



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 04
2088 SOUTH ARLINGTON RD. • AKRON, OH 44306 • 330-786-3100

Environmental Document

for

SUM SR 0008 15.75 PID 102330

Environmental Document Level: C2

Approved: 10/17/2024

Prepared By: Mike Krokono

EMH&T, Inc.

Phone: 614-775-4500

E-mail: mkrokono@emht.com

District Contact: Edward Deley

Phone: 330-786-4930

E-mail: Edward.Deley@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 December 14, 2020, and executed by FHWA and ODOT.

Table of Contents

C2.....	3
Environmental Commitments.....	9
Preparers and Approvals.....	10
Appendix.....	11



C2

Project Information

PID:	102330
Project Sponsor:	DISTRICT 4-PLANNING
ODOT District:	4
Funding Source:	Federal

C2 Section

Project Description:

The Ohio Department of Transportation (ODOT) proposes to complete pavement resurfacing along 2.35 miles of State Route (SR) 8 from Straight Line Mile (SLM) 15.75 to SLM 18.10 and perform minor rehabilitation of eight (8) structures in the city of Macedonia and in Northfield Center, Boston and Twinsburg Townships, Summit County, Ohio. The project also includes repairs associated with a 01/27/2024 tanker truck crash.

Proposed work at the following bridge structures:

- SUM-271-11.850B/Structure File Number (SFN) 7700792: Improvements to the existing 770-foot-long 5-span steel continuous multi-beam bridge that carries Interstate Route (IR) 271 southbound to SR 8 south over Highland Road and Indian Creek include sealing the deck with gravity fed resin, patching the concrete deck, sealing the concrete railing, and clearing and grubbing all vegetation within 15' of the structure.
- SUM-SR 8-16.358/SFN 7700717: Improvements to the existing 70-foot-long single-span prestressed concrete multi-beam bridge that carries SR 8 over Twinsburg Road include sealing the deck with gravity fed resin, sealing the concrete railing, and clearing and grubbing all vegetation within 15' of the structure.
- SUM-SR 8-17.210R/SFN 7700709: Improvements to the existing 72-foot-long 3-span concrete continuous slab bridge that carries SR 8 northbound over Brandywine Creek include sealing the deck with gravity fed resin, patching and sealing the substructure, and clearing and grubbing all vegetation within 15' of the structure. Channel cleanout is no longer needed for this structure, due to the Ohio EPA's abatement efforts related to the fuel spill resulting from the tanker truck crash on 01/27/2024.
- SUM-SR 8-17.221L/SFN 7700806: Improvements to the existing 72-foot-long 3-span concrete slab bridge which carries SR 8 southbound over Brandywine Creek include sealing the deck with gravity fed resin, patching and sealing the substructure, and clearing and grubbing all vegetation within 15' of the structure. Additional proposed work related to repairing damage caused by the 01/27/2024 tanker truck crash includes removing soot from the rear abutment, piers, deck underside, and left deck edge; patching and sealing the rear abutment, left deck edge, and wingwall at the rear left corner of the bridge; and repairing the guardrail and bridge terminal assembly at the rear right corner of the bridge. Channel cleanout is no longer needed for this structure, due to the Ohio EPA's abatement efforts related to the fuel spill resulting from the tanker truck crash on 01/27/2024.
- SUM-SR 8-17.720/SFN 7700725: Improvements to the existing 33-foot-long twin steel culverts which carry SR 8 over Indian Creek include overlaying the deck with asphalt, patching and sealing the substructure, channel clean out, placement of rock-channel protection at the inlet and outlet, and clearing and grubbing all vegetation within 15' of the structure.
- SUM-8-17.090A/SFN 7700768: Improvements to the existing 950-foot-long 6-span steel continuous multi-beam bridge that carries SR 8 northbound to IR 271 north over SR 8 and Brandywine Creek include sealing the deck with gravity fed resin, patching the concrete deck, and patching and sealing the concrete railing. Additional proposed work related to repairing damage caused by the 01/27/2024 tanker truck crash includes removing soot off the abutments, piers, deck underside, parapets, girders, crossframes, and noise wall; patching and sealing the concrete railing; patching Piers 4 and 5; resealing Piers 4 and 5, the forward abutment, and



Environmental Document Level: C2

PID 102330 SUM SR 0008 15.75

Approved: 10/17/2024

the right parapet; replacing damaged panels of fiberglass wall attached to the left parapet; replacing the light pole on the right parapet; and spot painting girders.

7. SUM-8-17.240B/SFN 7700784: Improvements to the existing 123-foot-long single-span steel multi-beam bridge that carries IR 271 southbound to SR 8 south over Brandywine Creek include sealing the deck with gravity fed resin, sealing the concrete railing, and clearing and grubbing all vegetation within 15' of the structure. Additional proposed work related to repairing damage caused by the 01/27/2024 tanker truck crash includes removing soot off the abutments, piers, deck underside, right parapet, girders, crossframes, and noise wall; patching and sealing the concrete railing; resealing the abutments; replacing damaged panels of fiberglass wall attached to the left parapet; and spot painting the fascia beams.

8. SUM-8-17.58A/SFN 7700776: Improvements to the existing 795-foot-long 5-span steel continuous multi-beam bridge that carries SR 8 southbound to IR 271 north over Highland Road and Indian Creek include sealing the deck with gravity fed resin, sealing the concrete railing, and clearing and grubbing all vegetation within 15' of the structure.

Construction is currently scheduled to begin in April 2025 and last approximately 7 months.

Mapping that depicts the project location on United States Geological Survey (USGS) 7.5-Minute Topographic Quadrangle Mapping is included in Project File/General/Project Information as USGS Quadrangle Topographical Map.pdf.

A minimum of one lane of traffic in each direction will be maintained during construction. Road closures and detours are not proposed to construct the project. Construction and lane restriction/reduction information will be posted within the project construction limits prior to the start of project construction. Access shall be maintained to all adjacent properties, businesses and grade separated/intersecting roadways during project construction. Substantial traffic disruptions are not expected during project construction. Based on the project scope of work and the proposed maintenance of traffic measures, emergency and public services contact activities were not conducted for the project.

Project construction will not involve the acquisition of temporary or permanent right-of-way. All work will remain within existing right-of-way. Existing utilities will not be impacted/relocated to construct the project.

A Level 1 Ecological Survey Report was completed for impacts related to the two SR 8 bridge structures over Brandywine Creek and the Indian Creek culverts (SUM-SR 8-17.210/SFN 7700709; SUM-SR 8-17.221/SFN 7700806; and SUM-SR 8-17.720/SFN 7700725). An Ecologically Exempt Survey Report was completed for the remainder of the project area. Approximately 306 linear feet of Indian Creek is proposed to be impacted by this project for culvert cleanout and placement of rock channel protection at the culvert inlet and outlet. The project will not impact Brandywine Creek. No channel cleanout or mussel survey is needed for Brandywine Creek following the Ohio EPA's abatement efforts related to the 01/27/2024 tanker truck crash and subsequent diesel fuel spill. A total of 0.1-acre of impact to potential suitable wooded habitat for the federally-listed Indiana bat, northern long-eared bat, and proposed tri-colored bat, and the state-listed little brown bat is expected within 100-feet of the edge of pavement. ODOT commits to implement cutting of trees only during the seasonal tree-clearing window (October 1st - March 31st) to minimize impacts to listed bat species. See the ecological documentation for the project in the Project File/Ecological/Reports and Project Information subsections and the Ecological tab.

The project will not impact any other environmentally sensitive resources within the project study area.

The environmental document and associated studies, as applicable, were approved using the Stage 3 Design Plans developed for the project. A copy of the Stage 3 Design Plans is included in the Project File/General/Project Information subsection as Stage 3 Design.pdf.

The estimated total project cost specified in Ellis is 18.8% greater than the total project cost specified in the ODOT State Fiscal Years 2024 - 2027 Statewide Transportation Improvement Program (STIP). However, fiscal constraint is at the Statewide Line Item (SLI) Group level. Therefore, an individual project utilizing a SLI does not require a STIP/TIP amendment.

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

Yes

Ellis STIP Details

Phase	Current STIP Reference
ENV	102330: 24-27 STIP
CO	102330: 24-27 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:

(26) Modernization of a highway by resurfacing, restoration, rehabilitation, reconstruction, adding shoulders, or adding auxiliary lanes (including parking, weaving, turning, and climbing lanes), if the action meets the constraints in paragraph I of this section. **Examples include: Joint or limited use of right-of-way where the proposed use would have minimal or no adverse social (including highway safety), economic or environmental impacts; Installation of new noise walls and other new noise mitigation projects; Construction of highway safety and truck escape ramps; Construction of bicycle lanes and pedestrian walkways, sidewalks, shared-use paths, or facilities and trailhead parking that do not otherwise qualify for a C1 designation; Beautification or facility improvement projects (i.e. landscaping, curb and gutter installation and replacement, ADA ramps/curb ramps, installation of park benches, decorative lighting, etc.); Construction of alternative energy facilities (fuel tank farms, wind turbines, etc.)**

(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



Environmental Document Level: C2

PID 102330 SUM SR 0008 15.75

Approved: 10/17/2024

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:

Present; No finding of May Affect, Likely to Adversely Affect

Endangered Species - Coordination

May Affect, Not Likely to Adversely Affect

Endangered Species - Coordination Date

12/13/2023

Endangered Species - Critical Habitat Present/Impacted

Other

Indiana bat

Northern long-eared bat

Endangered Species - Other Critical Habitat Present/Impacted:

Yes

Endangered Species - Other Description:

Tricolored Bat (Perimyotis subflavus)

Scenic Rivers

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

Scenic Rivers Remarks

This project does not have any National Wild and Scenic Rivers within the study area and is not within 1,000 feet of any national or state scenic rivers or National River Inventory streams.

Floodplains

100-Year Floodplain:

Encroachment Within the SFHA is a Functionally Dependent Use

EO 11988 Compliance Met

Yes

NFIP Coordination and Documentation Completed

Yes

NFIP Local Floodplain Coordinator Notification Date:

01/17/2024

Floodplain Remarks

The proposed project will not change the alignment, grade, or hydraulic capacity of the existing bridge structures. The project is considered exempt from the normal permit process required for work encroaching on a Special Flood Hazard Area (SFHA). A Letter of Notification of SFHA Exemption was sent to the Local Floodplain Administrator and concurrence was received on January 17, 2024.



Section 4(f)

Section 4(f):

Not present

Section 4(f) Remarks

Section 4(f) resources are not located within or immediately adjacent to the project study area.

Section 6(f)

Section 6(f):

Not present

Cultural Resources

Cultural Resources:

Present; No Finding of Adverse Effect

Cultural Resources Coordination:

Minimum Potential to Cause Effect
Appendix A

Cultural Resources Coordination - ODOT Approval/SHPO
Concurrence Date

12/13/2023

Cultural Resources Remarks

A Cultural Resources Records Check was performed for the project using the SHPO GIS online database. No Cultural Resources listed on or determined eligible for listing on the National Register of Historic Places were identified within and/or immediately adjacent to the proposed project area. The undertaking is a type that has minimal potential to cause effects to historic properties in accordance with Appendix A of the Section 106 Programmatic Agreement and therefore, no further coordination is required. The Record Check can be found in the Project File under Cultural Resources/Project Information.

Environmental Resources Considered

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

Regulated Materials

Air Remarks

This project is an Exempt Project per 40-CFR 93.126 (pavement resurfacing and/or rehabilitation; and reconstructing bridges, no additional travel lanes). An air quality analysis is not required for the project.

Noise Remarks

The project does not qualify as a Type I project for noise (i.e., not adding capacity, not moving thru travel lanes equal to or greater than 50% closer to noise sensitive areas) and a noise analysis is not required for the project under 23 CFR 772.

The project involves ROW acquisition, Deep Excavation, or OEPA 513 Landfill Authorization: No

Hazardous Materials - OES Approval Date:

12/13/2023

Regulated Materials Review Remarks:



Environmental Document Level: C2

PID 102330 SUM SR 0008 15.75

Approved: 10/17/2024

Based on the RMR Screening, the District determined further environmental site assessment or special material management are not warranted for this project.

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
391535327011	20	5
391535327033	0	27
391535327031	36	5
391535326001	10	6

Environmental Justice Remarks

A review of the ODOT Transportation Information Mapping System (TIMS) indicated Environmental Justice (EJ) populations, i.e. Minority and Low Income populations, are present within the project study area. No businesses or residences will be acquired or relocated as part of the project.

The project will have no disproportionately high and adverse effects to minority or low-income populations based upon the table above and the attached mapping. No concerns related to impacts on Environmental Justice were raised as a result of public involvement activities conducted as part of the project. Therefore, in accordance with the protections of Executive Order 12898 and FHWA Order 6640.23A, no further analysis is required. Based on the above findings, an Environmental Justice Analysis Report is not required for the project.

See the Census Mapping for the project in the Project File/Environmental Justice/Project Information subsection.

Public Involvement

Public Involvement:

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

Public Involvement Remarks

A property owner/right-of-entry notification letter was sent to all adjacent property owners on October 25, 2023. Comments were not received for the project. See the public involvement documentation for the project in the Project File/Public Involvement/Project Information subsection.

Environmental Commitments

Environmental Commitments

Yes



Environmental Document Level: C2

PID 102330 SUM SR 0008 15.75

Approved: 10/17/2024

Environmental Commitments

C2

1) The project designer shall incorporate the following note into the plans. ENDANGERED SPECIES HABITAT - INDIANA BAT/NORTHERN LONG-EARED BAT: THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED TO CONSTRUCT THE 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 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) ODOT will obtain all appropriate waterway permits prior to any work within the jurisdictional boundary of any waterway, including wetlands, and all Waterway Permit Special Provisions will be noted under Special Provisions in the plans and adhered to during construction.



Environmental Document Level: C2

PID 102330 SUM SR 0008 15.75

Approved: 10/17/2024

Preparers and Approvals

Form Preparer:

Mike Krokonko
EMH&T, Inc.
5500 New Albany Road, Columbus OH 43054
614-775-4500
mkrokonko@emht.com

Supporting Form Preparer(s):

Mark Andrasik
Robert Lang
Dana Dosen
Melissa Seeley

Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Edward Deley (PROGRAM ADMIN 3)	10/17/2024



Appendix

ESA

Project Related District Decision - ESA.pdf

General

Aerial Map.pdf

County Map with Study Area.pdf

USGS Quadrangle Topographical Map with Study Area.pdf

Ecological

NHDB Map.pdf

ODNR Scenic River MOA Conditions

Project Related Decision - Mussel Survey.pdf

USFWS/ODNR Ecological MOA Conditions

Other Resources

Sole Source Aquifer Mapping.pdf

Environmental Justice

HUD Resource Mapping.pdf

Permits

District Determination - No Floodplain Impacts.pdf

FEMA FIRM.pdf

Local Floodplain Administrator Approval.pdf