



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

SUM Ravenna/Shepard/Broadway PID 113165

Environmental Document Level: C2

Approved: 5/9/2023

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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

PID: 113165
Project Sponsor: Twinsburg, City of
ODOT District: 4
Funding Source: Federal

Project Description:

The city of Twinsburg, in partnership with the city of Macedonia, the village of Glenwillow and the village of Oakwood, proposes to improve the Ravenna Road/Shepard Road/Broadway Avenue/Richmond Road intersection in a suburban setting in Twinsburg and Macedonia, Summit County, and in Glenwillow and Oakwood, Cuyahoga County. The center of the intersection is located on the Summit County/Cuyahoga County line with proposed improvements to approximately 0.10 mile/512 feet of the Ravenna Road approach in Twinsburg, approximately 0.17 mile/902 feet of the Shepard Road approach in both Macedonia and Twinsburg, approximately 0.05 mile/281 feet of the Broadway Avenue approach in Oakwood and approximately 0.12 mile/649 feet of the Richmond Road approach in both Oakwood and Glenwillow. The proposed project will add a right-turn lane along Ravenna Road, add a right-turn lane along Broadway Avenue, add a left-turn lane and a right-turn lane along Shepard Road, add a left-turn lane along Richmond Road and convert the existing right-turn lane along Richmond Road into a shared through-right-turn lane. Additional improvements proposed by this project include sidewalk/curb/curb ramp replacement/construction to comply with the Americans with Disabilities Act (ADA) standards, 10-foot-wide asphalt multi-purpose trail replacement, traffic signal replacement, drainage improvements, pavement resurfacing, pavement marking applications, traffic sign installation and driveway apron restoration.

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. A minimum of one lane of traffic in each direction shall be maintained on the existing pavement and proposed pavement widening sections for all roads during project construction. Road closures and detours are not proposed to construct the project. Construction and lane restriction/reduction information will be posted within the project construction limits prior to the start of project construction. Access will be maintained to all adjacent properties, businesses and intersecting side streets during project construction. Substantial traffic disruptions are not expected during project construction.

A total estimate of 0.36 acre of new permanent right-of-way from approximately 11 parcels and a total estimate of 0.66 acre of temporary right-of-way from approximately 16 parcels will be acquired to construct the project.

Overhead and underground utilities exist within the project study area including electric, telecommunication utilities, sanitary/storm sewer and natural gas. Minor relocations of existing utilities will be necessary to construct the project and will occur within the existing and new permanent roadway right-of-way. Coordination with utility companies affected by the proposed construction activities was conducted during the preliminary engineering phase and will continue during the detailed design phase.

Based on the project scope of work, the proposed maintenance of traffic measures and the various communities involved, emergency/public services contact activities were conducted for the project.

A Cultural Resources Section 106 Scoping Request was submitted to ODOT's Office of Environmental Services (OES) along with a SHPO GIS online database records review. In response, ODOT-OES Cultural Resources staff completed a cultural resources evaluation of the proposed intersection project consisting of a history architecture review and an archaeological field review. Based on the results of the literature and field reviews, previous cultural resource investigations, documented disturbance, and the scope of the undertaking, no further cultural resource investigations are warranted for the project. In accordance with Stipulation V(C)(2) of the Section 106 Programmatic Agreement between FHWA, ODOT, Ohio SHPO, and ACHP executed November 08, 2017

(Agreement No. 19319) and amended on July 11, 2019. ODOT-OES has determined that "No Historic Properties Affected" is the appropriate finding for the proposed project and no further cultural resource investigation is required for the project. The Delaware Nation, Delaware Tribe of Oklahoma, Seneca Nation and Eastern Shawnee Tribe of Oklahoma do not object to the project Section 106 effect determination. The Delaware Nation, Delaware Tribe of Oklahoma, and Eastern Shawnee Tribe of Oklahoma wishes to consult further if artifacts are uncovered during the course of the project. See the cultural resources documentation for the project in the Project File/Cultural Resources/Coordination and Project Information subsections 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



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File/ESA/Reports subsection.

Additionally, this project is considered ecologically exempt under the Ecological MOA (Agreement 19394). See the Ecologically Exempt ESR.pdf for the project in the Project File/Ecological/Reports subsection.

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

The city of Twinsburg conducted various public involvement activities for the project, including a news release, public information website postings on the Twinsburg, Macedonia, Glenwillow, and Oakwood websites, local emergency/public services notifications and notification to property owners involved in right-of-way acquisitions. Four (4) comments were received by the city of Twinsburg and are summarized as follows: 1) I travel regularly here and make the left turn from Ravenna Rd onto Shepard at that intersection and at best, one car makes it through on a green light and it's a super sharp turn. Will that be changed to a turning light and will the turn be more of a standard 90-degree turn? The press release is difficult to understand without a diagram of the changes being made; 2) A property owner in the process of building a grocery store with part of the foundation done asked if there were right-of-way impacts to the owner's property; 3) A property owner expressed concerns with flooding that now happens several times per year with large rain events since the last project was completed at the intersection. The water comes from Shepard Road across the intersection and toward their residence and causes basement flooding; 4) Summit County Engineers' office has reviewed the recent submission regarding the above noted intersection and offer no additional comments of observations. Comment response information was provided by the city of Twinsburg for each received comment. Environmental controversy was not noted for the project. See the public involvement documentation, including the received public comments and responses to comments, for the project in the Project File/Public Involvement/Project Information subsection.

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

The environmental document and associated studies, as applicable, were approved using the Stage 2 Design plans for the project. A copy of the Stage 2 Design plans for the project is included in the Project File/General/Project Information subsection as Stage 2 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).

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

Yes

Ellis STIP Details

Phase	Current STIP Reference
PE Environmental	
Right of Way	113165: 21-24 STIP
Construction	
PE Detailed Design	

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 (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:	Not Present
Will any wetlands be impacted?	No
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):	Not present
Section 6(f):	Not present
Cultural Resources:	Present; No Finding of Adverse Effect
Cultural Resources Coordination:	No Historic Properties Affected
Cultural Resources Coordination - ODOT Approval/SHPO Concurrence Date	01/17/2023

Tribal Consultation Summary/Remarks:

As a result of notification on 1-17-23, the Delaware Nation, Delaware Tribe of Oklahoma, Seneca Nation and Eastern Shawnee Tribe of Oklahoma do not object to the project Section 106 effect determination. The Delaware Nation, Delaware Tribe of Oklahoma, and Eastern Shawnee Tribe of Oklahoma wishes to consult further if artifacts are uncovered during the course of the project.



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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:	11/18/2022
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 EJ Guidance and activities conducted for Public Involvement are commensurate to the project's type and scope of work.	
Environmental Justice Populations	Present; No UPIAR Required, Does Not Exceed UP Guidance Criteria, and No Issues Raised During Public Involvement
Public Involvement:	Minimum PI Requirements Met; No Minor Public or Agency Controversy on Environmental Grounds
Environmental Commitments	No



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Environmental Commitments



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Preparers and Approvals

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Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Edward Deley (PROGRAM ADMIN 3)	5/9/2023



Appendix

General

Aerial Map.pdf

Project Study Area Map.pdf

USGS Quadrangle Topographical Map.pdf

Cultural Resources

SHPO Comments

Transmittal 1 - Effect Determination

Tribal Consultation

Tribal Consultation - Correspondence List and Example.pdf

Tribal Response - Delaware Nation.pdf

Tribal Response - Delaware Tribe.pdf

Tribal Response - Eastern Shawnee Tribe.pdf

Tribal Response - Seneca Nation.pdf

Ecological

ODNR Scenic River MOA Conditions

Other Resources

Urbanized-non-urbanized areas mapping.pdf

Public Involvement

Affected Property Owner Notification.pdf

Press Release.pdf

Property Owner Notification Letter.pdf

Public Comments Received and Responses.pdf

Public Services Notification.pdf

PublicComments Received -First Energy.pdf

Summit Co. Engineer Comment.pdf

Website Posting_Glenwillow.pdf

Website Posting_Macedonia.pdf

Website Posting_Twinsburg.pdf

WebsitePosting_Oakwood.pdf



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Permits

FEMA FIRM.pdf