



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

TRU SR 0046 11.20 PID 118713

Environmental Document Level: C2

Approved: 7/2/2024

Prepared By: District 4

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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:	118713
Project Sponsor:	DISTRICT 4-PLANNING
ODOT District:	4
Funding Source:	Federal

C2 Section

Project Description:

The Ohio Department of Transportation (ODOT) proposes to rehabilitate the existing bridge on State Route (SR) 46 over Big Run (Structure No. TRU-46-11.20/Structure File Number 7802625), a 28-foot prestressed concrete box beam bridge with an asphalt concrete overlay on reinforced concrete wall abutments, located approximately 400 feet north of Cadwallader Sonk Road in Bazetta Township, Trumbull County, Ohio. This project proposes to remove the non-composite prestressed concrete box beams and replace them with prestressed concrete box beams and a composite reinforced concrete deck, remove the existing bearings and replace with elastomeric bearings, patch all unsound areas of the existing substructure and seal all exposed concrete surfaces of the existing substructure with epoxy-urethane.

Additional improvements proposed by the project include removal/replacement of approach slabs and guardrail including new anchor and bridge terminal assemblies, installation of new underdrains, replacement of the approach roadway pavement, application of new center line/edge line pavement markings, cleanout of the channel beneath the structure, installation of Type B rock channel protection against the rear and forward abutments, removal of ground vegetation within construction limits and removal/replacement of structure identification signs.

Mapping that depicts the project location on United States Geological Survey (USGS) 7.5-Minute Topographic Quadrangle Mapping is included in the Project File/General/Project Information subsection as *USGS Quadrangle Topographical Map.pdf*. During project construction, SR 46 at the project site will be closed to traffic for a maximum of forty-five (45) consecutive calendar days. The official detour route for this closure will utilize SR 305, SR 11 and SR 82. All construction, lane restriction and roadway closure/detour information will be posted within the project construction limits, all intersecting side roads and on the project webpage, prior to the start of project construction. Access shall be maintained to all properties, businesses, schools, etc., within and adjacent to the project construction limits for the duration of project construction. Substantial traffic disruptions are not expected during project construction.

The project will be constructed within the existing roadway right-of-way.

Existing utilities within the project study area will not be impacted/relocated to construct the project.

The project proposes to impact approximately 108 linear feet of Big Run by channel cleanout and installation of Type B rock channel protection against the rear and forward abutments. See the ecological documentation for the project in the Level 1 Ecological Survey Report in the Project File/Ecological/Reports subsection 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 for the project. A copy of the Stage 3 Design plans for the project is included in the Project File/General/Project Information subsection as *Stage 3 Design.pdf*.

The estimated total project cost specified in Ellis is less than the total project cost specified in the ODOT State Fiscal Years 2024 - 2027 Statewide Transportation Improvement Program (STIP).



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

Yes

Ellis STIP Details

Phase	Current STIP Reference
ENV	On Previous STIP
CO	118713: 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:

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

The following Federally Listed Species received an effect determination of May Affect, Not Likely to Adversely Affect:

Species Common Name	Species Scientific Name	Listing Status	Most Recent Coordination Date
Indiana Bat	<i>Myotis sodalis</i>	Endangered	07/01/2024
Northern Long-eared Bat	<i>Myotis septentrionalis</i>	Endangered	07/01/2024
Tricolored Bat	<i>Perimyotis subflavus</i>	Proposed Endangered	07/01/2024

The following Federally Listed Species received an effect determination of No Effect:

Species Common Name	Species Scientific Name	Listing Status	Most Recent Coordination Date
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Species of Concern	07/01/2024
Clubshell	<i>Pleurobema clava</i>	Endangered	07/01/2024
Eastern Massasauga	<i>Sistrurus catenatus</i>	Threatened	07/01/2024
Round Hickorynut	<i>Obovaria subrotunda</i>	Threatened	07/01/2024
Salamander Mussel	<i>Simpsonia ambigua</i>	Proposed Endangered	07/01/2024

Endangered Species Remarks:

The project proposes to remove approximately 0.06 acre of habitat for the federally endangered Indiana Bat (*Myotis sodalis*) and Northern Long-eared Bat (*Myotis septentrionalis*) and the federally-proposed endangered Tri-colored Bat (*Perimyotis subflavus*) as well as the state-listed Little Brown Bat (*Myotis lucifugus*). See the threatened and endangered species documentation for the project in the Level 1 Ecological Survey Report and agency coordination documentation provided in the Project File/Ecological/Reports and Coordination subsections and the Ecological Tab.

Scenic Rivers

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

Scenic Rivers Remarks

National or state wild and scenic rivers are not present within 1,000 feet of the project limits.

Floodplains

100-Year Floodplain:

No Encroachment Within a Special Flood Hazard Area (SFHA)

Floodplain Remarks

ODOT District 4 Environmental Section personnel reviewed FEMA FIRM mapping information for the project study area and determined the project is not located within a special flood hazard area. See the floodplains documentation for the project in the Project File/Permits/Floodplains subsection.



Section 4(f)

Section 4(f):

Not present

Section 4(f) Remarks

No recreational properties and/or historic sites are located within and/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**

06/07/2024

Cultural Resources Remarks

A Cultural Resources Records Check was performed using the SHPO GIS online database to determine if historic properties might be found in proximity to the area of potential effects (APE), the footprint of the project. 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 project is not a part of a larger undertaking and is a type that has minimal potential to cause effects to historic properties in accordance with Stipulation V(C)(1) and Appendix A of the Section 106 Programmatic Agreement executed on June 29, 2023 (Agreement No. 38503), therefore, no further coordination is required for the project. See the cultural resources documentation for the project in the Project File/Cultural Resources/Project Information subsection and the Cultural Resources Tab.

Environmental Resources Considered

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

Regulated Materials

Air Remarks

See the Air Quality documentation for the project in the Project File/Air/Project Information subsection.

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:

06/12/2024



Regulated Materials Review Remarks:

Based on the information in the Regulated Materials Review (RMR) Form completed for the project, further RMR activities or special materials management are not warranted for the project. See the RMR documentation for the project in the Project File/RMR/Reports subsection.

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
391559310004	2	5

Environmental Justice Remarks

A review of the ODOT Transportation Information Mapping System (TIMS) indicated Environmental Justice populations within the proposed project area. No businesses or residences will be acquired or relocated as part of the project. The proposed project will have no disproportionately high and adverse effects to minority or low-income populations based upon the table above and attached mapping. Therefore, in accordance with the protections of Executive Order 12898 and FHWA Order 6640.23A, no further analysis is required for the project. See Environmental Justice documentation 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

ODOT District 4 conducted various public involvement activities for the project including a press release, ODOT website posting, and notifications to property owners/business owners/stakeholders (public officials and emergency/public service providers). Two (2) news articles about the project were published by WKBN and Mahoning Matters. Comments were requested by all public involvement activities conducted for the project. Written and verbal comments were received as a result of the public involvement activities performed for the project. All comments were responded to directly. See the public involvement documentation for the project, including the received comments and responses to comments, in the Project File/Public Involvement/Project Information subsection.

Environmental Commitments

Environmental Commitments

Yes



Environmental Commitments

C2

1) WATERWAY PERMIT COMPLIANCE: THE OHIO DEPARTMENT OF TRANSPORTATION WILL OBTAIN ALL NECESSARY WATERWAY PERMITS PRIOR TO PROJECT CONSTRUCTION. THE CONTRACTOR IS NOT AUTHORIZED TO PLACE ANY FILL OR WORK WITHIN ANY WATERWAY BELOW THE ORDINARY HIGH WATER MARK ELEVATION DURING CONSTRUCTION UNTIL THE PERMIT(S) ARE OBTAINED FOR THE PROJECT.

2) The project designer shall incorporate the following note into the plans: ENDANGERED SPECIES HABITAT - INDIANA BAT/NORTHERN LONG-EARED BAT/TRI-COLORED BAT: THE PROJECT SITE IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, NORTHERN LONG-EARED BAT AND TRI-COLORED BAT. NO TREES SHALL BE REMOVED AT THIS LOCATION 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.



Environmental Document Level: C2

PID 118713 TRU SR 0046 11.20

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Preparers and Approvals

Form Preparer

District 4
Contact: Edward Deley
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Supporting Form Preparer(s):

Mark Andrasik
Sean Carpenter

Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Edward Deley (PROGRAM ADMIN 3)	7/2/2024



Appendix

General

County Map.pdf

USGS Quadrangle Topographical Map.pdf

Air

District Determination - No Air Analysis Required.pdf

Cultural Resources

Records Check.pdf

Ecological

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions

Other Resources

Urbanized Area Map.pdf

Environmental Justice

Census Mapping.pdf

Public Involvement

District Website Posting.pdf

Emergency and Public Services Notification List.pdf

Emergency and Public Services Notification.pdf

News Article - Mahoning Matters.pdf

News Article - WKBN.pdf

Press Release.pdf

Property Owner Notification Letter.pdf

Public Comments Received.pdf

Public Notification Mailing List.pdf

Response to Public Comments.pdf

Permits

FEMA FIRM.pdf