



# OHIO DEPARTMENT OF TRANSPORTATION

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

## **Environmental Document**

for

## **TRU W Market St Bridge PID 114332**

**Environmental Document Level: C2**

**Approved: 6/12/2024**

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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**

**Project Information**

<b>PID:</b>	114332
<b>Project Sponsor:</b>	TRUMBULL COUNTY ENGINEER
<b>ODOT District:</b>	4
<b>Funding Source:</b>	Federal

**C2 Section**

**Project Description:**



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The Trumbull County Engineer proposes to rehabilitate the bridge that carries W. Market St over the Mahoning River in the city of Warren, Trumbull County, Ohio. The existing structure, Structure File Number (SFN) 7835566, is a 235' triple-span concrete framed bridge built in 1930 that is now considered structurally deficient based on recent inspection. Rehabilitation will include the following improvements.

- Removal and replacement of the existing asphalt pavement
- Patching deteriorated surfaces of the superstructure
- Incorporation of passive cathodic protection to minimize future concrete deterioration
- Placement of Type 2 Waterproofing on top of the concrete frame superstructure and asphalt surface
- Removal and replacement of existing concrete sidewalks
- Reset the original granite curb
- Repair cracked fascia stone and repair deteriorated mortar joints
- Clean all sandstone surfaces
- Replace existing lighting system

An exhibit of 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*.

The project will require closures to vehicle and pedestrian traffic for a maximum of 180 consecutive calendar days to rehabilitate the bridge. The official detour for this closure will utilize South Street (U.S. Route 422) and Mahoning Avenue; as well as one way traffic on Ford Avenue NW. Construction, lane restriction, bridge closure/detour information will be posted along West Market Street and all intersecting side streets prior to the start of construction activities. Access shall be maintained to all adjacent properties, businesses, and intersecting sides streets for the duration of the project. Substantial traffic disruptions are not expected during project construction.

A total of 0.048 acre of temporary right-of-way from five parcels will be required to construct the project. No permanent right-of-way is required to construct the project. See the right-of-way plans for the project in the Project File/General/Project Information subsection as *Right-of-Way Plans.pdf*.

Multiple overhead and ground-based utilities exist within the project study area. The bridge lighting and associated electrical connections will be replaced by the project. Additionally, relocation of the ground-based electric and telecommunications utilities on the north side of the bridge will be necessary to complete the work and shall be coordinated with the service providers in accordance with the project plans and 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.

The project will impact up to 105 linear feet of the Mahoning River and 0.04 acre of suitable wooded habitat (SWH) for the federally endangered Indiana Bat (*Myotis sodalis*) and Northern Long-eared Bat (*Myotis septentrionalis*) and the federally-proposed endangered Tri-colored Bat (*Perimyotis subflavus*) as well as the state-listed Little Brown Bat (*Myotis lucifugus*). See the ecological and threatened/endangered species documentation for the project in the Project File/Ecological/Reports subsection and in the Ecological tab.

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

The environmental document and associated studies, as applicable, were approved using construction limits in the Stage 1 plans. A copy of these limits is shown in the Stage 1 Plans and Aerial Map included in the Project File/General/Project Information subsection.

The estimated total project cost specified in Ellis is 13% greater than the total project cost specified in the ODOT State Fiscal Years 2024-2027 Statewide Transportation Improvement Program (STIP). However, fiscal constraint is at the Statewide Line Item (SLI) Group level. Therefore, an individual project utilizing a SLI does not require a STIP/TIP amendment.

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

Yes

**Ellis STIP Details**

Phase	Current STIP Reference
ENV	On Previous STIP
RW	114332: 24-27 STIP



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Phase	Current STIP Reference
CO	114332: 24-27 STIP
DD	114332: 24-27 STIP

The current cost estimate is in line with existing federal procedures for Ohio STIP Amendments and Administration Modifications: Yes

**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 ROW (exceeds strip takes)
2. **b.** Residential or non-residential displacements
3. **c.** A U.S. Coast Guard permit or an Individual Section 404 permit under the Clean Water Act
4. **d.** A Section 106 finding of *Adverse Effect*
5. **e.** Section 4(f) impacts greater than de minimis
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.** A full Environmental Justice Analysis Report (EJAR) is required (the project must be processed as a D-level CE or higher-level document). If a memo-to-file/letter/IOC-format EJAR Short Report is determined to be the appropriate level of documentation, contact OES regarding NEPA document level.

**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.**

**Ecological**

**Waterways:**

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

**Waterways Permit Type:**

Permit Determination and/or Permit Application Approval Pending



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**Isolated Wetland Permit** No

**Will any wetlands be impacted?** No

**Endangered Species:** Present; No finding of May Affect, Likely to Adversely Affect

**Endangered Species - Coordination** May Affect, Not Likely to Adversely Affect

**Endangered Species - Coordination Date** 09/21/2023

**Endangered Species - Critical Habitat Present/Impacted**

Indiana bat

Northern long-eared bat

**Endangered Species - Other Critical Habitat Present/Impacted:** Yes

**Endangered Species - Other Description:**

0.04 acre of potential wooded habitat for federally-proposed endangered Tri-colored Bat.

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

**Scenic Rivers Remarks**

National-listed or state-listed wild and scenic rivers are not present within 1,000 feet of the project limits.

**Floodplains**

**100-Year Floodplain:** Encroachment Within the SFHA is a Functionally Dependent Use

**EO 11988 Compliance Met** Yes

**NFIP Coordination and Documentation Completed** Yes

**NFIP Local Floodplain Coordinator Notification Date:** 01/17/2024

**Floodplain Remarks**

The project is located within a special flood hazard area; Zone AE floodplain associated with the Mahoning River. The Project Designer shall ensure the project is designed to comply with all applicable Local, State, and Federal floodplain protection standards. Per a letter dated January 23, 2024 from the local floodplain administrator, "it has been determined that the project will not include development activities that would require a floodplain development permit from the City of Warren, Ohio floodplain administrator." See the floodplains documentation for the project in the Project File/Permits/Floodplains subsection.

**Section 4(f)**

**Section 4(f):** Present; No Programmatic Evaluation or Individual Evaluation Required



**Section 4(f) Determination:**

No Use - Cultural Resources

Temporary No Use Exception - 774.13(d)

**Section 4(f) Determination Date - No Use - Cultural Resources**

06/29/2023

**Section 4(f) Determination Date - 774.13(d)**

05/15/2024

**Section 4(f) Remarks**

The undertaking, TRU-West Market Street PID 114332, will not require land from within the historic boundary of a Section 4(f) cultural resource. The project will rehabilitate the West Market Street Bridge (SFN 7835566) over the Mahoning River in the City of Warren, Trumbull County, Ohio. The bridge is eligible for inclusion in the National Register of Historic Places (NRHP) and is a contributing feature of the Warren Commercial Historic District (NRHP 83002063). Temporary right-of-way will be required to work on the structure. The Warren Commercial Historic District is listed in the NRHP under architecture, commerce, and government (1887-1926). The West Market Street Bridge, a triple-span concrete rigid-frame bridge, was built in 1930 and is located at the western edge of the historic district.

On June 29, 2023, ODOT-OES determined the undertaking has 'minimal potential to cause effects' to historic properties in accordance with Appendix B of the Programmatic Agreement Among the Federal Highway Administration, the Advisory Council on Historic Preservation, Ohio's State Historic Preservation Office, and the State of Ohio, Department of Transportation Regarding Implementation of the Federal-Aid Highway Program in Ohio (Agreement No. 38503), executed June 29, 2023. No new permanent right-of-way from a historic property will be acquired and no contributing elements of a historic property will be removed or altered by the project. Therefore, in accordance with 23 CFR Part 774, the undertaking TRU-West Market Street PID 114332 will not result in the use of a Section 4(f) cultural resource. See the Cultural Resource Section 4(f) documentation for the project in the Project File/Section 4(f)/Coordination subsection.

Additionally, a Section 4(f)/6(f) Determination Request Form for Recreational Properties (DRF) was submitted to ODOT-OES Policy Staff on April 18, 2024. Based upon review of the DRF it was determined the proposed project can be processed as an exception to the requirement for Section 4(f) approval. In accordance with 23 CFR 774.13(d), the temporary occupancy of land and/or access will not constitute a use upon the protected recreational activities, features, or attributes associated with Monument Park. 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. No further Section 4(f) coordination is required. See the Section 4f documentation for recreational properties in the Project File/Section 4f/Reports and Coordination subsections.

**Section 6(f)**

**Section 6(f):**

Not present

**Cultural Resources**

**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**

06/29/2023

**Cultural Resources Remarks**



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The Trumbull County Engineer, in cooperation with ODOT, is proposing the rehabilitation of the West Market Street Bridge (SFN 7835566) over the Mahoning River in the City of Warren, Trumbull County, Ohio. The bridge is eligible for inclusion in the National Register of Historic Places (NRHP) and is a contributing feature of the Warren Commercial Historic District (NRHP 83002063). The bridge carries 4-lanes of traffic and sidewalks and is currently structurally deficient and in need of repairs. Temporary right-of-way will be required to work on the structure. The proposed rehabilitation includes: Removal and replacement of the existing asphalt pavement; Patching deteriorated surfaces of the superstructure; Incorporation of passive cathodic protection to minimize future concrete deterioration; Placement of Type 2 Waterproofing on top of the concrete frame superstructure and asphalt surface; Removal and replacement of existing concrete sidewalks; Reset the original granite curb; Repair cracked fascia stone and repointing deteriorated mortar joints; Clean all sandstone surfaces; and Replace existing lighting system.

The Warren Commercial Historic District is listed in the NRHP under architecture, commerce, and government (1887-1926). The West Market Street Bridge, a triple-span concrete rigid-frame bridge, was built in 1930 and is located at the western edge of the district. In accordance with Appendix B of the "Programmatic Agreement Among the Federal Highway Administration, the Advisory Council on Historic Preservation, Ohio's State Historic Preservation Office, and the State of Ohio, Department of Transportation Regarding Implementation of the Federal-Aid Highway Program in Ohio (Agreement No. 38503)", executed June 29, 2023, ODOT-OES has determined the project has minimal potential to cause effects to historic properties. The project includes general historic bridge maintenance and concrete repair. No contributing features of Warren Commercial Historic District, listed in the NRHP, will be removed or altered by the project and no permanent right-of-way from within the historic district will be acquired. No further cultural resource investigations are warranted. See the cultural resources documentation for the project in the Project File/Cultural Resources/Project Information subsection and the Cultural Resources Tab.

### Environmental Resources Considered

**The following environmental resources are present and have been studied for potential impacts:**

Regulated Materials

#### Air Remarks

See the Air Quality documentation for the project in the Project File/Air/Coordination subsection.

#### Noise Remarks

The project does not qualify as a Type I project for noise (i.e., not adding capacity, not moving thru travel lanes equal to or greater than 50% closer to noise sensitive areas) and a noise analysis is not required for the project under 23 CFR 772.

**The project involves ROW acquisition, Deep Excavation, or OEPA  
513 Landfill Authorization:**

Yes - Screening

#### Regulated Materials Review Screening:

No Further Regulated Materials Review

**Regulated Materials Review Screening - DEC/OES Approval Date:**

08/22/2023

#### Regulated Materials Review Remarks:

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/RMR/Reports subsection.

### Environmental Justice

Projects that meet C2 criteria must be in accordance with ODOT's EJ Guidance and activities conducted



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for Public Involvement are commensurate to the project's type and scope of work.

**Environmental Justice Populations**

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

**Identified Environmental Justice Populations**

Census Block Group #	% Minority	% Low Income
391559208001	27	70

**Environmental Justice Remarks**

A review of the ODOT Transportation Information Mapping System (TIMS) indicated Environmental Justice populations within the proposed project area. No businesses or residences will be acquired or relocated as part of the project. The proposed project will have no disproportionately high and adverse effects to minority or low-income populations based upon the table above and attached mapping. Therefore, in accordance with the protections of Executive Order 12898 and FHWA Order 6640.23A, no further analysis is required. See Environmental Justice documentation for the project in the Project File/Environmental Justice/Project Information subsection.

**Public Involvement**

**Public Involvement:**

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

**Public Involvement Remarks**

The Trumbull County Engineer's office (TCEO) and consultant staff conducted various public involvement activities for the project, including mailing property owner (right-of-entry) notification letters to adjacent property owners; project notification letters to business owners, public officials, and public services; and publishing a press release with project information that was posted on the TCEO website. Public comments were requested with all public involvement activities performed for the project.

Seven (7) comments related to this public outreach were received. General comment topics included: access for pedestrians/cyclists to the downtown area during construction, maintenance of traffic relating to business, and right-of-way acquisition. Response to comments were mailed by the TCEO on April 1, 2024.

See the public involvement documentation for the project in the Project File/Public Involvement/Project Information subsection.

**Environmental Commitments**

**Environmental Commitments**

Yes



## Environmental Commitments

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1) The Project Designer shall incorporate the following note into the plans: THE PROJECT DESIGNER SHALL ENSURE THE PROJECT IS DESIGNED TO COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL FLOODPLAIN PROTECTION STANDARDS.

2) The project designer shall incorporate the following note into the plans: WATERWAY PERMIT COMPLIANCE: 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.

3) The project designer shall incorporate the following note into the plans: IN ORDER TO PROTECT SPAWNING AQUATIC SPECIES AND THEIR HABITAT, NO WORK BELOW THE ORDINARY HIGH WATER MARK OF THE MAHONING RIVER WILL OCCUR BETWEEN APRIL 15 AND JUNE 30.

4) The project designer shall incorporate the following note into the plans. ENDANGERED SPECIES HABITAT - INDIANA BAT/NORTHERN LONG-EARED BAT: THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED TO CONSTRUCT THE PROJECT 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.

5) The project designer shall incorporate the following note into the plans. THE TRUMBULL COUNTY ENGINEER / ODOT SHALL ENSURE A STATE PERMITTED MALACOLOGIST MUST COMPLETE A MUSSEL SALVAGE AND RELOCATION IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE OHIO MUSSEL SURVEY PROTOCOL PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES BELOW THE ORDINARY HIGH WATER MARK OF THE MAHONING RIVER. THE PERMITTED MALACOLOGIST WILL SUBMIT THE SALVAGE AND RELOCATION WORK PLAN TO ODNR FOR REVIEW AND APPROVAL PRIOR TO ANY SURVEY WORK. THE RESULTS OF THE MUSSEL SURVEY AND/OR SALVAGE WORK MUST BE PROVIDED TO THE ODOT DISTRICT ENVIRONMENTAL COORDINATOR FOR COORDINATION WITH ODNR. THE TRUMBULL COUNTY ENGINEER / ODOT SHALL ENSURE THE MUSSEL SURVEY AND RELOCATION OCCURS, AND APPROVAL HAS BEEN RECEIVED FROM ODNR, PRIOR TO THE CONTRACTOR PERFORMING ANY WORK BELOW ORDINARY HIGH WATER MARK OF THE MAHONING RIVER.

6) The following measures to minimize harm will be incorporated into the plans as plan notes and as environmental commitments:

- ACCESS TO MONUMENT PARK SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR THE TIME NEEDED TO TEMPORARILY OCCUPY THE PROPERTY, WHICH SHALL BE LESS THAN THE TIME NEEDED FOR CONSTRUCTION OF THE PROJECT.

- TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED ALONG PROPOSED CONSTRUCTION LIMITS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO PROTECT THE SECTION 4(F) PROPERTY AND THE PUBLIC.

- THE CONTRACTOR SHALL BE REQUIRED TO CLOSELY COORDINATE THE CONSTRUCTION SCHEDULE WITH ODOT, THE TRUMBULL COUNTY ENGINEER, AND THE CITY OF WARREN PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

- THE STAGING AND/OR STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS SHALL NOT TAKE PLACE OUTSIDE OF THE PROPOSED CONSTRUCTION LIMITS THAT ARE WITHIN THE DEFINED BOUNDARIES OF MONUMENT PARK.



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7) The Project Designer shall incorporate the following note into the plans: THE PROJECT DESIGNER SHALL ENSURE THE PROJECT IS DESIGNED TO COMPLY WITH THE SECRETARY OF INTERIOR STANDARDS FOR THE TREATMENT OF CONCRETE AND MASONRY STRUCTURES

<https://www.nps.gov/crps/tps/rehab-guidelines/rehabilitation-guidelines-1997.pdf> (Pages 3-4)



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### **Preparers and Approvals**

**Form Preparer:** Brett AllerdinCurfman  
Clune Consulting Services  
740-513-8927  
brett@cluneconsult.com

**Supporting Form Preparer(s):** Lorie Feudner  
Sean Carpenter

### **Approvals & Electronic Signatures**

<b>Approved &amp; Electronically Signed By:</b>	<b>Approval Date:</b>
Edward Deley (PROGRAM ADMIN 3)	6/12/2024



## Appendix

### General

Aerial Map - Revised Stage 1 Limits.pdf

Aerial Map.pdf

County Map.pdf

Project Related District Decision.pdf

Right of Way Plan Sheets.pdf

USGS Quadrangle Topographical Map.pdf

### Air

District Determination - No Air Analysis Required.pdf

### Noise

District Determination - No Noise Analysis Required.pdf

### Cultural Resources

Historic Bridge Survey Form.pdf

Minimal Potential to Cause Effect - Appendix B

Records Check.pdf

Site Specific Resource Mapping.pdf

### Ecological

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions

### Other Resources

Census Bureau Urbanized Area Map.pdf

Water Source Protection Area Map.pdf

### Section 4(f)

OES Recreational 4(f) Determination.pdf

### Section 6(f)

LWCF Grant Listing.pdf

### Environmental Justice

Census Mapping.pdf

### Public Involvement



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News Article - WFMJ.pdf

News Article - Warren Tribune Chronicle.pdf

Press Release.pdf

Property Owner Notification Letter - Right-of-Entry.pdf

Property Owner Notification Mailing List - Right-of-Entry.pdf

Public - Stakeholder Notification Letter.pdf

Public - Stakeholder Notification Mailing List.pdf

Public Comments Received.pdf

Response to Public Comments.pdf

Trumbull County Engineer Website Posting.pdf

**Permits**

Coordination with Local Floodplain Administrator.pdf

FEMA FIRM.pdf

Local Floodplain Administrator Approval.pdf