



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 04
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Environmental Document

for

POR/SUM Culverts FY2026 PID 112177

Environmental Document Level: C2

Approved: 1/29/2026

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

C2 Section

PIDs	112177
Project Sponsor	District 4-Planning
ODOT District	4
Funding Source	Federal
Project Description:	



Environmental Document Level: C2
PID 112177 POR/SUM Culverts FY2026
Submitted for Approval Printed 1/29/2026

The Ohio Department of Transportation (ODOT) proposes to replace four (4) culvert structures in Portage and Summit Counties. Proposed culvert structure/location and work operations are summarized below.

POR-US422-0.934 (CFN: 1827286): The project will replace an approximately 111-foot long, 42-inch corrugated metal pipe (CMP)/median catch basin/cross culvert system with a new 140-foot long, 42-inch drainage conduit/median catch basin drainage structure with new half-height concrete headwalls with new concrete riprap at the inlet, and new rock channel protection (RCP) at the outlet. The structure inlet will be extended south of its current location. This structure replacement work also includes roadway embankment and ditch reconstruction to provide positive drainage, replacement of an existing 15-inch median drainage conduit with new 18-inch conduit, installation of new Ditch Erosion Protection Mat and/or Turf Reinforcing Mat at the new culvert inlet and outlet, and replacement of impacted pavement and guardrail within the project construction limits.

POR-SR-225-9.196 (CFN: 1823985): An existing 48-foot long, 54-inch by 36-inch CMP with half height concrete headwalls will be replaced with a new 60-foot long, 38-inch by 60-inch conduit with new half-height concrete headwalls, and concrete riprap inlet and RCP outlet. This structure replacement work includes roadway embankment and ditch reconstruction, installation of new Turf Reinforcing Mat at the new culvert inlet and outlet, and replacement of impacted pavement and guardrail within the project construction limits.

SUM-SR-176-5.094 (CFN: 1847717): The project will replace an existing 36-foot long, 60-inch by 36-inch, 4-sided slab top box culvert, with half height concrete headwalls, with a new 71-foot long 54-inch conduit with new half-height concrete headwalls and concrete riprap inlet and RCP outlet. This structure replacement work includes roadway embankment and ditch reconstruction, installation of new Turf Reinforcing Mat (Type 1) and replacement of impacted pavement and guardrail within the project construction limits.

SUM-SR-303-3.216 (CFN:1847716): The existing 67-foot long, 60-inch by 42-inch, 4-sided box culvert, with full-height concrete headwalls, will be replaced with a new 90-foot long 90-inch conduit with new half-height concrete headwalls and concrete riprap inlet and RCP outlet. The structure inlet will be extended approximately 11 feet south of its current location. The project will retain and repair the existing outlet concrete outfall and wingwall structure.

This structure replacement work includes replacement of existing 21-inch CPP storm conduit in the northeast quadrant with new 18-inch conduit, roadway embankment reconstruction, and replacement of impacted pavement and guardrail within the project construction limits.

Mapping that depicts the project locations on United States Geological survey (USGS) 7.5-minute topographic quadrangle maps is included in the Project File/General/Project Information subsection as *USGS Quadrangle Topographical Map.pdf*.

Project construction will result in the closure of US Route 422 (Nelson Township, Portage County), SR 225 (Palmyra Township, Portage County), SR 176 (Richfield Township, Summit County), and SR 303 (Richfield Township, Summit County) during culvert replacement operations. US Route 422, SR 225 and SR 176 will be closed and though traffic detoured for a minimum of fourteen (14) consecutive days. SR 303 will be closed for approximately thirty (30) consecutive days.

Construction, lane restriction/road closure and detour information will be posted at each location prior to the start of project construction. Access shall be maintained to all adjacent properties, businesses and intersecting side streets during project construction. Substantial traffic disruptions are not expected to construct the project.

The project will acquire approximately 0.487-acre of new permanent right-of-way from ten (10) parcels to construct the project. Total property takes, structure takes or relocations are not proposed by the project. See the right-of-way plan for the project in the Project File/General/Project Information subsection as *Right of Way Plan Sheets.pdf*.

Minor relocations of existing utilities within the project study areas will be necessary to construct the project. These minor utility relocations will occur within the existing/proposed new roadway rights-of-way. Utilities will not be permanently removed to construct the project. Coordination with the utility companies affected by the proposed construction activities was conducted for the project during its preliminary engineering phase and will continue during its detailed design phase.

The project proposes to impact approximately 596 linear feet of stream channel (4 streams) and eliminate approximately 0.143-acre of jurisdictional wetlands. All proposed stream and wetlands impacts are associated with proposed culvert replacement operations. See the stream and wetlands information for the project in the Level 1 Ecological Survey Reports and agency coordination documentation in the Project File/Ecological/Reports and Coordination subsections.

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

The environmental document and associated studies, as applicable, were approved using final design plans and right-of-way plans developed for the project. Final design and final right-of-way plan information for the project is included in the Project File/General/Project Information subsection.

The project construction cost estimate is approximately 10% lower than the project construction cost specified in the ODOT State Fiscal Years 2026 - 2029 Statewide Transportation Improvement Program (STIP). Fiscal constraint is at the Statewide Line Item (SLI) Group level. 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	On Previous STIP
RW	On Previous STIP
CO	112177: 26-29 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:

(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.)**

In accordance with 23 CFR 771.117(e), the proposed project cannot be processed as a C2 CE, if it involves - a. Acquisition of more than a minor amount of ROW (exceeds strip takes) b. Residential or non-residential displacements c. A U.S. Coast Guard permit or an Individual Section 404 permit under the Clean Water Act d. A Section 106 finding of Adverse Effect e. Section 4(f) impacts greater than de minimis f. A finding of May Affect, Likely to Adversely Affect to Threatened and Endangered Species g. Construction of temporary access, or the closure of existing road, bridge, or ramps, that would result in major traffic disruptions h. Changes in access control 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) 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 k. No minor public or agency controversy on environmental grounds (no opposition from any organized groups or agencies and no unresolved environmental coordination) l. Substantial Community Impacts (if a Community Impact Assessment is required, contact OES for guidance). 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: Regional General Permit

Waterways Permit Approval Date 01/29/2026

Isolated Wetland Permit No

Will any wetlands be impacted? Yes

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	12/26/2025
Northern Long-eared Bat	<i>Myotis septentrionalis</i>	Endangered	12/26/2025
Tricolored Bat	<i>Perimyotis subflavus</i>	Proposed Endangered	12/26/2025

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	12/26/2025
Eastern Massasauga	<i>Sistrurus catenatus</i>	Threatened	12/26/2025
Mitchell's Satyr	<i>Neonympha m. mitchellii</i>	Endangered	12/26/2025
Northern Monkshood	<i>Aconitum noveboracense</i>	Threatened	12/26/2025

Endangered Species Remarks:

Ecological surveys identified approximately 0.15-acre of suitable wooded habitat (SWH) for the federally listed Indiana Bat (*Myotis sodalis*), Northern Long-eared Bat (*Myotis septentrionalis*) and Tri-colored Bat (*Perimyotis subflavus*) and state-listed Little Brown Bat (*Myotis lucifugus*) species that may be removed by the project at the POR-US422-0.934, SUM-SR176-5.094 and SUM-SR303-3.216 culvert locations. To protect these species during their summer roosting period tree removal will occur between October 1 and March 31 at the POR-US422-0.934, SUM-SR176-5.094 and SUM-SR303-3.216 culvert locations.

This project is anticipated to have no impact on other federal and state listed species. See the threatened and endangered species information for the project in the Level 1 Ecological Survey Reports and agency coordination documentation provided in the Project File/Ecological/Reports and Coordination subsections.

Scenic Rivers

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

Scenic Rivers Remarks

There are no National Wild and Scenic Rivers within 1000 Feet of the Proposed Project Area. No further coordination is required.

Floodplains

100-Year Floodplain:

No Encroachment Within a Special
 Flood Hazard Area (SFHA)

Floodplain Remarks

ODOT District 4 Environmental Section personnel reviewed the FEMA FIRMs for each project location and determined the project does not encroach within a mapped special flood hazard area (SFHA). See the floodplains mapping documentation for the project in the Project File/Permits/Floodplains subsection.

Section 4(f)

Section 4(f):

Not present



Section 4(f) Remarks

No Section 4(f) coordination is required for the project in accordance with 23 CFR 774 and the OES Section 4(f) Manual.

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 B

Cultural Resources Coordination - ODOT Approval/SHPO Concurrence Date 06/17/2025

Cultural Resources Remarks

The proposed work will replace four non-historic culverts and acquire minimal amounts of strip right-of-way to complete the work along the streambanks adjacent to the culverts. The new right-of-way areas are characterized by streambank erosion and highway disturbances. No additional pre-1976 aboveground resources will be altered or removed by the culvert work. Three of the four culverts are modern materials and not considered historic types. However, one of the four culverts scheduled for replacement (Culvert Number SUM-303-3.216; CFN: 1847716) is a stone slab top culvert with concrete extensions, likely built between 1890 and 1910. It was evaluated in the *2019 Ohio DOT Stone Highway Culvert Inventory; Revised October 2020* and determined Not Eligible for the National Register of Historic Places (NRHP) based on its alterations and lack of association.

The project scope of work has minimal potential to effect intact archaeological deposits or NRHP-qualified structures. In accordance with the *Programmatic Agreement Among the Federal Highway Administration, the Advisory Council on Historic Preservation, the State Historic Preservation Office, and the State of Ohio, Department of Transportation Regarding Implementation of the Federal-Aid-Transportation Program in Ohio* (Agreement No. 38503, executed June 29, 2023) ODOT-OES has determined that the highway drainage improvements and maintenance activities, listed under Appendix B, will have minimal potential to cause effects to properties eligible for or listed on the NRHP. No further cultural resource investigations are recommended. See the cultural resources coordination and documentation for the project in the Project File/Cultural Resources/Coordination subsection and the Cultural Resources tab.

Tribal Consultation Summary/Remarks:

The Miami Tribe of Oklahoma was notified of the project on 6/20/2025. No comment or objection was received within 30 days.

Environmental Resources Considered



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

Regulated Materials

Air Remarks

Air quality studies and/or coordination are not required for this project. This project meets 40CFR93.126 as "Projects that correct, improve, or eliminate hazardous locations or features".

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: Yes - Screening

Regulated Materials Review Screening:

No Further Regulated Materials Review

Regulated Materials Review Screening - DEC/OES Approval Date: 12/18/2025

Regulated Materials Review Remarks:

Based on the information contained in the Regulated Materials Review (RMR) Form completed for the project, ODOT District 4 determined that further RMR activity or special materials management are not warranted for the project. See the RMR documentation for the project in the Project File/RMR/Reports and Coordination subsections.

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 news release, website posting, project maintenance of traffic/schedule information electronic mailed to local emergency/public services in the project vicinity, and project notification letters mailed to affected property owners. Project comments were requested with all public involvement activities.

Written comments were received as a result of the public involvement performed for the project. All comments were responded to, and an environmental commitment was established to ensure Richfield Township Officials are invited to the project pre-construction meeting and that schedule information is provided to Richfield Township Officials and Deerfield Ag Services (9041 St. Rt. 224; PO Box 155, Deerfield, OH 44411-0155).

See public involvement documentation for the project in the Project File/Public Involvement/Project Information subsection.

Environmental Commitments

Environmental Commitments Yes



Ecological

Wetlands

ESR Name:	Wetland ID:	Hydrologic connection:	Wetland category:	Estimated total size (ac.):	Total estimated impact area by alternative (ac.):
POR-422-0.934	Wetland Area 2	Adjacent	Category 1	0.10	0.03
	Wetland Area 1	Adjacent	Category 1	0.3	0.05
SUM-176-5.094	Wetland 3	Adjacent	Category 1	0.62	0.06
SUM-303-3.216	Wetland 4	Adjacent	Category 1	0.006	0.003

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

Total impact to all wetlands (ac.): 0.143

Total acres of non-isolated wetlands impacted: 0.143

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 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 Not Meet the Identified Needs of the Project.

Include justification supporting the decisions noted above:

The No Build alternative does not meet the project's Purpose & Need to improve deteriorated and deficient culvert structures. Each culvert maintenance operation project footprint has been reduced to the maximum extent practicable. Implementation of additional measures to further reduce each impact footprint is not feasible or warranted based on the purpose and need of the project; the location of the aquatic resources relative to the project location; and the overall minor impacts of the project as currently designed.



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:

See wetlands and other ecological resource impact information in ecological reports and agency coordination provided in the project File/Ecological/Reports and Coordination subsections.



Environmental Commitments

C2

1) The project proposes to remove suitable wooded habitat (SWH) for the federally-listed Indiana Bat (*Myotis sodalis*) and/or Northern Long-eared Bat (*Myotis septentrionalis*), proposed federally-listed Tri-colored Bat (*Perimyotis subflavus*) and state-listed Little Brown Bat (*Myotis lucifugus*) at the POR-US422-0.934, SUM-SR176-5.094 and SUM-SR303-3.216 culvert locations. The project designer shall incorporate the following environmental commitment plan not information into the plans:

ENDANGERED SPECIES HABITAT - INDIANA BAT/NORTHERN LONG-EARED BAT - POR-US422-0.934, SUM-SR176-5.094 and SUM-SR303-3.216 CULVERT LCOATIONS: THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT AT THE POR-US422-0.934, SUM-SR176-5.094 AND SUM-SR303-3.216 CULVERT LOCATIONS. NO TREES SHALL BE REMOVED AT THE POR-US422-0.934, SUM-SR176-5.094 AND SUM-SR303-3.216 CULVERT LOCATIONS 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 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)

The project contractor shall post notice of closure signage, with the anticipated date of the closure, a minimum of seven (7) days prior to the scheduled road closure.

ODOT District 4 Environmental Section personnel shall invite Richfield Township Officials to the project Pre-Construction meeting and provide construction schedule information to the Richfield Township Officials and Deerfield Ag Services.

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Preparers and Approvals

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Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Brian Peck (ENV SPEC 3)	1/29/2026



Appendix

General

Aerial Map.pdf

County Map.pdf

USGS Quadrangle Topographical Map.pdf

Cultural Resources

Minimal Potential to Cause Effect - Appendix B

Photographs.pdf

Records Check.pdf

Ecological

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions

Other Resources

Water Source Protection Area Map.pdf

Public Involvement

Emergency and Public Services Notification List.pdf

Emergency and Public Services Notification.pdf

News Article.pdf

Press Release.pdf

Property Owner Notification Letter Mailing Addresses.pdf

Public Comments Received.pdf

Response to Public Comments.pdf

Snapshot Village of Richfield Website.pdf

Website Snapshot.pdf

Permits

FEMA FIRM.pdf