



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 02
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Environmental Document for **LUC SR 25 05.04 Struc Repl PID 79901** **Environmental Document Level: D1**

Approved: 5/2/2023

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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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Project Type

Please check all of the following actions that apply (Must check at least one):

(13) Actions described in 23 CFR 771.117 (c)(26), (c)(27), and (c)(28) that do not meet the constraints listed in 23 CFR 771.117(e).

(a) Project types that exceed thresholds in Appendix A

(b) Project types that exceed thresholds in Appendix B



General Project Information

Project, Cost Schedule and Work Limits

Environmental Document Level: D1
PID: 79901
Project Name: LUC SR 25 05.04 Struc Repl
Project Sponsor: DISTRICT 2 ENGINEERING
ODOT District: 2
Funding Source: Federal
The next phase of the proposed project is listed on the STIP Yes

Ellis STIP Details

Phase	Current STIP Reference
PE Environmental	79901: 21-24 STIP
Right of Way	On Previous STIP
Construction	79901: 21-24 STIP
PE Detailed Design	79901: 21-24 STIP

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

An Interchange Modification/Justification/Operations Study (IMS/IJS/IOS) was completed No

Project Description:

The Ohio Department of Transportation (ODOT) District 2 proposes to replace the Delaware Creek culvert under State Route (SR) 25 (Anthony Wayne Trail) in the City of Toledo, Lucas County, Ohio. The culvert carries Delaware Creek under six lanes of traffic on SR 25, as well as under two local roads (Rohr Boulevard and Fanning Drive). The existing reinforced concrete and stone arch culvert is 340-foot long and is located under approximately 45-feet of fill. Due to the steep terrain and the depth of the existing culvert, a new culvert will be bored adjacent to the existing culvert. The existing culvert will be plugged after the new culvert is installed. The culvert is located in the City of Toledo's Delaware Park/Delaware Creek Park within an urban residential area.

The Ohio EPA, the City of Toledo, and Partners for Clean Streams have recently received a grant to fund a stream restoration project immediately upstream of the culvert and overlapping the LUC-25-5.04 project area. ODOT District 2 is coordinating with the City and Ohio EPA in order to minimize overall impacts. The City's project is scheduled to occur after ODOT's culvert replacement project is completed.

No design plans are available for this design-build project. The impact limits for this environmental document and associated studies were provided by the District and include staging areas and construction access.

- A Proposed Site Plan has been uploaded to the Project File under General / Project Information.

Limits of Proposed Work:

Delaware Creek



Start (SLM): 4.99
End (SLM): 5.07
Total Work Length (Miles): 0.08

No roadway data for PIDs associated with this CE Form

Sufficiency Rating: 049.7
General Rating: 4
Date Built: 07/01/1900
Bridge Location: 0.35 Mile N of Sherwood
40. Bridge Type: 819N

Design Criteria For Bridges

SFN: 4801490

Sufficiency Rating: 049.7
General Rating: 4
Date Built: 07/01/1900
Bridge Location: 0.35 Mile N of Sherwood

	Existing:	Proposed:
Bridge Type:	819N	119N
Bridge Length (ft):	16	7.5
Number of Main Spans:	1	1
Max Span Length (ft):	12	7.5
Load Restrictions (TON):	150	150
Curb to Curb Width (ft):	0	N/A
Shoulder Width(ft):	N/A	N/A
Under Clearance (ft):	N/A	N/A

Bridge Type Description:

The project is design-build. The proposed structure type is a reinforced concrete culvert.

Load Restrictions Description:

The proposed culvert will not have any load restrictions due to the depth of the culvert below the roadway.

Will the structure be rehabilitated or replaced as part of the project? Yes

If this bridge is a historic bridge, what type is it? N/A

Remarks:



The culvert was determined to be not eligible for the National Register of Historic Places.

41. Bridge Length (ft):	16
42. Number of Main Spans:	1
43. Max Span Length (ft):	12
44. Load Restrictions (TON):	150
45. Curb to Curb Width (ft):	0

Maintenance of Traffic During Construction

A roadway, bridge or ramp closure is required	Yes
A temporary bridge or roadway is proposed	No
A detour is required for the proposed project	Yes
Access for local through traffic will be provided with appropriate signage	No
Provisions for through-traffic dependent businesses will be incorporated into project design	No
Provisions to accommodate any local special events or festivals will be incorporated into project design	No
The proposed MOT substantially impacts sensitive environmental resources	No
Substantial controversy is associated with the proposed MOT	No
Coordination has been initiated and/or completed with local emergency services, schools, public institutions/facilities, etc.	Yes

Remarks:

As the new culvert will be bored next to the existing culvert, no detours or lane closures on Anthony Wayne Trail (SR 25) will be necessary for construction. Rohr Boulevard may be temporarily closed to traffic during construction and detours will be posted. No closures are expected for Fanning Drive. Access to all adjacent properties will be maintained throughout construction. Maintenance of traffic will be determined during the design phase of the project.

Local emergency services, schools, public institutions/facilities were included in the public involvement for the project. No comments were received regarding maintenance of traffic or access.

Are there any Environmental Commitments?	No
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Right of Way and Utility Involvement

The project requires Permanent Right-of-Way	Yes
The project requires Permanent Easement(s)	Yes
The project requires Temporary Right-of-Way	Yes
Number of parcels impacted by Permanent Right-of-Way:	2
Number of parcels impacted by Temporary Right-of-Way:	2



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Approximate acreage of Permanent Right-of-Way needed:	0.263
Approximate acreage of Temporary Right-of-Way needed:	2.414
Electrical lines, gas lines, water lines, sewer lines, phone lines or other utilities exist in the project area	Yes
Large scale transmission facilities are located within the project area	No
Private utility easements are located within the project area	Yes
The existing private utility easement will be impacted by the project	No
Coordination with identified utilities has been initiated and/or completed	No
Please explain why utility coordination has not been initiated and/or completed	

Utility coordination will be the responsibility of the design-build contractor.

Remarks:

Utilities present in the project area include Buckeye Cablevision, Level 3 Communications, Toledo Edison, City of Toledo Water, Columbia Gas, and AT&T. ODOT District 2 completed Subsurface Utility Engineering (SUE) Level A for the project area to locate underground utilities. With the proposed method of tunnel boring, it is anticipated that construction activities will occur below any existing utilities. Any utility relocation needed will be done in compliance with the procedures established in ODOT's Real Estate Manual and in coordination with the District Utility Coordinator.



Purpose & Need

Purpose & Need

Project History:

According to the Historic Bridge Survey Report, the single span, 16'-long bridge was constructed around 1900 as a narrow stone arch bridge. It was widened to at least one side with a concrete arch around 1920 and the entire bridge was widened to the other side and placed under high earth fill to carry the dualized highway in 1951.

Purpose Statement:

The culvert must be replaced to maintain a safe route of travel for motorists.

Need Element(s):

Facility Deficiency: During the most recent culvert inspection on March 29 2022, the culvert received a General Appraisal rating of 4, indicating that the structure is in poor condition. Inspectors observed delaminating, spalling, and soil filtration in the stone arch portion, along with broken and shifted stones and actively forming stalactites. Both headwalls are cracked and tilting outward.

- A copy of the Bridge Inventory and Appraisal has been uploaded to the Project File under Purpose and Need / Existing and Future Conditions / Bridge Condition Rating.

Goals and Objectives:

N/A

Summary Statement:

Based on the most recent inspection, the culvert is in poor condition and must be replaced to maintain a safe route of travel for motorists.

Logical Termini and Independent Utility:

The logical termini includes a sufficient length to address the needs of the project, including construction access. To accomplish this, the project termini encompasses approximately 400 linear feet between SLM 4.99 and 5.07.

The proposed project is independent of any other planned transportation improvement and is not part of a long-range plan that requires additional components to be implemented separately. Therefore, independent utility is established.



Alternatives

Alternatives

Discuss No Build Alternative:

The No Build Alternative would not replace the existing structure. Given the current General Appraisal rating of 4 (poor), it would be reasonable to assume local failures would become possible, jeopardizing the structural integrity of Anthony Wayne Trail (SR 25), as well as Fanning Drive and Rohr Boulevard.

Was a Feasibility Study completed?

Yes

Date Feasibility Study was approved:

05/25/2021

Was an Alternative Evaluation Report (AER) completed?

No

Alternatives Considered

Name	Description	Reason Dismissed	Preferred Alternative
No Build	Do nothing.	The No Build Alternative would allow the existing culvert to continue to deteriorate, which would eventually lead to structure failure. The No Build Alternative does not meet the purpose and need.	No



Approved: 5/2/2023

Culvert Lining	Use a single radius arch as a liner with grout between the existing and proposed arches.	Lining the existing culvert requires a reduction in size of the current opening. A smaller opening would not provide enough flow to avoid raising the backwater elevation and would require an additional smaller culvert to be bored adjacent to the existing culvert. This alternative does not meet ODOT's preference for single culvert pipe structures.	No
Tunneling a New Culvert	Boring a new culvert adjacent to the existing culvert and plugging the existing culvert.	N/A	Yes
Culvert Rehabilitation	Repair the existing culvert	Stones within the original stone arch culvert have shifted and would require open cut construction to remove and replace the stones. Due to the depth of the culvert beneath the roadway, this alternative is not feasible.	No

Discuss Reasons Alternative Identified as Preferred was selected:

The preferred alternative is to bore a new culvert adjacent to the existing culvert and plug the existing culvert. This alternative was chosen as it meets the purpose and need of the project while also minimizing future maintenance requirements by having a single culvert rather than multiple structures.

- A copy of the Feasibility Study completed for the project has been uploaded to the Project File under Alternatives / Reports.



Air

Mobile Source Air Toxics (MSATs)

Sensitive Areas are located within approximately 500' of the proposed project area Yes

The proposed project is listed as a C1 in ODOT's CE Guidance and/or falls under 40 CFR 93.126 No

The proposed project involves adding capacity, a new interchange, relocating thru lanes significantly closer to sensitive areas, or expanding an intermodal center No

Design Year ADT is <140,000 No

Remarks:

The proposed project involves replacing an existing culvert (with no additional travel lanes) and will not result in meaningful changes to traffic volumes, vehicle mix, location of the existing facility, or other factors that would cause an increase in emissions impacts relative to the no-build alternative. As such, the Federal Highway Administration (FHWA) has determined the proposed project will generate minimal air quality impacts for Clean Air Act criteria pollutants and has not been linked with any special MSAT concerns.

Particulate Matter 2.5 (PM2.5)

The proposed project is in an air quality non-attainment or maintenance area No

Remarks:

Lucas County is not in a PM 2.5 maintenance or non-attainment area. Therefore, a PM 2.5 analysis is not required.

Carbon (CO)

The State of Ohio is in attainment for CO at this time and no coordination or analysis is required

Ozone

The proposed project is in an Ozone non-attainment or maintenance area Yes

The proposed project is listed on the TIP Yes

Remarks:

Lucas County is in an Ozone maintenance area based on the 1997 Standard. However, the project is listed on the Statewide Transportation Improvement Program (STIP), which is subject to regional conformity standards. Therefore, Ozone is addressed.

- A copy of the STIP has been uploaded to the Project File under General / Project Information / STIP Listing.



Greenhouse Gas

A Quantitative Greenhouse Gas (GHG) Analysis is required

No

Remarks:

The proposed project involves replacing an existing culvert (with no additional travel lanes) and will not result in meaningful changes to traffic volumes, vehicle mix, location of the existing facility, or other factors that would cause an increase in vehicle emissions relative to the no-build alternative. No GHG Analysis is warranted.

Environmental Commitments

Are there any environmental commitments? No



Noise

Noise

Noise Sensitive Areas located within approximately 500' of the proposed project area	Yes
Noise Analysis conducted	No
The proposed project is a Type I project	No
The proposed project is a Type II project	No

Remarks:

Based on the *Flowchart for When a Noise Analysis is Needed (ODOT, 2012)*, the proposed project is not a Type 1 project for noise (does not add capacity, does not move thru travel lanes equal to or greater than 50% closer to noise sensitive areas). Therefore, a noise analysis is not warranted and no further coordination is required.

Environmental Commitments

Are there any environmental commitments? No



ESA

ESA

Does the project require any Permanent ROW or Easement?: Yes

ESA Screening Report was completed by District Staff Yes

Date when It was completed 10/31/2022

Date of ESA Screening IOC from OES: 03/08/2023

Do any sites require a Phase 1 ESA, Phase 2 ESA, or plan note according to the IOC from OES? No

Remarks:

A Regulated Materials Review Screening was prepared by CCS on 10/31/2022. On 3/8/23, District 2 staff determined that no further environmental site assessment or special material management are warranted for this project.

- A copy of the RMR Screening has been uploaded to the Project File under ESA / Reports / Regulated Materials Review Form.
- A copy of the Project Related District Decision has been uploaded to the Project File under ESA / Project Information / Project Related District Decision ESA.

According to the IOC from OES does the project require any Environmental Commitments (plan notes and/or other coordination)? No



Cultural Resources

Cultural Properties Present

Please describe all of the efforts made to identify Historic Properties (including lit review, field investigation, etc.):

A search of the SHPO database was conducted and a Scoping Request Form was completed by ODOT District staff and submitted to ODOT-OES on 10/31/2022. The culvert was inventoried and evaluated in ODOT's 2010 historic survey. The structure was determined to be not eligible (as a stone arch bridge) for the National Register of Historic Places (NRHP), mostly due to alterations made since 1951 which extended the stone canal aqueduct with a concrete arch structure. The Application to Become a Consulting Party was made available on the project webpage. One Consulting Party was recruited as a result of the public involvement for the project. The Consulting Party provided additional information regarding the culvert's original purpose to allow the former Miami & Erie Canal to pass over Delaware Creek. A Historic Bridge Survey Report was completed by ODOT-OES on 02/27/2023.

- A copy of the Historic Bridge Survey Form and photographs of the culvert have been uploaded to the Project File under Cultural Resources / Project Information.

Is there an eligible or listed NRHP Historic Property in the Area of Potential Effects Pursuant to 36 CFR part 800? No

OES Approval/OSHPO Concurrence Date: 02/09/2023

Remarks:

The previous finding that the culvert was not eligible for listing on the NRHP was determined to still be valid when considering the structure's association with the Miami & Erie Canal. The determination is based on the aqueduct lacking original design, function, setting, feeling, workmanship, and materials. In accordance with 36 CFR 800.4(d)(1) and the Section 106 Programmatic Agreement (Agreement No. 19319), ODOT-OES determined no historic properties will be affected by the replacement of the concrete and stone culvert. No NRHP-qualified structures or properties are located in the APE and no further research is recommended. Section 106 consulting parties were given 30 days to review and provide input on the project.

- Details of the Cultural Resources Determination can be found in the Cultural Resources Tab under Cultural Resource Coordination.
- All Consulting Party documentation has been uploaded to the Project File under Cultural Resources / Coordination.

What is the Section 106 effect determination in the OES Transmittal? No Historic Properties Affected

Archaeological Resource Adverse Effect

History/Architecture Adverse Effect



Tribal Consultation

Tribal Consultation Summary/Remarks:

Tribal consultation was initiated on 02/09/2023. No objection was received within 30 days of the notification.

- Details of the Tribal Consultation can be found in the Cultural Resources Tab under Tribal Consultation.

Environmental Commitments

Are there any Environmental Commitments? No



Ecological

ESR

ESR Name:	ESR Type:	Coordination Complete Date:
LUC-SR 25-5.04 Struc Repl	Level 1	12/16/2022

Wetlands

Based on the results of the ESR(s), no wetlands were observed within the study area(s) for this Environmental Document.

Remarks:

N/A

Streams & Rivers

ESR Name:	Stream Name:	National or Scenic Rivers or NRI Streams:	Ohio EPA Aquatic Life Use Designation:	Antidegradation Designation:	Total Impact Length(ft.):
LUC-SR 25-5.04 Struc Repl	Delaware Creek	No	WWH	General High Quality Water	665
	UNT 1	No	Ephemeral Stream (Class I)	General High Quality Water	25
	UNT 2	No	Small Drainage Warmwater (Class II)	General High Quality Water	245

Total impact length (ft.) to perennial streams: 665

Total impact length (ft.) to intermittent streams: 245

Total impact length (ft.) to ephemeral streams: 25



Remarks:

The project area was reviewed by CCS environmental scientists on 08/24/2022. Three (3) streams were identified in the project study area. Based on further refinement of the proposed impact limits following submittal of the ESR, approximately 665 linear feet of permanent impact to Delaware Creek and approximately 160 linear feet of temporary impact to UNT 2 are anticipated for construction of the project. UNT 1 will be avoided.

Other Surface Waters / Ditches

ESR Name:	Ditch Id:	Total Impact Area(ac.):
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Total impact to all ditches (ac): 0

Other Surface Waters / Other Water Bodies

ESR Name:	Water Body Id:	Hydrologic Connection:	Type:	Designated Function:	Total Impact
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Remarks:

N/A

Terrestrial Habitats

ESR Name:	Vegetative Communities and Land Cover found within the project study area:	Degree of man induced ecological disturbance:	Unique, rare, or high quality:	Within Project Study Area(s) (ac.):	Alternative Impacts (ac.):
LUC-SR 25-5.04 Struc Repl	Developed, High Intensity (DH) - Includes Highly Developed Areas Where People Reside or Work in High Numbers. Examples Include Apartment Complexes, Row Houses and Commercial/Industrial. Impervious Surfaces Account for 80 to 100% of the Total Cover.	Extreme Disturbance/Ruderal Community (Dominated by Opportunistic Invaders or Native Highly Tolerant Taxa)	No	0.43	0.29
	Floodplain Forest - FF- (Floodplain Dominated by Trees)	Intermediate Disturbance (Dominated by Plants that Typify a Stable Phase of a Native Community that Persists Under Some Disturbance)	No	1.06	0.78

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	Upland Forest - UF - (Uplands Dominated by Trees)	Intermediate Disturbance (Dominated by Plants that Typify a Stable Phase of a Native Community that Persists Under Some Disturbance)	No	2.98	2.02
	Open Water - All Areas of Open Water, Generally with Less Than 25% Cover of Vegetation or Soil.	Intermediate Disturbance (Dominated by Plants that Typify a Stable Phase of a Native Community that Persists Under Some Disturbance)	No	0.22	0.17
	Scrub/Shrub - SS - (True Shrubs, and Young Trees in an Early Successional Stage)	High Disturbance (Dominated by Widespread Taxa Not Typical of a Particular Community)	No	0.12	0.08
	Developed Open Space - DS - (Mown Right-of-Way, Large-Lot Single-Family Housing Units, Parks, Golf Courses, and Vegetation Planted in Developed Settings for Recreation, Erosion control, or Aesthetic Purposes)	Extreme Disturbance/Ruderal Community (Dominated by Opportunistic Invaders or Native Highly Tolerant Taxa)	No	0.10	0.03

Remarks:

The project area was reviewed by CCS environmental scientists on 08/24/2022. There are no unique, rare, or high quality vegetative communities within the project study area.

Threatened or Endangered Species / Federally Listed Species

Species Common Name:	Species Scientific Name:	Listing Status:
Indiana Bat	Myotis sodalis	Endangered

ESR Name: LUC-SR 25-5.04 Struc Repl**Effect Determination:** May Affect, Likely to Adversely Affect**Discussion Including impacts to Suitable Habitat:**

The project study area was investigated for the presence of suitable wooded habitat (SWH) for Indiana bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*) using the 2016 Indiana Bat and Northern Long-eared Bat Programmatic Agreement/Programmatic Biological Opinion (PA/PBO) - Technical Guidance. The proposed project is located within the Western Management Unit. Based on field reconnaissance conducted by CCS personnel on 8/24/2022, 2.80 acres of SWH is located within the construction limits. Based on the construction limits, the proposed project is expected to impact 2.22 acres of SWH within 100' of the edge of pavement (EOP), 0.23 acre of SWH beyond 100' (but less than 300') from the EOP, and 0.35 acre of SWH outside 100' EOP and within 50' of a perennial stream. No potential maternity roost trees were identified within the project study area. No potential winter hibernacula areas were observed within the study area. A review of the Ohio Department of Natural Resources (ODNR)



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Division of Wildlife (DOW), Natural Heritage Database (NHDB) Program, dated 8/3/2022, identified no bat capture location records within a 1-mile radius of the project study area. The USFWS bat buffer coordination, dated 7/26/2022, stated the project site is not located within a bat buffer. See the NHDB review letter and the USFWS bat buffer email response in Appendix 5. To reduce impacts to summer roosting bats, tree clearing will occur between Oct 1 and March 31. Since this project could remove 0.35ac of SWH outside of 100ft from the edge of pavement but within 50ft of a perennial stream, it requires avoidance and conservation measures. Total acreage beyond 10ft from the EOP is 0.58ac (0.35 + 0.23). $0.58\text{ac} * 1.75 = 1.02\text{ac}$ of credit will be deducted from the SCCC2 pooled mitigation site.

Species Common Name:	Species Scientific Name:	Listing Status:
Northern Long-eared Bat	<i>Myotis septentrionalis</i>	Threatened

ESR Name: LUC-SR 25-5.04 Struc Repl

Effect Determination: May Affect, Likely to Adversely Affect

Discussion Including impacts to Suitable Habitat:

The project study area was investigated for the presence of suitable wooded habitat (SWH) for Indiana bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*) using the 2016 Indiana Bat and Northern Long-eared Bat Programmatic Agreement/Programmatic Biological Opinion (PA/PBO) - Technical Guidance. The proposed project is located within the Western Management Unit. Based on field reconnaissance conducted by CCS personnel on 8/24/2022, 2.80 acres of SWH is located within the construction limits. Based on the construction limits, the proposed project is expected to impact 2.22 acres of SWH within 100' of the edge of pavement (EOP), 0.23 acre of SWH beyond 100' (but less than 300') from the EOP, and 0.35 acre of SWH outside 100' EOP and within 50' of a perennial stream. No potential maternity roost trees were identified within the project study area. No potential winter hibernacula areas were observed within the study area. A review of the Ohio Department of Natural Resources (ODNR) Division of Wildlife (DOW), Natural Heritage Database (NHDB) Program, dated 8/3/2022, identified no bat capture location records within a 1-mile radius of the project study area. The USFWS bat buffer coordination, dated 7/26/2022, stated the project site is not located within a bat buffer. See the NHDB review letter and the USFWS bat buffer email response in Appendix 5. To reduce impacts to summer roosting bats, tree clearing will occur between Oct 1 and March 31. Since this project could remove 0.35ac of SWH outside of 100ft from the edge of pavement but within 50ft of a perennial stream, it requires avoidance and conservation measures. Total acreage beyond 10ft from the EOP is 0.58ac (0.35 + 0.23). $0.58\text{ac} * 1.75 = 1.02\text{ac}$ of credit will be deducted from the SCCC2 pooled mitigation site.

Species Common Name:	Species Scientific Name:	Listing Status:
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Species of Concern

ESR Name: LUC-SR 25-5.04 Struc Repl

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

The study area does not contain suitable open water or mature forest for the bald eagle. No nests or eagles were observed during field reconnaissance. There is no suitable habitat for the bald eagle within the study area.

Species Common Name:	Species Scientific Name:	Listing Status:
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Eastern Massasauga	Sistrurus catenatus	Threatened
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ESR Name: LUC-SR 25-5.04 Struc Repl**Effect Determination:** No Effect**Discussion Including impacts to Suitable Habitat:**

According to USFWS coordination dated 7/26/2022 the project is not located within a range polygon for this species (see the USFWS correspondence in Appendix 5). In addition, field reconnaissance conducted by CCS personnel on 8/24/2022 did not identify suitable habitat for this species within the project study area. The study area did not contain wetlands. A species specific survey was not conducted as part of this report. The eastern massasauga is not expected to inhabit the study area.

Species Common Name:	Species Scientific Name:	Listing Status:
Eastern Prairie Fringed Orchid	Platanthera leucophaea	Threatened

ESR Name: LUC-SR 25-5.04 Struc Repl**Effect Determination:** No Effect**Discussion Including impacts to Suitable Habitat:**

The study area did not contain open habitats suitable for the Eastern Prairie Fringed Orchid. There is no suitable habitat for the Eastern Prairie Fringed Orchid within the study area.

Species Common Name:	Species Scientific Name:	Listing Status:
Karner Blue Butterfly	Lycaeides melissa samuelis	Endangered

ESR Name: LUC-SR 25-5.04 Struc Repl**Effect Determination:** No Effect**Discussion Including impacts to Suitable Habitat:**

The study area did not contain any prairie habitats or lupine and is not within the Oak Openings region. There is no suitable habitat for the Karner Blue Butterfly within the study area.

Species Common Name:	Species Scientific Name:	Listing Status:
Piping Plover	Charadrius melodus	Endangered

ESR Name: LUC-SR 25-5.04 Struc Repl**Effect Determination:** No Effect**Discussion Including impacts to Suitable Habitat:**

The study area does not contain any beaches and is not located on Lake Erie. There is no suitable habitat for the Piping Plover within the study area.



Species Common Name:	Species Scientific Name:	Listing Status:
Rayed Bean	Villosa fabalis	Endangered

ESR Name: LUC-SR 25-5.04 Struc Repl

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

The main stream within the study area (Delaware Creek) has a drainage of

Species Common Name:	Species Scientific Name:	Listing Status:
Rufa Red Knot	Calidris canutus rufa	Threatened

ESR Name: LUC-SR 25-5.04 Struc Repl

Effect Determination: No Effect

Discussion Including impacts to Suitable Habitat:

The study area does not contain any beaches and is not located on Lake Erie. There is no suitable habitat for the Rufa Red Knot within the study area.

Threatened or Endangered Species / State Listed Species:

No state listed species or suitable habitats are impacted by this project location.

ESR Name: LUC-SR 25-5.04 Struc Repl

Species Common Name: Little Brown Bat

Species Scientific Name: Myotis lucifugus

Listing Status: Endangered

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

Based on field reconnaissance conducted by CCS personnel on 8/24/2022, approximately 2.80 acres of wooded habitats are located within the construction limits. The area contained suitable habitat for summer roosting and foraging, but no suitable winter hibernaculum areas were found. This project should have no impact on this species if trees are cleared between October 1-March 31. A review of the Ohio Department of Natural Resources (ODNR) Division of Wildlife (DOW), Natural Heritage Database (NHDB) Program, dated 8/3/2022, did not identify any records for this species within a 1-mile radius of the project study area. See the NHDB review letter in Appendix 5.

Species Common Name: Tricolored Bat

Species Scientific Name: Perimyotis subflavus



Listing Status: Endangered

The species or its suitable habitat will be impacted by this project: Yes

Effect Determination: Yes

Discussion Including impacts to Suitable Habitat:

Based on field reconnaissance conducted by CCS personnel on 8/24/2022, approximately 2.80 acres of wooded habitats are located within the construction limits. The area contained suitable habitat for summer roosting and foraging, but no suitable winter hibernaculum areas were found. This project should have no impact on this species if trees are cleared between October 1-March 31. A review of the Ohio Department of Natural Resources (ODNR) Division of Wildlife (DOW), Natural Heritage Database (NHDB) Program, dated 8/3/2022, did not identify any records for this species within a 1-mile radius of the project study area. See the NHDB review letter in Appendix 5.

Species Common Name: Blanding's Turtle

Species Scientific Name: *Emydoidea blandingii*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Spotted Turtle

Species Scientific Name: *Clemmys guttata*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Kirtland's Snake

Species Scientific Name: *Clonophis kirtlandii*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Blue-spotted Salamander

Species Scientific Name: *Ambystoma laterale*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact



Species Common Name: American Bittern

Species Scientific Name: *Botaurus lentiginosus*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Black Tern

Species Scientific Name: *Chlidonias niger*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Common Tern

Species Scientific Name: *Sterna hirundo*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: King Rail

Species Scientific Name: *Rallus elegans*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Lark Sparrow

Species Scientific Name: *Chondestes grammacus*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Snowy Egret

Species Scientific Name: *Egretta thula*



Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Black-crowned Night Heron

Species Scientific Name: *Nycticorax nycticorax*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Northern Harrier

Species Scientific Name: *Circus hudsonius*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Trumpeter Swan

Species Scientific Name: *Cygnus buccinator*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Sandhill Crane

Species Scientific Name: *Antigone canadensis*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No

Effect Determination: No Impact

Species Common Name: Least Bittern

Species Scientific Name: *Ixobrychus exilis*

Listing Status: Not Provided - No impact to this species

The species or its suitable habitat will be impacted by this project: No



Effect Determination: No Impact

Remarks:

Agency Coordination

Project Coordination:

Project locations for which no agencies are listed are considered ecologically exempt or non-notifying.

The ODNR and USFWS conditions outlined in the Ecological MOA apply to all projects that are not considered ecologically exempt. These conditions have been evaluated for the project locations listed below.

ESR Name:	Agency:	Submitted for Coordination Date:	Coordination Complete Date:	Were project specific comments received?
LUC-SR 25-5.04 Struc Repl	USFWS	11/4/2022	12/15/2022	Yes

Additional Coordination Considerations:

Are other ecological coordination requirements applicable?: Yes

Details regarding the additional coordination efforts are provided in the Remarks box below.

National scenic river: No

State scenic river: No

Individual Coastal Consistency: No

Jurisdictional Determination: No

Project specific Biological Assessment Verification: Yes

Mussel survey: No

Other: No

Remarks:



Environmental Document Level: D1

PID 79901 LUC SR 25 05.04 Struc Repl

Approved: 5/2/2023

Based on the field reconnaissance conducted by CCS personnel on 8/24/2022, 2.80 acres of Suitable Wooded Habitat (SWH) is located within the proposed construction limits. The proposed project is expected to impact 2.22 acres of SWH within 100' of the edge of pavement (EOP), 0.23 acre of SWH beyond 100' (but less than 300') from the EOP, and 0.35 acre of SWH outside 100' EOP and within 50' of a perennial stream. Tree removal will occur between October 1 and March 31 to protect the Indiana bat and northern long-eared bat during the summer roosting period. Per the 2016 Programmatic Biological Opinion (PBO) (rev. 12/17), 1.02 acres of credit will be deducted from the Sunday Creek Coal Company 2 Bat Conservation Area (SCCC2) pooled mitigation site. ODOT determined the project will have no effect on any other federally listed species or proposed or designated critical habitat. The project is non-notifying to ODNR, but requires formal consultation with USFWS for potential impact to federally listed bat species. ODOT sent a formal consultation request to USFWS on 11/03/2022 with the effect call that the project May Affect, and is Likely to Adversely Affect the Indiana bat and the northern long-eared bat. On 11/28/2022, USFWS requested additional conference regarding the proposed federally listed tricolored bat. On 12/02/2022, ODOT responded with the determination that the project may affect, but is unlikely to jeopardize the continued existence of the tricolored bat. In a letter dated 12/14/2022 USFWS confirmed that, based on ODOT's use of winter tree clearing and deduction of mitigation credit from SCCC2, the proposed project's effects on the Indiana bat and northern long-eared bat are consistent with those in the PBO. The USFWS determined that the project is consistent with the conservation measures and scope of the program analyzed in the PBO is not likely to jeopardize the continued existence of the Indiana bat and northern long-eared bat. The USFWS also determined that the avoidance and minimization measures ODOT committed to implementing for the protection of the Indiana bat and the northern long-eared bat will also be protective of the tricolored bat and will avoid the likelihood of jeopardizing the continued existence of the tricolored bat. Agency coordination documents have been uploaded to the Project File under Ecological / Coordination.

Are there any environmental commitments? Yes



Other Resources

Farmlands

The proposed project is located within an Urbanized Area Yes

The proposed project is located in an area that is in or committed to urban development or water storage and is therefore not subject to the Farmland Policy Protection Act (FPPA) in accordance with 7 CFR 658. No further coordination is required.

FCIR Required Completion of the Farmland Conversion Impact Form is required and coordination with USDA & NRCS is required.

Remarks:

Based upon review of appropriate mapping, the proposed project is located in an urbanized area zoned for non-agricultural purposes and is not in an agricultural district. Therefore, the proposed project meets the terms and conditions of the Memorandum of Understanding between the Natural Resource Conservation Service and the Ohio Department of Transportation for Projects Involving Farmlands (Agreement No. 19552), executed on March 15, 2016. No further coordination is required.

- Urbanized Area Mapping has been uploaded to the Project File under Other Resources / Farmlands / Census Bureau Urbanized Area Map.

Are there any environmental commitments? No

Drinking Water

The proposed project is wholly or partially located within the USEPA designated boundaries of a Sole Source Aquifer No

	Present:	Impacted:
The proposed project is wholly or partially located within the OEPA designated boundaries of a Source Water Protection Area	No	

Coordination with the Local Public Water Administrator is required No

	Present:	Impacted:
Residential Wells are present	No	

Remarks:



Environmental Document Level: D1
PID 79901 LUC SR 25 05.04 Struc Repl

Approved: 5/2/2023

Based on review of OEPA Source Water Assessment and Protection Program mapping, the project is not located within or in close proximity to public water systems, water source protection areas, or sole source aquifers. Based on a review of the ODNR Water Well mapping, no residential wells are located within or in close proximity to the project area.

- Related mapping has been uploaded to the Project File under Other Resources / Drinking Water.

Are there any environmental commitments? No



Section 4(f)

Section 4(f) Determination

Section 4(f) properties are within and/or adjacent to the proposed project area Yes

Concurrence received from the OWJ Yes

Were there multiple OWJs? No

Date concurrence received:

	Present:	Impacted:
Publicly owned Park(s):	Yes	Yes
Publicly owned recreation facility(ies) and/or area(s):	No	
Wildlife and Waterfowl refuge(s):	No	
Historic Site(s):	No	

Identified Section 4(f) Properties

Identified 4(f) Properties

Property Name	Type	Permanent ROW/Easement Acres	Temporary ROW/Easement Acres	4(f) finding	Date
Delaware Park	Publicly owned Park	0.144	1.994	De Minimis	03/09/2023
Delaware Creek Park	Publicly owned Park	0.420	0.119	De Minimis	03/09/2023

Remarks:



Approved: 5/2/2023

Delaware Park consists of wooded greenspace along Delaware Creek upstream of the culvert under SR 25, owned by the City of Toledo. The proposed construction activities will require 1.994 acres of temporary and 0.144 acre of permanent right-of-way acquisition including channel easements, from Delaware Park.

Delaware Creek Park consists of wooded greenspace with a small watercraft launch along Delaware Creek downstream of the culvert under SR 25, owned by the City of Toledo. The project will require 0.420 acre of temporary and 0.119 acre of permanent right-of-way acquisition including channel easements, from Delaware Creek Park.

An OWJ *de minimis* coordination email was sent to Joe Fausnaugh, the Director of Parks, Recreation, and Youth Services for the City of Toledo. On 01/19/2023, Director Fausnaugh emailed a response, concurring with the measures to minimize harm and the assessment of impacts regarding the proposed project. No public comments were received regarding the proposed project's impacts to the park facilities.

A Section 4(f)/6(f) Determination Request Form (DRF) for Recreational properties was submitted to ODOT-OES Policy Staff on 02/23/2023. On March 9, 2023, OES determined that a *de minimis* impact will occur to Delaware Park and Delaware Creek Park in accordance with 23 CFR 774. The determination was made based on the proposed scope of work and concurrence received from the OWJ regarding the assessment of impacts that are included in the DRF.

- A copy of the Section 4(f) Determination Interoffice Communication has been uploaded to the Project File under Section 4(f) / Coordination.

Are there any environmental commitments? Yes



Section 6(f)

Section 6(f) Determination

Section 6(f) Determination

Present:		Impacted:
6(f) Properties:	No	

Remarks:

Based on review of the Trust for Public Land's Land and Water Conservation Fund (LWCF) project mapping, no Section 6(f) properties were identified within or adjacent to the proposed project area. No additional coordination is required.

- A map showing local LWCF listings has been uploaded to the Project File under Section 6(f) / Project Information / LWCF Grant Listing.

Are there any environmental commitments? No



Community Impacts

Community Impacts

Will the proposed action comply with the local/regional development patterns for the area? Yes

Remarks:

The project is listed on the Statewide Transportation Improvement Program (STIP) and is therefore consistent with regional transportation plans. The actions of the proposed project are expected to align with local and regional development patterns and current/planned land uses.

Will the proposed action result in substantial negative impacts to community cohesion? No

Remarks:

The proposed project will replace an existing culvert and is not expected to result in substantial negative impacts to community cohesion. The project will maintain a safe route of travel for motorists and pedestrians. Potential road closures during construction will be temporary in nature. No concerns regarding adverse impacts to community cohesion were identified during public involvement activities.

Will the proposed action result in indirect or cumulative impacts? No

Remarks:

The proposed project involves replacing an existing culvert in order to maintain a safe route of travel for vehicular and pedestrian users. The project will not change vehicle mix, traffic volumes, or access in the project area. Given the scope of work, there are no reasonably foreseeable indirect or cumulative impacts anticipated.

Will the proposed action result in substantial impacts on health and educational facilities, public utilities, fire, police, emergency services, religious institutions, public transportation, pedestrian and bicycle facilities? No

Remarks:

Construction of the project will not permanently impact routes of transit for health and educational facilities, public utilities, fire, police, emergency, religious institutions, public transportation, or pedestrian and bicycle facilities. Maintenance of traffic will be determined during the design phase of the project. However, any local road closures, if needed, will be temporary in nature and a detour route will be provided. This detour may temporarily increase travel times for emergency service providers and school transportation services. These entities were included in the public involvement process. No comments related to impacts on health and educational facilities, public utilities, fire, police, emergency services, religious institutions, public transportation, or pedestrian and bicycle facilities were received.

Will the proposed action displace residents, businesses, institutions or farms? No

Remarks:

The proposed project will not displace any residents, businesses, institutions or farms.



Approved: 5/2/2023

Will the proposed project result in impacts to Underrepresented Populations (Limited English Proficiency, Older Adults, or Adults with Disabilities) raised during Public Involvement?

No

Remarks:

The proposed project will replace an existing culvert and is not expected to result in negative impacts to Underrepresented Populations. The project will maintain a safe route of travel for motorists and pedestrians. Potential road closures during construction will be temporary in nature. No concerns regarding adverse impacts to Underrepresented Populations were identified during public involvement activities.

Are there any Environmental Commitments? No



Environmental Justice

Environmental Justice

Identified Environmental Justice Populations

Census Block Group #	% Minority	% Low Income
390950045041	8	32
390950045013	16	19

Are Environmental Justice Populations located within and/or adjacent to the proposed project area? Yes

Are there any relocations? No

Will there be changes to access? No

Will the proposed project result in unanticipated additional impacts to any Environmental Justice Populations? No

Were any concerns related to impacts on Environmental Justice Populations or any other unique factors that could result in a disproportionately high and adverse effect raised during public involvement? No

Remarks:

A review of the ODOT Transportation Information Mapping System (TIMS) indicated that Minorities, Low Income, Older Adults, and Linguistically Isolated populations are present within the project area. No businesses or residences will be acquired or relocated. Per the HUD Resource Locator, there is no Section 8 or HUD housing adjacent to the project area.

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.

- Census mapping and HUD Resource mapping has been uploaded to the Project File under Underserved Populations / Project Information.

Are there any Environmental Commitments? No



Public Involvement

Public Involvement

Please provide a summary of the Public Involvement activities that have been conducted for this project. (For example press releases, letters to affected property owners and residents, meetings, special purpose meetings, newspaper articles, etc)

An abbreviated Public Engagement Plan was developed for the project. A Virtual Open House Meeting was held on the ODOT project web page from January 16 through February 17, 2023. The week of January 9, 2023, invitation letters, a copy of the project fact sheet, and a comment form were sent to 96 addresses associated with area property owners and to 16 stakeholders and public/emergency service providers. Open House meeting materials were also emailed to Edith Kippenhan (City of Toledo Division of Environmental Services) and Cherie Blair (Ohio EPA) for distribution on local neighborhood social media groups and to the Maumee Area of Concern mailing list. ODOT also issued a news release regarding the project. Interested individuals were asked to review project information and provide comments by February 17, 2023. The meeting invitation also included information regarding proposed impacts to the Section 4(f) resources in the project area and requested public input.

Is there any substantial environmental controversy on environmental grounds?

No

Please summarize the Public Involvement responses received.

A total of five public comments were received. Three comments referred to tree clearing that occurred near the project area in 2022. As any prior tree clearing is unrelated to ODOT's current project, commenters were directed to the City of Toledo for further information. One commenter asked if the project would involve improvements to the local roads. The response indicated that local roads are the jurisdiction of the City of Toledo. One comment was regarding the potentially historic nature of the culvert. The commenter was sent a Section 106 Consulting Party Acknowledgement Letter. Further details on the cultural resources coordination for the project can be found in the Cultural Resources tab.

- All public involvement materials, comments, and responses to comments have been uploaded to the Project File under Public Involvement / Project Information.

Are there any Environmental Commitments? No



Permits

Waterway Permits

Are Waterway Permits required?	Yes
Is the Waterway Permits Determination Complete?	Yes
Army Corps of Engineers	
Regional General Permit (RGP):	Yes
Nationwide Permit (NWP):	No
Section 404 Individual Permit:	No
Section 10 Permit:	No
Ohio EPA	
Section 401 Water Quality Certification:	No
Level 1 General Isolated Wetland Permit:	No
Level 2 Individual Isolated Wetland Permit:	No
Level 3 individual Isolated Wetland Permit:	No
US Coast Guard	
Section 9 Coordination:	No
Section 9 Bridge Permit:	No
ODNR	
Shore Structure Permit :	No

Remarks:

ODOT-OES issued a Permit Determination for the project on 03/23/2023. Per this determination, the proposed work can be completed under the Regional General Permit (RGP) B: Maintenance with Pre-Construction Notification. ODOT must obtain all required waterway permits prior to any in-stream work occurring. Stream mitigation is required for the 317 feet of permanent impact to Delaware Creek (excluding the 348 feet of existing culvert).

Are there any environmental commitments? Yes

Storm Water Permits

NPDES Construction General Permit for Stormwater (NOI):	Yes
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**Environmental Document Level: D1**

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Approved: 5/2/2023

Watershed Specific NPDES Construction General Permit for Stormwater (NOI):

No

Remarks:

As the earth disturbed area is greater than 1 acre, an NPDES permit will need to be obtained for this project. ODOT will submit a Notice of Intent (NOI) to the OEPA requesting coverage under a National Pollutant Discharge Elimination System (NPDES) General Construction Permit. The contractor will be responsible for developing a Storm Water Pollution Prevention Plan (SWPPP) and obtaining co-permittee coverage under the NPDES General Construction permit issued by OEPA to ODOT, prior to the start of construction.

Are there any environmental commitments? No**Floodplains****The proposed project involves encroachment within a Special Flood Hazard Area (SFHA)**

Yes

EO 11988/NFIP Coordination and Documentation Completed

No

NFIP Local Floodplain Coordinator Notification Date

01/25/2023

Remarks:

Based on review of FEMA Flood Insurance Rate Maps (Panel 39095C0251E Effective 8/11/2011), the proposed project area is located within a 100-year floodplain and regulatory floodway. Construction will occur within the floodplain and floodway. Hydraulic and hydrologic calculations were performed as part of the Feasibility Study. Results of the analyses indicate that the proposed project is in compliance with all federal, state, and local floodplain standards.

Preliminary coordination with the City of Toledo Floodplain Administrator was initiated by ODOT District 2 on January 25, 2023, including the Letter of Notification, the Letter of Compliance, and the hydraulic calculations. The design-build contractor will be responsible for conducting final coordination with the local Floodplain Administrator prior to construction.

- FEMA FIRM mapping and additional documentation concerning floodplain coordination have been uploaded to the Project File under Permits / Floodplains.

Are there any environmental commitments? Yes**Landfills****Is a 2713 Permit required?**

No

Remarks:

Based on a review of the ORPS database as part of the screening for regulated materials, the project is not located within or adjacent to any landfills or hazardous waste storage facilities.

- A copy of the RMR Screening has been uploaded to the Project File under ESA / Reports/Regulated Materials Review Form.

Are there any environmental commitments? No



Environmental Commitments

Ecological

- 1) 1.02 acres of credit will be deducted from the Sunday Creek Coal Company 2 Bat Conservation Area (SCCC2) pooled mitigation site.
- 2) The Project Engineer shall add the following plan note to the design plans: Ensure impacts to the federally listed and protected Indiana bat and northern long-eared bat and the State listed and protected little brown bat and tricolored bat are avoided and minimized. Do not remove trees from April 1 through September 30. Perform all necessary tree removal from October 1 through March 31. Demarcate clearing limits in the field to avoid any unauthorized tree clearing. 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.

Section 4(f)

- 1) The Project Engineer shall add the following plan note to the design plans: Access to Delaware Park and Delaware Creek Park shall be maintained at all times during construction activities.
- 2) The Project Engineer shall add the following plan note to the design plans: The staging and/or storage of construction equipment or materials shall not take place outside proposed construction limits that are within the defined boundaries of Delaware Park and Delaware Creek Park.
- 3) The Project Engineer shall add the following plan note to the design plans: Temporary construction fencing will be installed along proposed construction limits prior to the start of construction activities to protect these recreational properties and the public.
- 4) The Project Engineer shall add the following plan note to the design plans: The contractor shall be required to closely coordinate the construction schedule with ODOT and the City of Toledo parks department prior to the start of construction activities.

Permits - Waterway Permits

- 1) ODOT will obtain all appropriate waterway permits prior to any work within the jurisdictional boundary of any waterway, including wetlands, and all Waterway Permit Special Provisions will be noted under Special Provisions in the plans and adhered to during construction.

Permits - Floodplains

- 1) ODOT will self permit prior to plan file.



Preparers and Approvals

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Approvals & Electronic Signatures

Approved & Electronically Signed By:	Approval Date:
Phoenix Golnick (PROGRAM ADMIN 3)	5/2/2023



Appendix

General

Aerial Map.pdf

County Map.pdf

USGS Quadrangle Topographical Map.pdf

Purpose and Need

District Acceptance - Purpose and Need.pdf

ESA

Project Related District Decision - ESA.pdf

Cultural Resources

Bridge Inspection.pdf

Consulting Party Comment Response.pdf

Consulting Party Comments.pdf

Consulting Party Request Acknowledgement.pdf

Historic Bridge Survey Form.pdf

Photographs.pdf

SHPO Comments

Transmittal 1 - Effect Determination

Tribal Comments - Miami Tribe.pdf

Tribal Consultation

Tribal Consultation - Correspondence List and Example Email.pdf

Tribal Response - Delaware Nation.pdf

Tribal Response - Eastern Shawnee Tribe.pdf

Tribal Response - Forest County Potawatomi.pdf

Tribal Response - Pokagon Band Potawatomi.pdf

Tribal Response - Shawnee Tribe.pdf

Ecological

Coordination with USFWS - Tier II email.pdf

ODNR Scenic River MOA Conditions

USFWS/ODNR Ecological MOA Conditions



Other Resources

Census Bureau Urbanized Area Map.pdf

Sole Source Aquifer Mapping.pdf

Water Source Protection Area Map.pdf

Well Log Data.pdf

Section 4(f)

OES Recreational 4(f) Determination.pdf

Environmental Justice

Census Mapping.pdf

HUD Resource Mapping.pdf

Public Involvement

Correspondence with Stakeholders.pdf

District Approval - Public Involvement Plan.pdf

Press Release.pdf

Project Fact Sheet.pdf

Public Comment Form.pdf

Public Comments Received.pdf

Public Involvement Plan.pdf

Public Notification Mailing List.pdf

Response to Public Comments.pdf

Stakeholder Contact List.pdf

Virtual Open House Meeting Flyer.pdf

Virtual Open House Meeting Invitation.pdf

Virtual Open House Meeting Social Media Posts.pdf

Permits

Coordination with Local Floodplain Administrator.pdf

FEMA FIRM.pdf

Floodplain Impacts.pdf

Hydrologic and Hydraulic Calculations.pdf

Letter of Compliance - ODOT Form LD-51.pdf

Letter of Notification - ODOT Form LD-52.pdf