



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 12
5500 TRANSPORTATION BLVD. • GARFIELD HGTS., OH 44125 • 216-581-2100

Environmental Document for **CUY Cedar Point Rd Bridge PID 105755**

Environmental Document Level: D1

Approved: 8/20/2020

Prepared By: Jessica Stratigakos

Lawhon & Associates, Inc

Phone: 440-838-0777

E-mail: jstratigakos@Lawhon-assoc.com

District Contact: Mark Carpenter

Phone: 216-584-2089

E-mail: Mark.Carpenter@dot.ohio.gov

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by ODOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated June 6, 2018, and executed by FHWA and ODOT.

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Project Type

Please check all of the following actions that apply (Must check at least one):

(13) Actions described in 23 CFR 771.117 (c)(26), (c)(27), and (c)(28) that do not meet the constraints listed in 23 CFR 771.117(e). (a) Project types that exceed thresholds in Appendix A (b) Project types that exceed thresholds in Appendix B



General Project Information

Project, Cost Schedule and Work Limits

Environmental Document Level:	D1
PID:	105755
Project Name:	CUY Cedar Point Rd Bridge
Project Sponsor:	CUYAHOGA COUNTY ENGINEER
ODOT District:	12
Funding Source:	Federal
Private Funding:	No
Local Public Funding:	Yes
STIP Reference #:	105755: 21-24 STIP
The next phase of the proposed project is listed on the STIP	Yes
The current cost estimate is in line with existing federal procedures for Ohio STIP Amendments and Administration Modifications	Yes
Planning and Engineering:	\$21,052.00
Right of Way:	\$0.00
Construction:	\$3,173,620.00
Other:	\$0.00
An Interchange Modification/Justification/Operations Study (IMS/IJS/IOS) was completed	No

Project Description:

The Cuyahoga County Engineer proposes to rehabilitate the deficient historic bridge (00.49) which carries Cedar Point Road (CR 139) over East Branch Rocky River in the City of North Olmsted, Cuyahoga County, Ohio. Proposed work includes replacement of the bridge deck and sidewalks, removal of original stone railing, construction of a form-lining exterior railing, patching of interior beams & all deficient substructure surfaces located above the normal low water level, replacement of all exterior beams, installation of passive cathodic protection, and replacement of approach slabs. The structure will be 46' 5" wide with two 11' lanes, two 5' bike lanes, and 16" railings. The design retains the historic features of its Neo-Classic design. The project is entirely within the Rocky River Reservation.

Cedar Point Road will be closed to traffic for the duration of construction and a detour will be provided. Construction is currently scheduled to begin spring 2021 and last approximately 9 months.

Temporary right-of-way is required for this project.



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A Press Release was issued on September 27, 2019 to provide project information and an opportunity to comment on the project. Letters were also sent to local safety services and schools in the project area. No comments were received.

No hazardous materials, no noise or air quality impacts, or impacts to underserved populations are associated with this project. Minor stream impacts to the Rocky River and East Branch of the Rocky River will occur and are described in the Ecological section.

There are temporary no-use impacts to the Section 4(f) protected Rocky River Reservation which are described in the Section 4(f) section. Rocky River Reservation is also a 6(f) resource, temporary maintenance impacts are described in the Section 6(f) section.

The replacement of the historic bridge constitutes an adverse effect and mitigation was determined through a Cultural Resources MOA which is described in the Cultural section.

The environmental document and associated studies are being approved using Stage 2 Design. A copy of the plans is included in the project file.

Road closures and restrictions will be required to facilitate construction activities.

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by ODOT pursuant to 23 U.S.C. 327 and a Memorandum of Agreement dated August 20, 2020 and executed by ODOT.

Limits of Proposed Work:	Cedar Point Road over Rocky River
Start (SLM):	0.43
End (SLM):	0.57
Total Work Length (Miles):	0.14

No roadway data for PIDs associated with this CE Form

Sufficiency Rating:	049.0
General Rating:	4
Date Built:	07/01/1929
Bridge Location:	1400' EAST OF LEWIS RD.
40. Bridge Type:	120

Design Criteria For Bridges
Design Criteria for Bridges

SFN: 1830643

Sufficiency Rating:	049.0
General Rating:	4
Date Built:	07/01/1929
Bridge Location:	1400' EAST OF LEWIS RD.

Existing:

Proposed:



Bridge Type:	120	120
Bridge Length (ft):	182	182
Number of Main Spans:	3	3
Max Span Length (ft):	61	65
Load Restrictions (TON):	120	120
Curb to Curb Width (ft):	30	32
Shoulder Width(ft):	0	0
Under Clearance (ft):	11	11

Bridge Type Description:

Three span reinforced concrete frame on reinforced concrete abutments and piers.

Load Restrictions Description:

HL-93

Future wearing surface= 60 PSF

Will the structure be rehabilitated or replaced as part of the project?

Yes

If this bridge is a historic bridge, what type is it?

Neo-classical style

Remarks:

The fascia is finished in Neo-classical style. The railing features keyed capstones; raked edges on the capstone; stone wall; eight piers with double capstone; and curvilinear ends. The bridge is being rehabilitated and will maintain its NRHP eligibility.

41. Bridge Length (ft):	182
42. Number of Main Spans:	3
43. Max Span Length (ft):	61
44. Load Restrictions (TON):	120
45. Curb to Curb Width (ft):	30

Maintenance of Traffic During Construction

A roadway, bridge or ramp closure is required	Yes
A temporary bridge or roadway is proposed	No
A detour is required for the proposed project	Yes
Access for local through traffic will be provided with appropriate signage	Yes
Provisions for through-traffic dependent businesses will be incorporated into project design	No
Provisions to accommodate any local special events or festivals will be incorporated into project design	No



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The proposed MOT substantially impacts sensitive environmental resources	No
Substantial controversy is associated with the proposed MOT	No
Coordination has been initiated and/or completed with local emergency services, schools, public institutions/facilities, etc.	Yes

Remarks:

The project will require closure of the Cedar Point Road Bridge for the duration of construction. A detour will be provided.
A coordination letter was sent on December 4, 2019 to local fire department, police department, and school officials notifying them of the project and providing an opportunity to comment. No comments were received.

Are there any Environmental Commitments?	Yes
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Right of Way and Utility Involvement

The project requires Permanent Right-of-Way	No
The project requires Permanent Easement(s)	No
The project requires Temporary Right-of-Way	Yes
Number of parcels impacted by Permanent Right-of-Way:	0

Right of Way and Utility Involvement

Number of parcels impacted by Temporary Right-of-Way:	1
Approximate acreage of Permanent Right-of-Way needed:	0
Approximate acreage of Temporary Right-of-Way needed:	0.424
Electrical lines, gas lines, water lines, sewer lines, phone lines or other utilities exist in the project area	Yes
Large scale transmission facilities are located within the project area	No
Private utility easements are located within the project area	Yes
The existing private utility easement will be impacted by the project	Yes
Coordination with identified utilities has been initiated and/or completed	Yes

Remarks:

List of Utilities in the project area:
Wide Open West, The Illuminating Company, Columbia Gas of Ohio, Windstream Ohio, Dominion East Ohio, AT&T, Centurylink, Time Warner Cable, Zayo Fiber Solutions, City of North Olmsted.
Design work continues with the impacted utilities to complete the temporary and permanent utility relocation plan.
Temporary ROW will be required, no permanent ROW.



Purpose & Need

Purpose & Need

Project History:

The CUY Cedar Point Road Bridge/CUY 00193 0049 (SFN 1830643) which carries Cedar Point Road over Rocky River in the City of North Olmsted, Cuyahoga County, Ohio was built in 1929. The structure is a 3-span concrete ribbed rigid frame 182-foot long, 30-foot wide on spread footings. The bridge carries two 10-foot wide vehicle lanes, two 5-foot wide bike lanes, and two 5-foot wide sidewalks. A major rehabilitation was completed in 1975. In addition, routine maintenance has been performed on the structure over time, including new wearing surface in 1989.

Bridges in Ohio are inspected at least every two years. This project is included in the Northeast Ohio Areawide Coordinating Agency's (NOACA) FY 2021-2024 Transportation Improvement Program and Ohio's SFY 2021-2024 Statewide Transportation Improvement Program.

Purpose Statement:

The purpose of the project is to address the deficient structure on Cedar Point Road over Rocky River.

Need Element(s):

Bridges in Ohio are rated on a number of aspects, with the two indicators of the overall condition being the General Appraisal rating and Sufficiency rating. The General Appraisal rating is a composite measure of the major structural items of the bridge. It is based on the existing condition of the bridge as compared to its as-built condition. The General Appraisal rating ranges from 0-9, where 9 is like new and 0 is out of service. The Sufficiency rating is an FHWA formula which combines four major factors into a percentage: structural adequacy, safety, serviceability, and essentiality for public use. A GA of 4 or less is considered deficient and in need of replacement. A Sufficiency rating below 50 is deficient under FHWA standards.

The most recent inspection for CUY Cedar Point Road Bridge was conducted in September 2019. The latest inspection for the railings and transitions do not meet current standards. Based on the inspection report and the Feasibility Study deficiencies include: Deck floor - spalled and cracked, waterproofing membrane has been compromised; sidewalk - numerous cracks with section loss at the top; stone railings - some deterioration; superstructure - spalls and delamination on concrete beams, over 50% of fascia beams deteriorated; substructure - some full depth spalls on abutments; piers - 50% total area delaminated; wingwalls - flaking and corner delamination; and channel - no stream line degradation. The Sufficiency rating is 49 and the General Appraisal rating is 4, Poor.

Goals and Objectives:

n/a

Summary Statement:

n/a

Logical Termini and Independent Utility:

The logical termini for the proposed project are limits sufficient to consider the range of alternatives to address the deficient structure. The study area is 75 feet north and south of the existing structure over Rocky River; and 300 feet east and 400 feet west of the structure.

The project is independent of any other transportation project in the area and is not part of any system linkage or long range development or transportation improvement plan. The project is not divided into interdependent phases, will be constructed under one construction contract, stands alone as independent project, and therefore, establishes independent utility.



Alternatives

Alternatives

Discuss No Build Alternative:

The No Build Alternative includes only routine maintenance. This alternative would not address the deficient structure. The No Build Alternative does not meet the project's Purpose & Need.

Was a Feasibility Study completed?

Yes

Date Feasibility Study was approved:

12/21/2017

Was an Alternative Evaluation Report (AER) completed?

No

Alternatives Considered

Name	Description	Reason Dismissed	Preferred Alternative
Alternative No. 2 - Rehabilitation	Full Rehabilitation of the existing structure	Not Dismissed	Yes
Alternative No. 3 - Superstructure Replacement:	Rebuild the entire superstructure using a cast-in-place concrete frame	Compromises the historic integrity of the bridge	No
Alternative No. 4 - Structure Replacement	Replace the entire bridge	Compromises the aesthetics and the historic integrity of the bridge	No
Historic Alternative 2, Option 1	Removing and rebuilding the existing stone railing and walls, widening six feet to add crash tested barriers between the railing and traffic	Requires permanent ROW from park	No
Historic Alternative 2, Option 2	4" veneer made from the existing stone salvaged from the original railing, including the original stone cap and curved wall	Cleveland Quarries said they would not cut the existing stone due to the risk of damaging their saw blades or cables	No

Discuss Reasons Alternative Identified as Preferred was selected:



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In the Feasibility Study Alternative 2 was determined to be the preferred. Alternative 3 and 4 were dismissed due to their impact to the historic bridge.

As part of the Section 106 review process two additional alternatives were reviewed to preserve the historic integrity of the bridge. After this analysis the original preferred alternative was determined to be the feasible and prudent option.



Air

Mobile Source Air Toxics (MSATs)

Sensitive Areas are located within approximately 500' of the proposed project area Yes

The proposed project is listed as a C1 in ODOT's CE Guidance and/or falls under 40 CFR 93.126 Yes

Remarks:

This project does not add capacity, a new interchange, or a new road on new alignment. This project only slightly modifies an existing alignment. Hence, this project will not result in any meaningful changes in traffic volume, vehicle mix, location of the existing facility, or any other factor that would cause an increase in emissions impacts relative to the no-build alternative. As such, FHWA has determined that this project will generate minimal air quality impacts for Clean Air Act criteria pollutants and has not been linked with any special MSAT concerns. Consequently, this effort is exempt from analysis for MSATs.

Particulate Matter 2.5 (PM2.5)

The proposed project is in an air quality non-attainment or maintenance area Yes

The proposed project falls under 40 CFR 93.126 Yes

Remarks:

The subject project is in Cuyahoga County which is a PM2.5 maintenance or non-attainment area. However, this project is exempt from PM2.5 analysis per 40 CFR 93.126; widening narrow pavements or reconstructing bridges.

Carbon (CO)

The State of Ohio is in attainment for CO at this time and no coordination or analysis is required

Ozone

The proposed project is in an Ozone non-attainment or maintenance area Yes

The proposed project is listed on the TIP Yes

Remarks:

Cuyahoga County is in an ozone maintenance or non-attainment area. However, because the project is in the STIP, ozone is addressed.



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Environmental Commitments

Are there any environmental commitments?

No



Noise

Noise

Noise Sensitive Areas located within approximately 500' of the proposed project area Yes

Noise Analysis conducted No

The proposed project is a Type I project No

The proposed project is a Type II project No

Remarks:

The project area is located within a park. No noise analysis is required because the project is not moving travel lanes significantly closer (50%) to noise sensitive areas and the project is not adding capacity.

Environmental Commitments

Are there any environmental commitments? No



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ESA

Does the project require any Permanent ROW or Easement?: No
Does the project require any temporary ROW?: Yes

ESA

ESA Screening Report was completed by District Staff No

Remarks:

Lawhon & Associates, Inc. conducted Regulated Materials Review for the project corridor in April 2019 which was conducted in accordance with the Ohio Department of Transportation Office of Environmental Services (ODOT-OES) Regulated Materials Review Manual (2018). As a result of this review, no sites warranted further site assessment or special material management. District 12 issued an email on May 8, 2019 stating agreement.

Lawhon & Associates, Inc. conducted an Asbestos Inspection of the Cedar Point Road Bridge in January 2019. The inspection identified sidewalk parapet found to be Asbestos Containing Materials defined by U.S. EPA/NESHAP regulations. A plan note has been added.

According to the IOC from OES does the project require any Environmental Commitments (plan notes and/or other coordination)? Yes



Cultural Resources

Cultural Properties Present

Please describe all of the efforts made to identify Historic Properties (including lit review, field investigation, etc.):

Lawhon & Associates, Inc. prepared the Section 106 Scoping Request on March 6, 2019. The request for review provided a records check which included a review of electronic data from the Ohio State Historic Preservation Office (SHPO) to identify properties within the project area listed on or eligible for the National Register of Historic Places (NRHP), Ohio Archaeological Inventory (OAI) sites, Ohio Historic Inventory (OHI) buildings and structures. No OAI or OHI sites were identified within the project area. The bridge was determined eligible for listing on the NRHP in 1985 as the result of a survey conducted by the North Olmsted Landmarks Commission (HABD# H00063). No other NRHP-qualified resources are located in the APE. No archaeological resources are known in the APE and impacts to significant archaeological sites are unlikely. No further archaeological investigations are recommended.

Is there an eligible or listed NRHP Historic Property in the Area of Potential Effects Pursuant to 36 CFR part 800? Yes

OES Approval/OSHPO Concurrence Date: 05/22/2020

Remarks:

In accordance with 36 CFR 800.5b, ODOT-OES determined on April 7, 2019 that the proposed bridge work will preserve the historic character-defining reinforced ribbed arch design of the bridge. Therefore, the undertaking will have no adverse effect to the main structure elements that qualify it to be listed on the NRHP.

The proposed bridge work will preserve the historic rigid frame technology. The design includes measures to minimize impacts to the rustic stone park design of the railings with construction plan details that include a form liner specification to match the existing railing's stone veneer in pattern and scale; and salvaging the original railing capstones for reuse on the new crash-tested railings. ODOT-OES and SHPO will have an opportunity to review updated plans when they are available.

Based on SHPO comments received on 2/27/2020 and further consultation ODOT-OES on March 3, 2020 determined that removing the stone railing system and replacing it with a similar patterned form liner without reinstating the design features such as the curvilinear ends and pier details on both sides of the railing will have an adverse effect to the concrete rigid frame bridge. No further cultural resources studies are recommended unless the scope of work changes.

Following the March 3, 2020 determination, Cuyahoga County notified ODOT since the project was going to have an adverse effect on the historic bridge despite the reuse of the stone cap and creating new stone caps to fit the proposed configuration, the County has removed these items from the project.

Based on the updated scope to not salvage any of the original stones from the parapet railings for reuse on the new deck railings as part of the historic concrete rigid frame bridge rehabilitation, ODOT-OES on May 14, 2020 determined that the previous finding of adverse effect from 3/3/2020 is valid for this undertaking.

SHPO concurred with this finding on May 22, 2020.

On June 4, 2020 ODOT-OES notified the Advisory Council on Historic Preservation (ACHP) to determine participation in the consultation process. On June 30, 2020 ACHP notified ODOT-OES of its decision not to participate in the consultation process.

In June-August 2020 ODOT-OES staff met with SHPO and the Consulting Parties to work through the Section 106 consultation process, address concerns, and develop a Memorandum of Agreement (MOA). On August 20, 2020 an MOA was executed between



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SHPO, ODOT, and Cuyahoga County for the Adverse Effect. Stipulations contained in the executed MOA are included as environmental commitments below.

This concludes the Section 106 process.

Please check all NRHP Eligible and/or Listed resources:

Bridge

What is the Section 106 effect determination in the OES Transmittal?	Adverse Effect
Does this project have an Adverse Effect on Archaeological resources?	No
Does this project have an Adverse Effect on History/Architecture resources?	Yes

Archaeological Resource Adverse Effect

History/Architecture Adverse Effect

Date OSHPO Concurred with Adverse Effect determination:	05/22/2020
Date Documentation for Consultation was sent	
ACHP:	06/04/2020
OSHPO:	03/03/2020
Is FHWA consultation required?	No
Did you contact any other Consulting Parties?	No
Date of Advisory Council on Historic Preservation response:	06/30/2020
Is Advisory Council on Historic Preservation participating?	No
Date MOA was executed:	08/20/2020

Tribal Consultation

Tribal Consultation Summary/Remarks:

The Miami Tribe of Oklahoma offers no objection to the project as it is not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site. However, as this site is within the aboriginal homelands of the Miami Tribe, if any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of this project, the Miami Tribe requests immediate consultation with the entity of jurisdiction for the location of discovery. See the Miami Tribe of Oklahoma correspondence, dated April 25, 2019, with its comments on the project in the Project File/Cultural Resources/Coordination subsection.

The Delaware Nation was notified of the project on April 2, 2019; February 12, 2020; March 3, 2020 and May 14, 2020. The Tribe did not provide any response within the 30 day comment period.



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The Delaware Tribe of Oklahoma was notified of the project on February 12, 2020; March 3, 2020 and May 14, 2020. The Tribe did not provide any response within the 30 day comment period.

Environmental Commitments

Are there any Environmental Commitments?

Yes



Ecological

ESR

Has an ESR been completed? Yes

Date ESR was completed: 06/05/2019

Wetlands

Are Wetlands Present? No

Remarks:

Lawhon & Associates, Inc. prepared a Level 1 Ecological Survey Report dated June 5, 2019. No wetlands were identified within the project area.

Streams & Rivers

	Present:	Impacted:
Streams and Rivers:	Yes	Yes
National Scenic River:	No	
State Scenic River:	No	
Sec 9:	No	
Sec 10:	No	

Impacted Streams and Rivers

Stream Name	Total Linear feet Impacted	QHEI	Aquatic Life Use Designation
Rocky River	93	74.5	Warm Water Habitat (WWH)
East Branch Rocky River	45	68.5	Warm Water Habitat (WWH)

Total Linear feet Impacted: 138

Remarks:

Lawhon & Associates, Inc. prepared a Level 1 Ecological Survey Report dated June 5, 2019. Two streams were identified within the project area, both will be impacted.

- Rocky River (drains to Lake Erie)
- East Branch Rocky River (drains to Rocky River)



Any necessary stream mitigation will be addressed as a part of the waterway permit process.

Other Surface Waters

	Present:	Impacted:
Reservoirs:	No	
Lakes:	No	
Ponds:	No	
Storm Water Management Facility:	No	
Jurisdictional Ditch:	No	
Other (If selected please explain in remarks):	No	

Remarks:

A Level 1 Ecological Survey Report was performed by Lawhon & Associates Inc. on June 5, 2019. No other surface waters were identified within the project area.

Terrestrial Habitat

	Present:	Impacted:
Terrestrial Habitat:	Yes	Yes
Unique or high Quality:	No	

Remarks:

A Level 1 Ecological Survey Report was performed by Lawhon & Associates, Inc. on June 5, 2019. Terrestrial habitat in the project area consists of common mixed vegetation and trees and includes Developed, High Intensity (highly developed areas where people reside or work in high numbers); Open Space (mowed right-of-way, single family housing, parks, etc.); Upland Forest (uplands dominated by trees); and Floodplain Forest (dominated by plants that typify a stable phase of a native community that persists under some disturbance).

No unique or high quality terrestrial habitats occur within the study area.

Threatened or Endangered Species

	Present:	Impacted:
Within the known range of a Federal Species?	Yes	No
Federal Species/habitat found within the project area?	Yes	Yes
Within the known range of a State Species?	Yes	No



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State Species/habitat found within the project area?	Yes	Yes
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Remarks:

The proposed project is within the known range of the following federally (F) listed threatened and endangered species. According to the ODNR Ohio Heritage Program database (OHD) review, the project is within 1 mile of the known range of the following state (S) listed threatened and endangered species.

- Indiana bat (*Myotis sodalists*) - F
- Northern long-eared bat (*Myotis septentrionalis*) - F
- Kirtland's warbler (*Dendroica kirtlandii*) - F
- Piping plover (*Charadrius melodus*) - F
- Rufa red knot (*Calidris canutus rufa*) - F
- rock serviceberry (*Amelanchier sanguinea*) - S
- ground juniper (*Juniperus communis*) - S
- Canada buffalo-berry (*Shepherdia canadensis*) - S
- pale sedge (*Carex pallescens*) - S
- round-leaved dogwood (*Cornus rugosa*) - S
- thin-leaved sedge (*Carex cephaloidea*) - S

The project is also within the known range of the following federal and state listed species of concern

- Bald Eagle (*Haliaeetus leucocephalus*) - F

For the Indiana bat, approximately 0.193 acre of suitable wooded habitat (SWH) is expected to be impacted by this project. All of the 0.193 acre of the SWH are within 100' of EOP. Review of ODNR's OHD did not identify a capture within one (1) mile of the proposed project area. This project meets the CC1 and *may affect, not likely to adversely affect* this species.

For the Northern long-eared bat, suitable habitat similar to the Indiana bat was identified. This species also prefers man-made structures and caves. No caves were identified within the proposed project area and no man-made structures besides will be removed. This project meets the CC1 and *may affect, not likely to adversely affect* this species.

For the Kirtland's warbler, some suitable habitat was identified in the proposed project area. Although some scrub/shrub and wooded habitats are present within and adjacent the project area, this project is not within three miles of Lake Erie. This project will have *no effect* on this species.

For the Piping plover, no suitable habitat was identified within the project area. The study area lacks open sandy beaches that would provide foraging habitat. This project will have *no effect* on this species.

For the Rufa red knot, no suitable habitat was identified within the project area. The study area lacks beaches, mudflats, and any open fields that may become flooded. This project will have *no effect* on this species.



For the rock serviceberry, suitable habitat was identified within the project area. Cleveland Metroparks' Wetland Ecologist indicated this species is located high on ridgelines/bluffs and would not be impacted by the bridge replacement work. This project will have *no impact* on this species.

For the ground juniper, suitable habitat was identified within the project area. Cleveland Metroparks' Wetland Ecologist indicated this species is located high on ridgelines/bluffs and would not be impacted by the bridge replacement work. This project will have *no impact* on this species.

For the Canada buffalo-berry, suitable habitat was identified within the project area. Cleveland Metroparks' Wetland Ecologist indicated this species is located high on ridgelines/bluffs and would not be impacted by the bridge replacement work. This project will have *no impact* on this species.

For the pale sedge, suitable habitat was identified within the project area. Cleveland Metroparks' Wetland Ecologist indicated this species is located high on ridgelines/bluffs and would not be impacted by the bridge replacement work. This project will have *no impact* on this species.

For the round-leaved dogwood, suitable habitat was identified within the project area. Cleveland Metroparks' Wetland Ecologist indicated this species is located high on ridgelines/bluffs and would not be impacted by the bridge replacement work. This project will have *no impact* on this species.

For the thin-leaved sedge, suitable habitat was identified within the project area. Cleveland Metroparks' Wetland Ecologist indicated this species is located high on ridgelines/bluffs and would not be impacted by the bridge replacement work. This project will have *no impact* on this species.

For the Bald Eagle, no suitable habitat was identified in the proposed project area. There are no bald eagle records within a one mile radius of the study area. This project will have *no effect* on this species.

Evidence of colony nesting birds was observed on the substructure of the bridge over the Rocky River. Approximately 25-30 cliff swallow (*Petrochelidon pyrrhonota*) nests were observed on joints and crevices on the substructure of the bridge. It is unknown if this site is actively used by nesting cliff swallows, as the time of the survey occurred after all nestlings would have fledged and the fall migration had begun.

Agency Coordination

	Coordination Required:	Comments Received Date:
Ohio Department of Natural Resources (ODNR):	No	
United States Fish and Wildlife Service (USFWS):	Yes	08/16/2019
Ohio Environmental Protection Agency (OEPA):	No	
United States Army Corps of Engineers (USACE):	No	
ODNR State Scenic River:	No	



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National Park Service (NPS) National Scenic River:	No	
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Remarks:

Coordination under the February 29, 2016 Framework Programmatic Biological Opinion was submitted to USFWS on July 31, 2019.

The USFWS concurred on August 16, 2019 that the project falls under the CC1-b category of impacts which *may affect, not likely to adversely affect* the Indiana bat and the Northern long-eared bat provided ODOT adheres to clearing any trees only between the dates of October 1 and March 31; minimizes tree removal, the project footprint, aquatic resource impacts, and forested upland habitat impacts. A plan note has been added.

Are there any environmental commitments?

Yes



Other Resources

Farmlands

Farmlands

The proposed project is located within an Urbanized Area Yes

The proposed project is located in an area that is in or committed to urban development or water storage and is therefore not subject to the Farmland Policy Protection Act (FPPA) in accordance with 7 CFR 658. No further coordination is required.

Remarks:

Based upon review of appropriate mapping, the proposed project is located in an urbanized area zoned for non-agricultural purposes and is not in an agricultural district. Therefore, the proposed project meets the terms and conditions of the *Memorandum of Understanding between the Natural Resource Conservation Service and the Ohio Department of Transportation for Projects Involving Farmlands (Agreement No. 19552)*, executed on March 15, 2016. No further coordination is required.

Are there any environmental commitments? No

Drinking Water

The proposed project is wholly or partially located within the USEPA designated boundaries of a Sole Source Aquifer No

	Present:	Impacted:
The proposed project is wholly or partially located within the OEPA designated boundaries of a Source Water Protection Area	No	

Coordination with the Local Public Water Administrator is required No

	Present:	Impacted:
Residential Wells are present	No	

Remarks:

The Ohio EPA Division of Drinking and Ground Waters mapping tool was used to identify the presence of drinking water resources within the project study area. The map indicates that there are no public water system wells, intakes, drinking water source protection areas, non-transient, non-community Water Systems or transient non-community water systems within 1/2 mile of the project area. The project area does not lie over a Federally-designated sole source aquifer.



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Well locations near the project limits were mapped from ODNR Ground Water Mapping and Technical Services' website. No wells are located in the project area. No drinking water well impacts are anticipated.

OEPA and ODNR mapping may be found in the Project File under Other Resources/Drinking Water

Are there any environmental commitments?

No



Section 4(f)

Section 4(f) Determination

Section 4(f) properties are within and/or adjacent to the proposed project area Yes

Concurrence received from the OWJ Yes

Were there multiple OWJs? Yes

OWJs

Name	Date concurrence received
Cleveland Metroparks	09/16/2019
State Historic Preservation Office	05/22/2020

	Present:	Impacted:
Publicly owned Park(s):	Yes	Yes
Publicly owned recreation facility(ies) and/or area(s):	No	
Wildlife and Waterfowl refuge(s):	No	
Historic Site(s):	Yes	Yes

Identified Section 4(f) Properties

Identified 4(f) Properties

Property Name	Type	Permanent ROW/Easement Acres	Temporary ROW/Easement Acres	4(f) finding	Date
Rocky River Reservation	Publicly owned Recreational Facility and/or Area	No	0.424 acres	Temporary No Use	10/16/2019
Cedar Point Bridge	Historic Site	Adverse Effect	No	Historic Bridge	08/20/2020

Remarks:

Rocky River Reservation

The Rocky River Reservation is a 1,000+ acre park which follows the winding course of the Rocky River from Berea northward into Lakewood near Lake Erie. The Reservation includes a nature center, marina, stables, picnic shelters, three golf courses, several multi-use trails, and a 14 mile bridle trail. Activities include hiking, biking, horseback riding, sledding, fishing & ice fishing, boating, and sailing. The first 3.8 acre parcel was purchased in 1919. The park is owned and maintained by the Cleveland Metroparks.

The project will require approximately 0.424 acres of temporary right-of-way from Rocky River Reservation for construction access. Access to the Little Cedar Point Picnic Area will be maintained during construction, on the west side of the bridge. Access will be



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maintained to the All Purpose Trail and Bridle Trail, on the east side of the bridge. These Trails will not be affected by the road closure. The addition of the 10' multi-purpose trail to the bridge will enhance access to these Trails.

A Section 4(f)/6(f) Determination Request Form (DRF) for Recreational Properties was submitted to ODOT-OES Policy Staff on September 18, 2018. Based upon review of the DRF it was determined by ODOT-OES Policy Staff on October 16, 2019 that the proposed project can be processed as an exception to the requirement for Section 4(f) approval. In accordance with 23 CFR 774.13(d), the temporary occupancy of land and/or access will not constitute a use upon the protected recreational activities, features, or attributes associated with the Rocky River Reservation.

Cedar Point Bridge

The Cedar Point Bridge is eligible for listing in the National Register of Historic Places and the rehabilitation of the bridge will be an adverse effect.

Measures to minimize harm have been incorporated into the project and are detailed in the Memorandum of Agreement dated August 20, 2020

Environmental commitments are under the Cultural Resources Tab.

The Programmatic Section 4(f) Nationwide Section 4(f) Evaluation for Projects That Necessitate the Use of Historic Bridges was prepared by Lawhon and Associates. Approved by ODOT-OES on 8-20-2020.

Are there any environmental commitments?

Yes



Section 6(f)

Section 6(f) Determination

	Present:	Impacted:
6(f) Properties:	Yes	Yes

Identified 6(f) Properties

Property Name	Permanent ROW/Easement Acres	Temporary ROW/Easement Acres	6(f) finding	Date
Rocky River Reservation	No	0.424 acres	Maintenance	10/16/2019

Remarks:

Research of the Land and Water Conservation Fund Coalition website <https://www.lwcfcoalition.com/tools> by Lawhon & Associates, Inc. identified Rocky River Reservation as having used Section 6(f) funds within the project area. Portions of the Park were developed using National Park Service (NPS) Land and Water Conservation Funds, under Grant #39-0944. Rocky River Reservation - see description under Section 4(f).

To accommodate construction activities and equipment access, approximately 0.424 acres of temporary right-of-way is required from Rocky River Reservation for a period not to exceed the entire duration of construction. Access to the Little Cedar Point Picnic Area (west side of the bridge) and the All Purpose Trail and Bridle Trail (east side of the bridge) will be maintained at all times during construction activities. As part of the project, a proposed ten-foot multi-purpose trail will be constructed to provide a connection to the bridge to enhance access to existing trails and future plans to extend to Frostville and the Wildlife Management.

In an IOC dated October 16, 2019, OES determined that the proposed project can be process processed as a Maintenance Type Project in accordance with Section B(1) of the Section 6(f) Programmatic Agreement executed April 14, 2014. Access to the Section 6(f) property the Rocky River Reservation, will be maintained at all times during construction activities. Furthermore, the type of work is designed to enhance the property and will not change the use of land from recreational to transportation.

Environmental commitments/plan notes are listed under Section 4(f).

Section 6(f) documentation can be found in the project file under Section 6(f).

Are there any environmental commitments?

No



Community Impacts

Community Impacts

Will the proposed action comply with the local/regional development patterns for the area? Yes

Remarks:

The proposed project is consistent with development plans and will not change the local/ regional development patterns.

Will the proposed action result in substantial negative impacts to community cohesion? No

Remarks:

The proposed project will not have a negative impact to community cohesion.

Will the proposed action result in indirect or cumulative impacts? No

Remarks:

The proposed project will not have indirect or cumulative impacts to the community.

Will the proposed action result in substantial impacts on health and educational facilities, public utilities, fire, police, emergency services, religious institutions, public transportation, pedestrian and bicycle facilities? No

Remarks:

Substantial impacts will not occur to health and educational facilities, public utilities, fire, police, emergency services, religious institutions, or public transportation facilities. Inconveniences will be experienced by public services (fire, police, and emergency services) as a result of the planned detour during the duration of construction; but the inconvenience will be temporary and short in duration. Emergency services and schools will be notified of any delays and closures associated with construction.

Will the proposed action displace residents, businesses, institutions or farms? No

Remarks:

No residents, businesses, institutions or farms will be displaced as a result of this project.

Are there any Environmental Commitments? No



Underserved Populations

Underserved Populations

Identified Underserved Populations

Census Block Group #	% Minority	% Low Income
390351742072	12	31

- Are Underserved Populations located within and/or adjacent to the proposed project area? Yes
- Are there any relocations? No
- Will there be changes to access? No
- Will the proposed project result in unanticipated additional impacts to any Underserved Populations? No
- Were any concerns related to impacts on Environmental Justice Populations or any other unique factors that could result in a disproportionately high and adverse effect raised during public involvement? No
- Were any concerns related to impacts on Title VI Populations or any other unique factors that could result in a disparate impact raised during Public Involvement? No
- Were any concerns or any other unique factors that could result in an impact to any of the other Underserved Populations (Limited English Proficiency, Older Adults, or Individuals with Disabilities) raised during Public Involvement? No

Remarks:

According to the ODOT's TIMS, the Underserved Populations percentages are mixed in the project area. The project is located within one blockgroup. The Minority population is 12 percent. The Low Income population is 31 percent. The older adult population is 20 percent and the Limited English Proficiency (LEP) is 3 percent population.

The proposed project will have no disproportionately high and adverse effects to minority or low-income populations or disparate impacts to a Title VI population based upon the table above, the attached mapping, and the answers to the questions above. No concerns related to impacts on Environmental Justice or Title VI populations were raised as a result of public involvement activities conducted as part of the proposed project. Therefore, in accordance with the protections of Executive Order 12898, FHWA Order 6640.23A and Title VI of the Civil Rights Act of 1964, no further analysis is required.

The proposed project will have no substantial impacts to Limited English Proficiency, Older Adults, and Individuals with Disabilities Populations based upon the table above, the attached mapping, and the answers to the questions above. No concerns related to impacts on these Underserved Populations were raised as a result of public involvement activities conducted as part of the proposed project. Therefore, in accordance



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with the protections of the Age Rehabilitation Act of 1973, Discrimination Act of 1975, Americans with Disabilities Act of 1990, and Executive Order 13166, no further analysis is required.

Based on the above findings an UPIAR is not required.

Are there any Environmental Commitments?

No



Public Involvement

Public Involvement

Please provide a summary of the Public Involvement activities that have been conducted for this project. (For example press releases, letters to affected property owners and residents, meetings, special purpose meetings, newspaper articles, etc)

No property owner notification letters were sent because the project is entirely within the Rocky River Reservation.

A press release was issued by Cuyahoga County on September 27, 2019. In this press release the public was notified of the project details, right of way impact, access restriction to the bridge during construction, and impacts to 4(f) and 6(f) resources. The County presented an opportunity to comment on the project. ODOT/OES approved the Public Engagement Plan on August 5, 2020

Was Public Involvement conducted in compliance with Title VI requirements?

Yes

Is there any substantial environmental controversy on environmental grounds?

No

Please summarize the Public Involvement responses received.

The public comment period was from September 27, 2019 to October 30th.
No comments from the public were received.

Are there any Environmental Commitments?

No



Permits

Waterway Permits

Are Waterway Permits required?	Yes
Is the Waterway Permits Determination Complete?	Yes
Army Corps of Engineers	
Regional General Permit (RGP):	No
Nationwide Permit (NWP):	Yes
Section 404 Individual Permit:	No
Section 10 Permit:	No
Ohio EPA	
Section 401 Water Quality Certification:	No
Level 1 General Isolated Wetland Permit:	No
Level 2 Individual Isolated Wetland Permit:	No
Level 3 individual Isolated Wetland Permit:	No
US Coast Guard	
Section 9 Coordination:	No
Section 9 Bridge Permit:	No
ODNR	
Shore Structure Permit :	No

Remarks:

The waterway permit determination was submitted to ODOT Office of Environmental Services (OES) on December 12, 2019 for impacts to water resources. OES determined the project qualifies for a Nationwide Permit #3 Maintenance on January 10, 2020, a Preconstruction Notification was required. The Cuyahoga County and Contractor shall adhere to all appropriate Waterway Permit conditions throughout construction.

Are there any environmental commitments?	Yes
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Storm Water Permits

NPDES Construction General Permit for Stormwater (NOI):	No
Watershed Specific NPDES Construction General Permit for Stormwater (NOI):	No



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Remarks:

Construction of this project will likely require a total disturbance of approximately 0.58 acres of land surface. Because the proposed improvements will result in less than 1 acre of earth-disturbing construction activities a Notice of Intent (NOI) will not be needed for this project, per ODOT standard operating procedures, requesting coverage under a National Pollutant Discharge Elimination System (NPDES) general permit for storm water discharges from Ohio EPA.

Are there any environmental commitments? No

Floodplains

The proposed project involves encroachment within a Special Flood Hazard Area (SFHA) Yes

EO 11988/NFIP Coordination and Documentation Completed Yes

NFIP Local Floodplain Coordinator Notification Date 10/15/2019

Remarks:

The FIRM can be found in the project file under Permits/Floodplain

Based on review of the FEMA Flood Insurance Rate Map (FIRM) Community Panel 39035C0142E by Lawhon & Associates, Inc. on August 22, 2019, the project is located within a regulated floodplain.

Floodplain coordination was initiated on October 2, 2019.

ODOT Floodplain Statement of Findings was posted to the District 12 website on November 18, 2019. No comments were received.

ODOT standard procedures shall be followed to complete the floodplain permitting process prior to plan package being submitted.

Floodplain map and coordination may be found in the project file under Permits/Floodplain

Are there any environmental commitments? Yes

Landfills

Is a 2713 Permit required? No

Remarks:

Based upon ESA studies conducted by Lawhon & Associates, Inc. there are no landfills located within the project area. No permit is required.

Are there any environmental commitments? No



Environmental Commitments

General Project Information

- 1) The County will notify emergency services, and school districts at least 14 days in advance of lane closures.

ESA

1) The asbestos inspection determined that 170 square feet of asbestos is present on the structure Cuyahoga County 00193 0049 WD in excess of the regulatory limits and requires abatement. Cuyahoga County will provide the Asbestos Inspection Report containing the quantities and locations of the asbestos containing materials at the pre-construction meeting. A Licensed Hazard Evaluation Specialist will provide a partially completed Notification of Demolition and Renovation Form (NDRF) with the Asbestos Inspection Report. The Abatement Contractor shall complete the NDRF. Abate, transport, and dispose all asbestos containing material above allowable regulatory limits in accordance with all federal, state, and local regulations. Dispose the asbestos containing materials in a landfill licensed by the local health department and permitted by the Ohio Environmental Protection Agency - Division of Air Pollution Control to accept asbestos containing material. The removal and disposal of all asbestos containing material must comply with the Ohio Administrative Code (OAC) regulations and the National Emission Standard for Hazardous Air Pollutants (NESHAP) standard for asbestos. Electronic Submission: Submit a completed electronic Notification of Demolition and Renovation Form (NDRF), applicable fees, and the Asbestos Inspection Report to the OEPA at least 10 days prior to any demolition activity, renovation activity, or both. Submit the NDRF and payment along with the Asbestos Inspection Report using the OEPA eBusiness Center. Submit one electronic PDF copy and one hard copy of the NDRF to the Engineer. The Engineer will provide one copy to the District Environmental Staff. Hard Copy Submission: The Contractor may submit a hard copy of the completed NDRF and payment along with the Asbestos Inspection Report. Follow mailing instructions on the NDRF. Check with Local Health Department, Cuyahoga County Health Department, 216-201-2000 to determine if they require a hard copy submittal. Submit the completed NDRF to OEPA at least 10 days prior to demolition activity, renovation activity, or both. Retain two hard copies of the NDRF and submit one copy to the Engineer and one copy to District Environmental staff, Mark Carpenter, 216-584-2089. Basis of Payment Submit all documentation related to the abatement, transport, and disposal of asbestos containing materials to the Engineer within two weeks of completion. The Engineer will provide a copy of the documentation to the District Environmental Staff. Payment for this work shall be made at the bid price of lump sum. The following estimated quantity has been included in the general summary for the work noted above: 690E98400 Item Special - Misc.: Work Involving Asbestos Containing Materials - Lump Sum OR MOP 202 - Removal of Structures and Obstructions: Work Involving Asbestos Containing Materials - Lump Sum OR Other appropriate Pay Item

Cultural Resources

- 1) If any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence during construction of this project, immediately contact Miami Tribe of Oklahoma.
- 2) ODOT will ensure that Cuyahoga County will manufacture and install an interpretive display on or adjacent to the historic bridge (not to exceed \$5000.00). The display will document concrete rigid frame bridge technology and the significance of the existing bridge. The SHPO and any identified consulting parties will be provided an opportunity to review and comment on the text and renderings.
- 3) Upgraded crashworthy railings will be installed on the rehabilitated concrete rigid frame bridge. The new railings will feature a context-sensitive design. The concrete formliner will mimic the rustic park aesthetic of the existing stone ashlar on the railings. Mockups and the final design of the new railing will be shared with SHPO, ODOT-OES, ODOT District 12, and any identified consulting parties for review.



Ecological

1) The project is located within the known habitat ranges of the federally listed and protected Indiana bat and northern long-eared bat. The Contractor shall not remove trees under this project from April 1 through September 30. All necessary tree removal shall occur from October 1 through March 31. The Contractor shall demarcate clearing limits in the field to avoid any unauthorized tree clearing. This requirement is necessary to avoid and minimize impacts to these species as required by the Endangered Species Act. For the purposes of this note, a tree is defined as a live, dying, or dead woody plant, with a trunk three inches or greater in diameter at a height of 4.5 feet above the ground surface, and with a minimum height of 13 feet.

2) Evidence of colony nesting birds was observed on the substructure of the bridge over the Rocky River. One (or a combination) of the BMPs will be used to avoid harming adults or active nests. If avoidance is not possible, Cuyahoga County will apply for a take permit through the appropriate MBTA office. BMPs to avoid harming adults or active nests include: Conduct the work that would disturb the nests between August 31 and May 1; avoid any work that would disturb the active nests between May 1 and August 31; knock down inactive nests between August 31 and May 1 and prevent birds from nesting by blocking access or knocking down new nests before eggs are laid.

Section 4(f)

1) The Contractor shall maintain safe public access to Rocky River Reservation at all times during construction activities using alternative access points as needed.

2) The Contractor shall maintain safe public access to the All Purpose Trail, Bridle Trail, and Little Cedar Point Picnic Area at all times during construction activities.

3) To protect the Rocky River Reservation and the public, the Contractor shall install and maintain temporary construction fencing along the known boundaries of Rocky River Reservation within the project construction limits prior to the start of construction activities.

4) Prior to the start of construction activities, the Contractor shall install appropriate signage approved by the Engineer to alert Rocky River Reservation users of construction activities, access restrictions or closures, and to direct users to secondary park access points.

5) The Contractor shall not store or stage construction equipment or materials outside of proposed construction limits.

6) The Contractor shall obtain a construction permit from Cleveland Metroparks prior to any work within Rocky River Reservation.

7) The Contractor shall provide the construction schedule to Sean McDermott, Cleveland Metroparks at (216) 635- 3258; and Michael Dever, Cuyahoga County Department of Public Works at (216) 348-3800 30 days prior to the start of construction activities.

8) The Contractor shall fully restore and return to a condition which is at least as good as that which existed prior to the project, any land to be disturbed within the temporary right-of-way.

Permits - Waterway Permits

1) The Cuyahoga County and Contractor shall adhere to all appropriate Waterway Permit conditions throughout construction.

Permits - Floodplains

1) The Cuyahoga County shall obtain the floodplain permit prior to the start of construction.



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Preparers and Approvals

Form Preparer:

Jessica Stratigakos
Lawhon & Associates, Inc
7650 Chippewa Road, Suite 311, Brecksville OH 44141
440-838-0777
jstratigakos@Lawhon-assoc.com

Supporting Form Preparer(s):

Libby Rushley
Thomas Powell

Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Mark Carpenter (TRANS ENGR 3)	8/20/2020



Appendix

Cultural Resources

ACHP Response.pdf

General

Aerial Map.pdf

Cultural Resources

Consulting Party Application.pdf

Consulting Party Coordination.pdf

Consulting Party Meeting Minutes.mp4

Ecological

Coordination with ODNR and USFWS.pdf

General

Correspondence Related to Utility Coordination.pdf

Correspondence with Emergency and Public Services.pdf

County Map.pdf

Cultural Resources

Executed MOA-MOU-PA.pdf

Alternatives

Feasibility Study Revised.pdf

Cultural Resources

Historic Bridge Inventory Report.pdf

Alternatives

Historic Bridge Management Plan.pdf

Cultural Resources

Historic Bridge Survey Form.pdf

OES Response to Agency Comments - Cultural.pdf

ESA

RMR Approval by District.pdf

Cultural Resources

SHPO Comments



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SHPO Comments 2.pdf

SHPO Comments.pdf

Transmittal 1 - Effect Determination

Transmittal 2 - Effect Determination Re-evaluation

Transmittal 3 - History Architecture Evaluation

Transmittal 4 - Effect Determination

Transmittal 5 - Effect Determination Re-evaluation

Transmittal 6 -

Tribal Comments.pdf

Tribal Consultation

Other Resources

Urbanized Area Map.pdf

Ecological

USFWS Comments Consult Form CUY-Cedar Pt Rd.pdf

General

USGS Quadrangle Topographical Map.pdf

Other Resources

Water Source Protection Area Map.pdf

Well Log Data.pdf

Underserved Populations

Census Mapping.pdf

Permits

Coordination with Local Floodplain Administrator.pdf

FEMA FIRM.pdf

Letter of Compliance - ODOT Form LD-51.pdf

Section 6(f)

LWCF Grant Listing.pdf

ODNR Coordination with NPS - Maintenance.pdf

OES Approval - Maintenance.pdf

Section 4(f)

OES Cultural Resources 4(f) Determination.pdf

OES Recreational 4(f) Determination.pdf



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Public Involvement

Press Release.pdf

Public Involvement Plan.pdf

Permits

Statement of Findings.pdf

Underserved Populations

Underserved Populations Documentation Form.docx