



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

CUY West 227th St Bridge PID 113556

Environmental Document Level: C2

Approved: 5/4/2022

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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 December 14, 2020, and executed by FHWA and ODOT.

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PID: 113556
Project Sponsor: FAIRVIEW PARK; CITY OF
ODOT District: 12
Funding Source: Federal
Private Funding: No

Project Description:

The City of Fairview Park in cooperation with the Ohio Department of Transportation (ODOT) proposes to replace the deficient bridge on W 227th Street over Coe Creek in the city, Cuyahoga County. The existing corrugated metal plate arch on concrete foundations will be replaced with a precast, prestressed concrete three sided box culvert on reinforced concrete abutments on spread footings.

No permanent or temporary right-of-way is required for this project. Utility impacts are likely.

Construction will require closure of W 227th Street for up to 60 days. Traffic will be maintained via a detour.

One stream (Coe Creek) will have approximately 211 linear feet of impact due to the bridge rehabilitation and will require USACE permit. Approximately 0.017 acres of two wetlands will be impacted.

Approximately 0.1 acres of suitable wooded habitat (SWH) for the federally protected Indiana bat and northern long-eared bat, and state protected tricolored bat and little brown bat will be impacted. Of the SWH impacted by the project, 0.09 acres are within 100' EOP and 0.01 acres are between 100' to 300' EOP and located within 50' of a perennial stream. The project is not located within a USFWS bat buffer zone. The project will not affect these species. There is no suitable habitat for any other federally or state listed species within the project area. The city has made the determination to proceed with the project as currently designed.

The project is not located in a regulated floodplain, therefore no coordination is required.

No other environmental, cultural resources, hazardous materials, Section 4(f)/6(f), or underserved population impacts will result from this project.

Letters were sent to adjacent property owners on May 27, 2021; and an email was sent to local safety services, and school district on March 14, 2022 to provide project information and an opportunity to comment on the project. No comments were received.

The environmental document and associated studies are being approved using Stage 1 design. A copy of the plans is included in the project file.

STIP Reference #: 113556: 21-24 STIP

Select the appropriate project type:

(28) Bridge rehabilitation, reconstruction, or replacement or the construction of grade separation to replace existing at-grade railroad crossings, if the actions meet the constraints in 23 CFR 771.117(e). *Examples include: Railroad projects that close or relocate at-grade crossings*

In accordance with 23 CFR 771.117(e), the proposed project cannot be processed as a C2 CE, if it involves -



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1. a. Acquisition of more than a minor amount of right-of-way
2. b. Residential or non-residential displacements
3. c. A Coast Guard, Individual Section 404 and/or a Section 10 permit
4. d. A Section 106 finding of *Adverse Effect*
5. e. A Section 4(f) Programmatic or Individual Evaluation
6. f. A finding of *May Affect, Likely to Adversely Affect* to Threatened and Endangered Species
7. g. Construction of temporary access, or the closure of existing road, bridge, or ramps, that would result in major traffic disruptions
8. h. Changes in access control
9. i. Floodplain encroachment other than functionally dependent uses (e.g., bridges, wetlands) or actions that facilitate open space use (e.g., recreational trails, bicycle and pedestrian paths)
10. j. Construction activities in, across or adjacent to a river component designated or proposed for inclusion in the National System of Wild and Scenic Rivers
11. k. No minor public or agency controversy on environmental grounds (no opposition from any organized groups or agencies and no unresolved environmental coordination)
12. l. If an EJ Analysis Report is required, the project must be processed as a D-level CE or higher level document

For certification purposes, documentation is required to illustrate no significant impacts will occur to the following environmental resources and that no unusual circumstances exist that would warrant a higher level of NEPA document. Upload all supporting documentation to the project file.

Waterways:	Present; No Coast Guard, Individual 404, and/or Section 10 Permit required
Waterways Permit Type:	Permit Determination and/or Permit Application Approval Pending
Isolated Wetland Permit	No
Will any wetlands be impacted?	Yes
Endangered Species:	No Impacts to Protected Species and Critical Habitat
100-Year Floodplain:	No Encroachment Within a Special Flood Hazard Area (SFHA)
Section 4(f):	Not present
Section 6(f):	Not present
Cultural Resources:	Present; No Finding of Adverse Effect
Cultural Resources Coordination:	Minimum Potential to Cause Effect Appendix B
Cultural Resources Coordination - ODOT Approval/SHPO Concurrence Date	01/04/2022



Since no Tribe was interested in this project based on their customized preferences, no further Tribal consultation was conducted.

Projects that meet C2 criteria are not anticipated to have impacts to the following environmental resources. If resources are present, documentation is only required if there is a potential for impacts.

Air Quality: Studies Not Required

Air Quality - Coordination with OES: No

Noise: Studies Not Required

Noise Coordination - OES Approval Date: 04/11/2022

Hazardous Materials - ESA Screening Conducted Yes

Hazardous Materials - OES Approval Date: 03/14/2022

Phase I ESA Warranted Based on Coordination with OES: No Further Studies Warranted

Farmland: Urbanized Area; No Impacts in Accordance With the Farmland MOU and 7 CFR 658

Scenic Rivers No National Wild and Scenic River Within 1000 Feet of the Proposed Project Area

Projects that meet C2 criteria must be in accordance with ODOT's UP Guidance and activities conducted for Public Involvement are commensurate to the project's type and scope of work.

Underserved Populations Present; No UPIAR Required, Does Not Exceed UP Guidance Criteria, and No Issues Raised During Public Involvement

Identified Underserved Populations

Census Block Group #	% Minority	% Low Income	% Older Adults	% Limited English Proficiency (LEP)
390351531032	5	33	23	2

Underserved Populations Remarks

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.

Public Involvement: Minimum PI Requirements Met; No Minor Public or Agency Controversy on Environmental Grounds

Environmental Commitments Yes



Ecological

Wetlands

ESR Name:	Wetland ID:	Hydrologic connection:	Wetland category:	Estimated total size (ac.):	Total estimated impact area by alternative (ac.):
CUY-W 227th St Bridge	Wetland A	Adjacent	Category 2	0.004	0.004
	Wetland B	Adjacent	Category 2	0.03	0.013

Has an Approved and/or Preliminary Jurisdictional Determination been made by the USACE? No

Total impact to all wetlands (ac.): 0.017

Total acres of non-isolated wetlands impacted: 0.017

Total acres of isolated wetlands impacted: 0

In accordance with Executive Order 11990 - USDOT Order 5660.1A, this Wetland Finding has been prepared to document that wetlands have been avoided to the extent possible to minimize the long and short term adverse impacts associated with the destruction or modification of wetlands, and to document that there are no practicable alternatives to avoid construction in wetlands.

An analysis of the 'Do Nothing' alternative indicates that it is not practicable because (check all that apply):

It Would Not Correct Safety Hazards.

It Would Not Correct Existing Condition and Maintenance Problems.

An analysis of improvements that avoid all wetland impacts indicates that they are not practicable because (check all that apply):

They Will Substantially Increase Project Costs.

They Will Result in Unique Engineering, Traffic, Maintenance, or Safety Problems.

They Will Not Meet the Identified Needs of the Project.

Include justification supporting the decisions noted above:

The purpose of the Ohio Bridge Partnership Program Project, replacing a local bridge on West 227th (SFN 1860015; CUY-M-26446) over Coe Creek in the City of Fairview Park is to provide operation and safety improvements. The proposed improvements include replacement of a 23 feet single span corrugated multi-



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plate arch under fill on concrete abutments carrying two lanes of traffic and sidewalks. The bridge is skewed 30 degrees left forward and the skew length is 64 feet, replacing the bridge will correct existing condition and maintenance problems. The replacement of the bridge will impact Wetlands A and B as outlined in the Level 1 ESR. Changing the design will not meet the identified needs of the project or correct safety hazards and will result in a substantial increase in project costs.

All practicable measures have been considered and incorporated into the project design to avoid, minimize, wetland impacts. The wetland impact minimization measures that will be followed for the project are documented in the environmental commitments for the project. Wetland mitigation for unavoidable impacts will be provided if required by the Clean Water Act or Ohio isolated wetland law, as regulated by the US Army Corps of Engineers and Ohio EPA regulations (33 CFR parts 325 and 332 and 40 CFR part 230, and OAC 3745-01-54), and (ORC 6111.027). No practicable alternatives exist for the proposed construction in wetlands, and the proposed action includes all practicable measures to minimize harm to the wetlands that may result from such use.

Remarks:

During the design phase, impacts to wetlands have been minimized as much as possible. All practicable measures will be implemented to avoid additional wetland impacts during the construction of this project.



Environmental Commitments

C2

1) ASBESTOS NOTIFICATION

A CERTIFIED ASBESTOS HAZARD EVALUATION SPECIALIST SURVEYED THE BRIDGE STRUCTURE SCHEDULED FOR DEMOLITION AND/OR REHABILITATION; THE SURVEY DETERMINED THAT NO ASBESTOS IS PRESENT ON THE BRIDGE STRUCTURE.

ODOT SHALL PROVIDE A COPY OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) NOTIFICATION OF DEMOLITION AND RENOVATION FORM, PARTIALLY COMPLETED AND SIGNED BY THE BRIDGE OWNER, TO THE SUCCESSFUL BIDDER. THE CONTRACTOR SHALL COMPLETE THE FORM AND SUBMIT IT TO ONE OF THE ADDRESSES BELOW AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION AND/OR RENOVATION.

ASBESTOS PROGRAM

OHIO EPA, DAPC

P.O. BOX 1049

COLUMBUS, OH 43216-1049 OR ASBESTOS PROGRAM

OHIO EPA, DAPC

50 W. TOWN ST., SUITE 700

COLUMBUS, OH 43215

THE CONTRACTOR SHALL PROVIDE A COPY OF THE COMPLETED FORM TO THE ENGINEER AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION AND/OR RENOVATION. THE FORM SHALL INCLUDE: 1) THE CONTRACTORS NAME AND ADDRESS, 2) THE SCHEDULED DATES FOR THE START AND COMPLETION OF THE BRIDGE REMOVAL AND 3) A DESCRIPTION OF THE PLANNED DEMOLITION WORK AND THE METHOD(S) TO BE USED. COPIES OF THE OEPA FORM AND BRIDGE INSPECTION REPORT ARE AVAILABLE FOR REVIEW AT THE ODOT DISTRICT 12 OFFICE, 5500 TRANSPORTATION BOULEVARD, GAFFLED HEIGHTS, OHIO 44125.

BASIS FOR PAYMENT THE CONTRACTOR SHALL FURNISH ALL FEES, LABOR, AND MATERIAL NECESSARY TO COMPLETE AND SUBMIT THE OEPA NOTIFICATION FORM. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN: ITEM 202 PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

2) The city of Fairview Park will obtain all appropriate waterway permits prior to any work within the jurisdictional boundary of any waterway, including wetlands, and all applicable waterway permits will be included in the plans and adhered to during construction.

3) The Project Designer shall incorporate the following note into the plans: NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO FEDERALLY AND STATE LISTED BAT SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSE 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.



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Preparers and Approvals

Form Preparer: Jessica Stratigakos
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Supporting Form Preparer(s): Corey Czinger

Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Mark Carpenter (TRANS ENGR 3)	5/4/2022



Appendix

General

Aerial Map.pdf

County Map.pdf

USGS Quadrangle Topographical Map.pdf

ESA

OEPA Demolition and Renovation Notification Form.docx

OES Approval of RMR Screening - NFA.pdf

Project Related OES Decision - ESA.pdf

Cultural Resources

Minimal Potential to Cause Effect - Appendix B

Ecological

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions

Other Resources

Urbanized Area Map.pdf

Water Source Protection Area Map.pdf

Well Log Data.pdf

Underserved Populations

Census Mapping.pdf

Public Involvement

News Article 3-12-2021 Clevelanddotcom.pdf

Property Owner Notification Letter.pdf

Public Notification Mailing List.pdf

Stakeholder Notification - EMS.pdf

Stakeholder Notification - Schools.pdf

Permits

FEMA FIRM.pdf