



OHIO DEPARTMENT OF TRANSPORTATION

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

Environmental Document

for

SUM IR 0480 01.36 PID 84657

Environmental Document Level: C1

Approved: 2/28/2019

Prepared By: District 4

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 11, 2015, and executed by FHWA and ODOT.

Table of Contents

C1.....	3
Environmental Commitments.....	6
Preparers and Approvals.....	7
Appendix.....	8



C1

PID:	84657
Project Sponsor:	DISTRICT 4-PLANNING
ODOT District:	4
Funding Source:	Federal
Private Funding:	No

Project Description:

The Ohio Department of Transportation (ODOT) proposes to construct two noise walls along Interstate Route (IR) 480 westbound between State Route (SR) 82 and Chamberlain Road in residential areas in the city of Twinsburg, Summit County.

A traffic noise analysis was completed for the project study area in November 2014. The noise analysis determined noise walls would provide a level of noise reduction that would be considered feasible and reasonable for three noise sensitive areas (NSAs) within the project study area. However, it was determined that only two of the NSAs met the criteria of a Type II Noise Mitigation Program project, a federal or state-funded project that provides acoustic protection for receptors that were in existence prior to the construction/open to traffic of the highway. In 2015, neighborhoods located adjacent to IR 480 between Chamberlin Road and SR 82 in Twinsburg expressed a desired to have noise walls constructed throughout this section of IR 480 via the ODOT Type II Noise Mitigation Application/Petition process.

The proposed noise wall at NSA 4 is positioned along the IR 480 westbound edge of shoulder beginning east of Chamberlin Road and extending southeast past the Gettysburg Drive/Fairfield Drive intersection. A gap is proposed within this noise wall to accommodate the existing Laurel Road bridge over IR 480. It will be 17 feet high and 4,884 feet long.

The proposed noise wall at NSA 6 is located in the northeast quadrant of the IR 480/SR 82-Aurora Road interchange. This noise wall is proposed along the IR 480 westbound edge of shoulder beginning north of Ashdale Drive and extending southeast along the IR 480 westbound entrance ramp from SR 82. It will be 16 feet high and 2,200 feet long.

A property owner/occupant noise public involvement letter and a noise wall survey were mailed to benefitted property owners/occupants on January 9, 2017. A majority response was not received for either NSA after the initial mailing. Therefore, a second noise wall survey was mailed on April 20, 2017. As a result of both noise wall survey mailings, greater than 50% of the benefitted receptors in both NSAs voted to desire these noise walls and on the texture/color of the residential sides of the respective proposed noise walls. The drystack texture with a tan color was selected for the residential sides of the respective proposed noise walls by the majority of the benefitted property owners/occupants of both NSA 4 and NSA 6.

See the Project File/Noise/Coordination subsection, the Project File/Noise/Reports subsection and the Project File/Public Involvement/Project Information subsection for the ODOT OES noise analysis approval



correspondence, the traffic noise analysis and associated public involvement documentation for the project, respectively.

The project will be constructed within the existing highway right-of-way.

Existing utilities within the project study area will not be impacted/relocated to construct the project.

The proposed noise walls will be constructed on the edge of shoulder along the IR 480 westbound entrance ramp from SR 82 and the IR 480 westbound mainline lanes. Consequently, traffic restrictions are necessary for contractor access and construction. One lane of traffic will be maintained at all times on IR 480 during project construction. Lane restrictions on IR 480 will only occur during normal working hours and active construction. The IR 480 westbound entrance ramp from SR 82 may be closed for up to 45 days with posted detour signs. The ramp will not be closed during Twins Day 2020 festival. The detour is IR 480 eastbound to the IR 480/SR 91 interchange where traffic may exit and reenter IR 480 westbound. On February 27, 2019, emergency and public services were notified about the project, lane restrictions and entrance ramp closure/detour during project construction. See the emergency/public services notification documentation for the project in the Project File/General/Maintenance of Traffic 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 final plans for the project. A copy of the final plans for the project is included in the Project File/General/Project Information subsection as Final Plans.pdf.

The estimated total project cost specified in Ellis agrees with the project funding specified in the Akron Metropolitan Area Transportation Study (AMATS) Fiscal Year (FY) 2018 - FY 2021 Transportation Improvement Program (TIP).

STIP Reference # Statewide Line Item (SLI) Number 28 and is fiscally constrained.

Cultural Resources Coordination: Minimal Potential to Cause Effect Appendix A

Cultural Resources Coordination Date: 02/27/2019

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

Supporting documentation has been uploaded to Project File: Yes

Select the appropriate project type (more than one can be selected):

(6) The installation of noise barriers or alterations to existing publicly owned buildings to provide for noise reduction. *Examples include: Maintenance and/or replacement of existing noise wall panels and/or posts.*

(22) Projects, as defined in 23 U.S.C. 101 that would take place entirely within the existing operational right-of-way. Existing operational right-of-way refers to right-of-way that has been disturbed for an existing transportation facility or is maintained for a transportation purpose. This area includes the features associated with the physical footprint of the transportation facility (including the roadway, bridges, interchanges, culverts, drainage, fixed guideways, mitigation areas, etc.) and other areas maintained for transportation



purposes such as clear zone, traffic control signage, landscaping, any rest areas with direct access to a controlled access highway, areas maintained for safety and security of a transportation facility, parking facilities with direct access to an existing transportation facility, transit power substations, transit venting structures, and transit maintenance facilities. Portions of the right-of-way that have not been disturbed or that are not maintained for transportation purposes are not in the existing operational right-of-way. ***Examples include: Tower lighting within the existing operational right-of-way; Guardrail installation and replacement (including median cable barriers) where roadway ditches and backslopes will not be relocated; Improvements to existing ODOT/County maintenance facilities; Construction of new ODOT/County maintenance facilities within existing operational right-of-way; Environmental mitigation activities within existing operational right-of-way; Work on pedestrian and vehicle transfer structures and associated utilities, buildings, and terminals within existing operational right-of-way; Construction of alternative energy facilities (fuel tank farms, wind turbines, etc.)***

Environmental Commitments:

No



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Preparers and Approvals

Form Preparer

District 4
Contact: Edward Deley
330-786-4930
Edward.Deley@dot.ohio.gov

Supporting Form Preparer(s):

Robert Lang
Thomas Powell

Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Edward Deley (PROGRAM ADMIN 3)	2/28/2019



Appendix

General

Correspondence with Emergency and Public Services.pdf

USGS Quadrangle Topographical Map.pdf

Noise

OES Approval - Noise Analysis.pdf

Public Involvement

Noise Barrier Figure - NSA 4.pdf

Noise Barrier Figure - NSA 6.pdf

Noise PI Summary.pdf

Noise Wall Comment Sheet NSA 4 - Second Mailing.pdf

Noise Wall Comment Sheet NSA 4.pdf

Noise Wall Comment Sheet NSA 6 - Second Mailing.pdf

Noise Wall Comment Sheet NSA 6.pdf

Property Owner Notification Letter NSA 4 - Second Mailing.pdf

Property Owner Notification Letter NSA 4.pdf

Property Owner Notification Letter NSA 6 - Second Mailing.pdf

Property Owner Notification Letter NSA 6.pdf

Public Notification Mailing List - Second Mailing.pdf

Public Notification Mailing List.pdf