



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

LAK US 006 02.06 Super PID 112996

Environmental Document Level: C2

Approved: 1/3/2025

Prepared By: District 12

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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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Project Information

PID: 112996
Project Sponsor: ODOT SPONSORING AGENCY
ODOT District: 12
Funding Source: Federal

C2 Section

Project Description:

Replace the superstructure of the Chardon Road (US-6) bridge over IR-271 in the City of Willoughby Hills. Work will include pier column replacement.

The project will also include bridge painting for the IR-271 northbound bridge to IR-90 westbound. The bridge painting will not impact cultural resource, ecological resources or involve regulated materials. Mapping for the bridge painting is in the Project File section.

Permanent right-of-way is required for this project. Utility impacts are being coordinated.

There is no work in streams, wetlands, or pollinator initiative sites. Tree removal will be required for the project, however, no SWH will be removed.

The project is not located within a regulated floodplain. Therefore, no further coordination is required.

A Regulated Materials Review (RMR) Screening was prepared. The project will have permanent right-of-way, has deep excavation, and is not within 300 feet of a landfill buffer. Regulated Materials Review Screening was completed on 11/26/24. Based on findings, no further Regulated Materials Review is required. Thomas Sorge Jr., District Environmental Coordinator, approved Regulated Materials Review on 11/26/2024. RMR documentation for the project in the RMR documentation for the project in the Project File/RMR/Reports subsection.

An asbestos survey was conducted on January 31, 2023 which identified asbestos containing materials (ACM) on the parts of the bridge. The ACM report is in the Project file/ ESA/Reports.

Cultural Resources Coordination: There are no known archaeological sites recorded within or adjacent to the project and the project passes through a developed urban setting. Consequently, no additional archaeological investigations are warranted. No history/architecture resources listed in, or eligible for, inclusion in the National Register of Historic Places (NRHP) are located adjacent to the proposed project. The project is in accordance with Appendix B of the Section 106 Programmatic Agreement.

Cultural Resources Coordination was completed approved by ODOT OES on 12/11/2024.

Public Involvement Coordination: Letters were sent to residents regarding the project on 10/13/2023. No comments were received. See the public involvement documentation for the project in the Project File/Public Involvement/Project Information subsection.

Construction: \$6,900,00.00: 90% federal and 10% state.

The environmental document and associated studies are being approved using Stage 2 Design Plans.

The next phase of the proposed project is listed on the STIP: Yes

Ellis STIP Details



Phase	Current STIP Reference
ENV	On Previous STIP
RW	112996: 24-27 STIP
CO	112996: 24-27 STIP
DD	112996: 24-27 STIP

The current cost estimate is in line with existing federal procedures for Ohio STIP Amendments and Administration Modifications: Yes

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 -

1. **a.** Acquisition of more than a minor amount of ROW (exceeds strip takes)
2. **b.** Residential or non-residential displacements
3. **c.** A U.S. Coast Guard permit or an Individual Section 404 permit under the Clean Water Act
4. **d.** A Section 106 finding of *Adverse Effect*
5. **e.** Section 4(f) impacts greater than de minimis
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.** A full Environmental Justice Analysis Report (EJAR) is required (the project must be processed as a D-level CE or higher-level document). If a memo-to-file/letter/IOC-format EJAR Short Report is determined to be the appropriate level of documentation, contact OES regarding NEPA document level.

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.

Ecological

Waterways:

Not Present

Will any wetlands be impacted?

No



Endangered Species:

No Impacts to Protected Species and
Critical Habitat

Scenic Rivers

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

Scenic Rivers Remarks

The closest scenic river, the Chagrin River, is approximately 9,000 feet from the Project Area to the southwest.

Floodplains

100-Year Floodplain:

No Encroachment Within a Special
Flood Hazard Area (SFHA)

Floodplain Remarks

Project area is completely within Floodplain Zone X.

Section 4(f)

Section 4(f):

Not present

Section 4(f) Remarks

No Section 4(f) properties were identified within the project area.

Section 6(f)

Section 6(f):

Not present

Cultural Resources

Cultural Resources:

Not Present

**Cultural Resources Coordination - ODOT Approval/SHPO
Concurrence Date**

12/11/2024

Cultural Resources Remarks



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The undertaking will complete spot coating of the steel on the LAK-90-2.43R bridge over I-271 and replace the LAK-271-1.04 bridge superstructure carrying Chardon Road (SR 6) over the interstate highway. Both bridges are located in the City of Willoughby Hills, Lake County, Ohio. Work at the LAK-90 bridge will be limited to the existing right-of-way. However, a triangular area measuring about 166 feet east to west by 34 feet north to south (0.065 acre) will be required to provide access during to complete the work. This area is found immediately northwest of the SR 6 overpass structure. Beyond the construction area and the area of potential effects (APE), there are modern housing isolated from the project by existing utility easements where major powerlines are found. The project will not involve any buildings, and no relocations will be required.

The literature search concluded there are no inventoried buildings (OHI), no known archaeological sites (OAI), and no listed or eligible historic properties found in the project area or in the area of potential effects (APE). The existing bridges (LAK-90-2.43 -- SFN 4303482 and LAK-271-1.04 -- SFN 4305434) are Type 402N Steel Continuous Multi-beam structures built in 1963 (LAK-90-2.43) and 1962 (LAK-271-1.04). TIMS mapping indicates the two bridges are not historic and the structures are not considered eligible for the National Register based on the Ohio DOT Historic Bridge Inventory (accepted April 28, 2010). The replacement of non-historic bridges and minor widening project less than a full travel lane are activities which are exempt from further cultural resource consideration by the 6/29/23 Cultural Resource PA (Agreement 38503), if the project is not within the boundaries of any historic property or N. R. district.

Environmental Resources Considered

The following environmental resources are present and have been studied for potential impacts:

Noise

Regulated Materials

Farmland

Air Remarks

The project type of 'rehabilitating bridges' is considered insignificant from an air quality conformity perspective, as per 40 CFR 93.126. Therefore, the project is exempt from air quality coordination.

Noise: Studies Not Required

Noise - Coordination with OES No

Noise Remarks

- The project will not involve:
- constructing or altering a highway
- increasing the number of through-traffic or auxiliary lanes
- negatively affecting a shielding of a roadway
- adding or altering road amenities or change vehicle mix.

A noise wall currently extends on the west side of I-271 under and south of the Chardon Rd bridge.

The project involves ROW acquisition, Deep Excavation, or OEPA 513 Landfill Authorization: Yes - Screening

Regulated Materials Review Screening:

Plan Note Required

Regulated Materials Review Screening - DEC/OES Approval Date: 11/26/2024

Regulated Materials Review Remarks:



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The RMR Screening was approved by Thomas K. Sorge Jr., District Environmental Coordinator, on 11/26/24. No further special material handling or further investigations are warranted.

Farmland:

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

Environmental Justice

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

Environmental Justice Populations

Present; No EJAR Required, Does Not Exceed EJ Guidance Criteria, and No Issues Raised During Public Involvement

Identified Environmental Justice Populations

Census Block Group #	% Minority	% Low Income
390852010003	9	12
390852010004	10	12

Environmental Justice Remarks

Based on mapping from TIMS, the minority populations are between 29% to 67% for the US Census Block Groups located within the project area and between 18% to 26% of the population is designated as low income.

The proposed project will have no disproportionately high and adverse effects to minority or low-income populations or disparate impacts based upon the table above, the attached mapping, and the answers to the questions above. No concerns related to impacts on Environmental Justice 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, DOT Order 5610.2(a), and FHWA Order 6640.23A, no further analysis is required.

Based on the above findings an Environmental Justice Analysis Report (EJAR) is not required.

The Census mapping may be found in the Project File under Environmental Justice.

EJ Screen Conducted on 11/27/2024 and uploaded to Project File>EJ>Project Information> EJScreen/ACS demographic Summary

Public Involvement

Public Involvement:

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

Public Involvement Remarks

Public Involvement Coordination: Letters were sent to residents regarding the project on 10/13/2023. No comments were received. See the public involvement documentation for the project in the Project File/Public Involvement/Project Information subsection.

ODOT is proceeding with the plan as designed.

Environmental Commitments



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Yes



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Environmental Commitments

C2

1) 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

District 12
Contact: Mark Carpenter
216-584-2089
Mark.Carpenter@dot.ohio.gov

Supporting Form Preparer(s): Thomas Sorge

Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Thomas Sorge (PROGRAM ADMIN 3)	1/3/2025



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Appendix

Cultural Resources

Minimal Potential to Cause Effect - Appendix B

Ecological

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions