



# OHIO DEPARTMENT OF TRANSPORTATION

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

## **Environmental Document**

for

## **TRU Culverts FY2021 PID 108829**

**Environmental Document Level: C2**

**Approved: 12/23/2020**

**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 June 6, 2018, and executed by FHWA and ODOT.*

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C2

<b>PID:</b>	108829
<b>Project Sponsor:</b>	DISTRICT 4-PLANNING
<b>ODOT District:</b>	4
<b>Funding Source:</b>	Federal
<b>Private Funding:</b>	No

**Project Description:**

The Ohio Department of Transportation (ODOT) plans to improve State Routes (SRs) 82, 305 and 534 in Braceville, Brookfield, Mesopotamia, Southington and Vienna Townships, Trumbull County, and U. S. Route (USR) 422 in the city of Girard, Trumbull County. The project proposes maintenance activities on two (2) culverts, Structure No. TRU-82-22.19M (mainline)/Culvert File Number (CFN) 1800973 and Structure No. TRU-422-21.58/Structure File Number (SFN) 7807201, that were added to this project from TRU-422-21.58; PID 108060; and then later the MAH/TRU-62/VAR-19.36/VAR; PID 96556. The TRU-422-21.58; PID 108060; project initially proposed a total structure replacement at TRU-422-21.58. However, based on maintenance of traffic (MOT) concerns by Girard during preliminary plan development, the project was redesigned to a maintenance project and moved to MAH/TRU-62/VAR-19.36/VAR; PID 96556. During latter stages of plan development for MAH/TRU-62/VAR-19.36/VAR; PID 96556, it was determined additional time was necessary to acquire new permanent and temporary rights-of-way to gain access to the structure during project construction. Therefore, the TRU-422-21.58 project was subsequently moved to this project. In addition to the work described above, the project also proposes to replace six (6) culverts, as follows:

- 1) TRU-534-23.50/CFN 1846915;
- 2) TRU-305-1.89/CFN 1874700;
- 3) TRU-82-2.96/CFN 1874715;
- 4) TRU-82-22.19RL (ramp left)/CFN 1847140;
- 5) TRU-82-22.19RR (right ramp)/CFN 1874712; and
- 6) TRU-82-28.27/CFN 1873373.

Specified below is the proposed work on these structures and the TRU-82-22.19M (mainline) Structure. The proposed improvements to Structure No. TRU-422-21.58/SFN 7807201 were previously coordinated/approved as part of the MAH/TRU-62/VAR-19.36/VAR; PID 96556; project except for the Section 106 coordination, Regulated Materials Review coordination and public involvement.

TRU-82-22.19M (mainline)/87-inch x 63-inch Type A conduit that carries an unnamed tributary to Squaw Creek under mainline SR 82: Remove 21 feet of culvert at the inlet and outlet and replace with 21 feet of new 87-inch x 63-inch Type A conduit, install new half-height headwalls, apply a low strength mortar to fill voids and field pave the bottom of the existing structure to strengthen the integrity of the existing structure and install Type 1-8 paved gutters on the inlet and outlet sides.

TRU-534-23.50/36-inch corrugated metal culvert that carries an unnamed tributary to Swine Creek under SR 534 and connects wetlands on the east and west sides: Replace the existing structure with a new 42-inch Type A conduit, install full-height headwalls and install Type B rock channel protection on the outlet side and riprap on the inlet side.

TRU-305-1.89/60-inch corrugated metal culvert that carries an unnamed tributary to Dead Branch under SR 305 and connects wetlands on the north and south sides: Replace the existing structure with a new 72-inch



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Type A conduit, install a full-height headwall on the inlet side and half-height headwall on the outlet side and install Type B rock channel protection on the inlet and outlet sides.

TRU-82-2.96/42-inch corrugated metal culvert that carries an unnamed tributary to Mahoning River under SR 82 and connects to a wetland on the south side: Replace the existing structure with a new 48-inch Type A conduit, install half-height headwalls and install Type C rock channel protection on the outlet side.

TRU-82-22.19RL (ramp left)/87-inch x 63-inch steel arch culvert that carries an unnamed tributary to Squaw Creek under SR 82 exit-ramp: Replace the existing structure with a new 93-inch x 63-inch Type A conduit, install new half-height headwalls and install riprap on the inlet side and a Type 1-8 paved gutter on the outlet side.

TRU-82-22.19RR (right ramp)/87-inch x 63-inch steel arch culvert that carries an unnamed tributary to Squaw Creek under SR 82 on-ramp and connects to a wetland on the south side: Replace the existing structure with a new 87-inch x 63-inch Type A conduit, install new half-height headwalls and install riprap on the inlet side and install Type B rock channel protection on the outlet.

TRU-82-28.27/42-inch corrugated metal culvert that carries an unnamed tributary to Yankee Run under westbound SR 82: Replace the existing structure with a new 42-inch Type B conduit, install half-height headwall on inlet side and full-height headwall on outlet side and install Type A rock channel protection on outlet side and rip rap on the inlet side.

See continuation of the project description in the Project File/General/Project Information subsection as Project Description Continued.pdf.

**STIP Reference #:**

108829: 21-24 STIP/SLI Group Project. Fiscal constraint is at SLI Group level.

**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 -  
a. Acquisition of more than a minor amount of right-of-way  
b. Residential or non-residential displacements  
c. A Coast Guard, Individual Section 404 and/or a Section 10 permit  
d. A Section 106 finding of Adverse Effect  
e. A Section 4(f) Programmatic or Individual Evaluation  
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. If an EJ Analysis Report is required, the project must be processed as a D-level CE or higher level document 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.

**Waterways:**

Present; No Coast Guard, Individual 404, and/or Section 10 Permit required



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<b>Waterways Permit Type:</b>	Permit Determination and/or Permit Application Approval Pending
<b>Isolated Wetland Permit</b>	No
<b>Endangered Species:</b>	Present; No finding of May Affect, Likely to Adversely Affect
<b>Endangered Species - Coordination</b>	May Affect, Not Likely to Adversely Affect
<b>Endangered Species - Coordination Date</b>	07/31/2020
<b>Endangered Species - Critical Habitat Present/Impacted</b>	
Indiana bat	
Northern long-eared bat	
<b>Endangered Species - Other Critical Habitat Present/Impacted:</b>	No
<b>100-Year Floodplain:</b>	Encroachment Within the SFHA is a Functionally Dependent Use
<b>EO 11988/NFIP Coordination and Documentation Completed:</b>	No
<b>Section 4(f):</b>	Not present
<b>Section 6(f):</b>	Not present
<b>Cultural Resources:</b>	Present; No Finding of Adverse Effect
<b>Cultural Resources Coordination:</b>	Minimum Potential to Cause Effect Appendix B
<b>Cultural Resources Coordination - ODOT Approval/SHPO Concurrence Date</b>	10/29/2020
<b>Since no Tribe was interested in this project based on their customized preferences, no further Tribal consultation was conducted.</b>	
Projects that meet C2 criteria are not anticipated to have impacts to the following environmental resources. If resources are present, documentation is only required if there is a potential for impacts.	
<b>Air Quality:</b>	Studies Not Required
<b>Air Quality - Coordination with OES:</b>	No
<b>Noise:</b>	Studies Not Required
<b>Noise Coordination - OES Approval Date:</b>	
<b>Hazardous Materials - ESA Screening Conducted</b>	Yes
<b>Hazardous Materials - OES Approval Date:</b>	10/27/2020
<b>Phase I ESA Warranted Based on Coordination with OES:</b>	No Further Studies Warranted



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**Farmland:**

Non-Urbanized Area; No Impacts in Accordance With the Farmland MOU, 7 CFR 658, and ORC 929.05

**Scenic Rivers**

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

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

**Underserved Populations**

Does Not Exceed UP Guidance Criteria; No UP Analysis Report Required and No UP Issues Raised During Public Involvement

**Public Involvement:**

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

**Environmental Commitments**

Yes



## Environmental Commitments

### C2

- 1) The project designer shall incorporate the following note into the plans:

EXCAVATION AVOIDANCE: TO PROTECT AGAINST ENCOUNTERING REGULATED MATERIALS, NO EXCAVATION OR GRADING OPERATIONS SHALL BE PERFORMED WITHIN THE V&M STAR PROPERTY LIMITS, PARCELS 14-591400 AND 14-607436, DEPICTED IN THE PROJECT RIGHT-OF-WAY PLANS.

- 2) The project designer shall incorporate the following note into the plans:

WETLANDS AVOIDANCE - TRU-82-22.19: NO EXCAVATION, GRADING OR FILLING OPERATIONS SHALL BE PERFORMED IN THE WETLANDS DELINEATED BEYOND THE PROJECT CONSTRUCTION LIMITS AND DEPICTED IN THE PROJECT PLANS. TO PROTECT AND DELINEATE THE BOUNDARIES OF THE EXISTING RESOURCES, A FILTER FABRIC FENCE AND TEMPORARY CONSTRUCTION FENCE PER SUPPLEMENTAL SPECIFICATION 832, SHALL BE INSTALLED AT THE PROPOSED CONSTRUCTION LIMITS, MAINTAINING A ONE-FOOT BUFFER BETWEEN THE FENCE AND THE WETLAND BOUNDARIES, WHEN PRACTICABLE, PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES, INCLUDING ANY NECESSARY CLEARING AND GRUBBING ACTIVITIES, AND BE MAINTAINED BY THE CONTRACTOR THROUGHOUT PROJECT CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR STORE EQUIPMENT AND/OR MATERIALS IN ANY WETLANDS, ETC. ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS SECTION 107.10 (PROTECTION AND RESTORATION OF PROPERTY) PROHIBIT THE CONTRACTOR FROM CREATING STAGING AREAS NEAR STREAMS AND/OR WETLANDS.

- 3) The project designer shall incorporate the following note into the plans:

ENDANGERED SPECIES HABITAT - INDIANA BAT/NORTHERN LONG-EARED BAT - TRU-305-1.89, TRU-82-2.96 & TRU-82-28.27: THE AFOREMENTIONED PROJECT SITES ARE LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED AT THESE LOCATIONS 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.

- 4) The project designer shall incorporate the following note into the plans:

WATERWAY PERMIT COMPLIANCE: ODOT 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.



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### **Preparers and Approvals**

**Form Preparer**

District 4  
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Edward.Deley@dot.ohio.gov

**Supporting Form Preparer(s):**

Matthew Chaney  
Michael Palagano  
Sean Carpenter

### **Approvals & Electronic Signatures**

<b>Approved &amp; Electronically Signed By:</b>	<b>Approval Date:</b>
Edward Deley (PROGRAM ADMIN 3)	12/23/2020



## Appendix

### General

Final Right of Way Plans.pdf

Project Description Continued.pdf

USGS Quadrangle Topographical Map.pdf

### ESA

OES Recommendations - RMR Screening TRU-422-21.58.pdf

### Cultural Resources

Minimal Potential to Cause Effect - Appendix B

### Ecological

Coordination with ODNR and USFWS - TRU-422-21.58.pdf

Coordination with ODNR and USFWS.pdf

OES Approval - No ODNR and USFWS Notification.pdf

USFWS Comments Consult Form TRU-305-1.89 PID 108829.pdf

USFWS Comments Consult Form TRU-422-21.58.pdf

USFWS Comments Consult Form TRU-82-2.95 PID 108829.pdf

USFWS Comments Consult Form TRU-82-28.27 PID 108829.pdf

Wetland Finding.pdf

### Other Resources

Urbanized Area Map.pdf

### Underserved Populations

Census Mapping.pdf

Underserved Populations Documentation Form.pdf

### Public Involvement

District Website Posting.pdf

Emergency and Public Services Notification List.pdf

Emergency and Public Services Notification.pdf

Press Release.pdf

Project Notification Flyer - TRU-534-23.50.pdf

Property Owner Notification Letter for right-of-entry.pdf



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Property Owner Notification Letter.pdf

Public Notification Mailing List.pdf

**Permits**

FEMA FIRM.pdf

Project Manager Floodplain Notification.pdf

Public Explanation of Floodplain Impacts.pdf