



Photo 5. Looking southwest (upstream) at Silverville Branch from the south side of Bridge (158) 58-47-03027. 6/14/2021



Photo 6. Looking southwest (upstream) at Silverville Branch passing beneath Bridge (158) 58-47-03027. 6/14/2021



Photo 7. Looking northeast (downstream) at Silverville Branch from the north side of Bridge (158) 58-47-03027. 6/14/2021



Photo 8. Looking southeast (downstream) at Silverville Branch from the north side of Bridge (158) 58-47-03027. 6/14/2021

Bridge over Silverville Branch Replacement Project

Lawrence County, IN

Attachment 13 F-16



Photo 9. Looking north (upstream) at UNT Silverville Branch from SR 158 6/14/2021



Photo 10. Looking east from SR 158 at the pipe carrying UNT Silverville Branch beneath a private drive before immediately discharging into Silverville Branch in the northwest quadrant of the bridge. 6/14/2021



Photo 11. Looking west (upstream) from Silverville Branch at the pipe carrying UNT Silverville Branch beneath a private drive. 6/14/2021



Photo 12. Looking east at DP1 in the southwest quadrant of Bridge (158) 58-47-03027 between Silverville Branch and RSD3 6/14/2021.



Photo 13. Looking south at DP1 in the southwest quadrant of Bridge (158) 58-47-03027 between Silversville Branch and RSD3 6/14/2021



Photo 14. Soil profile of DP1. 6/14/2021



Photo 15. Looking northwest at DP2 in the northeast quadrant of Bridge (158) 58-47-03027 on the bank of Silversville Branch. 6/14/2021



Photo 16. Looking southeast at DP2 in the northeast quadrant of Bridge (158) 58-47-03027 on the bank of Silversville Branch. 6/14/2021.



Photo 17. Soil profile of DP2. 6/14/2021



Photo 18. Looking west at RSD3 from southwest quadrant of Bridge (158) 58-47-03027. 6/14/2021



Photo 19. Looking southwest at RSD3 from southwest quadrant of Bridge (158) 58-47-03027. 6/14/2021



Photo 20. Looking west at RSD2 from southeast quadrant of Bridge (158) 58-47-03027. 6/14/2021.



Photo 21. Looking west at RSD2 from southeast quadrant of Bridge (158) 58-47-03027. 6/14/2021



Photo 22. Looking east at RSD1 from northeast quadrant of Bridge (158) 58-47-03027. 6/14/2021

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site SR 158 over Silversville Creek-Des 1800113 City/County: Silversville, Lawrence Co Sampling Date: 6/14/2021
 Applicant/Owner: INDOT State: IN Sampling Point: 1
 Investigator(s): Hannah Deguch Section, Township, Range: S19, T5N, R2W
 Landform (hillslope, terrace, etc.): Roadside Slope Local relief (concave, convex, none): Concave
 Slope (%): 1-3% Lat: 38.85856 Long: -86.674827 Datum: UTM 16N
 Soil Map Unit Name Gatchel loam NWI Classification: Non-wetland

Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" present? Yes
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? present? Yes

SUMMARY OF FINDINGS (If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>N</u>	Is the sampled area within a wetland? <u>N</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>N</u>	
Indicators of wetland hydrology present? <u>N</u>	

Remarks: (Explain alternative procedures here or in a separate report.)
 DP1 was advanced in the roadside ditch area in the southwest quadrant of the study area.

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: <u>30' radius</u>)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet
1 <u>Ulmus americana</u>	55	Y	FACW	
2 <u>Liriodendron tulipifera</u>	25	Y	FACU	Total Number of Dominant Species Across all Strata: <u>6</u> (B)
3 <u>Aesculus glabra</u>	10	N	FAC	Percent of Dominant Species that are OBL, FACW, or FAC: <u>33.33%</u> (A/B)
4 _____				
5 _____				
	90 = Total Cover			
Sapling/Shrub stratum (Plot size: <u>15' radius</u>)	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet
1 <u>Cercis canadensis</u>	15	Y	FACU	
2 <u>Lindera benzoin</u>	10	Y	FACW	OBL species <u>0</u> x 1 = <u>0</u>
3 _____				FACW species <u>65</u> x 2 = <u>130</u>
4 _____				FAC species <u>30</u> x 3 = <u>90</u>
5 _____				FACU species <u>120</u> x 4 = <u>480</u>
	25 = Total Cover			UPL species <u>0</u> x 5 = <u>0</u>
Herb stratum (Plot size: <u>5' radius</u>)	Absolute % Cover	Dominant Species	Indicator Status	Column totals <u>215</u> (A) <u>700</u> (B)
1 <u>Dactylis glomerata</u>	60	Y	FACU	Prevalence Index = B/A = <u>3.26</u>
2 <u>Lolium perenne</u>	20	Y	FACU	
3 <u>Alliaria petiolata</u>	10	N	FAC	
4 <u>Toxicodendron radicans</u>	10	N	FAC	
5 _____				
6 _____				
7 _____				
8 _____				
9 _____				
10 _____				
	100 = Total Cover			
Woody vine stratum (Plot size: <u>30' radius</u>)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:
1 _____				
2 _____				____ Dominance test is >50%
	0 = Total Cover			____ Prevalence index is ≤3.0*
				____ Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)
				____ Problematic hydrophytic vegetation* (explain)
				*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
				Hydrophytic vegetation present? <u>N</u>

Remarks: (Include photo numbers here or on a separate sheet)
 Photos 12 - 14

SOIL

Sampling Point: 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type*	Loc**		
0-12	7.5YR 5/3	100					SiCilo	~1" ribbon test
12-20	7.5YR 4/1	100					SiCilo	Rocky

*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators: <input type="checkbox"/> Histisol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) <input type="checkbox"/> 2 cm Muck (A10) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)		<input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8)		Indicators for Problematic Hydric Soils: <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) <input type="checkbox"/> Dark Surface (S7) (LRR K, L) <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (explain in remarks)	
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*Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric soil present? <u> N </u>
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Remarks:
Well drained. No hydric soil field indicators were observed

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Water-Stained Leaves (B9)		<input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> True Aquatic Plants (B14) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Gauge or Well Data (D9) <input type="checkbox"/> Other (Explain in Remarks)		Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> FAC-Neutral Test (D5)	
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Field Observations: Surface water present? Yes _____ No <u> X </u> Depth (inches): _____ Water table present? Yes _____ No <u> X </u> Depth (inches): _____ Saturation present? Yes _____ No <u> X </u> Depth (inches): _____ (includes capillary fringe)	Indicators of wetland hydrology present? <u> N </u>
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Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
No evidence of frequent and/or prolonged hydrology observed. Fails FAC-Neutral Test 3:4.

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site SR 158 over Silverville Creek-Des 1800113 City/County: Silverville, Lawrence Co Sampling Date: 6/14/2021
 Applicant/Owner: INDOT State: IN Sampling Point: 2
 Investigator(s): Hannah Deguch Section, Township, Range: S19, T5N, R2W
 Landform (hillslope, terrace, etc.): Roadside Slope Local relief (concave, convex, none): Concave
 Slope (%): 1-3% Lat: 38.513088 Long: -86.40285 Datum: UTM 16N
 Soil Map Unit Name Gatchel loam NWI Classification: Non-wetland

Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" present? Yes
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? present? Yes

SUMMARY OF FINDINGS (If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>N</u>	Is the sampled area within a wetland? <u>N</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>N</u>	
Indicators of wetland hydrology present? <u>N</u>	

Remarks: (Explain alternative procedures here or in a separate report.)
 DP2 was advanced in the northeast quadrant of the study area, near Silverville Branch.

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: <u>30' radius</u>)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet
1 <u>Acer nigrum</u>	55	Y	FACU	
2 <u>Juglans nigra</u>	20	Y	FACU	Total Number of Dominant Species Across all Strata: <u>3</u> (B)
3 _____				Percent of Dominant Species that are OBL, FACW, or FAC: <u>0.00%</u> (A/B)
4 _____				
5 _____				
	<u>75</u>	= Total Cover		
Sapling/Shrub stratum (Plot size: <u>15' radius</u>)	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet
1 _____				
2 _____				OBL species <u>0</u> x 1 = <u>0</u>
3 _____				FACW species <u>2</u> x 2 = <u>4</u>
4 _____				FAC species <u>10</u> x 3 = <u>30</u>
5 _____				FACU species <u>165</u> x 4 = <u>660</u>
	<u>0</u>	= Total Cover		UPL species <u>0</u> x 5 = <u>0</u>
				Column totals <u>177</u> (A) <u>694</u> (B)
				Prevalence Index = B/A = <u>3.92</u>
Herb stratum (Plot size: <u>5' radius</u>)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators: _____ Rapid test for hydrophytic vegetation _____ Dominance test is >50% _____ Prevalence index is ≤3.0* _____ Morphological adaptations* (provide supporting data in Remarks or on a separate sheet) _____ Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
1 <u>Dactylis glomerata</u>	60	Y	FACU	
2 <u>Solidago canadensis</u>	20	N	FACU	
3 <u>Alliaria petiolata</u>	10	N	FAC	
4 <u>Bromus inermis</u>	10	N	FACU	
5 <u>Impatiens capensis</u>	2	N	FACW	
6 _____				
7 _____				
8 _____				
9 _____				
10 _____				
	<u>102</u>	= Total Cover		
Woody vine stratum (Plot size: <u>30' radius</u>)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic vegetation present? <u>N</u>
1 _____				
2 _____				
	<u>0</u>	= Total Cover		

Remarks: (Include photo numbers here or on a separate sheet)
 Photos 15 - 17

SOIL

Sampling Point: 2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type*	Loc**		
0-24	7.5YR 5/2	100					SiClLo	Alluvium

*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators: <input type="checkbox"/> Histisol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) <input type="checkbox"/> 2 cm Muck (A10) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)		<input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8)		Indicators for Problematic Hydric Soils: <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) <input type="checkbox"/> Dark Surface (S7) (LRR K, L) <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (explain in remarks)	
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*Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric soil present? <u> N </u>
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Remarks:
Well drained, non-hydric soil. Alluvium

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Water-Stained Leaves (B9)		<input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> True Aquatic Plants (B14) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Gauge or Well Data (D9) <input type="checkbox"/> Other (Explain in Remarks)		Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> FAC-Neutral Test (D5)	
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Field Observations: Surface water present? Yes _____ No <u> X </u> Depth (inches): _____ Water table present? Yes _____ No <u> X </u> Depth (inches): _____ Saturation present? Yes _____ No <u> X </u> Depth (inches): _____ (includes capillary fringe)	Indicators of wetland hydrology present? <u> N </u>
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Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
No hydrology indicators. Fails FAC-Neutral Test 1:5.

Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD: June 22, 2022

B. NAME AND ADDRESS OF PERSON REQUESTING PJD: Neal Bennett, Butler, Fairman, & Seufert, Inc.,
8450 Westfield Blvd., Indianapolis, IN 46240

C. DISTRICT OFFICE, FILE NAME, AND NUMBER:

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:

INDOT-Vincennes District has identified the need to address the deteriorated condition of the bridge #(158)58-47-03027 (National Bridge Inventory (NBI) #028000) over Silverville Creek. The project is located along SR 158, approximately 7.94 miles west of SR 458 in Lawrence County, Indiana. The project intends to remove and replace the existing bridge, which is a single span concrete stringer/multi-beam bridge. The existing structure, built 1938, is approximately 24 feet in length and an out-to-out width of 31.3 feet, and a height of 8.4 feet. The replacement bridge will be a three-sided, flat-topped box culvert, with a length of approximately 32-feet, an out-to-out width of 52-feet-6 inches, and a height of 9-feet 11-inches. Riprap will be installed (6-feet wide, 52-feet-6 inches long, 4-feet deep) in front of both vertical walls for scour prevention. Additional guardrail and shoulder work will be performed along SR 158, but the exact amount has yet to be determined. The overall project length will be approximately 500 feet.

(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)

State: **Indiana** County/parish/borough: **Lawrence** City: **Silverville**

Center coordinates of site (lat/long in degree decimal format):

Lat.: **38.85856°N** Long.: **-86.674827°W**

Universal Transverse Mercator: UTM 16: **528213, 4301131**

Name of nearest waterbody: **Indian Creek**

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date:

Field Determination. Date(s):

TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH “MAY BE” SUBJECT TO REGULATORY JURISDICTION.

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource “may be” subject (i.e., Section 404 or Section 10/404)
Silverville Branch	38.85856°N	-86.674827° W	100 linear feet	Non-wetland waters	Section 404
UNT to Silverville Branch	38.513137°N	-86.402980°W	75 linear feet	Non-wetland waters	Section 404

- 1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.
- 2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there "*may be*" waters of the U.S. and/or that there "*may be*" navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:


SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

- Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:
Map: Williams USGS 7.5-minute Quadrangle, Aerial and State Location Map
- Data sheets prepared/submitted by or on behalf of the PJD requestor.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report. Rationale: _____
- Data sheets prepared by the Corps: _____
- Corps navigable waters' study: _____
- U.S. Geological Survey Hydrologic Atlas: NHD Silverville
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: USGS Williams, IN 7.5-minute Quad
- Natural Resources Conservation Service Soil Survey. Citation: Websoil Survey Lawrence County County, IN
- National wetlands inventory map(s). Cite name: USFWS Lawrence County, IN Map
- State/local wetland inventory map(s): _____
- FEMA/FIRM maps: Larence County
- 100-year Floodplain Elevation is: N/A (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): 2017 Orthophotography
or Other (Name & Date): Site Photos taken June 14, 2021
- Previous determination(s). File no. and date of response letter: _____
- Other information (please specify): _____

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Signature and date of
Regulatory staff member
completing PJD



6/22/2022
Signature and date of
person requesting PJD
(REQUIRED, unless obtaining
the signature is impracticable)¹

¹ Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

Appendix G

Public Involvement

SAMPLE LETTER

May 26, 2021

NOTICE OF SURVEY

RE: Topographic Survey for Replacement of SR 158 Bridge over Silverdale Creek, 7.94 miles West of SR 458, INDOT Des. No. 1800133, Lawrence County, Indiana

Dear Property Owner(s):

The Indiana Department of Transportation has selected Butler, Fairman and Seufert, Inc., to survey the referenced project. Courthouse records show that you are a property owner within the limits of the area where data will be collected for the project survey. It may be necessary for our employees to enter your property to complete this work. This is permitted by law per Indiana Code IC 8-23-7-26. If you have sold this property, or it is occupied by someone else, please let us know the name and address of the new owner or current occupant so we can contact them about the survey.

At this stage, we generally do not know what effect, if any, our project can eventually have on your property. If we determine later that your property is involved, we will contact you with additional information.

The survey work may include mapping the location of features such as trees, buildings, fences and drives, and obtaining ground elevations along with the identification and mapping of wetlands and historic resources, archaeological investigations (which may involve the survey, testing, or excavation of identified archaeological sites) and various other environmental studies. The information we obtain from the survey and studies is necessary for the proper planning and design of the transportation project. Please be assured of our sincere desire to cause you as little inconvenience as possible during this survey. If problems do occur, please contact our field crew or contact me at the telephone number or address shown above or the included e-mail address.

Sincerely,

Mark W. Neal, P.S.
mneal@bfsengr.com

SAMPLE LETTER

June 20, 2022

NOTICE OF SURVEY

RE: Archaeological Survey for Replacement of SR 158 Bridge over Silverdale Creek, 7.94 miles West of SR 458, INDOT Des. No. 1800133, Lawrence County, Indiana

Dear Property Owner(s):

The Indiana Department of Transportation has selected Butler, Fairman and Seufert, Inc., to survey the referenced project. Courthouse records show that you are a property owner within the limits of the area where data will be collected for the project survey. It may be necessary for our employees to enter your property to complete this work. This is permitted by law per Indiana Code IC 8-23-7-26. If you have sold this property, or it is occupied by someone else, please let us know the name and address of the new owner or current occupant so we can contact them about the survey.

At this stage, we generally do not know what effect, if any, our project can eventually have on your property. If we determine later that your property is involved, we will contact you with additional information.

The survey work may include mapping the location of features such as trees, buildings, fences and drives, and obtaining ground elevations along with the identification and mapping of wetlands and historic resources, archaeological investigations (which may involve the survey, testing, or excavation of identified archaeological sites) and various other environmental studies. The information we obtain from the survey and studies is necessary for the proper planning and design of the transportation project. Please be assured of our sincere desire to cause you as little inconvenience as possible during this survey. If problems do occur, please contact our field crew or contact me at the telephone number or address shown above or the included e-mail address.

Sincerely,



Brittney Layton
blayton@bfsengr.com

Appendix H

Air Quality

Indiana Department of Transportation (INDOT)

State Preservation and Local Initiated Projects FY 2022 - 2026

SPONSOR	CONTRACT # / LEAD DES	STIP NAME	ROUTE	WORK TYPE	DISTRICT	MILES	FEDERAL CATEGORY	Total Cost of Project*	PROGRAM	PHASE	FEDERAL	MATCH	2022	2023	2024	2025	2026
Indiana Department of Transportation	41469 / 1593092	M 08	SR 58	Small Structure Replacement	Vincennes	0	STBG		Bridge ROW	RW	\$30,976.00	\$7,744.00	\$18,000.00	\$20,720.00			
Performance Measure Impacted: Bridge Condition																	
Location: 8.87 miles E of S Jct SR-37																	
Comments: Move RW phase from FY 22 to FY 23. Includes des 1701050, 1701044, 1900296. No MPO.																	
Indiana Department of Transportation	41583 / 1500061	Init.	SR 37	Added Travel Lanes, Construct Turn Lanes	Vincennes	.171	NHPP	\$2,723,060.00	Mobility Construction	CN	\$1,746,400.00	\$436,600.00	\$20,000.00	\$2,163,000.00			
									Mobility ROW	RW	\$16,000.00	\$4,000.00	\$20,000.00				
Performance Measure Impacted: Pavement Condition																	
Location: At John Williams Blvd.																	
Comments: Include DES 1500060, 1500061																	
Lawrence County	42010 / 1802904	Init.	IR 1139	Signing	Vincennes	0	STBG	\$1,095,780.00	Local Funds	CN	\$0.00	\$90,388.00		\$90,388.00			
									Local Safety Program	CN	\$813,492.00	\$0.00		\$813,492.00			
Performance Measure Impacted: Safety																	
Location: Lawrence County - District 2 (see attached Project Location Map for details)																	
Comments: Include DES 1902791, 1802904																	
Indiana Department of Transportation	42174 / 1800133	Init.	SR 158	Bridge Replacement	Vincennes	0	STBG	\$2,960,962.00	Bridge ROW	RW	\$23,200.00	\$5,800.00		\$29,000.00			
									Bridge Construction	CN	\$2,345,569.60	\$586,392.40			\$2,931,962.00		
Performance Measure Impacted: Bridge Condition																	
Location: Over Silverville Creek, 07.94 mi W SR-458																	
Comments: Include DES 1800135, 2000651, 1800133																	
Indiana Department of Transportation	42194 / 1900249	Init.	SR 57	Intersection Improvement, Median Expansion	Vincennes	0	NHPP	\$3,000,000.00	Safety ROW	RW	\$1,100,000.00	\$1,100,000.00		\$89,000.00			
									Safety Construction	CN	\$2,946,954.40	\$736,738.60			\$3,683,693.00		
Performance Measure Impacted: Safety																	
Location: At 1.68 mi S of S Jct of US-50 (Wesley Chapel Rd/CR500S)																	
Comments: Include DES 1900255, 1900249																	
Indiana Department of Transportation	42698 / 2000420	Init.	SR 158	Bridge Painting	Vincennes	0	STBG	\$396,000.00	Bridge Consulting	PE	\$52,800.00	\$13,200.00	\$66,000.00				
									Bridge Construction	CN	\$264,000.00	\$66,000.00	\$330,000.00				

*Estimated Costs left to Complete Project column is for costs that may extend beyond the four years of a STIP. This column is not fiscally constrained and is for information purposes.

Appendix I

Additional Studies

Land and Water Conservation Fund (LWCF) County Property List for Indiana (Last Updated March 2022)

Project Number	SubProject Code	County	Property
1800132	1800132	Lawrence	Mitchell Park and Pool
1800161	1800161C	Lawrence	Spring Mill State Park
1800171	1800171N	Lawrence	Spring Mill State Park
1800177	1800177C	Lawrence	Spring Mill State Park
1800309	1800309B	Lawrence	Spring Mill State Park
1800312	1800312P	Lawrence	Spring Mill State Park
1800363	1800363DD	Lawrence	Spring Mill State Park
1800413	1800413T	Lawrence	Spring Mill State Park
1800612	1800612	Lawrence	Spring Mill State Park
1800010	1800010	Lawrence	Spring Mill State Park & Donaldson's Cave Nature Preserve
1800180	1800180	Lawrence	Spring Mill State Park & Donaldson's Cave Nature Preserve
1800433	1800433	Lawrence	Spring Mill State Park & Donaldson's Cave Nature Preserve
1800162	1800162	Lawrence	Spring Mill State Park & Donaldson's Cave Nature Preserve

*Park names may have changed. If acquisition of publically owned land or impacts to publically owned land is anticipated, coordination with IDNR, Division of Outdoor Recreation, should occur.

Bridge Inspection Report

(158)58-47-03027
SR 158
over
SILVERVILLE CREEK



Inspection Date: 08/09/2022

Inspected By: Jariah W. Besing

Inspection Type(s): Routine

Inspector: Besing, Jariah W.
Inspection Date: 08/09/2022

Structure Number: 028000
Facility Carried: SR 158

Bridge Inspection Report

Approach Slabs: * Indicate if present & condition rating.

N - No Approach Slabs

Comments:

Paint: * Indicate if paint present, year painted & condition rating.

N - No Paint

N

Comments:

Endangered Species: * If yes, add one photo to the dropdown field

Bats: seen or heard under structure? *	N
--	---

Birds/swallows/nests seen? Empty nests present? *	Y
---	---

BRIDGE Culvert Geometry:

Barrel Length:

Height:

Width: