for signs of distressed vegetation, vents or fill pipes, storage/oil tanks or questionable containers, pits, ponds or lagoons, stained soil or pavement, pungent, foul or noxious odors, dumped material or soil, mounds of dirt, rubble, fill etc.
- Research the past uses of the site and obtain a disclosure of past uses from the owner. Certain past and present uses such as the following signal concerns of possible contamination and require a more detailed review: gasoline stations, vehicle repair shops, car dealerships, garages, depots, warehouses, commercial printing facilities, industrial or commercial warehouses, dry cleaners, photo developing laboratories, hospitals, junkyard or landfills, waste treatment, storage disposal, processing or recycling facilities, agricultural/farming operations (including hog and poultry operations) and tanneries.
- Identify adjoining properties in the surrounding area for evidence of any facilities as described above.
- Research Federal, State and local records about possible toxins and hazards at the site.

4. Could nearby toxic, hazardous or radioactive substances affect the health and safety of project occupants or conflict with the intended utilization of the property?

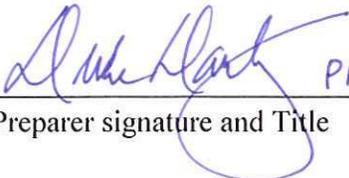
Gather all pertinent information concerning any on-site and nearby toxic hazards. Consider, at a minimum, each of the areas identified in Question 3. Consider if your ASTM Phase 1 or equivalent analysis identifies any Recognized Environmental Conditions (RECs)? If appropriate and/or required, obtain independent professional reviews of the site (e.g., an ASTM Phase 2 or equivalent analysis). Contact appropriate Federal, State and Local resources for assistance in assessing exposure to health hazards.

- No: The toxic chemicals and radioactive materials review is complete, unless there are other hazards that could affect the health and safety of occupants. Record your determination that there are no hazards that could affect the safety of occupants or impact the intended use of the project and maintain appropriate documentation in the ERR
- Yes: PROCEED to #5

5. Can the adverse environmental condition be mitigated?

- No: Do not provide HUD assistance for the project at this site
- Yes: Mitigate according to the requirements of the appropriate Federal, State or local oversight agency. Record your determination that there are no hazards that could affect the safety of occupants or impact the intended use of the project and maintain appropriate documentation in the ERR. HUD assistance should be conditioned on completion of appropriate mitigation. Deny HUD assistance if, after mitigation, the property is still determined to be unsafe or unhealthy. For more details please refer to HUD's "Choosing an Environmentally 'Safe' Site."

DISCLAIMER: This document is intended as a tool to help TN CDBG grantees complete environmental requirements. This document is subject to change. This is not a policy statement. Legislation and Regulations take precedence over any information found in this document.


 PROJECT ENGINEER
 Preparer signature and Title

APRIL 25, 2018
 Date