



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

SUM Ravenna Road Part 1 PID 108140

Environmental Document Level: C2

Approved: 2/7/2022

Prepared By: Robert Sabol

Environmental Design Group

Phone: 330-375-1390

E-mail: rsabol@envdesigngroup.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.....	7
Environmental Commitments.....	9
Preparers and Approvals.....	10
Appendix.....	11



Environmental Document Level: C2
PID 108140 SUM Ravenna Road Part 1
Approved: 2/7/2022

C2

PID:	108140
Project Sponsor:	SUMMIT COUNTY ENGINEER
ODOT District:	4
Funding Source:	Federal
Private Funding:	No
Project Description:	



Environmental Document Level: C2
PID 108140 SUM Ravenna Road Part 1

Approved: 2/7/2022

The Summit County Engineer (SCE) proposes to resurface and widen substandard shoulders on 1.15 miles of Ravenna Road (County Highway 12) in Twinsburg Township, Summit County, from 500 feet north of the intersection with Old Mill Road (County Highway 109) to the southern Twinsburg city limit. Proposed pavement will consist of an 11-foot travel lane in each direction with a 4-foot paved shoulder along each side of the roadway. An existing 3 foot by 3 foot concrete box culvert will be replaced with a 36 inch circular pipe culvert. Improvements proposed by this project include asphalt pavement resurfacing, partial and full depth pavement repairs, adjustments to catch basins and manholes, aggregate shoulder grading, removal of right-of-way encroachments, detector loop replacements and pavement marking applications.

Traffic will be maintained using temporary lane closures with flaggers for all work except for the culvert replacement. During culvert replacement, the roadway will be closed for a period of two weeks with a detour posted utilizing Old Mill Road and Darrow Road (State Route 91). Local emergency services and school were contacted to ensure that during this period their routes and/or services will be maintained or adjusted as necessary. Construction, road closure and detour information will be posted within the project limits prior to the start of construction. Access to all adjacent properties and businesses will be maintained at all times during 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.

A Cultural Resources Records Check was performed by ODOT District 4 environmental staff 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. No further coordination is required in accordance with the Section 106 Programmatic Agreement. In accordance with Stipulation V(C)(1) and Appendix A of the Section 106 Programmatic Agreement executed on November 8, 2017 (Agreement No. 19319), amended on July 11, 2019, ODOT 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.

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.

The proposed culvert replacement will result in 70 feet of impact to a small ephemeral stream and 0.001 acre of impact to a Category 1 wetland.

A record exists within the project area for the smooth greensnake (*Opheodrys vernalis*), a state endangered species. The Contractor shall not harm or kill the smooth greensnake. If this species is encountered within the construction limits during construction operations, all construction operations will cease within the vicinity of the snake, and the Project Engineer shall immediately contact ODOT Environmental staff, who will immediately contact the Ohio Department of Natural Resources Division of Wildlife (DOW). Construction activities shall not continue until this additional coordination/consultation with DOW is concluded. Habitat impacts should be minimized as much as possible, and the work completed as soon as possible once started. During the culvert replacement, ODOT Environmental staff or other qualified individuals will clear the construction site each day prior to work beginning and oversee any silt fence and other BMP installation. If a smooth greensnake is observed, work should stop until the snake has left the area under its own volition and the DOW notified of the sighting.

See the ecological documentation and threatened/endangered species documentation for the project in the Project File/Ecological/Reports subsection and on the Ecological tab.

ODOT District 4 Environmental Section personnel reviewed the FEMA FIRM for the project study area and determined the project is located within an Area of Minimal Flood Hazard/Zone X. The project will not impact a special flood hazard area. See the floodplain mapping 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.

SCE conducted various public involvement activities for the project, including notification letters sent to property owners, a website posting and emergency/public services contact activities. No public comments were received from 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 #:

108140: 21-24 STIP \$925,000.00

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 (e) 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 -

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
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



Environmental Document Level: C2

PID 108140 SUM Ravenna Road Part 1

Approved: 2/7/2022

Endangered Species:	No Impacts to Protected Species and Critical Habitat
100-Year Floodplain:	No Encroachment Within a Special Flood Hazard Area (SFHA)
Section 4(f):	Present; No Impacts and/or Access Restrictions
Section 6(f):	Not present
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	12/14/2021
<p>Since no Tribe was interested in this project based on their customized preferences, no further Tribal consultation was conducted.</p>	
<p>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.</p>	
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	No ROW
Hazardous Materials - ODOT Approval Date:	12/14/2021
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
<p>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.</p>	
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



Ecological

Wetlands

ESR Name:	Wetland ID:	Hydrologic connection:	Wetland category:	Estimated total size (ac.):	Total estimated impact area by alternative (ac.):
SUM-Ravenna Road Part 1	Wetland 1	Adjacent	Category 1	0.004	0.001

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

Total impact to all wetlands (ac.): 0.001

Total acres of non-isolated wetlands impacted: 0.001

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.

It Would Result in Serious Impacts to the Traveling Public and the General Welfare of the Economy in the Area.

An analysis of improvements that avoid all wetland impacts indicates that they are not practicable because (check all that apply):

They Will Result in Substantial Adverse Community Impacts to Adjacent Homes, Businesses, or Other Improved Properties.

They Will Result in Substantial Social, Economic, or Environmental Impacts.

They Will Not Meet the Identified Needs of the Project.

Include justification supporting the decisions noted above:

The Do Nothing alternative would not correct the condition of the existing deteriorated culvert that needs to be replaced. The Do Nothing alternative would result in the roadway being closed due to the condition of the



Environmental Document Level: C2

PID 108140 SUM Ravenna Road Part 1

Approved: 2/7/2022

culvert leading to serious impacts to the traveling public and the general welfare of the economy in the area.

Avoidance of impacts is not possible due to the wetlands being located immediately adjacent to the deteriorated culvert to be replaced. Avoidance of impacts does not meet the identified need of the project (replacing the deteriorated culvert) and will result in substantial social and economic impacts resulting from the roadway being closed due to the condition of the culvert.

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:

Minor impacts to wetlands are necessary to construct the project. These impacts will be accounted for in the CWA waterway permitting process and necessary impact minimization measures implemented during construction.



Environmental Commitments

C2

1) The Project Designer shall incorporate the following note into the plans: Smooth Greensnake Protections at Culvert Replacement (STA. 209+10) - A record exists within the project area for the smooth greensnake (*Opheodrys vernalis*), a state endangered species. This species is primarily a grassland inhabitant, but is also found in marshy meadows, roadside ditches, and other open habitats. The Contractor shall not harm or kill the smooth greensnake. If this species is encountered within the construction limits during construction operations, all construction operations will cease within the vicinity of the snake, and the Project Engineer shall immediately contact ODOT Environmental staff, who will immediately contact the ODNR Division of Wildlife (DOW). Construction activities shall not continue until this additional coordination/consultation with DOW is concluded. Habitat impacts should be minimized as much as possible, and the work completed as soon as possible once started.

During the culvert replacement, ODOT Environmental staff or other qualified individuals will clear the construction site each day prior to work beginning and oversee any silt fence and other BMP installation. If a smooth greensnake is observed, work should stop until the snake has left the area under its own volition and the DOW notified of the sighting.



Environmental Document Level: C2

PID 108140 SUM Ravenna Road Part 1

Approved: 2/7/2022

Preparers and Approvals

Form Preparer:

Robert Sabol
Environmental Design Group
450 Grant Street, Akron OH 44311
330-375-1390
rsabol@envdesigngroup.com

Supporting Form Preparer(s):

Joshua Sturges
Robert Lang
Angela Tribuzi
Joyce Marzano

Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Edward Deley (PROGRAM ADMIN 3)	2/7/2022



Appendix

General

Aerial Map.pdf

USGS Quadrangle Topographical Map.pdf

Ecological

ODNR Comments

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions

Other Resources

TigerWEB Urbanized Area Map.pdf

Section 6(f)

LWCF Grant Listing.pdf

Underserved Populations

Census Mapping.pdf

Underserved Populations Documentation Form.pdf

Public Involvement

Detour Notification Plan.pdf

Project Webpage.pdf

Property Owner Notification Contact List.pdf

Property Owner Notification Letter.pdf

Permits

FEMA FIRM.pdf