



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

CUY SR 043 04.80 Replace PID 117649

Environmental Document Level: C2

Approved: 7/18/2025

Prepared By: District 12

Corey Czinger

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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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C2

Project Information

PID:	117649
Project Sponsor:	ODOT Sponsoring Agency
ODOT District:	12
Funding Source:	Federal

C2 Section

Project Description:



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Replace the Aurora Road (SR-43) bridge over Baldwin Creek located 0.22 miles east of Harper Road in the City of Solon.

Permanent ROW is required for this project, 0.035 acres. Utility impacts are likely.

Construction will require Maintenance of Traffic Plan (MOT).

Ecological impacts. Stream 1 (Beaver Meadow Run), perennial, WWH; 102 feet located in the Study Area, 102 feet of impacts. Stream 1 will be impacted based on construction access to replace the bridge and place rock channel protection. No bat habitat tree removal for this entire project, bat coordination not required. There is no suitable habitat for any other federally or state listed species within the project areas. ODOT has made the determination to proceed with the project as currently designed. All practicable measures have been considered and incorporated into the project design to minimize the impacts to Stream 1 as best as possible. Permit Determination Request (PDR) is pending.

Cultural Resources - The undertaking is limited to a bridge replacement and approach work along Aurora Road (SR 43) in the City of Solon, Cuyahoga County, Ohio where the roadway crosses Baldwin Creek. The setting is an urbanized area composed of modern commercial structures. The current bridge will be replaced in-kind by a precast concrete box culvert. The new structure will be placed on the existing line and grade. The work will focus on the existing right-of-way. However, minor permanent right-of-way will be required but will only be taken from floodplain and the stream channel areas disturbed by stream erosion, channelization, and utility installation. 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). This existing bridge (SFN 1803379) is a Type 107N Concrete Frame box culvert built 1992. TIMS mapping indicates the bridge is not historic and the structure was not considered eligible for the National Register based on the Ohio DOT Historic Bridge Inventory (accepted April 28, 2010). Non-historic bridge replacement requiring minor additional right-of-way is an activity which is 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.

The project is located in a regulated floodplain, Zone AE, therefore coordination was required. Mannik & Smith Inc. sent out an email on 07/11/24 to John Busch, City of Solon Floodplain Coordinator supplying Aerial Map, FEMA map, Letter of Notification of SFHA Exemption (LD-53), and Plans. Floodplain Coordination can be found in the Project File under Permits/Floodplain.

Regulated Materials Review Screening was prepared by Corey Czinger, Environmental Specialist. Based on findings, no further Regulated Materials Review is required. Corey Czinger, Environmental Specialist, approved Regulated Materials Review on 05/20/2025.

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

Property Notification Letters were sent out on 05/30/25 by Mannik & Smith Inc. No responses were received. The Property Notification Letters can be found in the Project File under Public Involvement/Project Information. ODOT has determined to proceed with the project as currently designed.

Construction: \$1,045,000.00: 80% federal and 20% state.

The project has been designed by Mannik & Smith Inc.

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

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	117649: 26-29 STIP
CO	117649: 26-29 STIP
DD	



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:	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?	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

No scenic rivers within 1000-feet of the project.

Floodplains

100-Year Floodplain:

No Encroachment Within a Special
 Flood Hazard Area (SFHA)

Floodplain Remarks

The project is located in a regulated floodplain, Zone AE, therefore coordination was required. Mannik & Smith Inc. sent out an email on 07/11/24 to John Busch, City of Solon Floodplain Coordinator supplying Aerial Map, FEMA map, Letter of Notification of SFHA Exemption (LD-53), and Plans. Floodplain Coordination can be found in the Project File under Permits/Floodplain. Floodplain Coordination can be found in the Project File under Permits/Floodplain.

Section 4(f)

Section 4(f):

Not present

Section 4(f) Remarks

No Section 4(f) resources are present within the project area.

Section 6(f)

Section 6(f):

Not present

Cultural Resources

Cultural Resources:

Present; No Finding of Adverse
 Effect

Cultural Resources Coordination:

No Historic Properties Affected

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

05/12/2025

Cultural Resources Remarks



Approved: 7/18/2025

Cultural Resources - The undertaking is limited to a bridge replacement and approach work along Aurora Road (SR 43) in the City of Solon, Cuyahoga County, Ohio where the roadway crosses Baldwin Creek. The setting is an urbanized area composed of modern commercial structures. The current bridge will be replaced in-kind by a precast concrete box culvert. The new structure will be placed on the existing line and grade. The work will focus on the existing right-of-way. However, minor permanent right-of-way will be required but will only be taken from floodplain and the stream channel areas disturbed by stream erosion, channelization, and utility installation. 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). This existing bridge (SFN 1803379) is a Type 107N Concrete Frame box culvert built 1992. TIMS mapping indicates the bridge is not historic and the structure was not considered eligible for the National Register based on the Ohio DOT Historic Bridge Inventory (accepted April 28, 2010). Non-historic bridge replacement requiring minor additional right-of-way is an activity which is 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.

**Tribal Consultation
Summary/Remarks:**

No comments received.

Environmental Resources Considered

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

Noise

Regulated Materials

Air Remarks

The project type of 'replace the Aurora Road (SR-43) bridge over Baldwin Creek located 0.22 miles east of Harper Road in the City of Solon in Cuyahoga County' 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 is a replacement of the Aurora Road (SR-43) bridge over Baldwin Creek located 0.22 miles east of Harper Road in the City of Solon in Cuyahoga County project. The project will not increase the traffic or traffic noise. Therefore, no noise analysis is required. The No Noise Analysis Required District Determination can be found in the Project File Under Noise/Project Information. District approval date 05/06/25.

**The project involves ROW acquisition, Deep Excavation, or OEPA
513 Landfill Authorization:**

Yes - Screening

Regulated Materials Review Screening:

No Further Regulated Materials Review

Regulated Materials Review Screening - DEC/OES Approval Date:

05/20/2025

Regulated Materials Review Remarks:

Regulated Materials Review Screening was prepared by Corey Czinger, Environmental Specialist. Based on findings, no further Regulated Materials Review is required. Corey Czinger, Environmental Specialist, approved Regulated Materials Review on 05/20/2025.



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
N/A	N/A	N/A

Environmental Justice Remarks

As of January 21, 2025, EO 12898 was revoked. Therefore, no discussion and/or analysis specific to Environmental Justice Populations (Minority & Low-Income) will be provided in the Environmental Analysis. Instead, any potential impacts will be addressed through the Public Involvement Process.

Public Involvement

Public Involvement:

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

Public Involvement Remarks

Property Notification Letters were sent out on 05/30/25 by Mannik & Smith Inc. No responses were received. The Property Notification Letters can be found in the Project File under Public Involvement/Project Information. ODOT has determined to proceed with the project as currently designed.

Environmental Commitments

Environmental Commitments

Yes



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.

2) Tree Removal AMM 1: Modify all phases/aspects of the project (e.g., temporary work areas, alignments) to avoid tree removal in excess of what is required to implement the project safely.

3) Tree Removal AMM 3. Ensure tree removal is limited to that specified in project plans by clearly marking clearing limits. Ensure that contractors understand clearing limits and how they are marked in the field.



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Preparers and Approvals

Form Preparer

District 12
Contact: Corey Czinger
Corey.Czinger@dot.ohio.gov

Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Thomas Sorge (PROGRAM ADMIN 3)	7/18/2025



Appendix

General

Aerial Map.pdf

County Map.pdf

USGS Quadrangle Topographical Map.pdf

RMR

OES Review - Asbestos.pdf

Cultural Resources

Minimal Potential to Cause Effect - Appendix B

Records Check.pdf

Ecological

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions

Public Involvement

Property Owner Notification Letter.pdf

Permits

Coordination with Local Floodplain Administrator.pdf

FEMA FIRM.pdf