



# OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 12  
5500 TRANSPORTATION BLVD. • GARFIELD HGTS., OH 44125 • 216-581-2100

## Environmental Document

for

### CUY US 006 14.56 Tower B PID 115039

Environmental Document Level: C2

Approved: 10/11/2022

Prepared By: District 12

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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

<b>PID:</b>	115039
<b>Project Sponsor:</b>	ODOT SPONSORING AGENCY
<b>ODOT District:</b>	12
<b>Funding Source:</b>	Non-Federal
<b>Does this project require a Federal permit or approval?</b>	No
<b>Private Funding:</b>	No
<b>Project Description:</b>	

Stabilize the foundation of the Detroit-Superior Bridge Tower B, drilled shaft foundation, based on the previously completed study. A feasibility study was done (Alternatives/Reports/Feasibility Study.pdf).

No permanent or temporary right-of-way is required for this project. Utility impacts are likely. Construction will not require a maintenance of traffic (MOT).

The project is not located in a regulated floodplain, therefore no coordination is required.

Cultural Resources was coordinated as Minimal Potential to Cause Effect - Appendix B. The historic bridge maintenance and preservation project will stabilize the foundation of the Detroit-Superior Bridge (SFN 1800930) Tower B in the City of Cleveland (US 6). The work will install micropiles around perimeter of the Tower B footing, install a deep foundation system adjacent to the Tower B footing, with a footing extension to provide a positive connection to the existing tower's foundation. The micropiles will be installed around the three-sided perimeter of the existing footing. The 9.5-inch diameter piles will be drilled and a single reinforcing bar is installed and grouted. Shorter micropile pieces will be spliced together so the work can be done without overhead obstructions. A reinforced concrete footing extension will be installed to connect the micropiles to the existing footing. The estimated life of this alternative, when coupled with the Irishtown Bend slope remediation project (PID 112646), is 40 years. If the Irishtown Bend project is not completed, the estimated life is 20 years. The concrete Tower B stabilization project will maintain and protect the original fabric, design, setting, workmanship and feeling of the 1917-built Detroit-Superior Bridge. None of the elements that qualified the bridge for listing in the NRHP in 1974 will be removed or demolished by the work. No other aboveground properties are located in the APE. The APE is characterized by alluvial deposits and previous construction disturbances. Therefore, the presence of intact archaeological deposits is unlikely. No further cultural resource investigations are recommended. In accordance with the Section 106 Programmatic Agreement executed November 8, 2017 amended July 11, 2019, ODOT-OES determined the undertaking has minimal potential to cause effects to properties listed in or eligible for listing in the NRHP.

No other environmental, hazardous materials, Section 4(f)/6(f), or underserved population impacts will result from this project.

Metroparks property is located adjacent to the project area, however, they property is not accessible to the public. There are no park facilities on the property and no property is required for the project. No Section 4(f) coordination was required.

The environmental documentation and associated studies are being approved using Alternative 5A Plan Sheets. A copy of the plans is included in the project file.

**STIP Reference #:** 21-24 STIP SLI Group Project

### 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**



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*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.**

<b>Waterways:</b>	Not Present
<b>Will any wetlands be impacted?</b>	No
<b>Endangered Species:</b>	Present; No finding of May Affect, Likely to Adversely Affect
<b>Endangered Species - Coordination</b>	No Effect
<b>100-Year Floodplain:</b>	No Encroachment Within a Special Flood Hazard Area (SFHA)
<b>Section 4(f):</b>	Present; No Impacts and/or Access Restrictions
<b>Section 6(f):</b>	Not present
<b>Cultural Resources:</b>	Present; No Finding of Adverse Effect



**Cultural Resources Coordination:**

Minimum Potential to Cause Effect  
 Appendix B

**Cultural Resources Coordination - ODOT Approval/SHPO  
 Concurrence Date**

04/12/2022

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:** 08/19/2022

**Hazardous Materials - ESA Screening Conducted** Yes

**Hazardous Materials - OES Approval Date:** 09/22/2022

**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)
390351033001	78	71	4	3
390351036024	72	91	21	5

**Underserved Populations Remarks**



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According to the ODOT's TIMS, the EJ population percentages are low in the project area. The Minority population ranges from 72 to 78 percent. The Low Income population ranges from 71 to 91 percent. The older adult population ranges from 4 to 21 percent and the Limited English Proficiency (LEP) population ranges 3 to 5 percent.

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 Underserved Populations Impact Analysis Report is not required.

The Census mapping may be found in the project file under Underserved Populations.

**Public Involvement:**

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

**Environmental Commitments**

Yes



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## **Environmental Commitments**

**C2**

1) Elements that qualify the bridge for listing in the NRHP in 1974 cannot be removed or demolished by the work.



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### **Preparers and Approvals**

**Form Preparer**

District 12  
Contact: Mark Carpenter  
216-584-2089  
Mark.Carpenter@dot.ohio.gov

**Approvals & Electronic Signatures**

<b>Approved &amp; Electronically Signed By:</b>	<b>Approval Date:</b>
Mark Carpenter (TRANS ENGR 3)	10/11/2022



## Appendix

### General

Aerial Map.pdf

### Noise

No Noise Analysis Required - District Determination.pdf

### ESA

OES Recommendations - Screening.pdf

Regulated Materials Review Form.pdf

### Cultural Resources

Minimal Potential to Cause Effect - Appendix B

Section 106 Scoping Request Form.pdf

### Ecological

ODNR Scenic River MOA Conditions