



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

SUM CR 0239 01.04 (Christman Rd) PID 113945

Environmental Document Level: C2

Approved: 9/21/2022

Prepared By: Jim Burns

AECOM

Phone: 216-622-2396

E-mail: jim.burns@aecom.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
Ecological.....	8
Environmental Commitments.....	10
Preparers and Approvals.....	11
Appendix.....	12



C2

PID: 113945
Project Sponsor: SUMMIT COUNTY ENGINEER
ODOT District: 4
Funding Source: Federal
Private Funding: No

Project Description:

The Summit County Engineer (SCE) proposes to replace the existing Bridge Number GRT-239-0104/Structure File Number 7739109, a 41-foot-6-inch long single-span 2-lane bridge with a 24-foot wide reinforced concrete deck and cast-in-place reinforced T-beams on reinforced concrete wall type abutments, over the Nimisila Reservoir in the city of Green, Summit County, Ohio. The proposed new bridge will be a 65-foot long single-span 2-lane bridge with a reinforced concrete deck composite and prestressed concrete box beams on integral reinforced concrete abutments. The proposed new bridge width is 44-feet-8-inches to provide two 11-foot wide lanes, two 4-foot wide paved shoulders, bridge railings and a 12-foot wide pathway along the west side of the proposed new bridge to accommodate a future multi-use path. Additional improvements proposed by the project include embankment placement, approach slab construction, pathway transition area construction, guardrail replacement, rock channel protection placement, tied concrete block mat installation, curb installation, barrier reflector installation, bridge railing installations, concrete sealing and edge line/center line pavement marking applications.

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. Christman Road will be closed at the project site for a maximum 180 calendar days. The detour route for this closure will utilize Mt. Pleasant Road, South Arlington Road and Killinger Road. Construction and bridge closure/detour information will be posted within the project construction limits prior to the start of project construction. Access shall be maintained to all adjacent properties within the project construction limits for the duration of project construction. Substantial traffic disruptions are not expected during project construction. Nimisila Reservoir boat traffic will also be prohibited to pass beneath the bridge during construction by means of buoys/floats/decals. See the maintenance of traffic detour map/notes for the project in the Project File/General/Project Information/Stage 3 Design.pdf.

Two license agreement areas from the state-owned Nimisila Reservoir property will be required to construct the project. These license agreement areas are located immediately west and east of the existing 60-foot right-of-way (ROW) for Christman Road at the bridge and consist of 0.139 acre west of the bridge and 0.049 acre east of the bridge. See the right-of-way plan information for the project in the Project File/General/Project Information/Stage 3 Design.pdf.

Minor relocations of existing utilities within the project study area will be necessary to construct the project. These minor utility relocations will occur within the existing roadway right-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.

A cultural resources records check/literature search was conducted for the project using the SHPO GIS online database. 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). The existing bridge (SFN 7739109) is a Type 104N Concrete Multi-beam structure originally constructed in 1936. This structure is not considered eligible for the National Register based on the Ohio DOT Historic Bridge Inventory (accepted April 28, 2010). Non-historic bridge replacements and general roadway modernization activities focused on the operational right-of-way are exempt from further cultural resource consideration by the 11/8/17 Cultural Resource PA (Agreement 19319), if the project is not within the boundaries of any historic property or N. R. district. In accordance with Stipulation V(C)(1) and Appendix B of the Section 106 Programmatic Agreement executed on November 8, 2017 (Agreement No. 19319), amended on July 11, 2019, ODOT-Office of Environmental Services (OES) determined the project is a type of undertaking that has 'minimal potential to cause effects' to historic properties and is not a part of a larger undertaking. See the cultural resources documentation for the project in the Project File/Cultural Resources/Project Information subsection and the Cultural Resources Tab.



Environmental Document Level: C2
PID 113945 SUM CR 0239 01.04 (Christman Rd)

Approved: 9/21/2022

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/ESA/Reports subsection.

Based on a Level 1 Ecological Survey Report (ESR) completed for the project, the project proposes to permanently impact approximately 0.037 acre of Category 3 wetland and permanently/temporarily impact a total of 0.198 acre of open water of Nimisila Reservoir. Coordination with the Ohio Department of Natural Resources revealed the presence of records in the general vicinity of the project for Bug-on-a-stick (*Buxbaumia aphylla*), a state threatened non-vascular plant, Spotted turtle (*Clemmys guttata*), a state threatened animal, and Rose pogonia (*Pogonia ophioglossoides*), a state threatened vascular plant. For this reason the wetland to be impacted by the project is classified as Category 3. Due to the limited area of potential habitat that would be impacted by the project, the highly disturbed nature of that potential habitat and the distance of the species record from the project (> 1 mile) or the mobility of the species, the project is considered not likely to impact these species. See the ecological and threatened/endangered species documentation for the project in the Project File/Ecological/Reports, Coordination and Project Information subsections and the Project File/Permits/Waterways subsection.

A Section 4(f)/6(f) Determination Request Form for Recreational Properties (DRF) was completed for the project and submitted to ODOT-OES Policy Staff. Based upon review of the DRF it was determined a de minimis impact will occur to Nimisila Reservoir in accordance with 23 CFR 774. The determination was made based on the proposed scope of work and concurrence received from the Official with Jurisdiction (OWJ) regarding the assessment of impacts that are included in the DRF. See the Recreational Properties Section 4(f) documentation for the project in the Project File/Section 4(f)/Coordination subsection.

Based upon review of the DRF it was determined that the proposed project can be processed as a Maintenance Type Project in accordance with Section B(1) of the Section 6(f) Memorandum of Understanding executed July 11, 2018. Access to the Section 6(f) property Nimisila Reservoir will be maintained at all times during construction activities. Furthermore, the type of work is designed to enhance the property and will not change the use of land from recreational to transportation. See the Section 6(f) documentation for the project in the Project File/Section 6(f)/Coordination subsection.

Based on review of the FEMA FIRM for the project study area, 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.

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

The SCE conducted various public involvement activities for the project, including property owner notification letters, a press release posted to the SCE website (<https://www.summitengineer.net/news/Christman-Road-Bridge-Replacement-Proposal.html>) and a SCE Twitter account post. Public comments were not received as a result of the public involvement activities conducted for the project. See the public involvement documentation for the project in the Project File/Public Involvement/Project Information subsection.

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 agrees with the total project cost specified in the ODOT State Fiscal Years 2021 - 2024 Statewide Transportation Improvement Program (STIP).

STIP Reference #:

113945: 21-24 STIP SLI Group
Project

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 right-of-way
2. b. Residential or non-residential displacements
3. c. A Coast Guard, Individual Section 404 and/or a Section 10 permit
4. d. A Section 106 finding of *Adverse Effect*
5. e. A Section 4(f) Programmatic or Individual Evaluation



Environmental Document Level: C2
PID 113945 SUM CR 0239 01.04 (Christman Rd)

Approved: 9/21/2022

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. 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
Waterways Permit Type:	Permit Determination and/or Permit Application Approval Pending
Isolated Wetland Permit	No
Will any wetlands be impacted?	Yes
Endangered Species:	Present; No finding of May Affect, Likely to Adversely Affect
Endangered Species - Coordination	No Effect
100-Year Floodplain:	No Encroachment Within a Special Flood Hazard Area (SFHA)
Section 4(f):	Present; No Programmatic Evaluation or Individual Evaluation Required
Section 4(f) Determination: de minimis	
Section 4(f) Determination Date - de minimis	07/22/2022
Section 6(f):	Present; No 6(f) Conversion Required
Section 6(f) Determination:	Maintenance
Section 6(f) Determination Date:	07/22/2022



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 07/07/2022

Since no Tribe was interested in this project based on their customized preferences, no further Tribal consultation was conducted.

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.

Air Quality: Studies Not Required

Air Quality - Coordination with OES: No

Noise: Studies Not Required

Noise Coordination - OES Approval Date:

Hazardous Materials - ESA Screening Conducted Yes

Hazardous Materials - OES Approval Date: 07/28/2022

Phase I ESA Warranted Based on Coordination with OES: No Further Studies Warranted

Farmland: Urbanized Area; No Impacts in Accordance With the Farmland MOU and 7 CFR 658

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 Present; No UPIAR Required, Does Not Exceed UP Guidance Criteria, and No Issues Raised During Public Involvement

Identified Underserved Populations

Census Block Group #	% Minority	% Low Income	% Older Adults	% Limited English Proficiency (LEP)
390351521013	2	7	20	0

Underserved Populations Remarks



Environmental Document Level: C2
PID 113945 SUM CR 0239 01.04 (Christman Rd)

Approved: 9/21/2022

The proposed project will have no disproportionately high and adverse effects to minority or low-income populations or disparate impacts to a Title VI population based upon the table above, the attached mapping, and the answers to the questions above. No concerns related to impacts on Environmental Justice or Title VI populations were raised as a result of public involvement activities conducted as part of the proposed project. Therefore, in accordance with the protections of Executive Order 12898, FHWA Order 6640.23A and Title VI of the Civil Rights Act of 1964, no further analysis is required.

The proposed project will have no substantial impacts to Limited English Proficiency, Older Adults, and Individuals with Disabilities Populations based upon the table above, the attached mapping, and the answers to the questions above. No concerns related to impacts on these Underserved Populations were raised as a result of public involvement activities conducted as part of the proposed project. Therefore, in accordance with the protections of the Age Rehabilitation Act of 1973, Discrimination Act of 1975, Americans with Disabilities Act of 1990, and Executive Order 13166, no further analysis is required.

Based on the above findings an UPIAR is not required.

Public Involvement:

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

Environmental Commitments

Yes



Ecological

Wetlands

ESR Name:	Wetland ID:	Hydrologic connection:	Wetland category:	Estimated total size (ac.):	Total estimated impact area by alternative (ac.):
SUM CR 0239 01.04	Wetland 1	Adjacent	Category 3	0.044	0.037

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

Total impact to all wetlands (ac.): 0.037

Total acres of non-isolated wetlands impacted: 0.037

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 Not Meet the Identified Needs of the Project.

Include justification supporting the decisions noted above:

This project proposes to replace the existing structurally deficient, load posted, simple span prestressed concrete box beam structure over Nimisila Reservoir with an entire new structure. The existing bridge is currently closed due to rapid deterioration.

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



Environmental Document Level: C2
PID 113945 SUM CR 0239 01.04 (Christman Rd)

Approved: 9/21/2022

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:

The existing bridge is currently closed due to rapid deterioration. To restore the Christman Road crossing of Nimisila Reservoir, the bridge must be replaced. All practicable measures to minimize waterway impacts have been taken into consideration during project design.



Environmental Commitments

C2

1) Construction Notification: A minimum of 14 days prior to the following: the start of construction activities, lane restrictions, and or lane closures; the Summit County Engineer will notify the public, the local emergency services, affected schools, and businesses, and any other impacted local public agency of the above-mentioned activities, via media sources.

2) The Summit County Engineer will obtain all appropriate waterway permits prior to any work within the jurisdictional boundary of any waterway, including wetlands, and all applicable waterway permits will be noted under Special Provisions/included in the plans and adhered to during construction.

3) Access to the Nimisila Reservoir Metro Park will be maintained at all times.

Temporary construction fencing will be installed along proposed construction limits prior to the start of construction activities to protect the 4(f) properties and the public.

Appropriate signage will be installed to alert user of the Nimisila Reservoir Metro Park of construction activities and temporary access restrictions and/or closures in order to direct users to secondary access points.

The staging and/or storage of construction equipment will not take place outside proposed construction limits that are within the defined boundaries of the 4(f) properties.

The contractor shall be required to closely coordinate the construction schedule with the Summit County Engineer and Summit Metro Parks prior to the start of construction activities.



Environmental Document Level: C2
PID 113945 SUM CR 0239 01.04 (Christman Rd)
Approved: 9/21/2022

Preparers and Approvals

Form Preparer: Jim Burns
AECOM
1375 Euclid Avenue Suite 600, Cleveland OH 44115
216-622-2396
jim.burns@aecom.com

Supporting Form Preparer(s): Joshua Sturges
Robert Lang
Charlotte Stallone
Josiah Kleinhenz
Mark Wimer

Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Edward Deley (PROGRAM ADMIN 3)	9/21/2022



Appendix

General

Aerial Map.pdf

County Map.pdf

Detour Mapping.pdf

Project Description Continuation.docx

Stage 3 Design.pdf

USGS Quadrangle Topographical Map.pdf

Cultural Resources

Minimal Potential to Cause Effect - Appendix B

Ecological

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions

Other Resources

Census Bureau Urbanized Area Map.pdf

Section 4(f)

OES Recreational 4(f) Determination.pdf

Section 6(f)

OES Approval - Maintenance.pdf

Underserved Populations

Census Mapping.pdf

Underserved Populations Documentation Form.docx

Public Involvement

News Article.pdf

Press Release.pdf

Property Owner Notification Letter.pdf

Public Notification Mailing List.pdf

Permits

FEMA FIRM.pdf