FHWA-Indiana Environmental Document CATEGORICAL EXCLUSION / ENVIRONMENTAL ASSESSMENT FORM GENERAL PROJECT INFORMATION

Road	No./County:	Clinton Street / Vigo County	
Desig	nation Number(s):	1901781	
Project Descr	ct ription/Termini:	Road rehabilitation project on Avenue, in Otter Creek Towns	Clinton Street, from Park Avenue to Imperial
	•		•
X	Categorical Exclusion	Level 2 – Required Signatories: II	NDOT DE and/or INDOT ESD
	Categorical Exclusion	Level 3 – Required Signatories: Il	NDOT ESD
	Categorical Exclusion	Level 4 – Required Signatories: II	NDOT ESD and FHWA
	Environmental Assess	ment (EA) - Required Signatories	: INDOT ESD and FHWA
			ded a design change from the original approved de the appropriate environmental approval
Appro	val		
	INDOT	DE Signature and Date	INDOT ESD Signature and Date
	EHW	/A Signature and Date	
Releas	se for Public Involvem	NI/A	ADWP June 11, 2025
		INDOT DE Initials	and Date INDOT ESD Initials and Date
Certifi	cation of Public Invol		
		INDO	OT Consultant Services Signature and Date
INDOT [DE/ESD Reviewer Signature	and Date:	

Nora McDonald, Metric Environmental LLC

Name and Organization of CE/EA Preparer:

County	Vigo		Route	Clinton Street	De	es. No.	1901781	
	er to the most on the most of this form.	current INDOT	CE Manual, guidand	ce language, and o	other ESD resourc	es for fur	ther guidan	ce regarding
			<u> Part I – P</u>	ublic Invol	<u>vement</u>			
			of public involvement of public involvement					
If N	No, then:		bridge processed u	nder the Historic E		Yes	No X	
		a Public Hear	-		L	X		
	earing is require PO, and the AC		c bridges processe	d under the Histori	c Bridges Progran	nmatic Ag	greement be	etween INDOT,
			s (legal notices, lette spaper articles, etc			residents	(i.e. notice	of entry),
notifying	them about th	ne project and	o potentially affect that individuals rice of Entry letter	esponsible for la	nd surveying an			
(INDOT) public an local publ	Project Developportunity to lication contin	lopment Publ o submit com ngent upon the	equirements descrict Involvement Proments and/or requerelease of this denents are fulfilled	ocedures Manua uest a public hea locument for pub	I which requires ring. Therefore	the proj , a legal	ect sponsonotice will	or to offer the appear in a
	olic controversy		onmental Gro		acts, including wh	at is bein	g done durii	ng the project to
At this tim	ne, there is no	o substantial p	oublic controversy	concerning imp	acts to the comn	nunity or	to natural	resources.
<u>Par</u>	t II - Gene	eral Proje	ct Identifica	<u>ıtion, Descı</u>	ription, and	l Desi	gn Info	<u>rmation</u>
Sponsor o	f the Project:	\	/igo County			INDO	T District:	Crawfordsville
-	ne of the Facilit		Clinton Street			_		
Fu	nding Source (mark all that a	o <i>ply</i>): Feder	al X State	Local X	Othe	r*	
*If	other is selecte	ed, please iden	tify the funding sou	rce:		_		
This is	page 2 of 31	Project name	: Terre Haute	– Clinton Street R	ehabilitation	Date	: June 4	, 2025

County	Vigo	Route	Clinton Street	Des. No.	1901781	_
PURPOS	SE AND NEED:					

The need should describe the specific transportation problem or deficiency that the project will address. The purpose should describe the goal or objective of the project. The solution to the traffic problem should NOT be discussed in this section.

The primary need for this project is the current state of Clinton Street. The existing roadway surface is cracking, potholes are forming, and some sections of the roadway pavement are starting to sink into ruts. No sidewalks are present along Clinton Street causing pedestrians and pedestrians with disabilities to walk along the shoulders of the roadway. Clinton Street is a two-lane roadway with free-flowing traffic and no dedicated turning lanes, except for the signalized intersection at Park Avenue which is the southern terminus of the project area. The intersections between Park Avenue to Imperial Avenue are all stop controlled and lack dedicated turning lanes. The lack of dedicated turning lanes causes long queues in traffic during peak traffic hours. Since the side streets leading to Clinton Street are stop-controlled, it is up to drivers to decide when to turn into traffic on Clinton Street.

Crash data was analyzed for Clinton Street from Park Avenue to Hasselburger Avenue. Crash data was sourced from the county-wide crash analysis from the Local Technical Assistance Program (LTAP) 2014 – 2018 data and from Indiana's Automated Reporting Information Exchange System (ARIES) database maintained by the Indiana State Police. From this data, it was determined that the Clinton Street corridor had a total of 66 recorded crashes near intersections, with 12 accidents causing injuries or fatalities. Intersections along Clinton Street were found to have a higher rates of rear end crashes and off-road crashes. To further analyze incidences at intersections along the Clinton Street corridor, a RoadHAT analysis was performed following INDOT design guidance. RoadHAT evaluates the Index of crash frequency (ICF) on a scale of 0, meaning that the roadway is performing as expected, up to a 2, meaning that the roadway is performing worse than expected. For the Index of crash cost (ICC), the values are the same but 0 represents whether the crash severity was close to expected and 2 is if the crash was more severe than normal. The RoadHAT analysis for the study corridor resulted in an average ICF of 0.44 and an average index of crash cost (ICC) of 1.19. This indicates that though the crashes are not as frequent, the severity of the crash is more than what is expected for the small crash frequency. The results of this study found that the intersections along Clinton Street are performing worse than expected compared to similar intersection across the state of Indiana. Additional statistics and information about the crash studies can be found in Appendix I: I-1 to I-10.

The intersection of Hasselburger Avenue and Clinton Street is a stop-controlled intersection, with traffic stopping on Hasselburger Avenue. According to the RoadHAT analysis of Hasselburger Avenue, the intersection had an ICF of 2.07 and an ICC of 1.58. These values indicate that this intersection is experiencing more crashes that are more severe than the average for the study corridor. The RoadHAT analysis revealed that collisions at this intersection were predominantly left turn, right turn, or angled collisions. This analysis was verified by a twelve-hour turn movement study conducted by USI Consulting (USI) for the intersection during peak traffic hours. This analysis showed that there were a moderate number of turning movements from Hasselburger Avenue onto Clinton Street, which had a significantly higher amount of through traffic. Using this data USI determined that if the intersection was left as it is, Hasselburger Avenue would continue to have a higher frequency of crashes that are severe (Appendix I: I-7 to I-10).

An additional need for this project is due to the deteriorating condition of the bridge located just north of the Park Avenue intersection. The need for this project is due to the deteriorating condition of Bridge No. 84-00242 (Vigo County Bridge No. 242, National Bridge Index (NBI) No. 8400169). The bridge was assessed based on the bridge condition rating system. The bridge condition rating is a scaled system that rates the condition of bridges based on a 0-9 scale, with the lowest rating, 0, being a failed bridge and the highest rating, 9, being a bridge in excellent condition.

Bridge No. 84-00242 (Vigo County Bridge No. 242, NBI No. 8400169), which carries North Clinton Street over Otter Creek, is a three-span continuous concrete box beam bridge. The bridge, originally constructed in 1993, has not been rehabilitated since its construction. According to the June 12, 2024, excerpt *Bridge Inspection Report* and excerpt *Engineering Assessment Report*, the bridge assets had various condition ratings ranging from 4 (poor condition) to 7 (good condition) out of a possible 9 (excellent condition). The bridge deck and wearing surface were given a condition rating of 7 out of 9, with problems such as scattered hairline cracks and popouts throughout the concrete deck and wearing surface. It was also noted that there were cracks and spalling in both of the approach slabs of the bridge. The

This is page 3 of 31	Project name:	Terre Haute – Clinton Street Rehabilitation	Date:	June 4, 2025	

	County V	/igo		Route _	Clinton Street	-	Des. No.	1901781		
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	PROJECT D	ESCRIPTIO	N (PREFERRED	ALTERNA	ΓIVE):					
	County: Vi	igo		Municip	pality: Terre Ha	iute				
	Limits of Propo	osed Work:	Along Clinton	Street from th	ne Park Avenue to	o Imperial A	venue in T	erre Haute		
	Total Work Le	ength:	1.12 Mile	(s)	Total Work	〈 Area: _	5.82	_ Acre(s)		
	If yes, Accep ¹ If	when did the footability?	ired; a copy of the	etermination o	of Engineering and	-		Ves ¹ Date: WA with a re	No X quest for	
(current deficien	ncies, roadway	description, surro	unding feature	unty, roads, etc. E. s, etc. Preferred alt . Logical termini and	ternative shou	ıld include t	the scope of	work, anticip	
	from the Indi	iana Departm	ent of Transport	ation (INDO	Highway Adminis Γ), intends to proc f Terre Haute, Vig	ceed with a s	sidéwalk c			
	Township, V B-2). Land us intermittent for roadway that than the inte	igo County, luse in the vicir farmland (App t consists of t rsection at th	ndiana (Sections nity of the projec bendix B: B-3 to wo 12-foot (ft) tr e southern termi	s 25, 26, 35, a t is suburban B-18). This s avel lanes bo inus, there ar	enue to Imperial A and 36, Township , with a mix of con ection of Clinton S ordered by variable e no two ways let curb and gutter or	o 13 North, R mmercial an Street is a tw le 2 to 10 ft. ft turning lan	Range 9 Wad resident vo-lane ur paved and les (TWLT	/est) (Appei tial propertion ban–princip d gravel sho L) on Clinto	ndix B: B-1 es as well a eal arterial oulders. Oth on Street. Ti	to as her
	This is pag	ge 4 of 31 P	roject name:	Terre Haute –	Clinton Street Reh	abilitation	Date	e: <u>June 4,</u>	2025	

County	Vigo	Route	Clinton Street	Des. No.	1901781	

Existing Conditions

This project will focus on Clinton Street from Park Avenue to Imperial Avenue in the City of Terre Haute. This portion of Clinton Street provides access to businesses and residences located north of the City of Terre Haute. The existing roadway is exhibiting signs of pavement distress. Clinton Street is a two-lane roadway with free-flowing traffic. There are no dedicated turning lanes throughout the project area north of the Park Avenue intersection. Side streets intersecting with this stretch of Clinton Street are stop sign controlled and lack dedicated turning lanes. Due to this, drivers must determine when to turn onto Clinton Street. The crash data analyzed for the Clinton Street corridor showed that crashes are predominantly rear-end crashes, showing that the conditions for turning traffic are an issue along Clinton Street (Appendix I: I-1 to I-9). Additionally, there are no sidewalks are present adjacent to Clinton Street, causing pedestrians to walk along the shoulders of the roadway. The lack of sidewalks also makes Clinton Street inaccessible for pedestrians with disabilities (Appendix B: B-7 to B-18).

Bridge No. 84-00242 (Vigo County Bridge No. 242, National Bridge Index (NBI) No. 8400169), which carries North Clinton Street over Otter Creek, will also be rehabilitated as part of the project. Vigo County Bridge No. 242 is located near the southern terminus of the project area, approximately 0.10 miles north of Park Avenue. The bridge is a threespan continuous concrete box beam bridge. The bridge length is 156 ft. long, with a curb-to-curb width of 45.5 ft., outto-out deck width of 48.3 ft. and is set at a skew of 18 degrees. The bridge, originally constructed in 1993, has not been rehabilitated since its construction. According to the June 12, 2024, excerpt Bridge Inspection Report and excerpt Engineering Assessment Report, the bridge assets had various condition ratings ranging from 4 (poor condition) to 7 (good condition) out of a possible 9 (excellent condition). The bridge deck and wearing surface were given a condition rating of 7 out of 9, with problems such as scattered hairline cracks and popouts throughout the concrete deck and wearing surface. It was also noted that there were cracks and spalling in both of the approach slabs of the bridge. The bridge expansion joints had spalls and cracks in several locations. The superstructure and substructure were given a condition rating of 5 (fair condition) out of 9. The inspection report noted that there are shear cracks that measure up to 0.030 inches in length present near various beam ends bear the bridge piers. There is cracking on the beam surfaces and sides. The box beams of the bridge have 7 ft. spacing in-between. It was also noted that the beams of the bridge had weep holes drilled into them. These holes would have been needed to alleviate pressure from water build-up within the beams. The substructure of the bridge has scattered hairline cracks along the pier caps. The channel/channel protection of the stream banks was given a condition rating of a 6 (Satisfactory condition) out of a possible 9. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement, debris restricting the channel, and the stream banks are beginning to slump. The scour of the bridge was given a 4 (poor condition) out of 9. Piers 2 and 3 have scour on the piers, especially on the upstream portion of Pier 3. Pier 3 has 1.4 ft. of footing exposed (Appendix I: I-10 to I-12 and I-24 to I-27).

Preferred Alternative

The preferred alternative will include milling, widening, and resurfacing Clinton Street and the construction of a sidewalk with curb ramps to meet current ADA standards throughout the project area. The corridor between the north end of the bridge to Imperial Avenue will be widened and repaved to include two 12-foot travel lanes, a dedicated 12 ft. TWLTL, and variable width paved shoulders with 4-foot paved mailbox approaches. A traffic signal will be installed at the intersection of Hasselburger Avenue and Clinton Street, along with Americans with Disabilities Act (ADA) compliant curb ramps, and pedestrian push button pedestals. An 8 ft. wide asphalt pedestrian trail will be constructed along the east side of Clinton Street. The pedestrian trail will be separated from the roadway by a 10-foot grass buffer for the entire project length (Appendix B: B-19 to B-22).

The Vigo County Bridge No. 242 (Structure No. 84-00242, NBI No. 8400169) will be rehabilitated by reconstructing the deck, bridge exterior, reinforced concrete approaches, bridge railing, bridge rail transitions, and 7'-8" of deck copings. The exterior beams under the deck copings will be replaced. A new concrete sidewalk will be constructed on the east side of the bridge. New deck drains will be installed. The bridge railing and sidewalk will be surface sealed. Class 2 riprap will be installed around Pier 3 (Appendix B: B-46 to B-50).

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County	Vigo	Route	Clinton Street	Des. No.	1901781

Potential Impacts

The proposed construction of this project requires the acquisition of approximately 2.872 acres of permanent, 0.439 acres of temporary right-of-way, and 1.299 acres of reacquisition. The project will require a Construction Stormwater General Permit (CSGP) due to the estimated 5.82 acres of soil disturbance. To aid in reducing and mitigating project impacts to the environment, the project limits have been reduced to what is necessary to repave the roadway, add the additional turning lanes, construct the pedestrian trail, rehabilitate the bridge, and install traffic signals at the Hasselburger Avenue and Clinton Street intersection. Approximately 64 linear feet (lft.) of permanent impacts will occur to Otter Creek due to the placement of Class 2 riprap and approximately 107 lft. of temporary impacts will occur due to construction access below the bridge. This project will require an IDNR construction in a floodplain (CIF) permit, Section 401 Water Quality Certificate (WQC), and a Section 404 Regional General Permit (RGP) due to the impacts to Otter Creek.

Logical Termini/Independent Utility

The project termini are approximately 1.21 miles of Clinton Street, from Park Avenue to Imperial Avenue in the City of Terre Haute. The termini are logical, as they provide beginning and end points for the proposed project. The beginning and end points of the TWLTL from the north end of the bridge to Imperial Avenue will allow dedicated space for turning vehicles to move out of the way of through traffic where the intersecting side roads begin and end within the project corridor. This project has independent utility because it will not rely on the completion of another project to be considered completed.

The maintenance of traffic (MOT) for this project will be accomplished with phased construction and alternating lane closures. Additional details about the MOT can be found below in the MOT During Construction section of this CE.

OTHER ALTERNATIVES CONSIDERED:

Provide a header for each alternative. Describe all discarded alternatives, including the No Build Alternative. Explain why each discarded alternative was not selected. Make sure to state how each alternative meets or does not meet the Purpose and Need and why.

Various alternatives were discussed for this project in the Engineering Assessment report (Appendix I: I-16 to I-23). The following alternatives were considered for this project:

No Build

The No Build alternative would not address the deterioration of the existing structure. This alternative would require no expenditure of funds and there would be no impacts to the surrounding environment. Although this is a feasible option, it would not address the purpose and need of the project to rehabilitate the existing roadway and bridge, nor would it have improved pedestrian connectivity. Nor would it be prudent to allow the Clinton Street corridor and Vigo County Bridge No. 242 to further deteriorate and become unusable to the traveling public. For these reasons, this alternative was dismissed from further consideration (Appendix I: I-17).

Roadway Expansion with a 16 ft. wide TWLTL and 10 ft. Shoulder (No sidewalk or Trail)

This alternative would have widened Clinton Street to allow for the addition of a continuous 16 ft. wide TWLTL in the center median, and 10 ft. wide paved shoulders from Park Avenue to Budd Road. A widening exception would have been made from Park Avenue to County Bridge No. 242 and work would have been limited to roadway resurfacing. Work proposed to County Bridge No. 242 would have included a full superstructure replacement to address the deterioration and cracking near the concrete beams of the bridge. A traffic signal would have been installed at the intersection of Clinton Street and Hasselburger Avenue.

This alternative would have provided a TWLTL, allowing traffic enough room to decelerate and wait to turn left through traffic. This alternative would have also increased the shoulder limits from 3 to 10 ft. wide, that would have allowed

This is page 6 of 31	Project name:	Terre Haute – Clinton Street Rehabilitation	Date:	June 4, 2025
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County Vigo	Route	Clinton Street	Des. No.	1901781
would have also provided poption, it would not addrest pedestrian crossing over the bridge scour to further determined.	the road and avoid rear end bedestrians with room to wa s the purpose and need of ne bridge, or address scour eriorate, neglect to provide with ADA compliance. For the I-17 to I-20).	alk or bike away from t the project to construc at the base of the brid adequate pedestrian c	the travel lanes. Alth t ADA compliant infr lge. It would not be p prossing over the brid	rough this is a feasible rastructure, provide prudent to allow the dge, or fail to provide a
This alternative would have center median with 2 ft. wid from Park Avenue to Budd intersection of Clinton Stre along both sides of the proreplacement of the structure.	n a 14 ft. wide TWLTL, 6 ft e widened Clinton Street to de curb and gutter section. Road to convey runoff into et and Hasselburger Avenu ject corridor. Work propose te to address the deteriorat lso allowed for the incorpor	allow for the addition of Additionally, a new storm ditches. A traffic signal are. This alternative world to County Bridge Notion and cracking near	of a continuous 14 ft orm sewer system w al would have been i uld have also provid o. 242 would have in the concrete beams	ould have been built installed at the led a 6 ft. wide sidewalk cluded a full of the bridge. The full
traffic. This would have red project corridor would have provided pedestrian conne restored to a condition ratii increased environmental ir	e provided a TWLTL, allowing a provided a TWLTL, allowing a been upgraded with new inctivity and ADA access to be any of 8 (very good condition appacts to the surrounding a pas dismissed from further considered.	r end crashes occurring nlets, curbs, and gutte poth sides of Clinton S n) or higher. Although t urea and caused a prol	g. The storm sewer ers. This alternative watreet. The bridge wo this is a feasible opti longed closure of the	drainage along the would have also been ion, it would have
It would not correct ex It would not correct ex It would not correct the It would not correct ex	ntive is not feasible, prudent isting capacity deficiencies; isting safety hazards; e existing roadway geometric isting deteriorated conditions us impacts to the motoring pul	deficiencies; and maintenance probler	ms; or	X X X
ROADWAY CHARACTER	: Clinton Street			
If the proposed action includes Name of Roadway Functional Classification: Current ADT: Design Hour Volume (DHV): Designed Speed (mph):	Clinton Street Urban-Principal Arterial 11,115 VPD (2020 N/A Truck Percenta 40 Legal Speed (r) Design Year ADT: age (%) 4.3		D (2044)
This is page 7 of 31 Pro	oject name:Terre Haute -	- Clinton Street Rehabilit	ation Date:	June 4, 2025

Rumber of Lanes: Existing Proposed	nty Vigo	indiana	Route C	Clinton Street	Des. No.	1901781
Number of Lanes: 2 through lanes 2 through lanes, 1 TWLTL	illy vigo	'	Toule	Similari Gireet	Des. No.	1301701
Type of Lanes: through lanes 2 through lanes, 1 TWLTL Pavement Width: 19 to 41 ft. 19 to 41 ft. 10 to 10 ft. 10 to 10 ft. 10 ft. 12 ft. 15 ft. 16 ft. 12 ft. 16 ft. 12 ft. 17 ft. 16 ft. 12 ft. 17 ft. 17 ft. 18 ft.		Existing		Proposed		_
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Setting: X Urban Suburban Rolling Rural Hilly						
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DGES AND/OR SMALL STRUCTURE(S): Proposed action includes multiple structures, complete and duplicate for each bridge and/or small structure. Include both g and proposed bridge(s) and/or small structure(s) in this section. Sture/NBI Number(s): 84-00242/ 8400169 Sufficiency Rating: Bridge/Structure Type: Concrete box beam	Cidowalit vvidti.	14//	10.		•	
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Bridge/Structure Type: concrete box beam concrete box beam Number of Spans: 3 3 3 3 3 3 4 5 3 3 3 3 3 3 3 3 3 3 3 3					(Rati	ng, Source of Information)
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Number of Spans: Weight Restrictions: 20 ton 20 ton 100 ft.	Bridge/Structure Type:		ete box beam		e box beam	
Weight Restrictions: 20 ton ft. 100 ft						
Height Restrictions: 100 ft. Curb to Curb Width: 45.5 ft. 30.4 ft. 100		20	ton	20 tor	1	
Curb to Curb Width: 45.5 Outside to Outside Width: 48.3 Shoulder Width: 9 to 12 ft.		100	ft.	100 ft.		
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Shoulder Width: 9 to 12 ft. 9 to 14 ft. 10 to 14 ft. 1						
be impacts and work involving bridge(s), culvert(s), pipe(s), and small structure(s). Provide details for small structure(s): re number, type, size (length and dia.), location and impacts to water. Use a table if the number of small structures becomes if the table exceeds a complete page, put it in the appendix and summarize the information below with a citation to the table. County Bridge No. 242 (Structure No. 84-00242 or NBI No. 8400169) is a non-historic, three-span continuous rete box beam bridge. The structure length is 156 ft. long, with a curb-to-curb width of 45.5 ft., out-to-out deck of 48.3 ft. and set at a skew of 18 degrees. The bridge, originally constructed in 1993, has not been rehabilitated its construction. Vigo County Bridge No. 242 will be rehabilitated by having the deck replaced as well as the exterior 7'-8" of deck long salong with the exterior beam lines. Bent reconstruction will be required at bents 1 and 4 for replacement of the ior beams. The reinforced concrete approaches, bridge rail transitions, and bridge railing will also be replaced. A concrete sidewalk will be installed along the east bridge rail on top of the bridge. The bridge work is anticipated to re a maximum excavation of approximately 3 feet within the limits of the bridge end bents. Work under the OHW is required for the installation of Class 2 riprap around Pier 3 (Appendix B: B-46 to B-50).						
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ther bridges or small structures will be impacted by this project.	ngs along with the exterior rior beams. The reinforced concrete sidewalk will be ire a maximum excavatior	r beam lines. B d concrete app installed along n of approxima	Bent reconstructions of the cast bridge the seast bridge tells and the cast bridge tells are the	uction will be requictions that transitions dge rail on top of the thin the limits of the transitions.	ired at bents 1 and , and bridge railing he bridge. The brid ne bridge end bent	d 4 for replacement of the will also be replaced. A dge work is anticipated to s. Work under the OHWM
			npacted by t	his project.		
	ther bridges or small struc	ctures will be ir		, ,		
	her bridges or small struc	ctures will be ir	<u> </u>			
	her bridges or small struc	ctures will be ir				

Terre Haute – Clinton Street Rehabilitation Date: June 4, 2025

This is page 8 of 31

Project name:

Is a temporary bridge proposed? Is a temporary roadway proposed? Will the project involve the use of a Provisions will be made for acce Provisions will be made for throu Provisions will be made to accor Will the proposed MOT substantially Is there substantial controversy ass Will the project require a sidewalk, of Provisions will be made for acce	ss by local traffic an gh-traffic dependent of the service of the environment of the environment of the service	nd so posted. nt businesses. special events or festonmental consequent oposed method for Molocycle lane closure? and/or bicyclist and s	stivals. ces of the acti IOT? (describe belo o posted (desc	ow) cribe below).	Yes No X X X X X X X X X X X X X X X X X X X
mporary measures should be quantified to nd wetlands. Discuss any pedestrian/bicyc	the extent possible	e, particularly with res	spect to prope	ties such as Sec	ction 4(f) resource
The proposed maintenance of traffic placesing 10 ft. lanes. The maintenance of for approximately 10-12 months.					
Phase 1a includes shifting traffic to the for the construction of the trail and pave Avenue, Grant Avenue, and Crystle Avenued to assist traffications.	ement widening. enue. Flaggers, t c through the co	This phase also ind emporary paveme nstruction corridor.	cludes full-de nt paint, cha	pth construction	on at Shabur es, signs, and
Phase 2 will consist of shifting traffic to side of Clinton Street. Flaggers, tempor to assist traffic through the construction	rary pavement pa				
Phase 3 of the project will divert traffice repainting of the existing Clinton Street and barricades will be utilized to assist	pavement. Flagg	gers, temporary pa	vement paint		
The closures/lane restrictions will pose emergency services); however, no sign project completion.					
ESTIMATED PROJECT COST AND S	CHEDULE:				
neering: \$ 962,000.00 (Local) (2026	Right-of-Way:	\$ N/A (Local)	(2025)	Construction:	\$ 4,632,000.00
ipated Start Date of Construction:	Fall 2026				

Version: December 2021

County Vigo	Route _	Clinton Street	Des. No.	1901781	
RIGHT OF WAY:					

		Amount (acres)				
Land Use Impacts	Permanent	Temporary				
Residential		2.013	0.253			
Commercial		0.286	0.057			
Agricultural		0.589	0.204			
Forest		0.012	0.000			
Wetlands		0.000	0.000			
Other: Reacquired		1.299	0.000			
Other: Municipal		0.151	0.023			
	TOTAL	2.872 (-1.299)	0.439			

Describe both Permanent and Temporary right-of-way and describe their current use. Typical and Maximum right-of-way widths (existing and proposed) should also be discussed. Any advance acquisition, reacquisition or easements, either known or suspected, and their impacts on the environmental analysis should be discussed.

The existing right-of-way limits along Clinton Street vary between 30 ft. and 45 ft. from the centerline of the roadway. This project requires the acquisition of approximately 2.872 acres of permanent, 0.439 acres of temporary right-of-way, and 1.299 acres of reacquisition to allow for the construction of sidewalks, ADA curb ramps, and widening of the roadway throughout the project corridor. Both permanent and temporary right-of-way consists of residential, commercial, and agricultural property along the project corridor.

The proposed maximum permanent right-of-way limits will vary between 30 to 45 ft. to the east and west sides of the centerline of Clinton Street. Temporary right-of-way will be used for construction access to allow for the removal of trees, the removal and construction of drainage, the construction of sidewalks with ADA curbs, and access to the bridge. Additional plan details can be found in Appendix B (Appendix B: B-25 to B-46).

If the scope of work or permanent or temporary right-of-way amounts change, the INDOT Environmental Services Division (ESD) and the INDOT District Environmental Section will be contacted immediately.

Part III - Identification and Evaluation of Impacts of the Proposed Action

SECTION A - EARLY COORDINATION:

List the date(s) coordination was sent and all resource agencies that were contacted as a part of the development of this Environmental Study. Also, include the date of their response or indicate that no response was received.

Early coordination letters were sent out on May 1, 2023 (Appendix C: C-1 to C-4).

Agency	Date Sent	Response Received	Appendix C
Federal Highway Administration (FHWA)	May 1, 2023	No Response	N/A
Indiana Geological and Water Survey (IGWS)	May 1, 2023 (electronic)	May 1, 2023 (Automated)	C-5 to C-6
Indiana Department of Environmental Management (IDEM)	May 1, 2023	May 1, 2023	N/A
Wellhead Proximity Determinator	(electronic)	(Automated)	
Indiana Department of Natural Resources –	May 1, 2023	May 31, 2023	C-10 to C12
Division of Fish and Wildlife (IDNR-DFW)			
US Department of Housing & Urban Development	May 1, 2023	No Response	N/A
INDOT Crawfordsville District	May 1, 2023	No Response	N/A

This is page 10 of 31	Project name:	Terre Haute – Clinton Street Rehabilitation	Date: June 4, 2025

INDOT PM	May 1, 2023	No Response	N/A
INDOT- Aviation	May 1, 2023	May 3, 2023	C-7
United States Army Corp of Engineers (USACE) – Louisville District	May 1, 2023	No Response	N/A
Natural Resources Conservation Service (NRCS)	December 18, 2023	January 1, 2024	C-48 to C-49
Eighth Coast Guard District	May 1, 2023	No Response	N/A
Terre Haute Area Metropolitan Planning Organization (THAMPO)	May 1, 2023	No Response	N/A
Terre Haute Fire Department	May 1, 2023	No Response	N/A
Terre Haute Police Department	May 1, 2023	No Response	N/A
Terre Haute City Mayor	May 1, 2023	No Response	N/A
Terre Haute Street Department	May 1, 2023	No Response	N/A
Vido County Surveyor	May 1, 2023	May 11, 2023	C-9
Vigo County Highway Department	May 1, 2023	No Response	N/A
Vigo County Commissioner	May 1, 2023	No Response	N/A
Vigo County Environmental Health Department	May 1, 2023	May 3, 2023	C-8
Vigo County Area Planning Department	May 1, 2023	No Response	N/A
Vigo County Emergency Management Agency	May 1, 2023	No Response	N/A
Vigo County School Corporation	May 1, 2023	No Response	N/A
North Terre Haute Christian Church	May 1, 2023	No Response	N/A
IDEM – Office of Water Quality	March 6, 2024	March 6, 2024	C-50
Leisure Acres Mobile Home Park	March 7, 2024	No Response	N/A
Morris Mobile Home Estates	March 7, 2024	No Response	N/A
J & T Water Company	March 7, 2024	No Response	N/A
Vigo County Soil and Water Conservation District	March 12, 2024	No Response	N/A
City of Terre Haute Wastewater Utility	March 12, 2024	No Response	N/A
Vigo County Floodplain Administration	March 12, 2024	No Response	N/A

SECTION B -	FCOLOGICAL	RESOURCES:

Streams, Rivers, Watercourses & Other Jurisdictional Features Federal Wild and Scenic Rivers State Natural, Scenic or Recreational Rivers Nationwide Rivers Inventory (NRI) listed Outstanding Rivers List for Indiana Navigable Waterways Total stream(s) in project area: 227 Linear feet Total impacted stream(s): 65 Linear feet

Stream Name	Classification	Total Size in Project Area (linear feet)	Impacted linear feet	Comments (i.e. location, flow direction, likely Water of the US, appendix reference)
Otter Creek	R2UB	227	65	Southern terminus of project area, flows southwest, Likely a water of the US, Appendix F

Describe all streams, rivers, watercourses and other jurisdictional features adjacent or within the project area. Include whether or not impacts (both permanent and temporary) will occur to the features identified. Include if the streams or rivers are listed on any federal or state lists for Indiana. Include if features are likely subject to federal or state jurisdiction. Discuss measures to avoid, minimize, and mitigate if impacts will occur.

This is page 11 of 31	Project name:	Terre Haute – Clinton Street Rehabilitation	Date:	June 4, 2025
			_	

County	Vigo	Route _	Clinton Street	Des. No.	1901781
report (Apmile searc	the desktop review, the appendix E: E-1 to E-12) the chradius. There is one studer was confirmed by the	ere is one stream, r ream, Otter Creek,	iver, watercourse, or ot located adjacent to the	her jurisdictional southern termin	us of the project area.
refer to Ap	of the U.S. Determination opendix F for the Waters of dictional stream, Otter Crejurisdiction.	of the U.S. Determin	nation / Wetland Deline	ation Report. It v	vas determined that one
with E. Co	ek is listed as impaired for oli should take care to wea es, including regular hand ill be used to avoid further	r appropriate persowashing, and limit	onal protective equipme personal exposure. Con	ent (PPE), observ	e proper hygiene
was 53 ft. topograph Unconsoli Otter Cree	ek ately 227 lft. of Otter Cree wide and 1.7 ft. deep at thic nic map, indicating it is like dated Bottom (R2UB) NW ek at the project area is 11 nal navigable water (TNW	ne time of the site v lly perennial. Otter /I polygon. Accordir 6.49 square miles.	risit. Otter Creek is asso Creek was associated on to USGS <i>Indiana Sti</i> Otter Creek flows sout	ociated with a so with a mapped R reamStats, the di hwest into the W	lid blue line on the USGS iverine, Lower Perennial, rainage area upstream of /abash River, a Section
riffles and stream. Thad a slow japonica),	e May 8, 2022, site visit by pools were observed with he instream cover include v current velocity. Vegetat Japanese honeysuckle (Labove contribute to Ot	nin the stream. Spa d overhanging vego ion observed along Lonicera japonica),	rse amounts of instrear etation and woody debr I the streambanks inclu and black locust (<i>Robii</i>	n cover were als is. The stream e ded Japanese-k nia pseudoacacia	o observed within the xhibited no sinuosity and notweed (<i>Reynoutria</i>
approxima	ately 64 linear lft. of perma ately 107 lft. of temporary I IDNR construction in a flo	impacts will occur o	due to construction acc	ess below the br	
controlling constructi	a-DFW responded on May gerosion and sediment mo on site; maintain these me c C: C-10 to C-12).	ust be implemented	I to prevent sediment fr	om entering the	stream or leaving the
All applica	able recommendations are	included in the En	vironmental Commitme	ents section of th	is CE document.
	en Water Feature(s) Reservoirs Lakes Farm Ponds Retention/Detention Basin Storm Water Management Fa		Presence	Yes N	s No

County Vigo		Ro	oute	Clinton S	Street	Des. No.	1901781
	ur to the features	identified. Include					pacts (both permanent and liction. Discuss measures
to E-12) there a	re no open wat	er features with	in the 0.5-	mile se	arch radius. The	re are no op	FI report (Appendix E: E-1 en water feature(s) within ic. Therefore, no impacts
A Waters of the U.S. Determination / Wetland Delineation Report was prepared by Metric on January 25, 2023. Please refer to Appendix F for the Waters of the U.S. Determination / Wetland Delineation Report. It was determined that one likely jurisdictional stream, Otter Creek, is present within the project area. The USACE makes all final determinations regarding jurisdiction.							
Wetlands					Prese		Impacts es No
Total wetland are		N/A	Acre(s)	Total	ـــــــ vetland area impac	ted: N/A	Acre(s)
	<u>-</u>		. ,		s, fill in the total we		
			T				
Wetland No.	Classification	Total Size (Acres)	Impacted	Acres	reference)	cation, likely W	Vater of the US, appendix
N/A	N/A	N/A	N/A		N/A		
Wetlands (Mark all that apply) Wetland Determination Wetland Delineation USACE Isolated Waters Determination Improvements that will not result in any wetland impacts are not practicable because such avoidance would result in (Mark all that apply and explain): Substantial adverse impacts to adjacent homes, business or other improved properties;							
Substantially increased project costs; Unique engineering, traffic, maintenance, or safety problems; Substantial adverse social, economic, or environmental impacts, or The project not meeting the identified needs.							
Describe all wetlands identified adjacent or within the project area. Include whether or not impacts (both permanent and temporary) will occur to the features identified. Include if features are likely subject to federal or state jurisdiction. Discuss measures to avoid, minimize, and mitigate if impacts will occur.							
Based on the desktop review, the aerial map of the project area (Appendix B: B-3), and the RFI report (Appendix E: E-1 to E-14) there are nine wetlands within the 0.5-mile search radius. There are no wetlands within or adjacent to the project area, which was confirmed by the site visit on May 8, 2022, by Metric.							
This is page 1	3 of 31 Project	name: Terre	Haute – Cli	inton Str	eet Rehabilitation	Date:	June 4, 2025

County	Vigo	Route _	Clinton Stre	<u>eet </u>	Des. No.	1901781	
refer to	rs of the U.S. Determination / We Appendix F for the Waters of the s are within or adjacent to the pr	U.S. Determi	nation / Wet	land Delineation	n Report. It wa	as determine	ed that no
Т	errestrial Habitat			Presence X	Impact Yes X	ss NO	
Total terr	estrial habitat in project area: 5.8	32	Acre(s)	Total tree clea	aring: <u>0.12</u>		Acre(s)
or not impa	ypes of terrestrial habitat (i.e. forest acts will occur to habitat identified. o avoid, minimize, and mitigate if im	Include total ter	restrial habita				
	n a desktop review, a site visit o lix B: B-3), the project area prim le trees.						
soil distusacchard INDOT sthe proje	mately 0.12 acres of tree removal urbance. Dominant tree species um), and tulip poplar (<i>Liriodendr</i> standard specifications. All effort ect. The construction limits have plementing the required design	within the proj on tulipifera). Is to minimize been reduced	ect area are Disturbed ar terrestrial im I to the exter	boxelder (Acereas will be stab pacts were con that is practicate	negundo), suilized, graded sidered durin al for the proje	igar maple (, , and re-veg g the design	Acer etated per phase of
mixture endophy	IR-DFW responded on May 31, of grasses (excluding all varietiente tall fescue may be used in the cable recommendations are incl	es of tall fescue e ditch bottom	e) and legum and side slo	nes as soon as popes only (Appe	possible upon endix C: C-10	completion; to C-12).	; low
Ап арріп	cable recommendations are inci		IVIIOIIIIEIIlai	Communents	Section of this	OE docume	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	rotected Species ederally Listed Bats Information for Planning and Cons Section 7 informal consultation co Section 7 formal consultation Biol	mpleted (IPaC	cannot be cor	npleted)	Yes		No X X
D	etermination Received for Listed Ba	ats from USFWS	S: N	E N	ILAA X	LAA	
0	ther Species not included in IPa0 Additional federal species found in State species (not bird) found in p	n project area (b			Yes X		No X
M	ligratory Birds Known usage or presence of birds State bird species based upon co		DNR		Yes		No X X
This i	s page 14 of 31 Project name:	Terre Haute -	- Clinton Stree	et Rehabilitation	Date:	June 4, 20	25

Indiana Department of Transportation							
County	Vigo	Route _	Clinton Street	Des. No.	1901781		
bat and nort	IR coordination and species ident thern long-eared bat impacts. Dis d the determination that was rece	cuss if other fed	lerally listed species	were identified. If so, in	clude consultation that has		
Based on a desktop review and the RFI report (Appendix E: E-1 to E-12), completed by Metric on July 18, 2023, the IDNR Vigo County Endangered, Threatened and Rare (ETR) Species List has been checked. According to the IDNR-DFW early coordination response letter dated May 31, 2023 (Appendix C: C-10 to C-12) the Natural Heritage Program's Database has been checked and, to date, no plant or animal species listed as state or federally threatened, endangered or rare have been reported to occur in the project vicinity.							
presence October 1 testing. In (<i>Eptesicu</i> bridge ins bridge (A	T 0.5-mile bat review occurred of endangered bat species in 11, 2022, and found bat guano the December 2022 Species is Fuscus), which is not an endapection report by Metric occur ppendix C: C-14). In the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the April 2 own Bat (Eptesicus Fuscus), which is not an endapered in the Eptesicus Fuscus (Eptesicus Fuscus), which is not an endapered in the Eptesicus Fuscus (Eptesicus Fuscus), which is not an endapered in the Eptesicus Fuscus (Eptesicus Fuscus), which is not an endapered in the Eptesicus Fuscus (Eptesicus Fuscus), which is not an endapered in the Eptesicus Fuscus (Eptesicus Eptesicus (Eptesicus Eptesicus (Eptesicus Eptesicus (Eptesicus Eptesicus (Eptesicus Eptesicus (Eptesicus Eptesicus (Eptesicus (Eptesicus (Eptesicus (Eptesicus (Eptesicus (Eptesicus (Eptesicus (Ept	or within 0.5-m beneath the b Identification F langered or thr red on Januar 2025 Species I	nile of the project a pridge. A sample of Report, the guano vertened species of y 22, 2025, and baldentification Repo	rea. A bridge inspection the guano was taken was successfully identify bat (Appendix C: C-t guano was again recort the guano was successive to the guano was taken was t	on by Metric occurred on and submitted for tified as Big Brown Bat 15 to C-18). A follow-up covered from under the tessfully identified again		
an official endanger Two addit	formation was submitted throus species list was generated (A red Indiana bat (<i>Myotis sodalis</i> tional species were also gener r to the paragraph below.	ppendix C: C-2) and the enda	24 to C-35). The pr angered northern lo	oject is within range ong-eared bat (NLEB)	of the federally (<i>Myotis septentrionalis</i>).		
Crane (Grane) area. The	al species list generated from least americana) and the Monarese species have not officially be identified for the above species	ch Butterfly (<i>D</i> been incorpora	<i>Panaus plexippus</i>) valed onto the federa	were found to potentia al or state ETR specie	ally be within the project es list. No critical habitat		
endanger bat occur	al species list generated from led Gray bat (<i>Myotis grisescen</i> red with USFWS on May 14, 2 ly to adversely affect the Gray 2).	s) may be pres 025. USFWS	sent within the proj	ect area. Additional co ct information and det	oordination for the Gray ermined that this project		
eared bate Federal T and base Indiana base 2023, and period; th (AMMs) in measures	ct qualifies for the Range-wide (NLEB), dated May 2016 (reversalist Administration (FTA), and on the responses provided, that and the NLEB (Appendix C: direquested USFWS's review of the concluded the landled the following: general contents section of this CE documents	ised February nd USFWS. Ar he project was C-36 to C-47) of the finding. N JSFWS concu rew knowledge tices. The AM	2018), between Fh n effect determinati s found to "may affe l. INDOT reviewed No response was rurs with the finding. e requirements, ligit	HWA, Federal Railroa on key was completed ect but is not likely to and verified the effect eceived from USFWS Avoidance and Minimating avoidance meas	d Administration (FRA), d on February 10, 2023, adversely affect" the t finding on February 10, within the 14-day review nization Measures ure, light installation		
No. 8400 (MBTA) (A surroundi	termined that the project's surr 169), may be conducive for us Appendix C: C-29 to C-36). Pr ngs must be inspected for bird e and minimization measures i	e (i.e. nests) b for to the start s or signs of b	y a bird species pr of nesting season irds. If birds or sigr	otected under the Mig (May 1) the structure as of birds are found o	ratory Bird Treaty Act and impacted luring the inspection		

County	Vigo	Route	Clinton Street	Des. No.	1901781
and durin	eggs or young should be removing the nesting season if no egged during the nesting season (Maye construction. Details of the i	ıs or young ar ay 1 – Septen	e present. Nests with nber 7). Nests with eg	eggs or young can gs or young should	not be removed or be screened or buffered
USFWS inspection presence birds. If s	inspection occurred on Januar Bridge/Structure Assessment and of the structure by a qualified of bats/bat indicators and/or paigns of bats or birds are docunted immediately. This firm cor	are only valid d individual, moresence of bi nented during	for two years. If const ust be performed. Ins rds. The results of the this inspection, the IN	ruction will begin af spection of the struc sinspection must in NDOT District Envir	ter January 22, 2027, an ture should check for dicate no signs of bats or onmental Manager must
live bats) construct temporar bats prior the INDC	unty Bridge No. 242 (Structure by a non-listed bat species dution will occur during active bat rily be filled with an expandable r to demolition, exclusion, or ar District Environmental Manatin the "Bat Inspection and Cool	rring the Janua season on are material prio my construction ager must be d	ary 22, 2025, inspecting area of the bridge/sorto active bat season activities. If signs of contacted immediately	on. To minimize ba structure the bats a . The structure sha bats are document	t disturbance, if re using, the area shall Il also be inspected for red during this inspection,
Act, as a	cludes the need for further cons mended. If new information on , USFWS will be contacted for	endangered s			
Ge	eological and Mineral Resources Project located within the Indiana Karst features identified within or Oil/gas or exploration/abandoned	Karst Region adjacent to the		Yes	No X X
Da	ate Karst Evaluation reviewed by l	NDOT EWPO (if applicable): N/A	Λ	
Discuss res	project is located in the Indiana Ka sponse received from IGWS coord cts will occur. Include discussion Protection of Karst Features durin	lination. Discus of karst study/re	ss if any mines, oil/gas, o eport was completed an	or exploration/abando d results. (Karst inve	ned wells were identified stigation must comply with
Karst Reg	n a desktop review and the Indigion as outlined in the most cu gion as outlined in the most cu g to the topo map of the projec tures identified within or adjace	rrent Protection t area (Appen	on of Karst Features of dix B: B-2), the RFI re	during Project Deve	lopment and Construction.
project and project and resources sites with greater the	rly coordination response dated rea. IGWS did indicate that the rea as geological hazards (App is and sand and gravel resource in the area. The features will no man 5 feet below ground surfact of impacts are expected.	ere is a potenti pendix C: C-5 es. There are not be affected	al for liquefaction and to C-6). The IGWS al no documented activ I because scope of we	I floodways to exist so identified a high e or abandoned mi ork will not involve o	within or adjacent to the potential for bedrock neral resources extraction deep excavation (i.e.,
L					

This is page 16 of 31 Project name: <u>Terre Haute – Clinton Street Rehabilitation</u> Date: <u>June 4, 2025</u>

		maiana Bepai	ancia or mansp	or tation			
County	Vigo	Route _	Clinton Street	Des. No.	1901781		
SECTION	C - OTHER RESOUR	CES					
Dr	inking Water Resources Wellhead Protection Area(Source Water Protection A Water Well(s) Urbanized Area Boundary Public Water System(s)		Presen X X X	Yes	Acts No X X X X X		
Check the a	the project located in the St If Yes, is the FHWA/EPA S If Yes, is a Groundwater A appropriate boxes and discu	SSA MOU Applicable? ssessment Required? uss each topic below.	Provide details about in		No X e resource-specific		
The projection only lega	The project is located in Vigo County, which is not located within the area of the St. Joseph Sole Source Aquifer, the only legally designated sole source aquifer in the state of Indiana. Therefore, the FHWA/EPA Sole Source Aquifer Memorandum of Understanding (MOU) is not applicable to this project. A detailed groundwater assessment is not needed, and no impacts are expected.						
(<u>http://ww</u> adjacent Quality st	The Indiana Department of Environmental Management's Wellhead Proximity Determinator website (http://www.in.gov/idem/cleanwater/pages/wellhead/) was accessed on March 6, 2024, by Metric. This project is located adjacent to a Wellhead Protection Area. In an early coordination letter dated March 6, 2024, IDEM-Office of Water Quality stated the project is located within 900 ft. of three Wellhead Protection Areas (Appendix C: C-50). Additional coordination was recommended for the following agencies: Leisure Acres Mobile Home Park Morris Mobile Home Estates J&T Water Company 						
features v	l coordination was sent o will not be affected becau e, no impacts are expecte	use none of the Well					
(https://w	na Department of Natura ww.in.gov/dnr/water/359 nt to the project area. No	5.htm) was accesse	d on March 6, 2024,		e no wells located within		
this proje was sent not respo		ne Urban Area Boun ne Vigo Couty and C e frame. This project	dary (UAB) for the c ity of Terre Haute M t aims to improve exi	ity of Terre Haute. A S4 coordinators. The sting stormwater dra	ainage grates along		
B-3), this valves, h	a desktop review, a site project is located where ydrants, and service lines gineering (HWC), has be	there is a public was s may be relocated v	ter system. The pub where improvements	lic water system and at intersections or t	d amenities such as rail segments overlap.		

County	Vigo		Route _	Clinton Street		Des. No.	1901781
maintain	open coordinati	on throughout the	e project dev	velopment proce	ess.		
lf Le	Longitudinal enc Transverse encr Homes located in applicable, indicated	oachment n floodplain within 1 e the Floodplain Le Level 2	000' up/dowr vel? Level 3	X Le	vel 4	Ye	npacts S No X X X Appendix. Discuss impacts
according t	to the classification		chment on a	flood plain will oc			cal Flood Plain Administrator
The India in.gov /a regulator letter wa within the project of This proj in an ins heights a beneficia substant	ana Department apps php /fdms/) ry floodplain as on the second of the se	of Natural Resound was accessed by determined from a 12, 2024, to the lame. This project gory 3 per the curbance Category 3 project in their capacity These minimal in es; they will not reserved.	rces Indiana y Metric on I approved ID local Floodp will cause a rent INDOT ect: The mo y to carry flo creases will esult in subs mination of e	a Floodway Info May 1, 2023, an NR floodplain molain Administrate pproximately 65 CE Manual, who difications to dra od water. This not result in an stantial change	nd the RFI reportance (Appendix for. The floodp of Ift. of transvenich states: ainage structur change could y substantial an flood risks o	ort, this pro (F: F-15). Iain adminingse impactorse res include cause a mondingse r damage;	ottp:// dnr maps. dnr oject is located in a An early coordination istrator did not respond is to the floodplain. This and in this project will result inimal increase in flood pacts on the natural and and they do not have is; therefore, it has been
	*If 160 or greater, se	(per NRCS) Section VII of CPA se CE Manual for guid	lance.	,	Presence X X		Impacts Yes No X X
Discuss ex considered		sources in the proje	ct area, impa	cts that will occur	to farmland, an	d mitigation	and minimization measures
B-3 to B-defined I Decemb (Append	-6), the project woy the Farmland er 18, 2023, to Nix C: C-48 to C-4	rill directly conver Protection Policy IRCS. Coordinati 49). NRCS's thre	t approxima Act. An ea ion with NRo shold score	tely 0.589 acres rly coordination CS resulted in a for significant in	and indirectly letter was sen score of 101 on pacts to farm	convert 0. t on May 1 on the NR0 land that r	roject area (Appendix B: .08 acres of farmland as , 2023, and again on CS AD 1006 Form esult in the consideration prime, unique, statewide,

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County	Vigo	Route	Clinton Street	Des. No.	1901781
		will result from this proje ed without reevaluating i			ously discussed in this
SECTION	ND-CULTURAL	RESOURCES			
Mi	nor Projects PA	Category(ies) and Typ Category B, Types B-1, 12	e(s) B-2, B-3, B-8, and B-	July 11, 2022	I Date(s) N/A
Fu	ıl l 106 Effect Findi n No Historic Propert		o Adverse Effect	Adverse Effect	
	igible and/or Listed NRHP Building/Site	I Resources Present /District(s) A	rchaeology	NRHP Bridge(s	s)
Do	APE, Eligibility and 800.11 Documenta Historic Properties Archaeological Rec Archaeological Pha	ared (mark all that apply) Effect Determination tion Report or Short Report ords Check and Assessment se la Survey Report se lc Survey Report	nt		O Approval Date(s)
	Memorandum of Aç	greement (MOA)	MOA Sigi	nature Dates (List all	signatories)
full Section local newsp	106, use the headin papers. Please indica	PA, describe the category(ious provided. The completion ate the publication date, nare completed at a later date,	n of the Section 106 proc ne of the paper(s) and the	ess requires that a Le e comment period dea	adline. Include any further
project fa	ills within the guide		e 1, Type 2, Type 3, Ty		CRO) determined that this under the Minor Projects
including rehabilita	when such project	ts are associated with ro g projects, including over	adway work such as su	urface replacement,	curb ramps, or sidewalks, reconstruction, r, seal coating, pavement
Category	B, Type 2 include	s the installation of new	ighting, signals, signag	ge and other traffic o	control devices.
This is	page 19 of 31 Pr	oject name: <u>Terre Haut</u>	e – Clinton Street Rehabil	litation Date	: June 4, 2025

County	Vigo	Route _	Clinton Street	Des. No.	1901781		
	B, Type 3 includes the construction and deceleration lanes) and sh			xiliary lanes (e.g.,	bicycle, truck climbing,		
	B, Type 8 includes the construction d minor activities.	on of pede	strian facilities includir	ng trails, multi-use	paths, greenways, and		
	B, Type 12 includes the replacem and bridge replacement projects.	ent, widen	ing, or raising the elev	vation of the super	structure on existing		
adjacent t	terminations were reached due to to or within a national register-liste rork does not impact a bridge that	d or Natio	nal Register-eligible d	istrict or individual	above-ground resource,		
Profession (Copenha	Regarding archaeological resources, an INDOT-CRO archaeologist who meets the Secretary of the Interior's Professional Qualification Standards as per 36 CFR Part 61 reviewed the archaeological report prepared by Metric (Copenhaver et al. 2024) and approved of its results and recommendations. No archaeological sites were previously recorded within or adjacent to the project area (Appendix D: D-11 to D-20).						
	r consultation is required. This cor 06 have been fulfilled.	npletes the	e Section 106 process	and the responsik	oilities of the FHWA under		
SECTION	I E - SECTION 4(f) RESOURCES	S/ SECTIO	N 6(f) RESOURCES				
Publicly Publicly Other (s Wildlife an Nationa Nationa State W State N: Historic Pi	Other Recreational Land owned park owned recreation area school, state/national forest, bikeway, nd Waterfowl Refuges Il Wildlife Refuge Il Natural Landmark //ildlife Area ature Preserve roperties gible and/or listed on the NRHP	etc.)	sence Yes	No			
_			uations pared				
"De min Individu	nmatic Section 4(f) imis" Impact al Section 4(f) ception included in 23 CFR 774.13						
must be incl	grammatic Section 4(f) and "de minim uded in the appendix and summarized dentified various exceptions to the red	d below. Di	iscuss proposed alternat	tives that satisfy the	requirements of Section 4(f).		
Section 4	(f) of the U.S. Department of Trans	sportation	Act of 1966 prohibits	the use of certain	oublic and historic lands		
This is	page 20 of 31 Project name: Te	erre Haute -	- Clinton Street Rehabili	tation Date	e: June 4, 2025		

County	Vigo	Route _	Clinton Street	Des. No	. 1901781
significan	ally funded transportation facilities t publicly owned parks, recreation s regardless of ownership. Lands	n areas, wil	dlife / waterfowl	refuges, and NRHP el	igible or listed historic
to E-12), idesktop retrail map esite visit of terminus enot in use 0.08 mile.	a desktop review, the aerial map there is one school, two recreation eview, additional research on the (https://www.terrehaute.in.gov/de on May 8,2022, by Metric, it was on of the project area. The school has be by the school. Therefore, the sc south of the southern terminus on ea, Big G's is not a Section 4(f) fac (f) properties, there are no potential	onal facilitie e City of Ter epartments/ determined as recreation hool is not if the projectility. Since	s, and one trail vare Haute Neighle parks/parks-inforthat Otter Creel onal facilities; ho a Section 4(f) protest area; however neither of these	within the 0.5-mile sea corhood Parks & Trails ormation/neighborhood of Middle School is 0.15 wever, the facilities are operty. Big G's Drive-l , the facility appears to properties are within the	rch radius. According to a swebpage and recreational -parks-trails.html), and a mile south of the southern e fenced in and locked when a Golf Center was located ono longer be in operation. The project area, nor are they
Se	ction 6(f) Involvement			Presence	<u>Use</u> Yes No
Se	ction 6(f) Property				
	ction 6(f) resources present or not proiscuss the conversion approval.	esent. Discu	ss if any conversi	on would occur as a resu	It of this project. If conversion
which was	Land and Water Conservation Fusion screated to preserve, develop, a pits conversion of lands purchase	nd assure	accessibility to c	utdoor recreation reso	
	of 6(f) properties on the INDOT Ene of these properties are located inces.				
SECTION	l F – Air Quality				
Is t Is t Is t If Y	IP/TIP and Conformity Status of the project in the most current STIP/The project located in an MPO Area? the project in an air quality non-attain (es, then: Is the project in the most current MP is the project exempt from conformit If No, then: Is the project in the Transportation is a hot spot analysis required (C	ΓΙΡ? iment or mai PO ΤΙΡ? y? in Plan (ΤΡ)?		Yes No X X X X X X X X X X X X	
Loc	cation in STIP:		<u>-</u>	By reference to TIP	
Na	me of MPO (if applicable):		_	Terre Haute Area MPO	
Loc	cation in TIP (if applicable):		_	Page 51 in the SFY 2024	1-2028 THAMPO report
TL:- :-	nage 21 of 31 Project name:	Torro Hevit-	- Clinton Street P	ahahilitatian	ote: June 4 2025

County	Vigo		Route	Clinton St	reet	Des. No.	1901781	
Le	evel of MSA	T Analysis requ	ired?					
Le	vel 1a	X Level 1b	Level 2	Level 3	Level 4	Level 5		
located. Inc	licate whet	her the project i		ormity determi	nation. If the pro		(ies) where the project is t, include information abou	ıt
Transpor	tation Imp	rovement Plai	orten Fiscal Year (\$ n (TIP) which has b gram (STIP) (Appe	een directly i	ncorporated in		litan Organization (MPO 28 Statewide)
Environm	nental Pro	tection Agency	unty, which is curre y's (EPA) Greenboo greenbook/anayo	ok data-set fo			according to the	
			onattainment for the	e following po	llutants and h	as recently beco	ome attainment areas	
• 8 [•	D.C. Circu even thoug on Decem	one (Attainme it Court found gh the 1997 8- ber 27, 2019.	that U.S. EPA canr hour ozone standa	not waive the rd has been r	requirement for evoked. Limite	or an update to ed maintenance	ebruary 16, 2018, the the maintenance plan plan update approved	
			t with Maintenance our SO ₂ on IDEM's				2005. Vigo County listed	
this proje		project of air					0 CFR Part 93.126 and will have no significant	
							(c), or exempt under the nalysis is not required.	!
SECTIO	N G - NOI	SE						
No	oise						Yes No	
		alysis required i	n accordance with FH	lWA regulation	s and INDOT's	traffic noise polic		
Da	ate Noise A	nalysis was app	proved/technically suf	ficient by INDC	OT ESD:			
							l to date and if noise impac de a statement of likelihoo	
			In accordance with , this action does n				artment of Transportation	n
This is	nage 22 o	f 31 Proiect r	name: Terre Haute	e – Clinton Str	eet Rehabilitatio	on Date:	June 4, 2025	

Version: December 2021

Indiana Department of Transportation							
County Vigo Route Clinton Street Des. No. 1901781							
SECTION H – COMMUNITY IMPACTS							
Regional, Community & Neighborhood Factors Will the proposed action comply with the local/regional development patterns for the area? Will the proposed action result in substantial impacts to community cohesion? Will the proposed action result in substantial impacts to local tax base or property values? Will construction activities impact community events (festivals, fairs, etc.)? Does the community have an approved transition plan? If No, are steps being made to advance the community's transition plan? Does the project comply with the transition plan? (explain in the discussion below)							
Discuss how the project complies with the area's local/regional development patterns; whether the project will impact community cohesion; and impact community events. Discuss how the project conforms with the ADA Transition Plan.							
On May 1, 2023, Metric conducted an on-line review of the Indiana Festivals website (Indiana festivals). There are no events identified within or near the project area that would be potentially impacted during construction of the project. No impact is expected.							
The Americans with Disabilities Act (ADA) requires a transition plan by local and state governments. Such a plan includes how the government will remove barriers to accessibility over time for persons with disabilities, such as installing curb ramps at intersections, making a web site accessible for persons with low vision, ensuring public meetings are fully accessible to persons with disabilities and other related issues. Vigo County has an approved ADA transition plan which will comply with the goals of the proposed project. This project will not change the general development patterns, population density, or residential or commercial growth rate of the project area. Furthermore, there will be no permanent impacts to community cohesion, local mobility, access, pedestrian or motorist safety or emergency services as a result of the project. The project will not have any adverse impacts on the local tax base or property values.							
Public Facilities and Services Discuss what public facilities and services are present in the project area and impacts (such as MOT) that will occur to them. Include how the impacts have been minimized and what coordination has occurred. Some examples of public facilities and services include health facilities, educational facilities, public and private utilities, emergency services, religious institutions, airports, transportation or public pedestrian and bicycle facilities.							
Based on a desktop review, the aerial map of the project area (Appendix B: B-3), and the RFI report (Appendix E: E-1 to E-12) there are four religious facilities, one airport, two cemeteries, one school, two recreational facilities, four pipelines, one railroad, and one trail located within the 0.5 mile of the project area. There is one church, North Terre Haute Christian Church, and one gas line, a segment of Terre Haute Gas Corp, within or adjacent to the project area. That number was confirmed by the site visit on May 8, 2022, by Metric.							
An early coordination letter was sent to the Vigo County Surveyor's office on May 1, 2023 (Appendix C: C-9). The Vigo County Surveyor responded stating that there are three existing survey markers located within the proposed construction area. They went on to say that if any survey markers are disturbed or destroyed that it be reset with a Harrison Survey Marker, supplied by the Vigo County Surveyor's office. Additionally, paperwork should be filed with the Vigo County Surveyor's office showing tie-in information before the markers are disturbed and showing the coordinates of the reset markers. This coordination was sent along to the designer on May 11, 2023. If impacts are anticipated, HWC Engineering will prepare the appropriate paperwork and coordinate with the Vigo County Surveyor's office.							

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An early coordination letter was sent to North Terre Haute Christian Church on May 1, 2023 (Appendix C: C-1 to C-4).

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	nse was received. The church is mpacts are anticipated to North			he southern	terminus of the project	
will be ma	been coordinating with Terre Ha intained until the completion of the may be required and additional).	he project. If	any valves or regulatory sta	itions are wit	thin the project area,	
project if a	viation responded to early coordinall equipment being used is unde are expected. Access to all prope	r 25 ft. in hei	ght (Appendix C: C-7). Ther	efore, no im		
All applica	able recommendations are includ	ed in the En	vironmental Commitments s	ection of this	s CE document.	
	esponsibility of the project sponsory or construction that would block of			gency servic	ces at least two weeks	
Dui Doe If Y Indicate if E.	vironmental Justice (EJ) (Presiden ring the development of the project ves the project require an EJ analysis ES, then: Are any EJ populations located w Will the project result in adversely I issues were identified during project describe how the EJ population were	vere EJ issues ? ithin the project high and disp ct development	identified? ct area? proportionate impacts to EJ populat. If an EJ analysis was not re	quired, discus		
was required, describe how the EJ population was identified. Include if the project has a disproportionately high or adverse effect on EJ populations and explain your reasoning. If yes, describe actions to avoid, minimize and mitigate these effects. This analysis was performed for this project prior to the issuance of recent federal Executive Orders (EO) from January 2025, including EO 14154, EO 14148, and EO 14173. As such, this analysis is included for transparency but is no longer applicable to the impacts analysis for federal projects and this impact was not considered in the federal decision.						
ensure that or low-income Analysis is The project	WA Order 6640.23A, FHWA and at their programs, policies, and a ome populations. Per the currens required for any project that hact will require approximately 2.87 eacquired ROW. Therefore, an E	ctivities do n at INDOT Cat s two or mor '2 acres of po	ot have a disproportionately tegorical Exclusion Manual, e relocations or 0.5 acre of termanent, 0.439 acres of termanent, 0.439 acres	high and ac an Environn additional pe	lverse effect on minority nental Justice (EJ) ermanent right-of-way.	
determine them. The project, th	EJ impacts are detected by locate if populations of EJ concern exists reference population may be a see COC is Vigo County, Indiana. By (AC). In this project, there are formally (AC).	st and wheth county, city o The commur	er there could be disproport or town and is called the cor nity that overlaps the project	ionately high nmunity of co area is calle	n and adverse impacts to omparison (COC). In this ed the affected	

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minority popul Summary 5-ye July 15, 2024, the table below	AC has a population of concern for EJ if the population is more than 50% minority or low-income or if the low-income or minority population is 125% or more of the COC. Data from the U.S. Census Bureau, 2022 American Community Summary 5-year Estimates was obtained from the US Census Bureau Website (https://data.census.gov/cedsci/) on July 15, 2024, by Metric. The data collected for minority and low-income populations within the AC are summarized in the table below: Table: Minority and Low-Income Data (U.S. Census Bureau, 2022 American Community Summary 5-year Estimates)						
	,	,			, , , ,		
	C	OC - (Vigo County, IN)		ensus Tract jo County, IN)	AC 2– (Census Tract 102.02, Vigo County, IN)		
Low-income		19.95%		.99%	19.90%		
125% of COC		24.94%		25% COC	AC < 125% COC		
EJ Population Concern	n of			No	No		
Percent Mino	rity	15.18%	4	09%	8.97%		
125% of COC		18.98%		25% COC	AC < 125% COC		
EJ Population Concern		10.007		No	No		
AC 1 – Census Tract 102.01 has a percent low-income of 10.99 which is below 50% and is below the 125% COC threshold (24.94%). Therefore, AC 1 does not have a low-income population of EJ concern. AC 1 – Census Tract 102.01 has a percent minority of 4.09 which is below 50% and is below the 125% COC threshold (18.98%). Therefore, AC 1 does not have a minority population of EJ concern. AC 2 – Census Tract 102.02 has a percent low-income of 19.90 which is below 50% and is below the 125% COC threshold (24.94%). Therefore, AC 2 does not have a low-income population of EJ concern. AC 2 – Census Tract 102.02 has a percent minority of 8.97 which is below 50% and is below the 125% COC threshold (18.98%). Therefore, AC 2 does not have a low-income population of EJ concern. The census data sheets, EJ maps, and calculations can be found in Appendix I: I-29 to I-39. No further environmental justice analysis is warranted.							
Will the	Relocation of People, Businesses or Farms Will the proposed action result in the relocation of people, businesses or farms? Is a BIS or CSRS required? X X						
	of relocations:	Residences:	Businesses:		Other:		
Discuss any relo	cations that will occ	ur due to the project. If a Bi	S or CSRS is require	d, discuss the resu	ılts in the discussion below.		
No relocations of people, businesses or farms will be necessary to complete the proposed project.							
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County Vigo	Route Clinton Street	Des. No. <u>1901781</u>
SECTION I – HAZARDOUS MAT	ERIALS & REGULATED SUBSTANCE	ES
Hazardous Materials & Regu Red Flag Investigation (RFI) Phase I Environmental Site As Phase II Environmental Site A Design/Specifications for Rem	ssessment (Phase II ESA) ediation required?	<u>Documentation</u> X

Include a summary of the potential hazardous material concerns found during review. Discuss in depth sites found within, directly adjacent to, or ones that could impact the project area. Refer to current INDOT SAM guidance. If additional documentation (special provisions, pay quantities, etc.) will be needed, include in discussion. Include applicable commitments.

Based on a review of GIS and available public records, the RFI was completed on July 18, 2023, by Metric, and INDOT SAM provided their concurrence on August 4, 2023 (Appendix E: E-1 to E-12). There is one unmapped underground storage tank (UST) site, three leaking underground storage (LUST) sites, and three National Pollutant Discharge Elimination System (NPDES) facilities located within 0.5 mile of the project area.

There are two LUST sites and one unmapped UST site located within the project area:

UST site:

There are no UST sites mapped within the 0.5 mile search radius: however, a review of street-level photography indicated the presence of a building in the northwest quadrant of the intersection of Park Avenue and Clinton Street at the southern project terminus that is visually consistent with a former filling station. The property (currently occupied by Parting Hair Salong, 5120 N Clinton St.) does not appear in the UT or LUST databases, which could indicate it might have ceased operations as a filling station prior to 1986, when UST registration became a requirement. Due to the lack of available data regarding subsurface conditions at the property, it is possible that petroleum related contamination could be present: additionally, due to the age of suspect filling station operations and the historic use of leaded gasoline, lead contamination would likely be present concurrent with any petroleum release. If excavation occurs in this area, it is possible that petroleum contamination may be encountered. Proper handling, removal, and disposal of soil and /or groundwater may be necessary. Before proper removal and disposal of soil and /or groundwater, analysis for lead will be necessary. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination.

LUST sites

• Pit Stop Marathon, 6321 N. Clinton St, Agency Interest (AI) ID #54557, is near the northern project terminus on the northeast corner of Clinton Street and Crystle/E. Hasselburger Avenue. The facility is in the early stage of addressing a release that was discovered in November 2021. Free product has been observed in onsite wells, and a petroleum constituent plume in the groundwater has been identified extending westward (following the groundwater flow direction) across Clinton Street to impact a residential well opposite the gas station. Corrective actions are still under evaluation. Groundwater at the location is fairly deep, with depth-to-water measurements in the monitoring wells ranging from 27-60 feet below grade. Although it is unlikely that project activities would encounter the impacted groundwater, there may be soil impacts extending to shallower depths. If groundwater monitoring wells are encountered in the project area, they should be maintained in-place. If they cannot be maintained, then the contractor must contact the INDOT Project Manager who will notify the INDOT Permits Group. The INDOT Permits Group will notify the permit holder that the well must be removed prior to construction. The permit holder is responsible for coordination with IDEM and the INDOT Permits Group for replacement or relocation of the well. If a property owner cannot be found in connection with the monitoring well, then well abandonment will be included in the project contract. All well abandonment activities must be

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	Indiana Department of Transportation							
County	Vigo	Route	Clinton Street	Des. No.	1901781			
	completed by an Indiana Lic well is abandoned by the con driller's license number, must excavation occurs in this are removal, and disposal of soil for the recommended proced coordination with the IDEM F	ntractor or the prost be provided to ea, it is possible pland/or groundwdure to manage	roperty owner, a reconthe INDOT Project Moetroleum contaminativater may be necessal and report contamination, Doug Bartz (dbartz@	rd of well abandonmander once the westion may be encountary. Refer to Appendiction. Because this is midem.IN.gov) will o	ent, including the well ell has been abandoned. If ered. Proper handling, ix G of the SAM Manual an active site, ccur before RFC.			
•	• Jiffy Mini-Mart #518 (aka Phillips 66), 5083 N. Lafayette St., AI ID #54884, is adjacent to the southern project terminus on the southeast corner of Park Avenue and Lafayette Street (which becomes Clinton Street north of Park Avenue). The facility notified IDEM in September 1992 that it intended to remove all five (5) existing USTs as a part of installing new tanks. Upon removal of the tanks, impacted soil was discovered in the excavation. The facility notified IDEM of a release and indicated that corrective action would be determined. No other documents related to the release were found in the VFC file, so it is unknown whether or not any corrective action or additional investigation was implemented during reconstruction of the site. Due to the lack of available information, petroleum-related contamination could still be present. If excavation occurs in this area, it is possible that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination.							
this doc will sup	Applicable recommendations provided by resource agencies are included in the Environmental Commitments section of this document. If permits are found to be necessary, the conditions of the permit will be requirements of the project and will supersede these recommendations. It is the responsibility of the project sponsor to identify and obtain all required permits.							
	Part IV – Permits and Commitments							
PERMI	TS CHECKLIST							
F	Permits (mark all that apply)		Likely Required					
ı	Army Corps of Engineers (404) Nationwide Permit (NWP Regional General Permit Individual Permit (IP) Other N Department of Environment) (RGP)	x					
(401/Rule 5) Nationwide Permit (NWP Regional General Permit Individual Permit (IP) Isolated Wetlands Rule 5 (CSGP)		X					

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IN Department of Natural Resources Construction in a Floodway Navigable Waterway Permit

US Coast Guard Section 9 Bridge Permit

Other **Mitigation Required**

unty	Vigo	Route	Clinton Street	Des. No.	1901781
Per	mits (mark all that app	ly)	Likely Required		
Oth	ers (Please discuss i	n the discussion below)		
ne perm	nits likely required for th	e project and summarize	why the permits are ne	eeded, including permi	ts designated as "Other."
mated	4.857 acres of soil d	isturbance. This projec	t will require an IDNI	R CIF permit, Section	n 401 WQC, and a
ny obje	ect exceeds 25 ft. in h	eight regardless of loc	ation, coordination w	vith INDOT Aviation	will occur.
docun	nent. If permits are fo	ound to be necessary, t			
the re	sponsibility of the pro	ject sponsor to identify	and obtain all requi	red permits.	
VIRON	MENTAL COMMITM	IENTS			
		aname of agency/organiz	zation requesting/requi	ring the commitment(s). Listed commitments
Divisio	on (ESD) and the IN	IDOT District Environr			
					ncy services at least two
				eas is prohibited unl	ess specifically allowed in
		t. in height regardless	of location, coordin	ation with INDOT A	viation will occur. (INDOT
habita	t are aware of all	FHWA/FRA/FTA (Tran			
LIGHT	ΓING AMM 1: Direct t	emporary lighting away	y from suitable habita	at during the active s	eason. (USFWS)
			pects of the project	(e.g., temporary w	ork areas, alignments) to
limit tr	ree removal to 10 or outside of document	fewer trees per projected roosting/foraging	ct at any time of yea habitat or travel co	r within 100 feet of	existing road/ rail surface
	Per Oth ne perm e project mated ction 40 ny object document of the recommendation and the recommendation of th	Permits (mark all that apple Others (Please discuss in the permits likely required for the project will require a Constanted 4.857 acres of soil distinated 5.857 acres of soil distinated 5.857 acres of soil distinated 6.857 acres of soil distinated	Permits (mark all that apply) Others (Please discuss in the discussion below the permits likely required for the project and summarized to project will require a Construction Stormwater Geomated 4.857 acres of soil disturbance. This project stion 404 RGP due to the placement of Class 2 riput only object exceeds 25 ft. in height regardless of local document. If permits are found to be necessary, it is supersede these recommendations. The responsibility of the project sponsor to identify the responsibility of the project sponsor to identify the scope of work or permanent or temporary in INDOT Crawfordsville District) It is the responsibility of the project sponsor to weeks prior to any construction that would block of the U.S. Army Corps of Engineers permit. (INDOT if any object exceeds 25 ft. in height regardless Aviation) GENERAL AMM 1: Ensure all operators, employ habitat are aware of all FHWA/FRA/FTA (Tranapplicable AMMs. (USFWS) LIGHTING AMM 1: Direct temporary lighting away the REMOVAL AMM 1: Modify all phases/as avoid tree removal. (USFWS) TREE REMOVAL AMM 2: Apply time of year restlimit tree removal to 10 or fewer trees per project and outside of documented roosting/foraging	Permits (mark all that apply) Others (Please discuss in the discussion below) Depermits likely required for the project and summarize why the permits are not project will require a Construction Stormwater General Permit (CSGP mated 4.857 acres of soil disturbance. This project will require an IDNI tition 404 RGP due to the placement of Class 2 riprap and temporary on object exceeds 25 ft. in height regardless of location, coordination will document. If permits are found to be necessary, the conditions of the supersede these recommendations. The responsibility of the project sponsor to identify and obtain all required to be numbered. Discommitments and include the name of agency/organization requesting/required to be numbered. Discommitments and include the name of agency/organization requesting/required to be numbered. 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Discommitments and include the name of agency/organization requesting/required to be numbered. Discommitments and include the name of agency/organization requesting/required to be numbered. Discommitments and include the name of agency/organizatio	Permits (mark all that apply) Others (Please discuss in the discussion below) De permits likely required for the project and summarize why the permits are needed, including permit project will require a Construction Stormwater General Permit (CSGP), formerly a Rule 5 mated 4.857 acres of soil disturbance. This project will require an IDNR CIF permit, Section 404 RGP due to the placement of Class 2 riprap and temporary construction access by object exceeds 25 ft. in height regardless of location, coordination with INDOT Aviation to place the series of the permits are found to be necessary, the conditions of the permit will be required supersede these recommendations. The responsibility of the project sponsor to identify and obtain all required permits. WIRONMENTAL COMMITMENTS If the scope of work or permanent or temporary right-of-way amounts change, the INDOT Division (ESD) and the INDOT District Environmental Section will be contacted immed INDOT Crawfordsville District) It is the responsibility of the project sponsor to notify school corporations and emerges weeks prior to any construction that would block or limit access. (INDOT ESD) Any work in a wetland area within right-of-way or in borrow/waste areas is prohibited unle the U.S. Army Corps of Engineers permit. (INDOT ESD) If any object exceeds 25 ft. in height regardless of location, coordination with INDOT Avaviation) GENERAL AMM 1: Ensure all operators, employees, and contractors working in areas of habitat are aware of all FHWA/FRA/FTA (Transportation Agencies) environmental coapplicable AMMs. (USFWS) TREE REMOVAL AMM 1: Modify all phases/aspects of the project (e.g., temporary wavoid tree removal. (USFWS) TREE REMOVAL AMM 2: Apply time of year restrictions for tree removal when bats are a limit tree removal to 10 or fewer trees per project at any time of year within 100 feet of and outside of documentated roosting/foraging habitat or travel corridors; visual emergence of the project of the project of the project of the project of the projec

This is page 28 of 31 Project name: <u>Terre Haute – Clinton Street Rehabilitation</u> Date: <u>June 4, 2025</u>

County	Vigo	Route	Clinton Street	Des. No.	1901781	

- 9) TREE REMOVAL AMM 3: Ensure tree removal is limited to that specified in project plans and ensure that contractors understand clearing limits and how they are marked in the field (e.g., install bright colored flagging/fencing prior to any tree clearing to ensure contractors stay within clearing limits). (USFWS)
- 10) TREE REMOVAL AMM 4: Do not remove documented Indiana bat or NLEB roosts that are still suitable for roosting, or trees within 0.25 miles of roosts, or documented foraging habitat any time of year. (USFWS)
- 11) It was determined that the project's surrounding habitat near Structure No. 84-00242, may be conducive for use (i.e. nests) by a bird species protected under the Migratory Bird Treaty Act (MBTA). Prior to the start of nesting season (May 1) the structure and impacted surroundings must be inspected for birds or signs of birds. If birds or signs of birds are found during the inspection avoidance and minimization measures must be implemented prior to the start of and during the nesting season. Nests without eggs or young should be removed prior to construction during the non-nesting season (September 8 April 30) and during the nesting season if no eggs or young are present. Nests with eggs or young cannot be removed or disturbed during the nesting season (May 1 September 7). Nests with eggs or young should be screened or buffered from active construction. Details of the required procedures are outlined in the "Potential Migratory Bird on Structure" USP. (INDOT ESD)
- 12) A bridge inspection occurred on January 22, 2025, and found evidence of bats using the bridge. USFWS Bridge/Structure Assessment are only valid for two years. If construction will begin after January 22, 2027, an inspection of the structure by a qualified individual, must be performed. Inspection of the structure should check for presence of bats/bat indicators and/or presence of birds. The results of the inspection must indicate no signs of bats or birds. If signs of bats or birds are documented during this inspection, the INDOT District Environmental Manager must be contacted immediately. This firm commitment is included in the Environmental Commitments of this document. (USFWS)
- 13) Otter Creek is listed as impaired for *E. Coli* and pH. Workers who are working in or near water with *E. Coli* should take care to wear appropriate PPE, observe proper hygiene procedures, including regular hand washing, and limit personal exposure. Concerning pH, BMPs will be used to avoid further degradation to the stream. (INDOT SAM)
- 14) There are no UST sites mapped within the 0.5 mile search radius: however, a review of street-level photography indicated the presence of a building in the northwest quadrant of the intersection of Park Avenue and Clinton Street at the southern project terminus that is visually consistent with a former filling station. The property (currently occupied by Parting Hair Salong, 5120 N Clinton St.) does not appear in the UT or LUST databases, which could indicate it might have ceased operations as a filling station prior to 1986, when UST registration became a requirement. Due to the lack of available data regarding subsurface conditions at the property, it is possible that petroleum0related contamination could be present: additionally, due to the age of suspect filling station operations and the historic use of leaded gasoline, lead contamination would likely be present concurrent with any petroleum release. If excavation occurs in this area, it is possible that petroleum contamination may be encountered. Proper handling, removal, and disposal of soil and /or groundwater may be necessary. Before proper removal and disposal of soil and /or groundwater, analysis for lead will be necessary. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination. (INDOT SAM)
- 15) Pit Stop Marathon, 6321 N. Clinton St, Agency Interest (AI) ID #54557, is near the northern project terminus on the northeast corner of Clinton Street and Crystle/E. Hasselburger Avenue. The facility is in the early stage of addressing a release that was discovered in November 2021. Free product has been observed in onsite wells, and a petroleum constituent plume in the groundwater has been identified extending westward (following the groundwater flow direction) across Clinton Street to impact a residential well opposite the gas station. Corrective actions are still under evaluation. Groundwater at the location is fairly deep, with depth-to-water measurements in the monitoring wells ranging from 27-60 feet below grade. Although it is unlikely that project activities would encounter the impacted groundwater, there may be soil impacts extending to shallower depths. If groundwater

This is page 29 of 31	Project name:	Terre Haute – Clinton Street Rehabilitation	Date: June 4 2025

County Vigo Route Clinton Street Des. No. 1901781	
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monitoring wells are encountered in the project area, they should be maintained in-place. If they cannot be maintained, then the contractor must contact the INDOT Project Manager who will notify the INDOT Permits Group. The INDOT Permits Group will notify the permit holder that the well must be removed prior to construction. The permit holder is responsible for coordination with IDEM and the INDOT Permits Group for replacement or relocation of the well. If a property owner cannot be found in connection with the monitoring well, then well abandonment will be included in the project contract. All well abandonment activities must be completed by an Indiana Licensed Well Driller in accordance with 312 IAC 13-10. Regardless of whether the well is abandoned by the contractor or the property owner, a record of well abandonment, including the well driller's license number, must be provided to the INDOT Project Manager once the well has been abandoned. If excavation occurs in this area, it is possible petroleum contamination may be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination. Because this is an active site, coordination with the IDEM Project Manager, Doug Bartz (dbartz@idem.IN.gov) will occur before RFC. (INDOT SAM)

- 16) Jiffy Mini-Mart #518 (aka Phillips 66), 5083 N. Lafayette St., AI ID #54884, is adjacent to the southern project terminus on the southeast corner of Park Avenue and Lafayette Street (which becomes Clinton Street north of Park Avenue). The facility notified IDEM in September 1992 that it intended to remove all five existing underground storage tanks as a part of installing new tanks. Upon removal of the tanks, impacted soil was discovered in the excavation. The facility notified IDEM of a release and indicated that corrective action would be determined. No other documents related to the release were found in the VFC file, so it is unknown whether or not any corrective action or additional investigation was implemented during reconstruction of the site. Due to the lack of available information, petroleum-related contamination could still be present. If excavation occurs in this area, it is possible that petroleum contamination will be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary. Refer to Appendix G of the SAM Manual for the recommended procedure to manage and report contamination. (INDOT SAM)
- 17) If a survey marker is disturbed or destroyed, it should be reset with a Harrison Survey Marker supplied by the Vigo County Surveyor's office. An incident report should also be filed with the Vigo County Surveyor's office showing tie-in information before the survey marker is disturbed and coordinates at the time of resetting of the marker. (Vigo County Surveyor)

For Further Consideration:

- 1) Vigo County Bridge No. 242 (Structure No. 84-00242, NBI No. 8400169) has shown evidence of use (i.e. guano and/or live bats) by a non-listed bat species during the January 22, 2025, inspection. To minimize bat disturbance, if construction will occur during active bat season on any area of the bridge/structure the bats are using, the area shall temporarily be filled with an expandable material prior to active bat season. The structure shall also be inspected for bats prior to demolition, exclusion, or any construction activities. If signs of bats are documented during this inspection, the INDOT District Environmental Manager must be contacted immediately. Details of the required procedures are outlined in the "Bat Inspection and Coordination USP". (INDOT ESD, USFWS)
- 2) Impacts to non-wetland forest of one (1) acre or more should be mitigated at a minimum 2:1 ratio. If less than one acre of non-wetland forest is removed in a rural setting, replacement should be at a 1:1 ratio based on area. Impacts to non-wetland forest under one (1) acre in an urban setting should be mitigated by planting five trees, at least 2 inches in diameter-at-breast height (dbh), for each tree which is removed that is 10 inches dbh or greater (5:1 mitigation based on the number of large trees). (IDNR-DFW)
- 3) The new, replacement, or rehabbed structure should not create conditions that are less favorable for wildlife passage under the structure compared to the current conditions. (IDNR-DFW)
- 4) Do not excavate in the low flow area except for the placement of piers, foundations, and riprap, or removal of the old structure. (IDNR-DFW)

This is page 30 of 31	Project name:	Terre Haute – Clinton Street Rehabilitation	Date:	June 4, 2025
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Со	unty	Vigo		Route _	Clinton Street	<u></u>	Des. No.	1901781	
5)	Do no (IDNR	t construct ar -DFW)	ny temporary runa	arounds, acce	ss bridges, cau	seways, coff	erdams, div	ersions, or pu	ımparounds
6)	Use n aquati	ninimum aver ic organisms i	rage 6 inch grad n the voids. (IDN	ed riprap stor R-DFW)	e extended be	low the norn	nal water le	vel to provid	e habitat foi
	This is a	page 31 of 31	Project name:	Terre Haute –	Clinton Street R	ehabilitation	Date:	June 4, 20	25

Version: December 2021

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APPENDIX A: INDOT Supporting Documentation

Categorical Exclusion Level Thresholds

	PCE	Level 1	Level 2	Level 3	Level 4 ¹	
Section 106	Falls within guidelines of Minor Projects PA	"No Historic Properties Affected"	"No Adverse Effect"	-	"Adverse Effect" Or Historic Bridge involvement ²	
Stream Impacts ³	No construction in waterways or water bodies	< 300 linear feet of stream impacts	≥ 300 linear feet of stream impacts	-	USACE Individual 404 Permit ⁴	
Wetland Impacts ³	No adverse impacts to wetlands	< 0.1 acre	-	< 1.0 acre	≥ 1.0 acre	
Right-of-way ⁵	Property acquisition for preservation only or none	< 0.5 acre	≥ 0.5 acre	-	-	
Relocations ⁶	None	-	-	< 5	≥ 5	
Threatened/Endangered Species (Species Specific Programmatic for Indiana bat & northern long eared bat)*	"No Effect", "Not likely to Adversely Affect" (With select AMMs ⁷)	"Not likely to Adversely Affect" (With any AMMs or commitments)	-	"Likely to Adversely Affect"	Project does not fall under Species Specific Programmatic ⁸	
Threatened/Endangered Species (Any other species)*	Falls within guidelines of USFWS 2013 Interim Policy or "No Effect"	"Not likely to Adversely Affect"	-	-	"Likely to Adversely Affect"	
Environmental Justice	No disproportionately high and adverse impacts	-	-	-	Potential ⁹	
Sole Source Aquifer	No Detailed Groundwater Assessment	-	-	-	Detailed Groundwater Assessment	
Floodplain	No Substantial Impacts	•	-	-	Substantial Impacts	
Section 4(f) Impacts	None	=	-	-	Any ¹⁰	
Section 6(f) Impacts	None	-	-	-	Any	
Permanent Traffic Alteration	None	-	-	-	Any	
Noise Analysis Required	No	-	-	-	Yes	
Air Quality Analysis Required	No	-	-	-	Yes ¹¹	
Approval LevelDistrict Env. (DE)Env. Serv. Div. (ESD)FHWA	Concurrence by DE or ESD	DE or ESD	DE or ESD	DE and/or ESD	DE and/or ESD; and FHWA	

Coordinate with INDOT Environmental Services Division. INDOT will then coordinate with the appropriate FHWA Environmental Specialist.

² Any involvement with a bridge processed under the Historic Bridge Programmatic Agreement.

³ Total permanent impacts to streams (linear feet) and wetlands (acres).

⁴US Army Corps of Engineers Individual 404 Permit

⁵ Total permanent and temporary right-of-way. This does not include reacquisition of existing apparent right-of-way.

⁶ If any relocations are within an area with a known or suspected Environmental Justice (EJ) or disadvantaged population, or has greater than 5 relocations, a conversation with FHWA, through INDOT ESD, is needed to confirm NEPA classification and outreach plan for the project.

Avoidance and Mitigation Measures (AMMs) determined by the IPAC determination key to be required that are not tree AMMs, bridge AMMs, or structure AMMs.

⁸ Projects that do not fall under a Species Specific Programmatic and results in a "Likely to Adversely Affect". Other findings can be processed as a lower-level CE.

⁹ Potential for causing a disproportionately high and adverse impact.

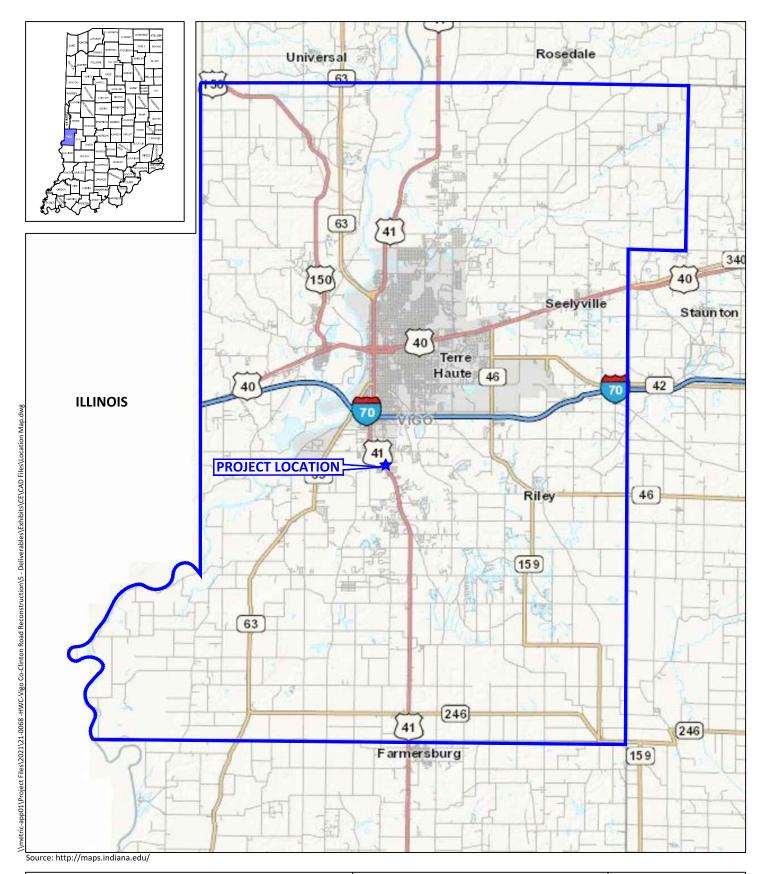
¹⁰ Section 4(f) use resulting in an Individual, Programmatic, or *de minimis* evaluation. The only exception is a *de minimis* evaluation for historic properties (Effective January 2, 2020). If a historic property *de minimis* and no other use, mark the *None* column.

¹¹ Hot Spot Analysis and/or MSAT Quantitative Emission Analysis.

^{*} Includes the threatened/endangered species critical habitat

Note: Substantial public or agency controversy may require a higher-level NEPA document.

APPENDIX B: Graphics



Location Map

Road Improvements and Bridge Rehabilitation (#242) N. Clinton Street from Park Avenue to Imperial Avenue, Otter Creek Township, North Terre Haute, Vigo County, Indiana Des. No 1901781 Metric Project #21-0068 All locations approximate

N

Not to Scale

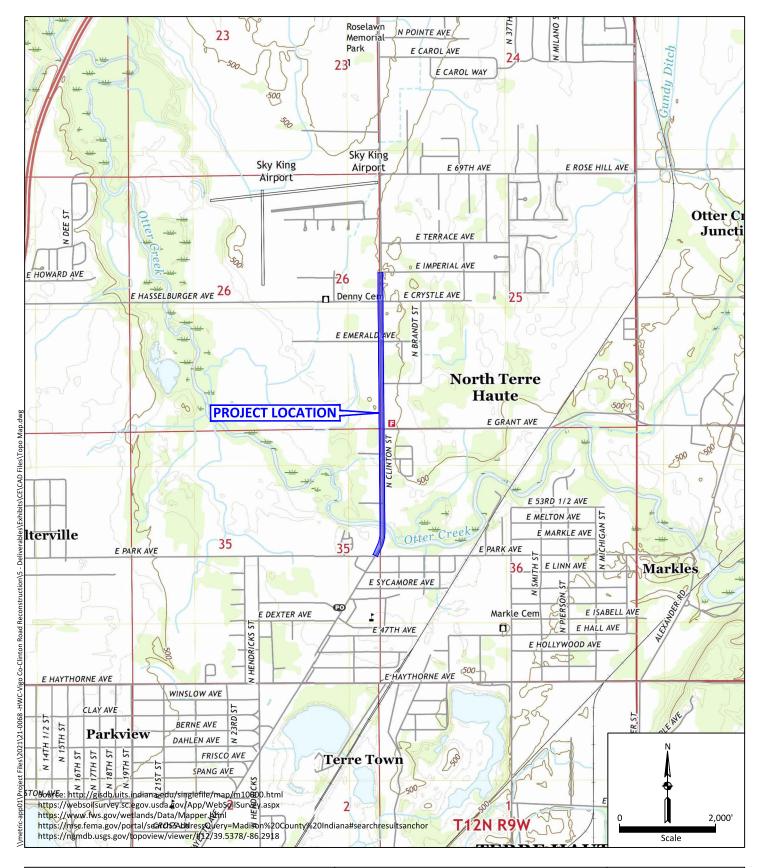


 Drawn by:
 ILJ

 Checked by:
 NH

 Approved by:
 SC

 Date:
 July, 2022



USGS Topographic Map

Road Improvements and Bridge Rehabilitation (#242) N. Clinton Street from Park Avenue to Imperial Avenue, Otter Creek Township, North Terre Haute, Vigo County, Indiana Des. No 1901781 Metric Project #21-0068 All locations approximate Base map: 2019 Rosedale, IN 7.5 Minute Quadrangle

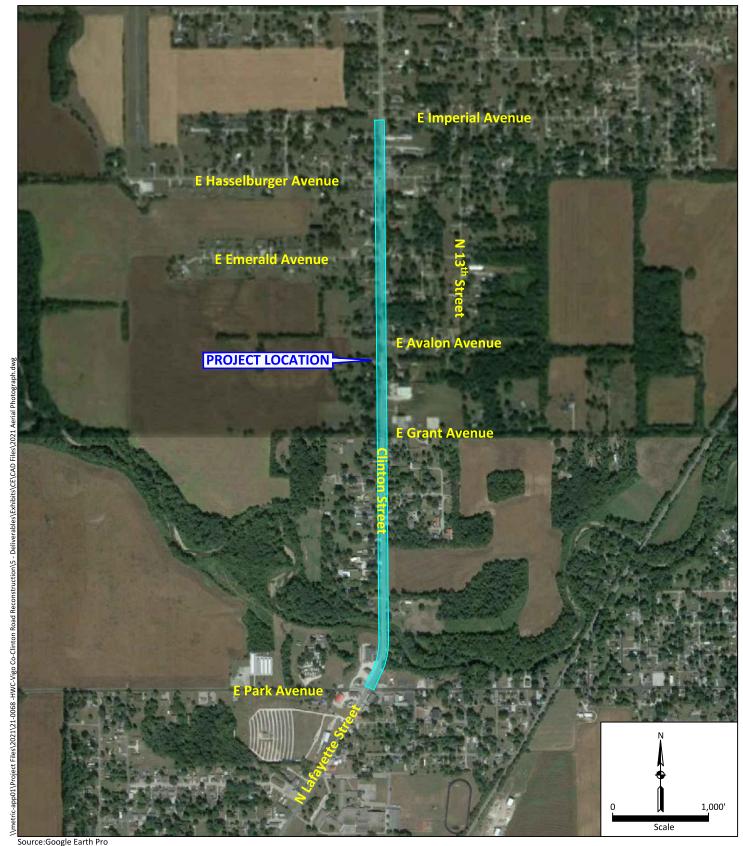


 Drawn by:
 ILJ

 Checked by:
 NH

 Approved by:
 SC

 Date:
 July, 2022



2020 Aerial Photograph

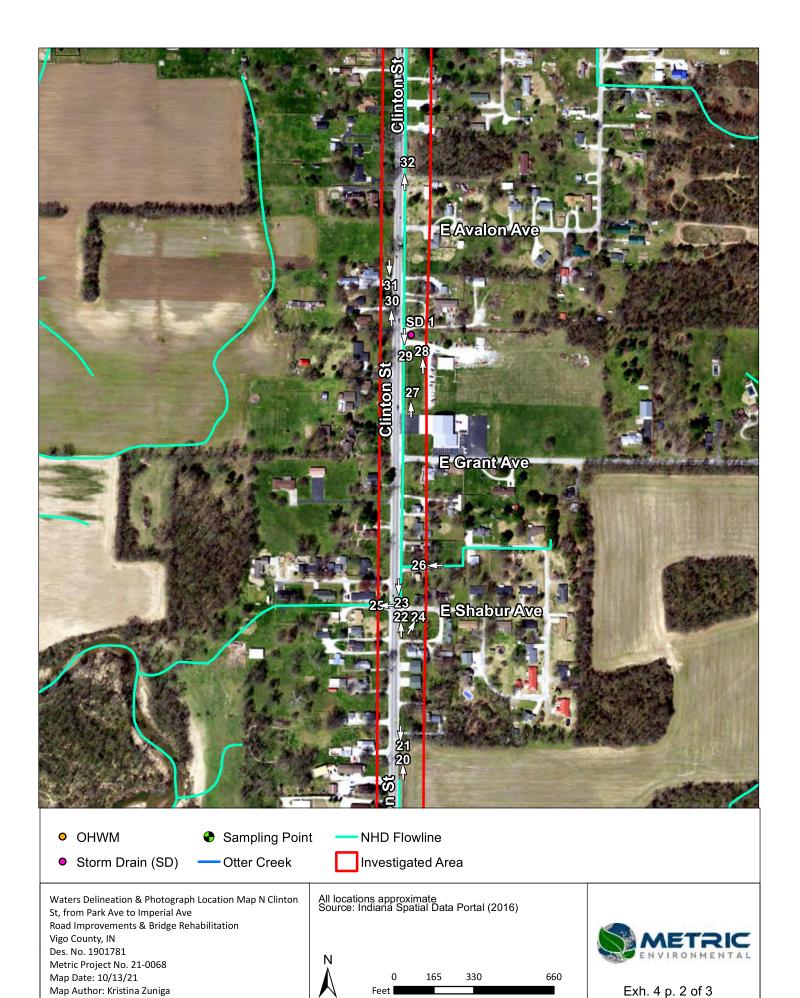
Road Improvements and Bridge Rehabilitation (#242) N. Clinton Street from Park Avenue to Imperial Avenue, Otter Creek Township, North Terre Haute, Vigo County, Indiana Des. No 1901781 Metric Project #21-0068 All locations approximate



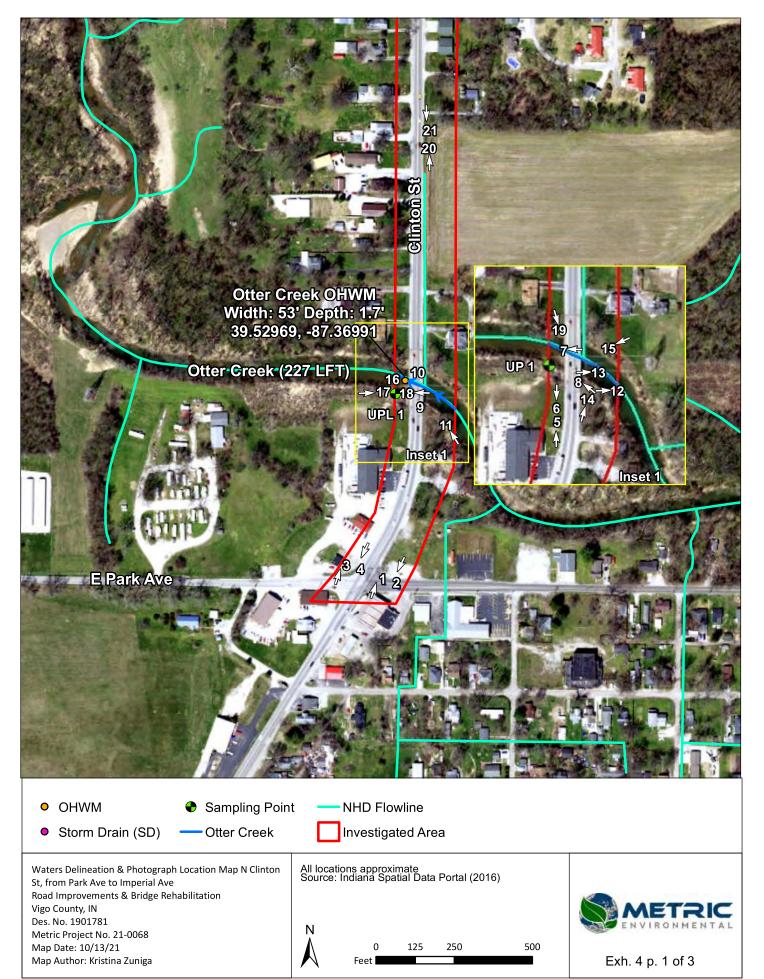
July, 2022

Date:





B-5





1. View of Clinton St. roadside area from E Park Ave. intersection, looking northeast.



3. View of Clinton St. roadside area from E Park Ave., looking northeast.



2. View of E Park Ave and Clinton St. intersection, looking southwest.



4. View of E Park Ave. and Clinton St. intersection, looking southwest.





5. View of Clinton St. roadside area, looking north.



6. View of Clinton St. roadside area, looking south.



7. Panoramic view of Otter Creek from Clinton St. bridge, looking west (downstream).





8. View of Otter creek from under Clinton St. overpass, looking northwest.



10. Profile view of swallow nests along Clinton St. bridge.



9. Profile view of animal tracks under Clinton St. overpass.



11. View of Clinton St. bridge over Otter Creek, looking northwest (downstream).





12. View of Otter Creek from investigated area (IA) limits, looking northeast (upstream).



13. Panoramic view of Otter Creek from atop of Clinton St. overpass, looking east. (upstream).





14. View of Otter Creek and upland vegetation along streambanks, looking northeast.



16. View of UP1, Upland Sampling Point 1, soil profile.



15. View of upland area, looking southwest.



17. View UP1, looking east.







18. View of UP1, looking west.



20. View of Clinton St. roadside area, looking north.



19. View of Otter Creek and upland vegetation, looking southeast.



21. View of Clinton St. roadside area, looking south.





22. View of E Shabur Ave and Clinton St. intersection, looking north



24. View of E Shabur right-of-way, looking northeast.



23. View of Clinton St. roadside area from E Shabur intersection, looking south.



25. View of unobserved NHD flowline, looking west.





26. View of unobserved NHD flowline, looking west.



28. View of storm drain, looking north.



27. View of Clinton St. roadside area, looking north.



29. View of Clinton St. roadside area, looking south.





30. View of Clinton St. roadside area, looking north.



32. View of Clinton St roadside area from E Emerald Ave, looking north (NHD flowline unobserved).



31. View of Clinton St., looking south.



33. View of Clinton St. roadside area from E Emerald Ave, looking south (NHD flowline unobserved).





34. View of E Emerald Ave ROW, looking northeast (NHD flowline unobserved).



36. View of Clinton St. roadside area from E Emerald Ave., looking north.



35. View of E Emerald Ave and Clinton St. intersection, looking south.



37. View of unobserved NHD flowline at E Hasselburger Ave, looking north.





38. View of E Hasselburger Ave and unobserved NHD flowline, looking west.



40. View of Clinton St. roadside area from E Imperial Ave, looking south.



39. View of Clinton St. roadside area from E Hasselburger Ave, looking south.



41. View of Clinton St. and Crystle Ave., looking north.





42. View of Clinton St. roadside area, looking south.



43. View of Clinton St. roadside area from Imperial Ave, looking south.



PROJECT	DESIGNATION
???	???
CONTRACT	
727	

VIGO COUNTY, INDIANA

LARRY ROBBINS, P.E., VIGO COUNTY ENGINEER, ERC

BRENDAN KEARNS -VIGO COUNTY COMMISSIONER MIKE MORRIS - VIGO COUNTY COMMISSIONER

CHRIS SWITZER - VIGO COUNTY COMMISSIONER

INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

ROUTE: CLINTON ROAD - PARK AVENUE TO IMPERIAL AVENUE PROJECT NO. 1901781 P.E.

PROJECT DESCRIPTION

PAVEMENT MILLING, RESURFACING, AND ROADWAY UNDENING AND RECONSTRUCTION OF CLINTON ROAD FROM THE INTERSECTION OF PARK AVENUE WORTH TO THE INTERSECTION OF IMPERIAL AVENUE WITH THE ROLQUARTER OF SECTION 35, THE SECTION 35, THE SEQ QUARTER OF SECTION 25, THE SECTION 35, THE SEQ QUARTER OF SECTION 25, THE SECTION 35, THE SEQ QUARTER OF SECTION 25, THE SECTION 35, THE SEQ QUARTER OF SECTION 25, THE SECTION 35, THE SEQ QUARTER OF SECTION 25, THE SECTION 35, THE SEQ QUARTER OF SECTION 25, THE SECTION 35, THE SECT





A.A.D.T. (2024) 11,145 V.P.C		
A.A.D.T. (2044)	12,644 V.P.D.	
D.H.V	??? V.P.D.	
DIRECTIONAL DISTRIBUTION	50%	
TRUCKS	4.3% A.A.D.T.	
	?? D.H.V.	
DESIGN DATA		
DESIGN SPEED 40 m/hr		
PROJECT DESIGN CRITERIA	3R NON-FREEWAY	
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL	
RURAL/URBAN	URBAN	
TERRAIN LEVEL		

ACCESS CONTROL



GROSS LENGT	TH:1.12 MI.
NET LENGTH:	1.12 MI.
MAX. GRADE:	3.7% EXISTING

NOTE:

INLET LOCATIONS AND DITCH GRADES ARE PRELIMINARY AND SUBJECT TO CHANGE ONCE FINAL GRADING IS COMPLETE.

INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2024

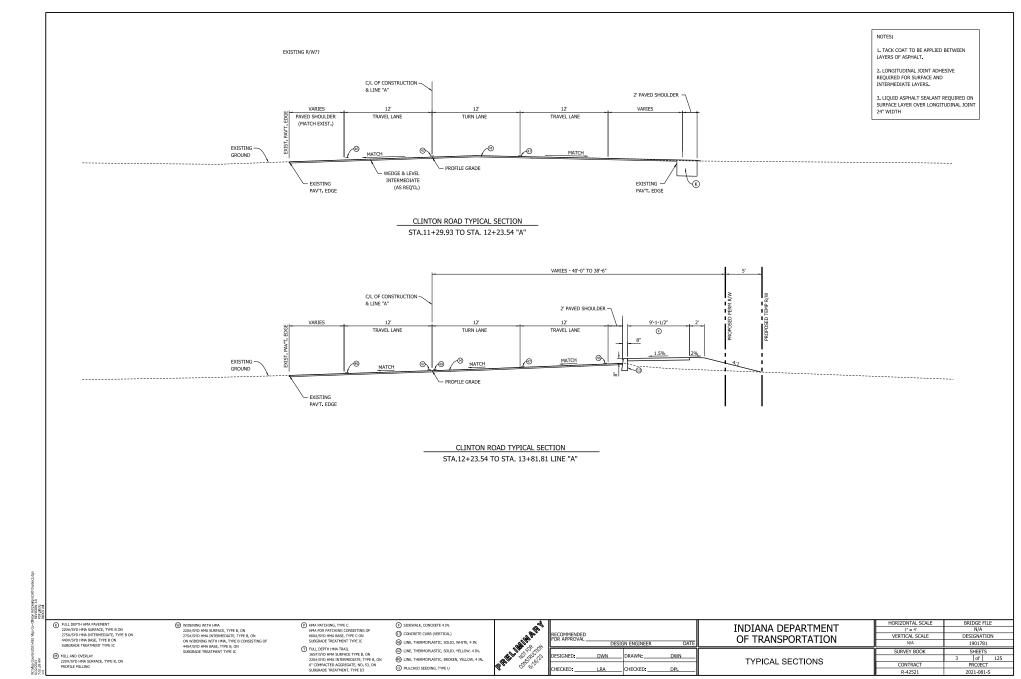


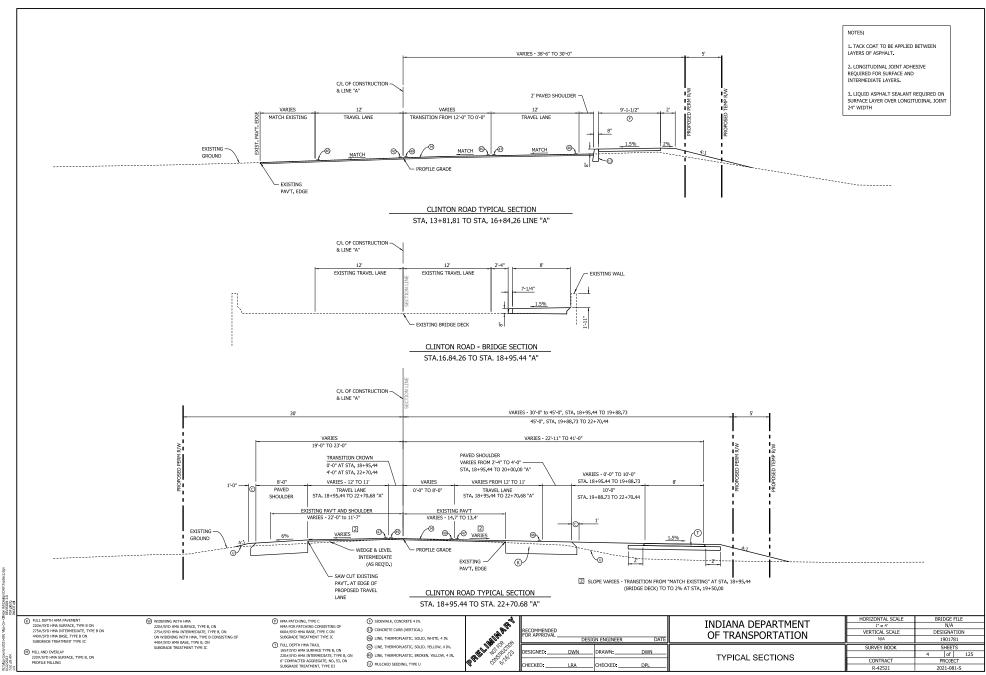
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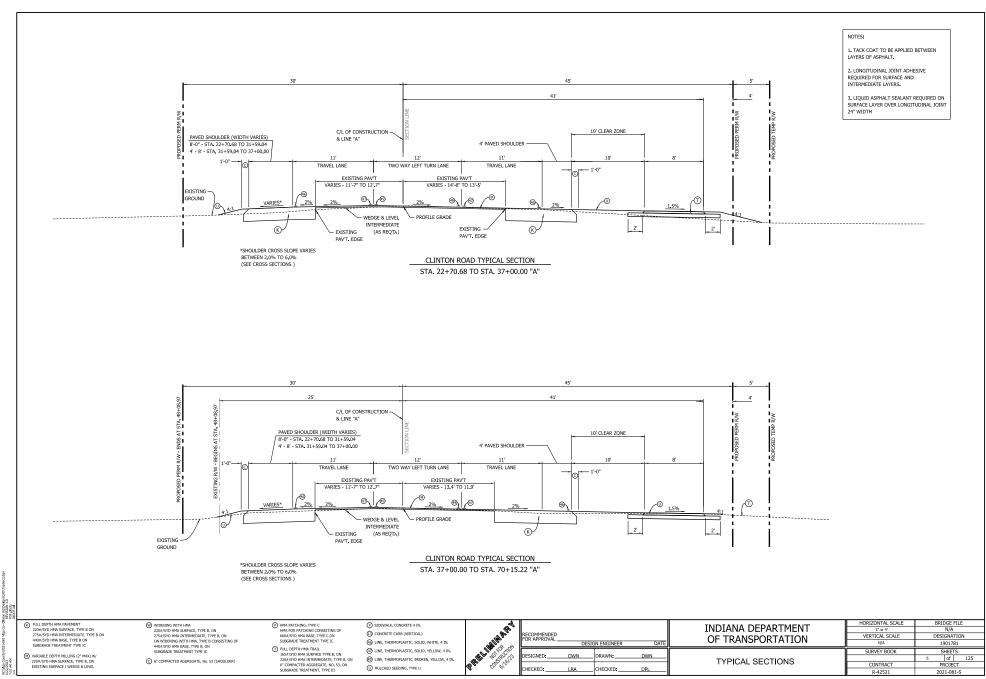
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		PHONE NUMBER
ERTIFIED BY:		
		DATE
PPROVED OR LETTING:		
	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

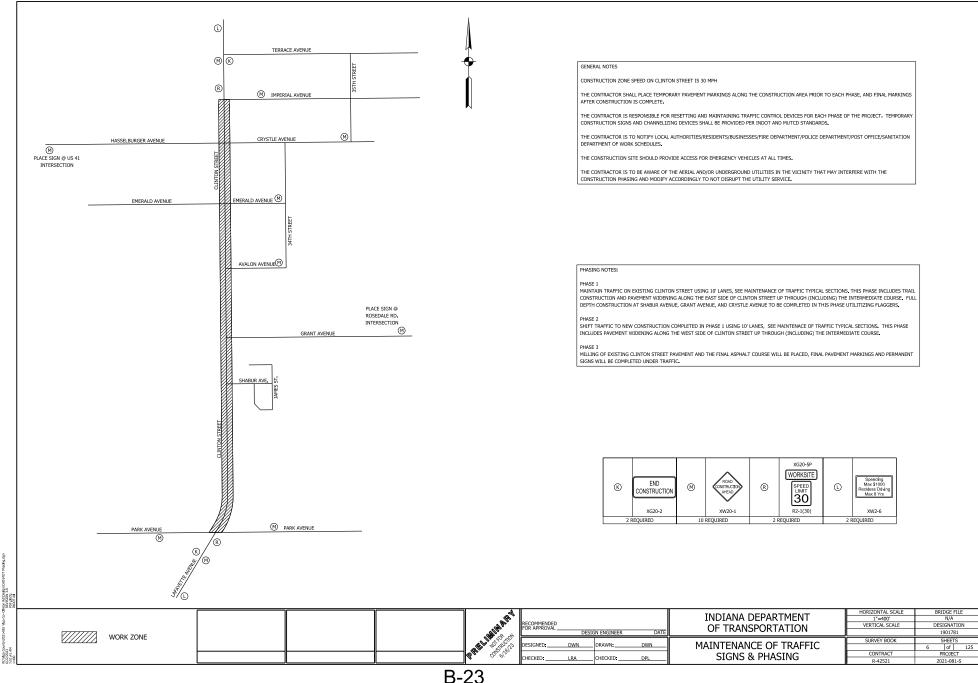
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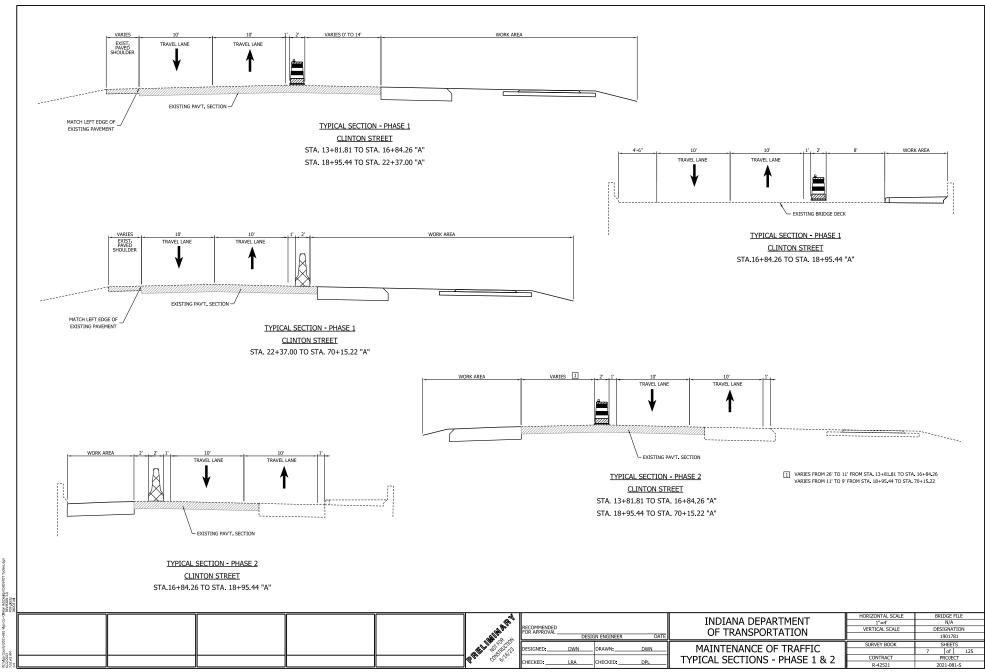


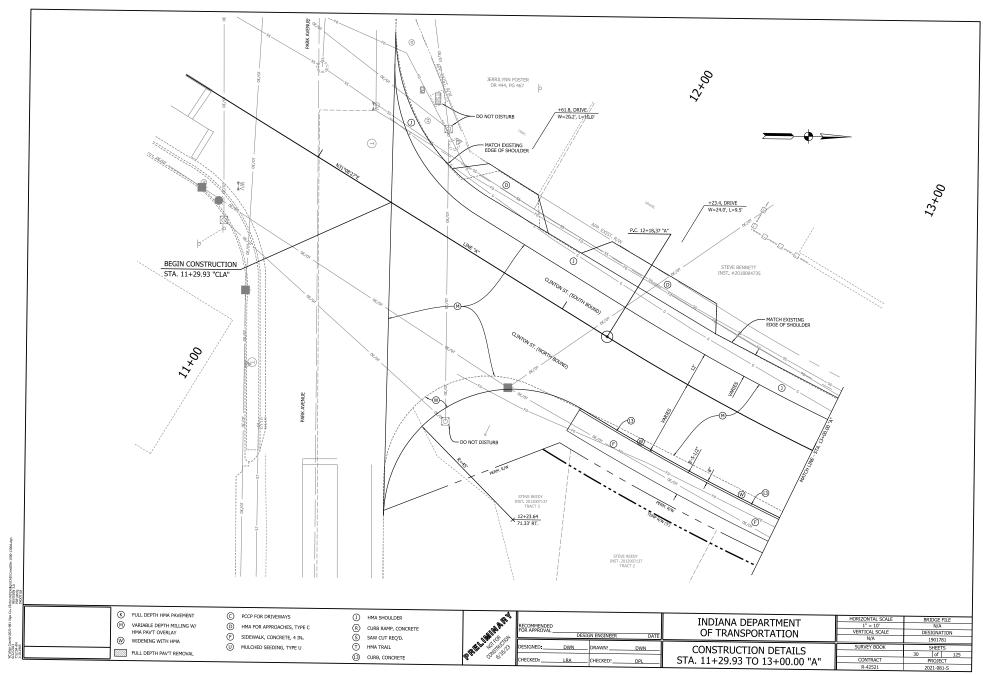


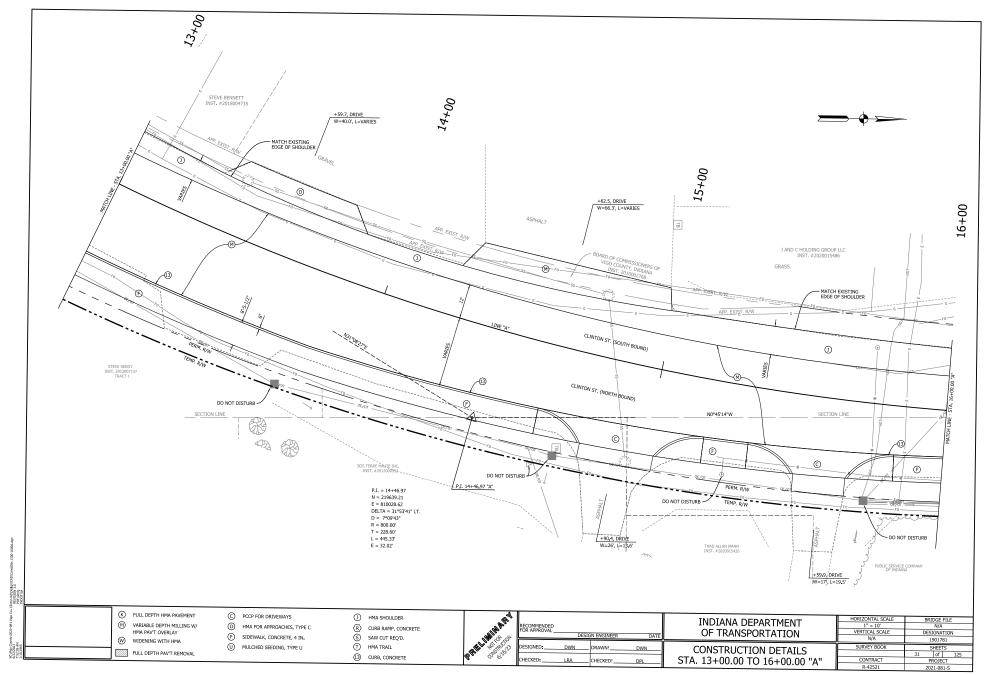
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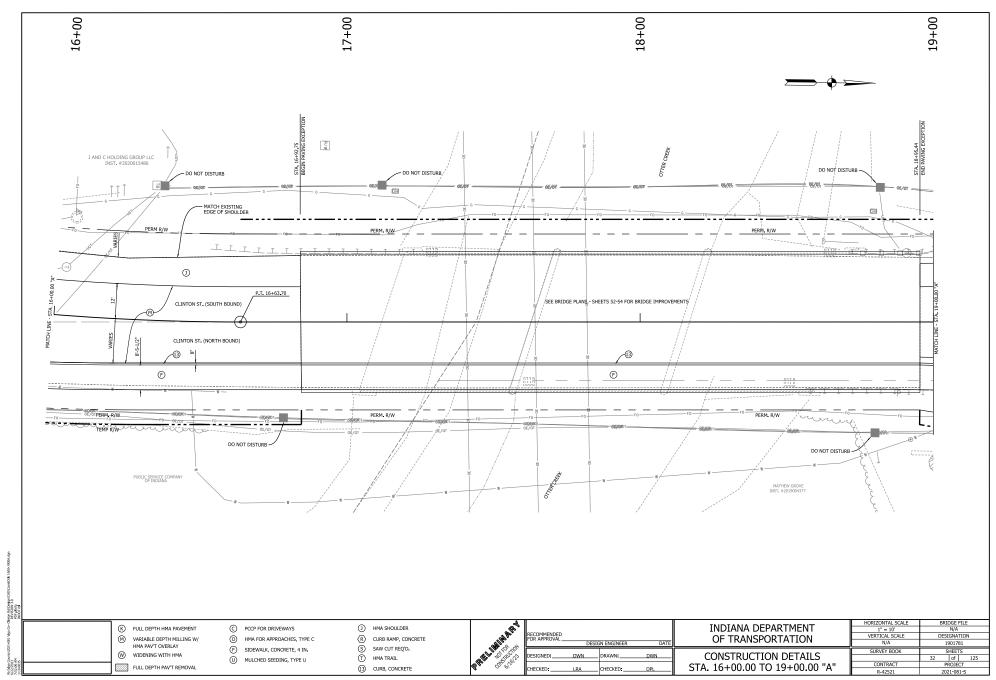




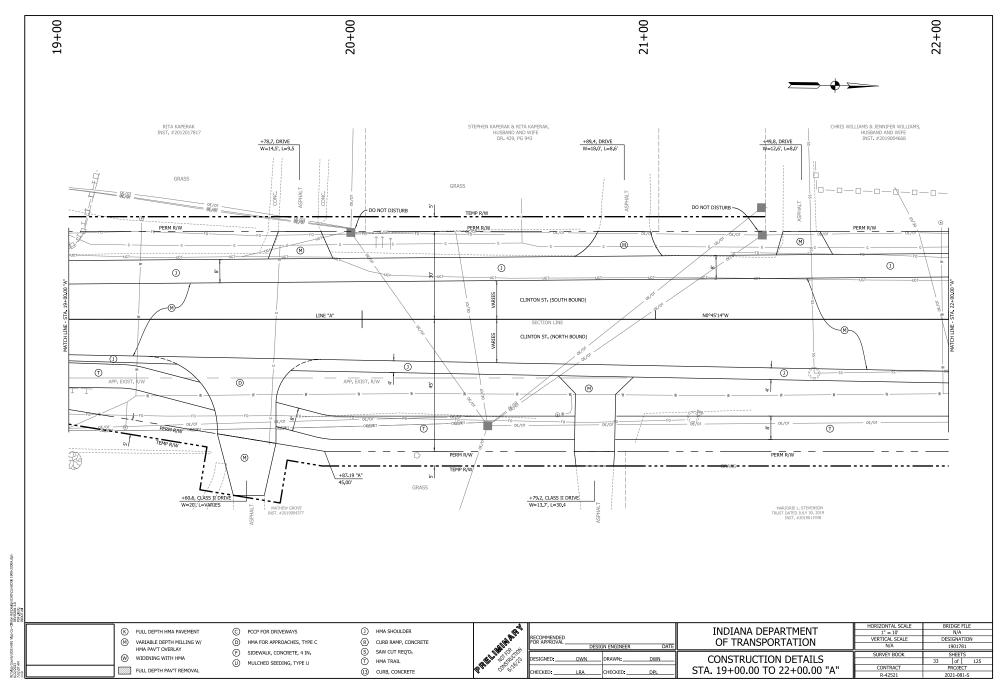




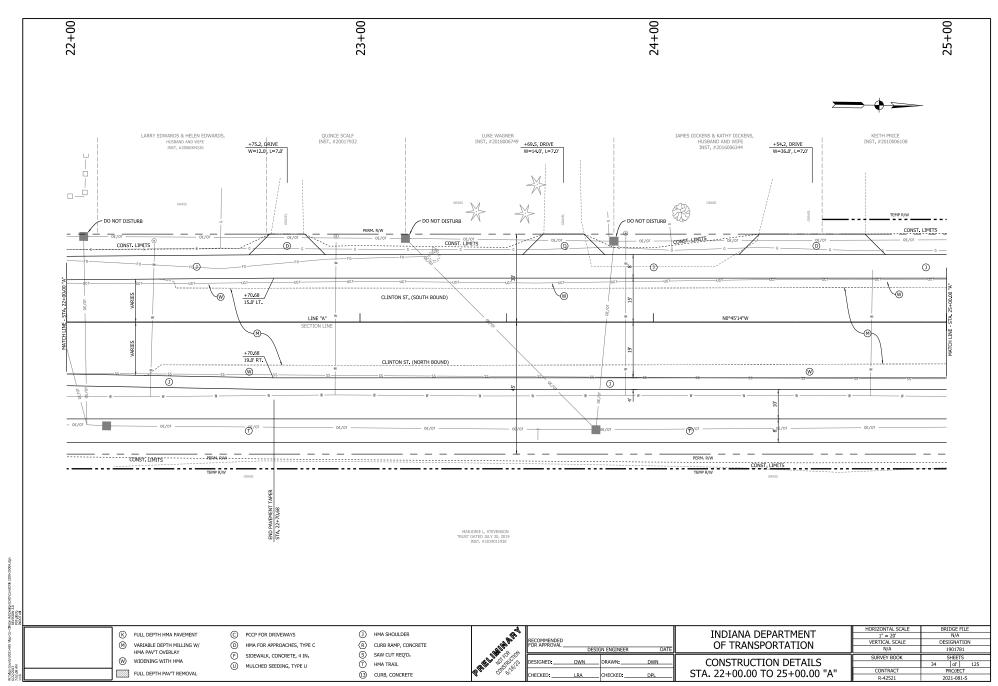




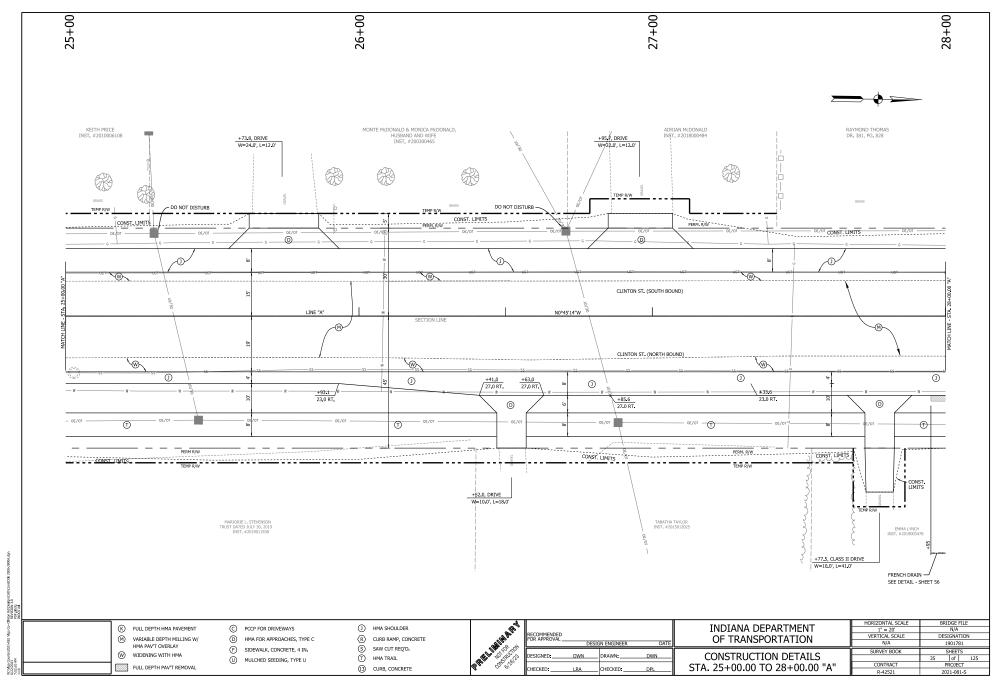
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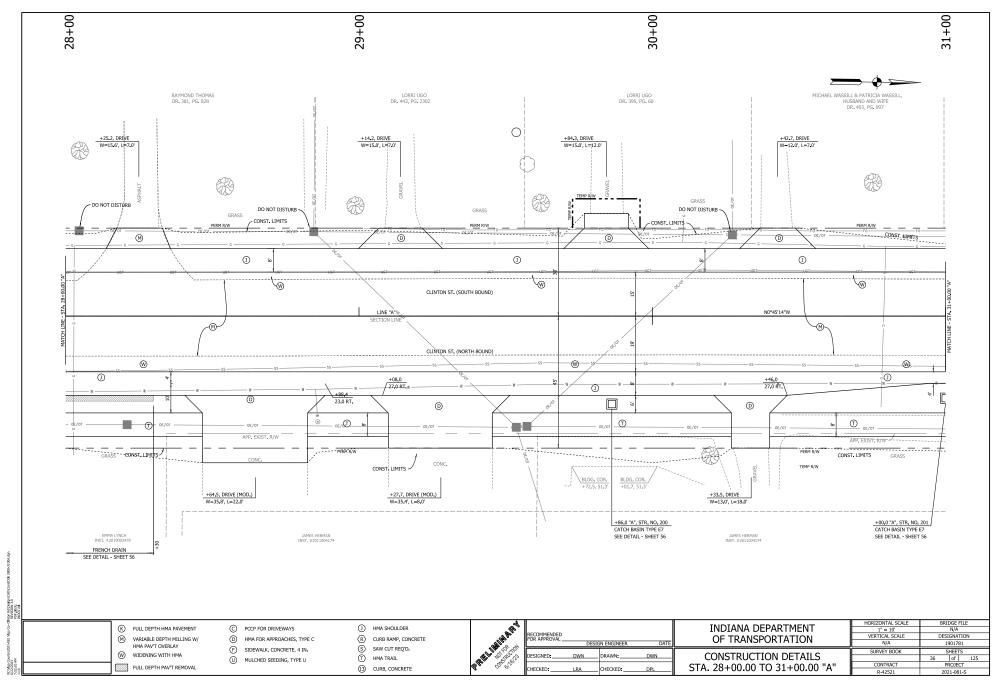
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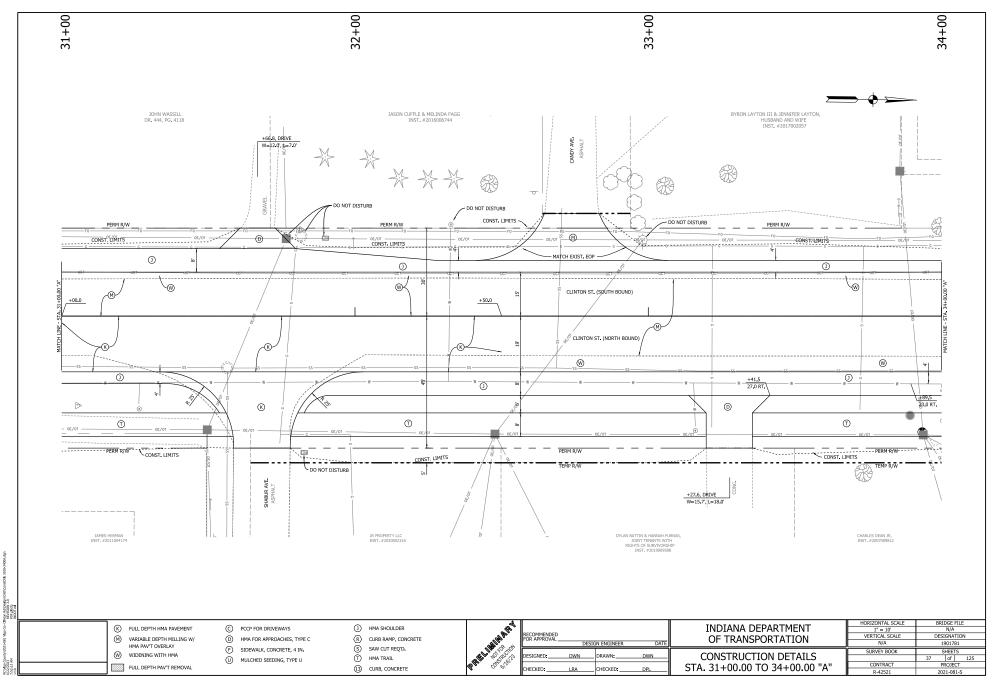
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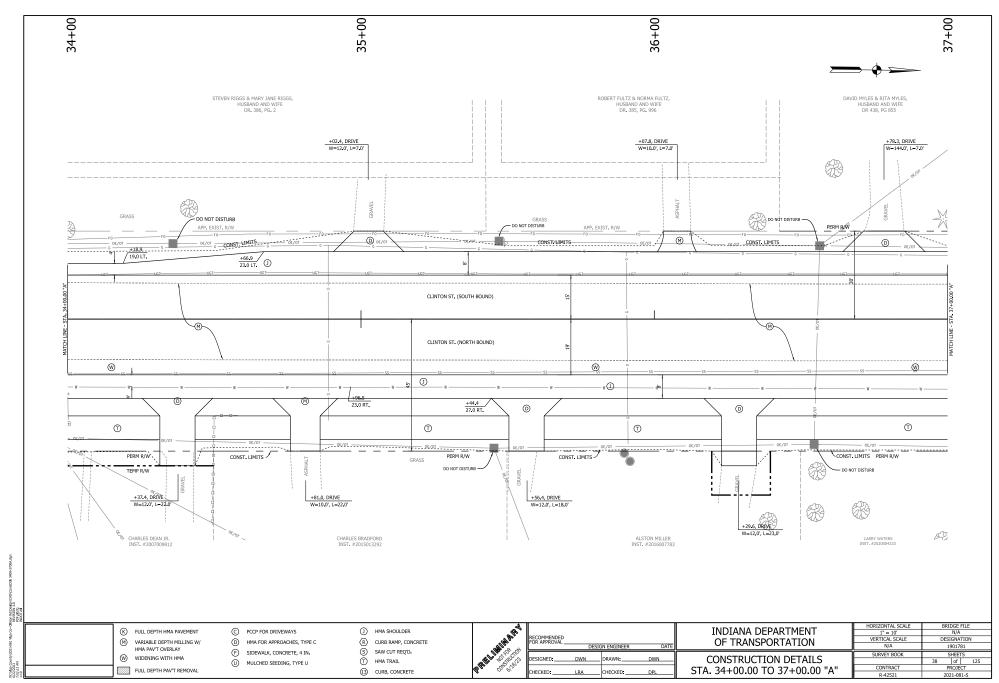
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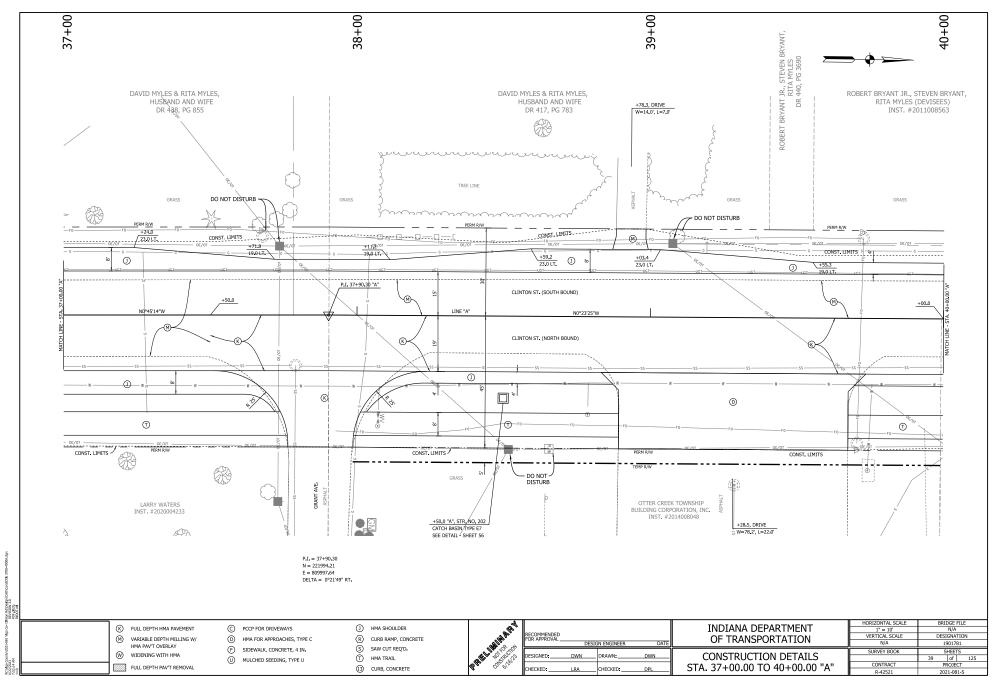
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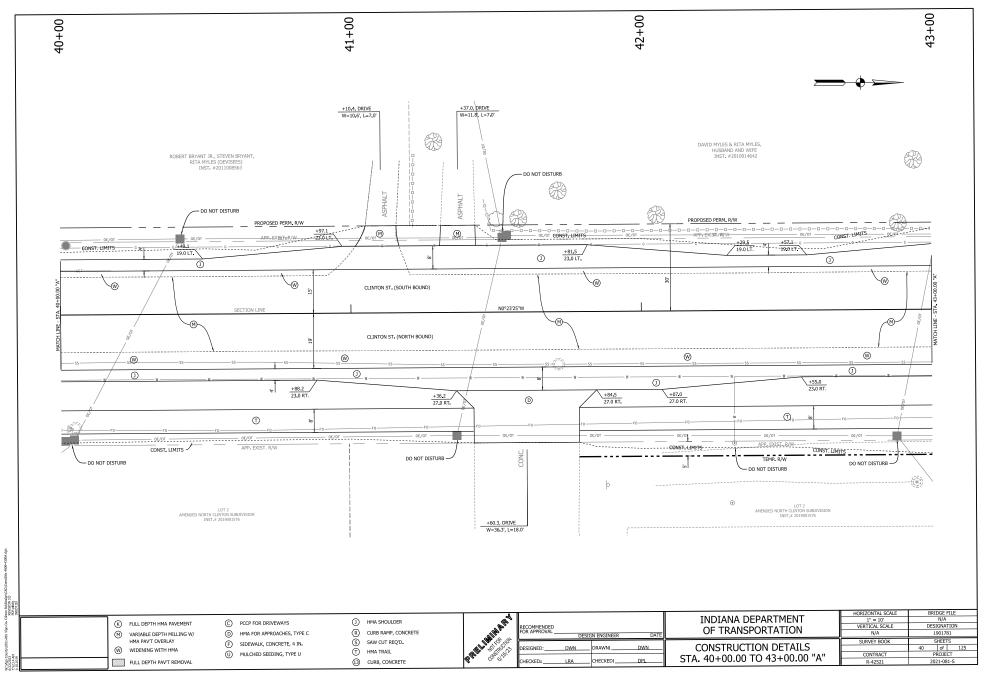
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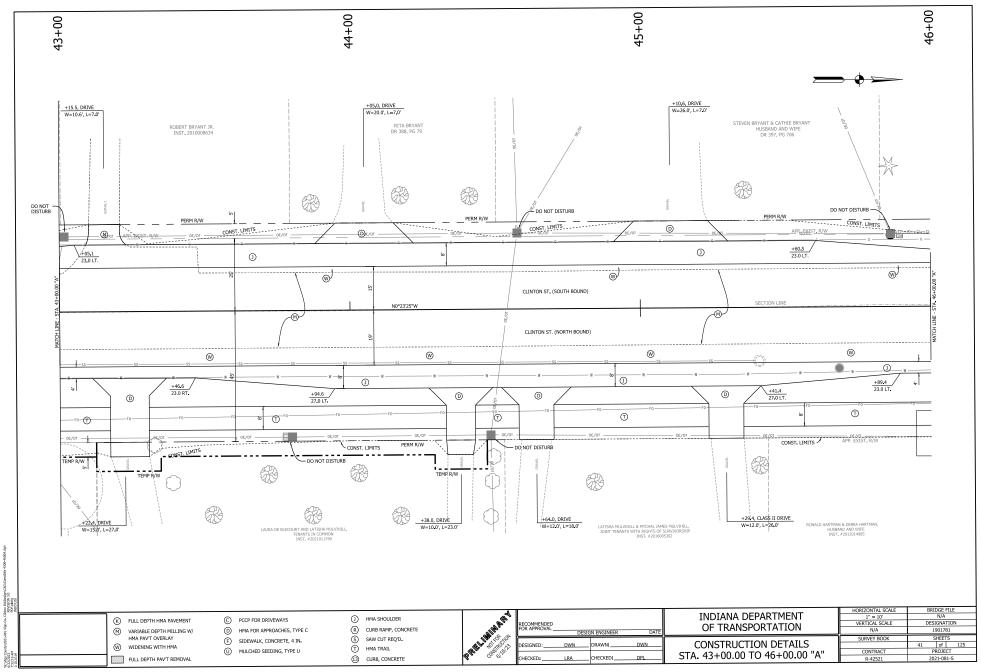
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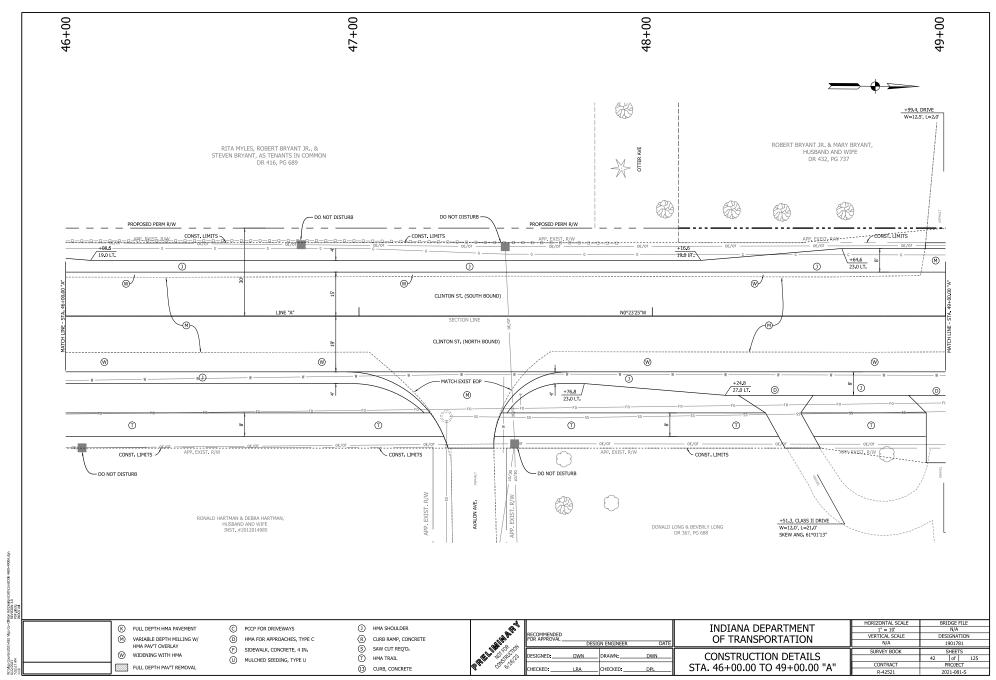
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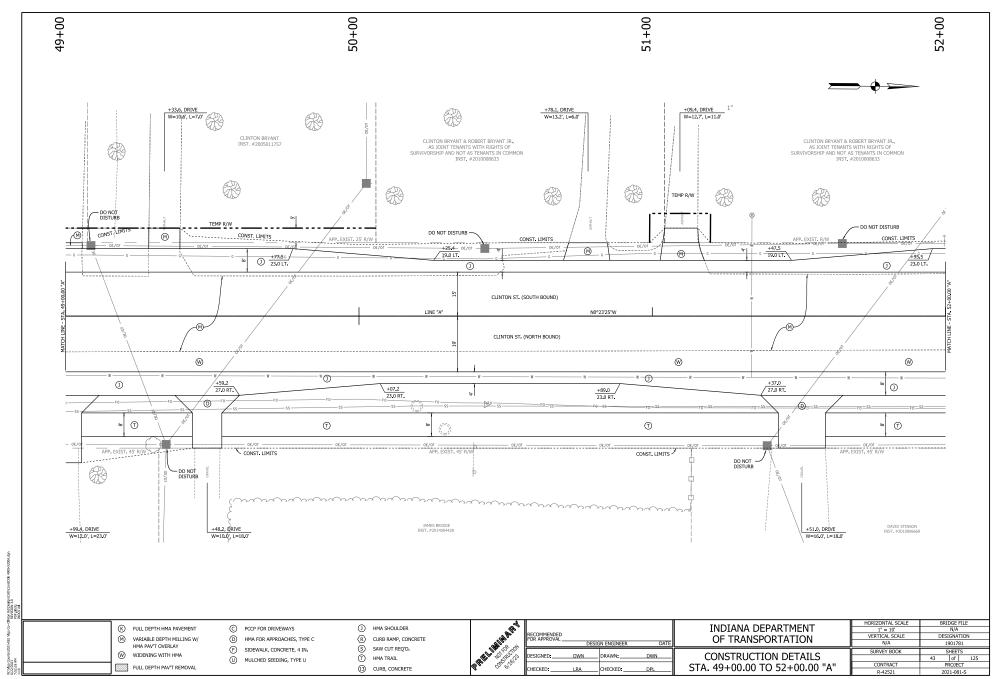
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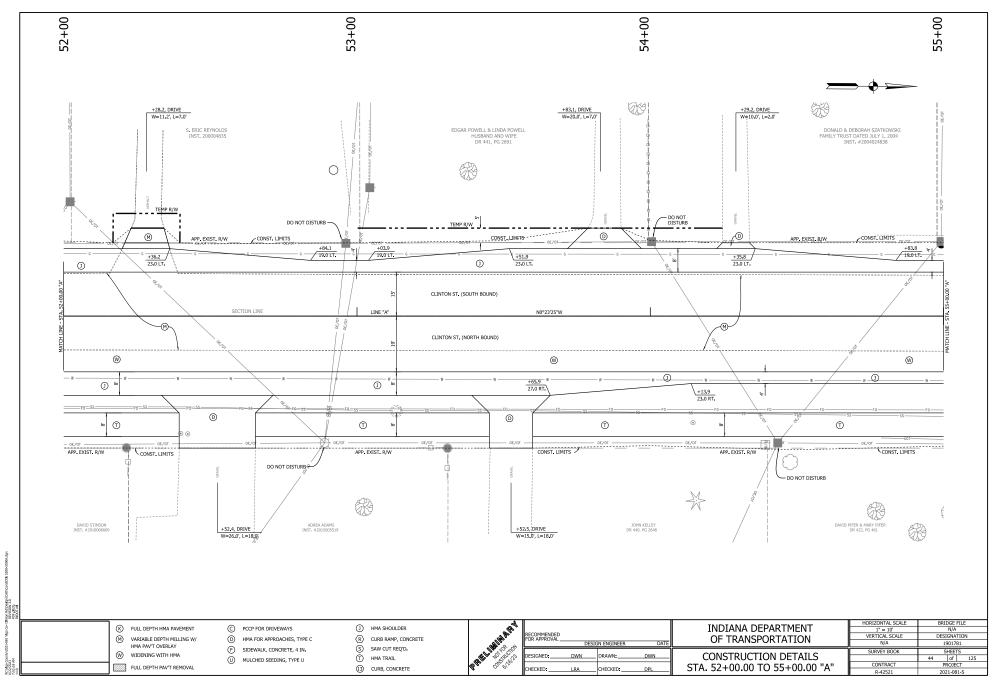
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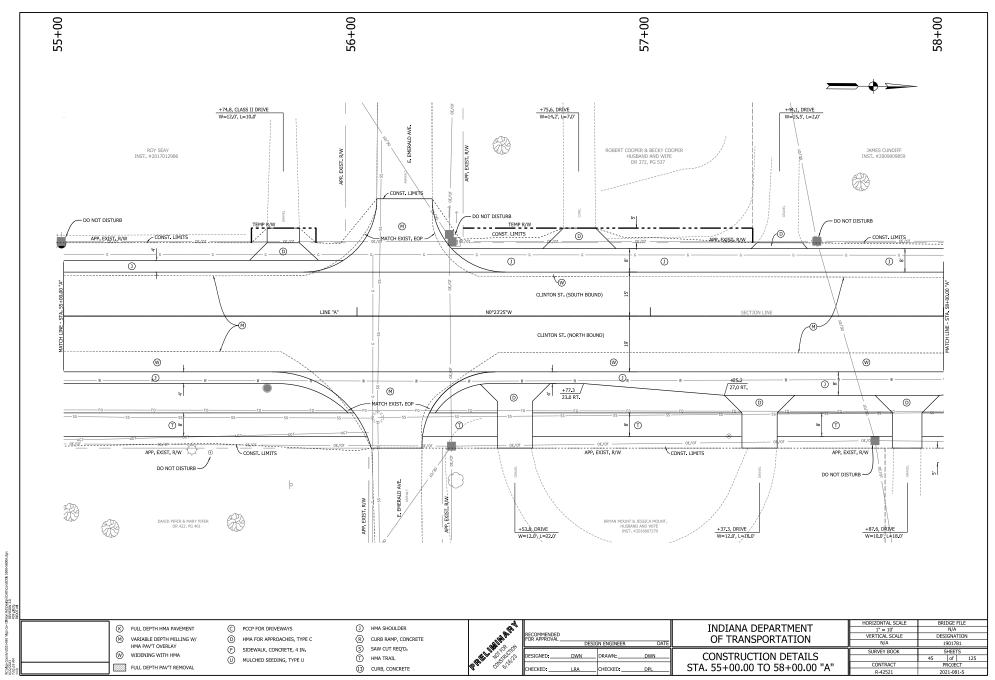
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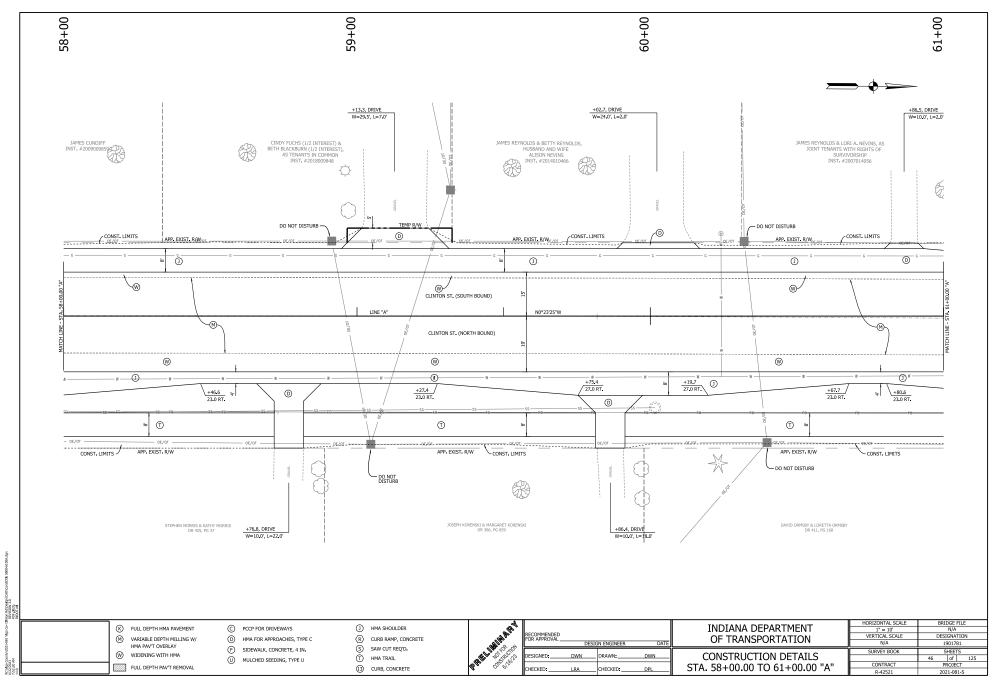
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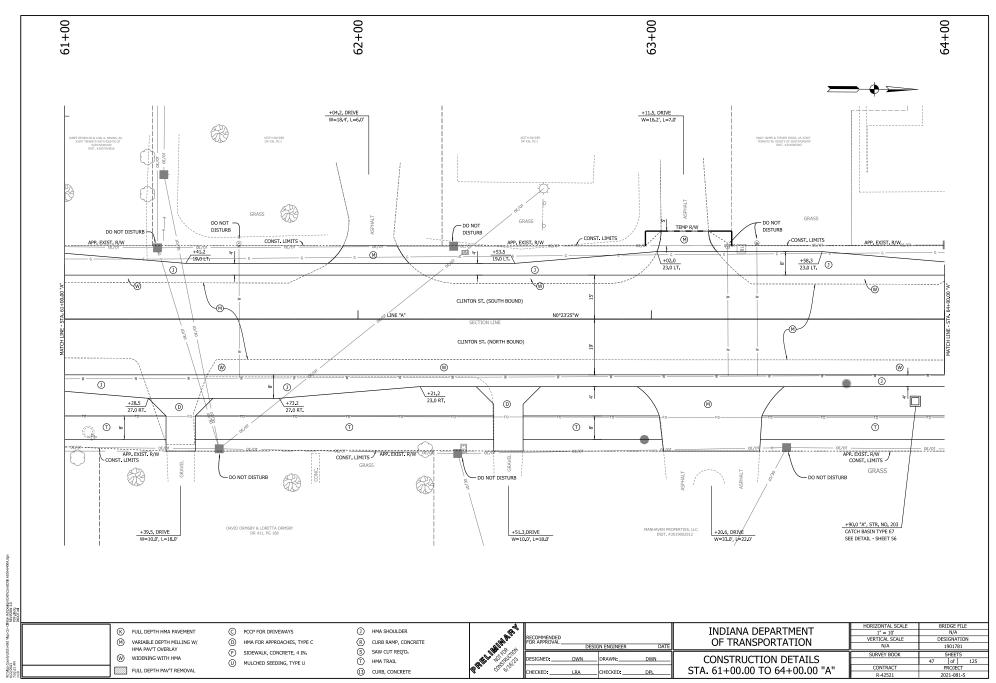
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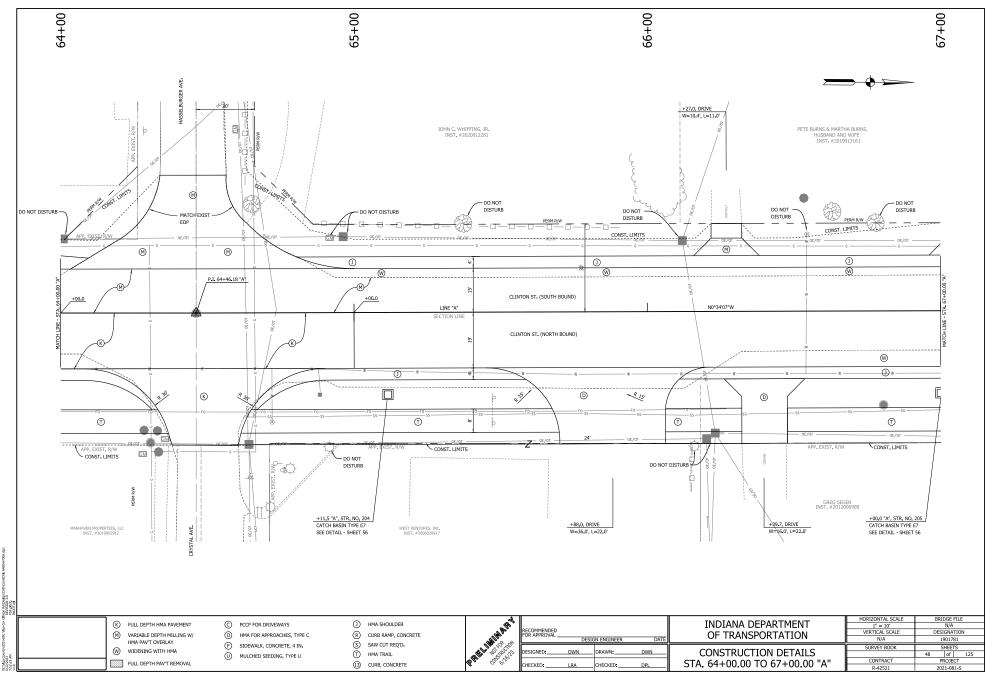
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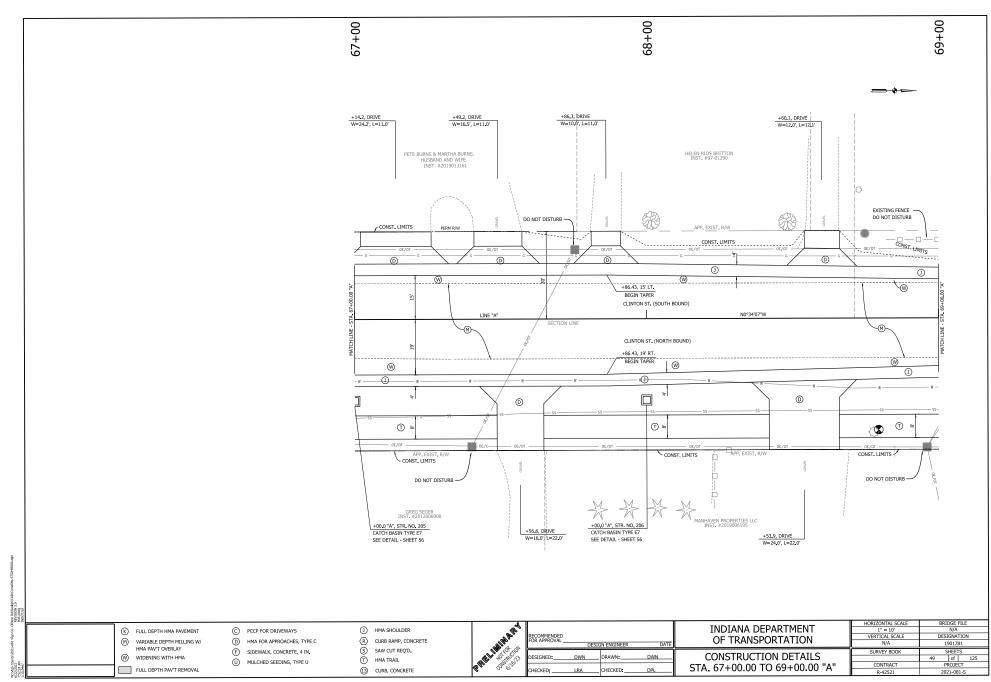
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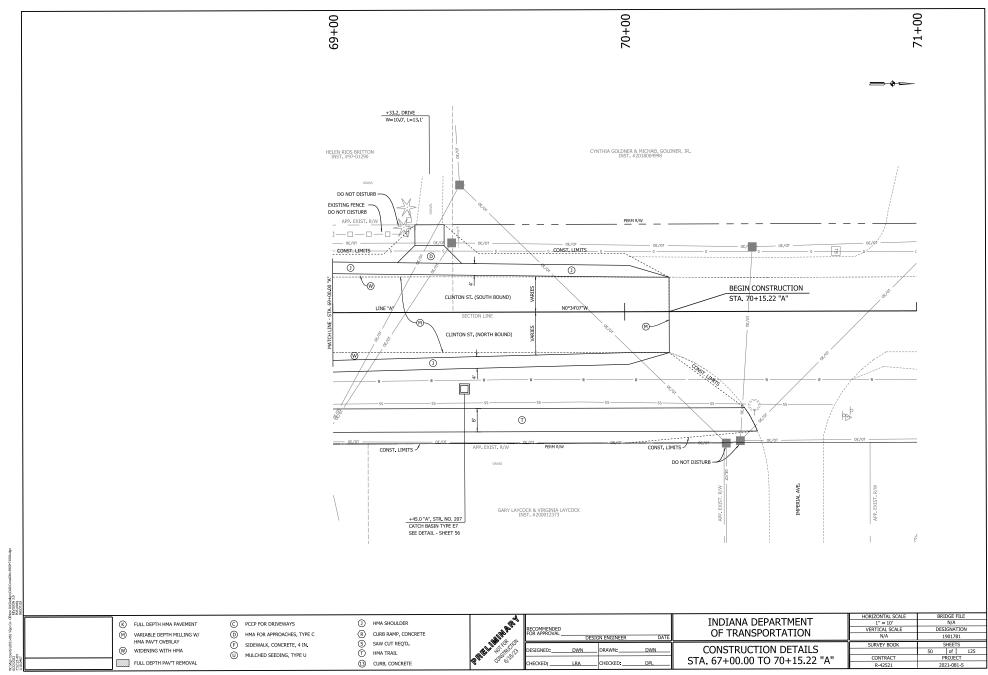
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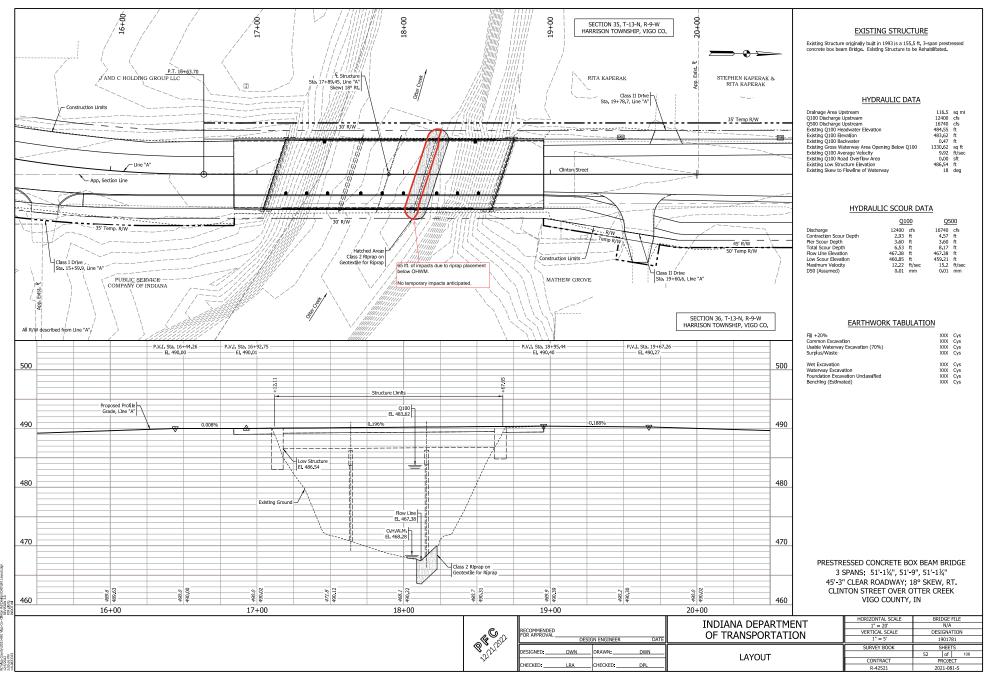
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B-44

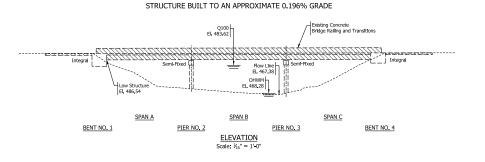


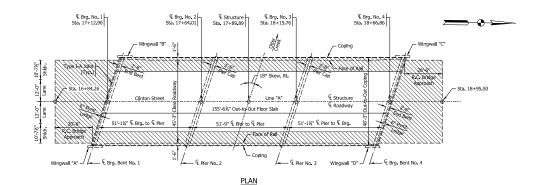
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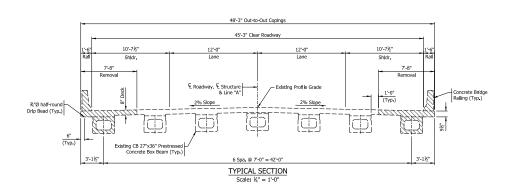


EXISTING STRUCTURE

Existing Structure originally built in 1993 is a 155.5 ft. 3-span prestressed concrete box beam Bridge. Existing Structure to be Rehabilitated. Existing Plans are not available for this structure.







Hatched Area: Limits of Removal

PRESTRESSED CONCRETE BOX BEAM BRIDGE 3 SPANS: 51'-1¼", 51'-9", 51'-1½" 45'-3" CLEAR ROADWAY; 18° SKEW, RT. CLINTON STREET OVER OTTER CREEK VIGO COUNTY, IN

, C ₀	RECOMMENDED FOR APPROVAL
1/27/20	DESIGNED:
<i>r</i>	CHECKED:

DESIGN ENGINEER

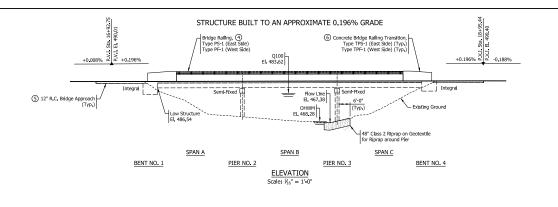
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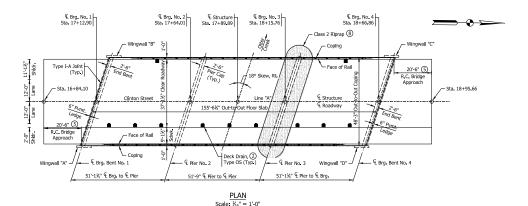
ΝTE	INDIANA DEPARTMENT OF TRANSPORTATION				
\exists	EXISTING GENERAL PLAN				

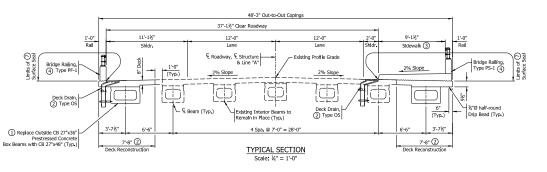
AS NOTED N/A
VERTICAL SCALE DESIGNATION
N/A 1991781

SURVEY BOOK SHEETS
CONTRACT PROJECT
R-42521 2021-081-5

8







GENERAL NOTES

Reinforcing steel cover shall be 2%" in top and 1" minimum in bottom of floor slab, and 2" in all other parts unless noted otherwise.

Chamfered edges shall be 1" unless noted otherwise.

Clean and Surface Seal all proposed concrete areas from top of Deck copings Lean and surface Seal all proposed concrete areas from to or Deck copings to front face of Bridge Ralls, and including expose are vertical portions of End Bents. Surface Seal on vertical surfaces to be in accordance with Article 79,95.5. Concrete Bridge Deck and Approach Slabs do not require Surface Seal per INDOT Design Memo 21-12 and INDOT Standard Specification 702-R-691. (Estimated Surface Seal = XXX Sft.)

All reinforcing steel to be Epoxy Coated.

Where proposed construction is to be fitted with existing structure, the Contractor shall field-check structure dimensions and conditions for accuracy. Any discrepancies shall be reported to Engineer and assume responsibility for correctness and the fit of proposed construction to existing.

DESIGN DATA

LIVE LOAD
Bridge originally designed for HS 20-44, in accordance with 1993 AASHTO Specifications.

Superstructure designed for HS-20 loading in accordance with AASHTO Standard Spedifications, 17th Edition and Interims.

DEAD LOAD Actual weight plus 35 psf for future wearing surface.

FLOOR SLAB
Designed with 7 1/2" minimal structural depth plus 1/2" sacrificial wearing surface.

CONCRETE Class A Class B Class C fc = 3,500 psi fc = 3,000 psi fc = 4,000 psi

REINFORCING STEEL Grade 60 fy - 60,000 psf

SCOPE OF WORK LEGEND

Replace Exterior Box Beams
 Replace Reinforced Concrete Deck and Install Bridge Deck Drains, OS

Construct Concrete Curb and Sidewalk

Replace Concrete Bridge Railing, Type PS-1 and PF-1 (E 706-BRPP) Replace Reinforced Concrete Bridge Approach (E 609-RCBA)

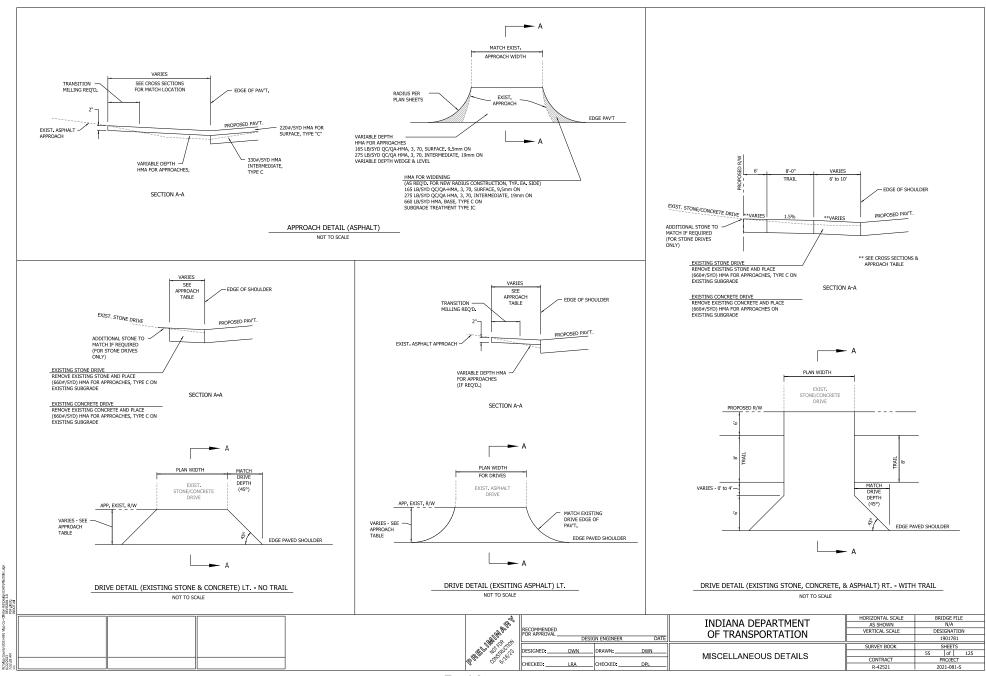
Replace Concrete Bridge Railing Transition, Type TPF-1 (E 706-TTPP) Surface Seal Bridge Railing and Sidewalk

Install Class 2 Riprap at Pier 3

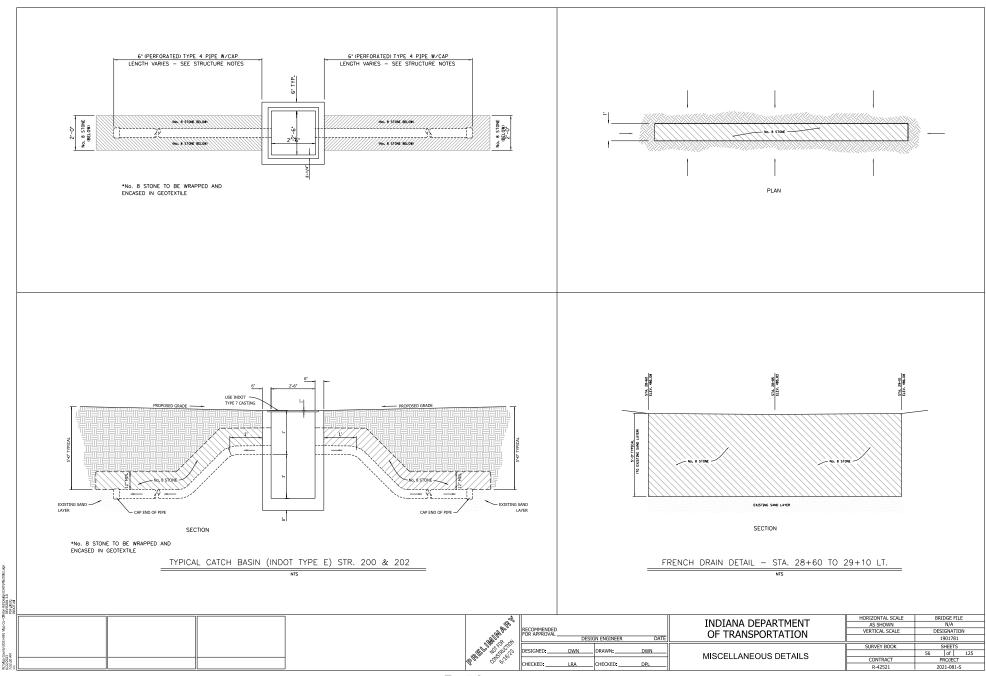
PRESTRESSED CONCRETE BOX BEAM BRIDGE 3 SPANS: 51'-1¼", 51'-9", 51'-1¼" 37'-1½" CLEAR ROADWAY, 18° SKEW, RT. CLINTON STREET OVER OTTER CREEK VIGO COUNTY, IN

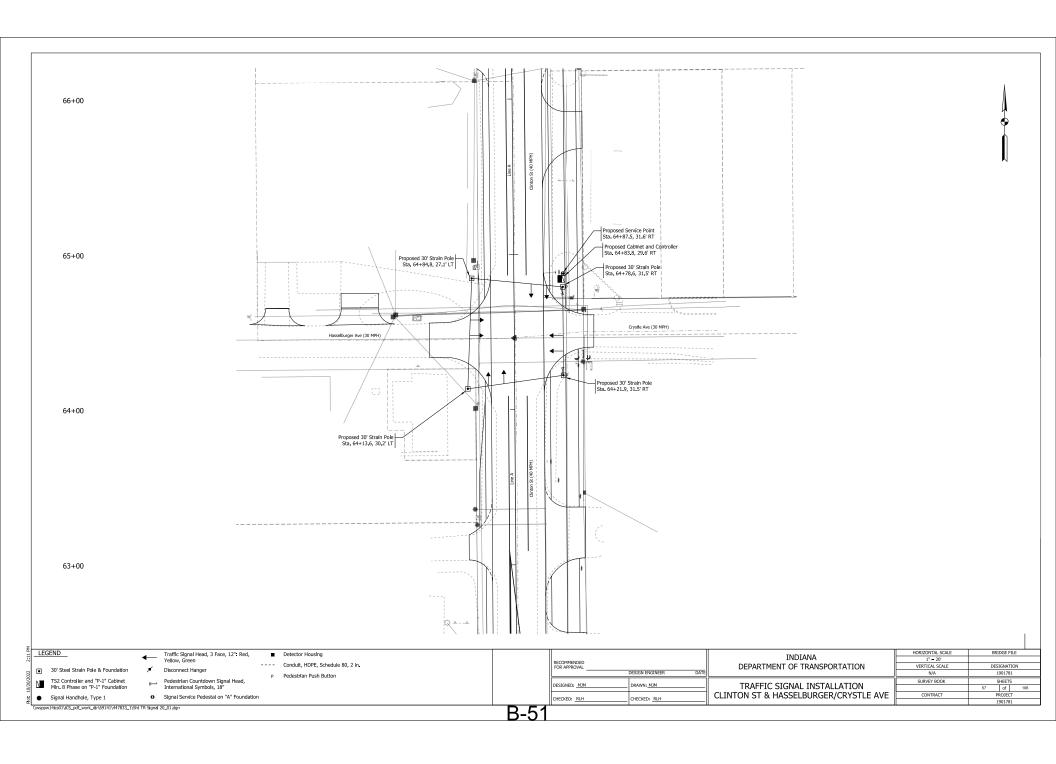
> DESIGNATION 1901781

RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE			INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL S AS NOTED VERTICAL SC N/A
	DESIGNED: DWN	DRAWN: DWN	PROPOSED GENERAL PLAN	SURVEY BOO
	CHECKED: LRA	CHECKED: DPL	PROPOSED GENERAL PLAN	CONTRACT R-42521



B-49





APPENDIX C: Early Coordination

Sample

May 1, 2023

{See Attached List}



Re: Early Coordination

Designation Number (Des. No.) 1901781

Road Revitalization and Bridge Rehabilitation, from Park Avenue (Ave.) to Imperial Ave., including Structure No. 84-00242/Vigo Co. Bridge No. 242: Clinton Street (St.) over Otter Creek,

0.10 Mile North of Park Ave., Otter Creek Township, Vigo County, Indiana

Dear Agency:

Vigo County intends to proceed with a proposed road revitalization and bridge rehabilitation project in the city of Terre Haute. This letter is part of the early coordination phase of the environmental review process. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. **Please use the above designation number and description in your reply**. We will incorporate your comments into a study of the project's environmental impacts.

The project is located along Clinton St., from Park Avenue to Imperial Avenue and includes the rehabilitation of Structure No. 84-00242 over Otter Creek; located approximately 0.10 mile north of Park Ave. in Vigo County, Indiana. Specifically, the project is located in Sections 35, 36, 25, 26, Township 12 North, Range 9 West of the Rosedale, Indiana 7.5-minute United States Geological Survey (USGS) topographic quadrangle. Clinton Street is classified as a Non-Freeway, Urban-Principal Arterial roadway that consists of two 12 foot (ft.) wide through-lanes bordered by 2 to 4 ft. wide variable paved shoulders. No sidewalks are present along Clinton Street. The legal speed limit along Clinton Street is 40 miles per hour (mph). Land use in the vicinity of the project is primarily agricultural and residential.

At this time, the preferred alternative includes construction of a continuous three-lane roadway section in place of the existing two-lane section. The three-lane section will consist of two full travel lanes with a continuous center two-way left-turn lane (TWLTL). The addition of the continuous center TWLTL will allow left turn movements to take place along the corridor without stopping the free flow of traffic in the two travel lanes, thereby significantly reducing congestion and the adverse issues associated with congestion along the corridor, namely, accidents, travel delays and air pollution. The reconstruction project will utilize the existing pavement, widening along the east side of Clinton Street, with hot mix asphalt (HMA) overlays on the existing pavement. Options of sidewalks, a multi-use trail, shoulders or curbs and drainage related issues will be evaluated for inclusion into the project. The cconstruction of a traffic signal at the intersection of Clinton Street and Hasselburger Avenue is planned. Americans with Disabilities Act (ADA) compliant curb ramps and pedestrian push buttons and heads will be installed at this intersection. Structure No. 84-00242/ Vigo Co. Bridge No. 242 over Otter Creek will be rehabilitated (i.e., remove the superstructure, repair foundations as necessary, widen piers and abutments, widen and replace the superstructure, and install riprap at the piers). Acquisition of more than 0.5 acre of permanent right-of-way will likely be required for this project. Maintenance of traffic will likely include temporary lane restrictions where required; however, traffic on Clinton St. will be maintained for the duration of the project. The project is scheduled to begin in the Fall of 2026 and is anticipated to last until Winter of 2027.

The existing structure (Structure No. 84-00242/Vigo Co. Bridge No. 242) is a prestressed concrete continuous bridge constructed in 1993. The structure length is 156 ft., with a curb-to-curb width of 45.5 ft., out-to-out deck width of 48.3 ft., and a skew of 18 degrees. In the most recent *Bridge Inspection Report*, dated July 19, 2021, the bridge deck and wearing surface were given a condition rating of 7 (Good condition) out of 9 (Excellent condition), indicating an overall good condition with minor problems. The bridge superstructure and substructure were given a condition rating of 5 (Fair condition) out of 9 (Excellent condition), indicating minor section loss. The deck has scattered hairline cracks and pop-outs throughout the concrete, multiple defects in the approach slabs, and the expansion joint is cracked in several locations. There are wide cracks on the superstructure at Pier 2 of Span A and scattered hairline cracks along pier caps, as well as

one and half feet of footing exposed at the south end of the north pier. An aluminum and concrete railing system is provided in both directions across the bridge.

One mapped stream, Otter Creek, is located within the project area. Metric Environmental will perform Waters of the US determination and coordinate with INDOT Ecology and Waterways Permitting Office (EWPO) to prepare a Waters Determination Report and submit the appropriate Clean Water Act permit applications.

This project appears to qualify for the application of the USFWS range-wide programmatic informal consultation for the Indiana bat and northern long-eared bat and project information will be submitted through USFW's Information for Planning and Consultation (IPaC) separately.

This project appears to fall under Category B of the Minor Projects Programmatic Agreement (MPPA) among the FHWA, INDOT, the Advisory Council on Historic Preservation, and the Indiana State Historic Preservation Office Regarding the Implementation of the Federal Aid Highway Program in the State of Indiana (2006, Rev. 2018). Metric will coordinate with the INDOT Cultural Resources Office for verification.

Should we not receive your response within thirty (30) calendar days from the date of this letter, it will be assumed that your agency believes that there will be no adverse effects incurred as a result of the proposed project. However, should you find that an extension to the response time is necessary; a reasonable amount may be granted upon request. If you have any questions regarding this matter, please feel free to contact Nora Hillard, NEPA Staff Scientist, at Metric Environmental, 6958 Hillsdale Court, Indianapolis, Indiana 46250, by telephone at 317.245.6128, or norah@metricenv.com, Robins, Vigo or Larry County Engineer, 3250 East Haythorne Avenue Terre Haute, Indiana 47805, or larry.robbins@vigocounty.in.gov, by telephone at 812.466-9635. Thank you in advance for your input.

Sincerely,

Nora Hillard NEPA Staff Scientist

Metric Environmental, LLC

Nora Hillard

cc: File No. 21-0068

Paul Lincks, HWC PM, <u>plincks@hwcengineering.com</u>
Larry Robbins, Vigo County Engineer, <u>larry.Robbins@VigoCounty.IN.Gov</u>
Chaila Jordan, INDOT PM, Crawfordsville District, <u>cjordan2@indot.in.gov</u>

Attachments: Recipient List, Location Map, USGS Topographic Map, 2020 Aerial Photograph

Map and Photographs have been removed and can be found in Appendix B

Federal Highway Administration Kari Carmany-George-Crawfordsville District k.carmanygeorge@dot.gov

Indiana Geological and Water Survey https://igws.indiana.edu/eAssessment

IDEM Wellhead Proximity Determinator Electronic Review of Location http://www.in.gov/idem/cleanwater/2456.htm

Environmental Coordinator Indiana Department of Natural Resources Division of Fish and Wildlife environmentalreview@dnr.in.gov

US Department of Housing & Urban Development Chicago Regional Office, Metcalf Erik.r.sandstedt@hud.gov

Indiana Department of Transportation Crawfordsville District RKurtz@indot.in.gov cjordan@indot.in.gov

Indiana Department of Transportation Office of Aviation TLewandowski@indot.IN.gov

Ms. Deborah Snyder
US Army Corps of Engineers
Louisville District
RegulatoryApplicationsLRL@usace.army.mil

State Conservationist Natural Resources Conservation Service <u>john.allen@usda.gov</u>

Eighth Coast Guard District Eric Washburn eric.washburn@uscg.mil

Terre Haute Area MPO Jeremy Weir, Director jweir@westcentralin.com



Terre Haute Fire Department Bill Berry, Fire Chief Chief@terrehaute.in.gov

Terre Haute Police Department Marc Eldred, Asst. Chief Marc.eldred@terrehaute.in.gov

Terre Haute City Mayor

Duke Bennett

Mayor@terrehaute.in.gov

Terre Haute Street Department Streets@terrehaute.in.gov

Vigo County Surveyor
Bruce Allen
Bruce.Allen@VigoCounty.In.Gov

Vigo County Highway Department Larry Robbins, County Engineer larry.robins@vigocounty.in.gov

Vigo County Commissioner
Brendan Kearns
Brendan.kearns@vigocounty.in.gov

Vigo County Environmental Health Department Amanda Bales, Supervisor/Administrator Amanda.Bales@vigocounty.in.gov

Vigo County Area Planning Department Jared Bayler
Jared.bayler@vigocunty.in.gov

Vigo County Emergency Management Agency Dorene Hojnicki – Director vcema@vidosheriff.in.gov

Vigo County School Corporation Thomas Balitewicz thomas.balitewicz@vigoschools.org

North Terre Haute Christian Church info@nthcc.com

Additional coordination occurred on November 22, 2023:

State Conservationist Natural Resources Conservation Service john.allen@usda.gov

Additional coordination occurred on March 6, 2024:

Section Chief, Groundwater Section Indiana Department of Environmental Management Aturnbow@idem.IN.gov

Additional coordination occurred on March 7, 2024:

Leisure Acres Mobile Home Park WHPA
J. Agnew
fjagnew@gmail.com

Morris Mobile Home Estates is Rodney Mottesheard WHPA Rodney Mottesheard Tim0987as@gmail.com

J & T Water Company Clint Kremer 765-592-4446

Additional coordination occurred on March 12, 2024:

Vigo County Soil and Water Conservation District Brendan Kearns Brendan.Kearns@VigoCounty.in.gov

City of Terre Haute Wastewater Utility Ed Stewart
Wastewater@terrehaute.in.gov

Vigo County Floodplain Administration Sydney Shahar Sydney.shahar@vigocounty.in.gov





Organization and Project Information

Project ID: 21-0068 1901781 Des. ID:

Project Title: Clinton Road Reconstruction

Name of Organization: Metric Environmental

Requested by: Nora Hillard

Environmental Assessment Report

1. Geological Hazards:

- High liquefaction potential
- Floodway

2. Mineral Resources:

- Bedrock Resource: High Potential
- Sand and Gravel Resource: High Potential

3. Active or abandoned mineral resources extraction sites:

None documented in the area

*All map layers from Indiana Map (maps.indiana.edu)

DISCLAIMER:

This document was compiled by Indiana University, Indiana Geological Survey, using data believed to be accurate; however, a degree of error is inherent in all data. This product is distributed "AS-IS" without warranties of any kind, either expressed or implied, including but not limited to warranties of suitability to a particular purpose or use. No attempt has been made in either the design or production of these data and document to define the limits or jurisdiction of any federal, state, or local government. The data used to assemble this document are intended for use only at the published scale of the source data or smaller (see the metadata links below) and are for reference purposes only. They are not to be construed as a legal document or survey instrument. A detailed on-the-ground survey and historical analysis of a single site may differ from these data and this document.

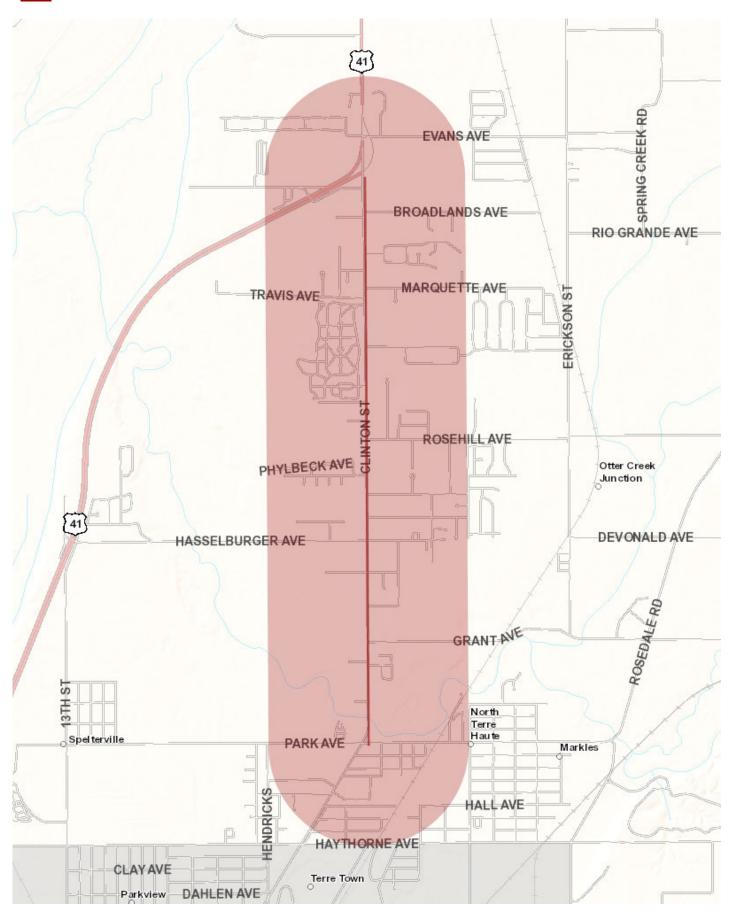
This information was furnished by Indiana Geological Survey

Address: 420 N. Walnut St., Bloomington, IN 47404

Email: IGSEnvir@indiana.edu

Phone: 812 855-7428 Date: May 1, 2023





INDOT - Aviation

From: <u>Lewandowski, Tyler</u>
To: Nora Hillard

Subject: RE: Early coordination - Des. No. 1901781 - Road Revitalization and Bridge Rehabilitation, from Park Ave. to

Imperial Ave., including Vigo Co. Bridge No. 242: Clinton St. over Otter Creek, 0.10 Mile North of Park Ave., Vigo

County, IN

Date: Wednesday, May 3, 2023 8:16:35 AM

Attachments:

Good morning,

After review, no tall structure permit is required for the project if all equipment being used is under 25 feet in height. Please let our office know if you have any further questions.

Thank you,

Tyler Lewandowski
Project Manager
INDOT Office of Aviation
(317) 495-4875
tlewandowski@indot.in.gov
www.aviation.indot.in.gov



Vigo County Health Department

From: Bales, Amanda
To: Nora Hillard

Subject: Re: Early coordination - Des. No. 1901781 - Road Revitalization and Bridge Rehabilitation, from Park Ave. to

Imperial Ave., including Vigo Co. Bridge No. 242: Clinton St. over Otter Creek, 0.10 Mile North of Park Ave., Vigo

County, IN

Date: Wednesday, May 3, 2023 9:07:51 AM

Attachments:

The Vigo County Health Department has no records on file for this location.

Early Coordination Designation Number (Des. No.) 1901781 Road Revitalization and Bridge Rehabilitation, from Park Avenue (Ave.) to Imperial Ave., including Structure No. 84-00242/Vigo Co. Bridge No. 242: Clinton Street (St.) over Otter Creek, 0.10 Mile North of Park Ave., Otter Creek Township, Vigo County, Indiana

In Health,

Amanda Bales Vigo County Health Dept. 147 Oak St. Terre Haute, IN. 47807 812-462-3281



Vigo County Surveyor's Office



Bruce Allen Jr.

Vigo County Surveyor

143 Oak Street • Terre Haute • Indiana • 47807 • Phone (812)462-3380 • Fax (812)234-1154 • Email: bruce.allen@vigocounty.in.gov

May 11, 2023

Re:

Des No: 1901781

Dear Sirs and Madam:

Our office has reviewed the information included in your letter regarding Des No 1901781. We have identified Three (3) existing survey markers located in the proposed construction area of Des. No. 1901781 Road Revitalization & Bridge Rehabilitation, from Park Ave. to Imperial Ave. on Clinton Street, Otter Creek Twp. Vigo County, Indiana. We have reason to believe that said survey markers may be disturbed or damaged due to the proposed construction.

We have included a Map of the subject area and info from our stone books for your review. Also we further require that if a Survey Marker is disturbed or destroyed that it be reset with a Harrison Survey Marker, supplied by this office. We also ask that paperwork be filed in our office showing tie-in information before the points are disturbed, and then paperwork showing coordinates at the time of resetting said monuments.

If you have any further questions or need additional information, please feel free to contact our office at: 812-462-3380.

Sincerely,

Bruce Allen Jr.

Vigo County Surveyor

THIS IS NOT A PERMIT

State of Indiana DEPARTMENT OF NATURAL RESOURCES Division of Fish and Wildlife

Early Coordination/Environmental Assessment

DNR#: ER-25589

Request Received: May 1, 2023

Requestor:

Nora Hillard Metric Environmental 6958 Hillsdale Court Indianapolis, IN 46250

Project:

Clinton Street road reconstruction and widening, from Park Avenue to Imperial Avenue, and bridge (#84-00242 / Vigo County #242) preventative maintenance over Otter Creek, 0.10 miles north of Park Avenue; Des #1901781

County/Site Info: Vigo County

The Indiana Department of Natural Resources has reviewed the above referenced project per your request. Our agency offers the following comments for your information and in accordance with the National Environmental Policy Act of 1969.

If our agency has regulatory jurisdiction over the project, the recommendations contained in this letter may become requirements of any permit issued. If we do not have permitting authority, all recommendations are voluntary.

Regulatory Assessment:

This proposal will require the formal approval of our agency for construction in a floodway pursuant to the Flood Control Act (IC 14-28-1), unless it qualifies for a bridge exemption (see enclosure). Please include a copy of this letter with the permit application if the project does not meet the bridge exemption criteria.

Natural Heritage Database:

The Natural Heritage Program's data have been checked. To date, no plant or animal species listed as state or federally threatened, endangered, or rare have been reported to occur in the project vicinity.

Fish and Wildlife Comments:

Avoid and minimize impacts to fish, wildlife, and botanical resources to the greatest extent possible, and compensate for impacts. The following are recommendations that address potential impacts identified in the proposed project area:

A) Riparian Habitat:

We recommend a mitigation plan be developed (and submitted with the permit application, if required) for any unavoidable habitat impacts that will occur. The DNR's Habitat Mitigation Guidelines (and plant lists) can be found online at: https://www.in.gov/nrc/files/IB-17.pdf.

Impacts to non-wetland forest of one (1) acre or more in a rural or urban area should be mitigated at a minimum 2:1 ratio based on area of impact. Impacts to non-wetland forest under one (1) acre but at least 0.10 acre in a rural or urban area should be mitigated at a minimum 1:1 ratio based on area of impact. Impacts under 0.10 acre in an urban area should be mitigated by replacing trees that are 10" diameter-at-breast height (dbh) or greater by planting five trees, 1" to 2" in dbh, for each tree which is removed that is 10" dbh or greater.

Seeding and stabilizing disturbed areas is required regardless of the impact amount and location. If floodway impacts to forested wetland and non-wetland habitat areas combine to be 0.10 acres or more, mitigation should be done and coordinated with the biologist, as needed.

The mitigation site should be located in the floodway, downstream of the one (1) square mile drainage area of that stream (or another stream within the 8-digit HUC, preferably as close to the impact site as possible) and adjacent to existing forested riparian habitat.

B) Wildlife Passage:

Maintaining or improving fish and wildlife passage at existing and proposed crossings is a priority for the Division of Fish and Wildlife (DFW) to reduce wildlife mortality along roadways. The DFW has outlined different requirements for different types of crossing structure impacts. For brand new crossings in areas that currently do not have a crossing, the new structure must accommodate white-tailed deer passage where appropriate. Minimum structure dimensions for white-tailed deer passage are 20 feet of width clearance (overall size of the structure span) and 8 feet of height clearance measured from the OHWM to the low chord elevation and where deer passage is provided. For crossing replacements, the new structure must include wildlife passage appropriate for the type of replacement structure being proposed. If the existing structure is sized to accommodate white-tailed deer passage then it should be included in the design of the new structure. If whitetailed deer passage is not possible with the existing structure, deer passage still needs to be considered in the design and at minimum the bank lines must be restored within structures to allow for smaller wildlife passage above the ordinary high water mark. All wildlife passage designs must include a smooth level pathway preferably 3 feet wide but a minimum of 1-2 feet in width composed of natural substrate (soil, sand, gravel, etc.) or compacted aggregate fill over riprap (#2, #53, #73, etc.) tied into existing elevations both upstream and downstream. The addition of riprap around the bridge piers is likely to impair wildlife movement under the bridge. The stream crossing repairs or modifications, and any bank stabilization under or around the structure, must not create conditions that are less favorable for wildlife passage when compared to existing conditions. Upgrading wildlife passage for rehabilitated/modified structures is encouraged whenever possible to improve wildlife/vehicle safety.

Wildlife passage benefits, cost-savings (in terms of structure cost versus deer-vehicle collision costs), and safety of life and property issues can be reviewed at http://www.virginiadot.org/vtrc/main/online_reports/pdf/06-r2.pdf.

There are a number of techniques and materials for incorporating wildlife passage into the design of a crossing structure. Coordination with a Regional Environmental Biologist to address wildlife passage issues before submitting a permit application (if required) is encouraged to avoid delays in the permitting process. The following links are good resources to consider in the design of stream crossing structures to maintain fish and wildlife passage: https://www.fs.usda.gov/ccrc/tool/fishxing-fish-passage-learning-systems,

https://www.fs.usda.gov/wildlifecrossings/library/index.php,

https://www.fhwa.dot.gov/clas/ctip/wildlife_crossing_structures/,

https://www.fhwa.dot.gov/engineering/hydraulics/pubs/11008/hif11008.pdf.

The additional measures listed below should be implemented to avoid, minimize, or compensate for impacts to fish, wildlife, and botanical resources:

- 1. Revegetate all bare and disturbed areas that are not currently mowed and maintained with a mixture of grasses, sedges, and wildflowers, as well as hardwood trees and shrubs if any woody plants are disturbed during construction, native to Southern Indiana and specifically for stream bank/floodway stabilization purposes as soon as possible upon completion; turf-type grasses (including low-endophyte, friendly endophyte, and endophyte free tall fescue but excluding all other varieties of tall fescue) may be used in currently mowed areas only. A native herbaceous seed mixture must include at least 5 species of grasses and sedges and 5 species of wildflowers.
- 2. Minimize and contain within the project limits in-channel disturbance and the clearing of trees and brush.
- 3. Do not work in the waterway from April 1 through June 30 without the prior written approval of the Division of Fish and Wildlife.

- 4. Do not cut any trees suitable for Indiana Bat or Northern Long-eared Bat roosting (greater than 3 inches dbh, living or dead, with loose hanging bark, or with cracks, crevices, or cavities) from April 1 through September 30.
- 5. Do not excavate in the low flow area except for the placement of piers, foundations, and riprap, or removal of the old structure.
- 6. Do not construct any temporary runarounds, access bridges, causeways, cofferdams, diversions, or pumparounds.
- 7. Use minimum average 6 inch graded riprap stone extended below the normal water level to provide habitat for aquatic organisms in the voids.
- 8. Do not deposit or allow construction/demolition materials or debris to fall or otherwise enter the waterway. Any incidental fallen material or debris in the waterway must be removed within 24 hours using best management practices, particularly lifting material out of the waterway and not dragging it across the streambed whenever possible.
- 9. Appropriately designed measures for controlling erosion and sediment must be implemented to prevent sediment from entering the waterbody or leaving the construction site; maintain these measures until construction is complete and all disturbed areas are stabilized.
- 10. Seed and protect all disturbed streambanks and slopes not protected by other methods that are 3:1 or steeper with erosion control blankets that are heavy-duty, biodegradable, and net free or that use loose-woven / Leno-woven netting to minimize the entrapment and snaring of small-bodied wildlife such as snakes and turtles (follow manufacturer's recommendations for selection and installation); seed and apply mulch on all other disturbed areas.

Contact Staff:

Our agency appreciates this opportunity to be of service. Please contact me at mbuffington@dnr.in.gov or (317) 233-4666 if we can be of further assistance.

Date: May 31, 2023

<u>Matt Buffington</u> Matt Buffington

Environmental Unit Supervisor Division of Fish and Wildlife

USFWS Bat Check

From: Neild, Benjamin
To: Jason Damm

Cc: Susan Castle; Colin Keith; Nora Hillard; Kurtz, Randy

Subject: RE: Request USFWS confidential database check, Des. No. 1901781, N Clinton St from Park Ave to Hasselburger

Ave, Vigo County, Indiana

Date: Thursday, October 6, 2022 10:16:10 AM

Attachments:

Good morning,

A review of the USFWS GIS database for Indiana bat and Northern long-eared bat roosting, hibernacula and capture sites was conducted for Des No. 1901781 on 10/6/2022. There are no documented sites within a half mile the project area. The USFWS Information for Planning and Conservation (IPaC) website must be consulted and a new project created to obtain an official species list and complete the questionnaire for the project to determine the applicability of the programmatic consultation. If needed, the IPaC generated documents must be forwarded to the USFWS for verification.

Benjamin Neild

Environmental Manager 2, Capital Program Management Division

41 West 300 North Crawfordsville, IN 47933 **Phone:** (765) 361-5259 **Email:** bneild@indot.in.gov

Bridge/Structure Bat Assessment Form

Da of <i>i</i>	te & Time Assessment 22 January 2025	<u>DC</u> Νι	<u>OT Project</u> 1901781	Ro Ca	Route/Facility Carried Clinton Street		Co	<u>County</u> Vigo			
		ructure Coordinates 39.5297 titude and longitude) -87.3698	Structure Height (approximate) 45.5 feet					Structure Length 156.0 feet			
St	Structure Type (check one)				Structure Material (check all that apply)						
Bri	Bridge Construction Style			Deck Material Beam Material					End/Back Wall Material		
0	Cast-in-place	0	Pre-stressed Girder	Metal None X Concrete X Concrete			X	X Concrete			
-		Ĕ		쓴	Timber	P	Concrete Steel	┢	Timber Stone/Masonry		
О	Flat Slab/Box	Ю	Steel I-beam	┢	Open grid		Timber	Н	Other:		
0	Truss Side View	0	Covered	E	Other:	E	Other:	Cı	eosote Evide	ence	
0	Parallel Box Beam	Other:		Culvert Material			O Yes O No O Unknown				
Си	ılvert Type	Other Structure			Metal			Notes:			
	Вох		T	┢	Concrete Plastic		-				
ŏ	Pipe/Round			r	Stone/Masonry			1			
ŏ	Other:	\sim			Other:				1		
	rossings Traversed (check all th	at	apply)	Sı	urrounding	На	bitat (check	all	that apply)		
	Bare ground		Open vegetation		Agricultural		(П	Grassland		
X	Rip-rap		Closed vegetation	X	Commercial				Ranching		
X	Flowing water		Railroad	X	Residential-urba	n			Riparian/wetlan	b	
Н	Standing water		Road/trail - Type:	Ļ	Residential-rural			┡	Mixed use		
Щ	Seasonal water	L	Other:	X	Woodland/forest	ed			Other:		
	eas Assessed (check all that ap										
			sent in the structure, check the "not pres								
		-	e assessment. Include the species prese	1			·				
	rea (check if assessed)	A:	ssessment Notes	Εν	<u>vidence of E</u>	3at	s (include pl	hot	os if presen	t)	
	All crevices and cracks:		Not present	F					Audible	Species	
	Bridges/culverts: rough surfaces or				Visual - live #		dead #	<u> </u>	Odor	4	
\times	imperfections in concrete			ူ	Guano Staining			-	Photos	-	
	Other structures: soffits, rafters, attic				Otaliling			J			
\vdash	areas	-	Not present					1	Audible	Species	
	Concrete surfaces (open roosting on	H	Not present	┖	Visual - live #		dead #		Odor	Ореслез	
M	concrete)				Guano				Photos	1	
	,				Staining				_		
			Not present	┡					Audible	Species	
X	Spaces between concrete end walls				Visual - live #		dead #	┡	Odor	4	
	and the bridge deck			⊢	Guano Staining			┡	Photos	-	
	Crack between concrete railings on top		Not present		Otaliling			┢	Audible	Species	
	of the bridge deck Gap	Г	1101 0.000111	╙	Visual - live #		dead #		Odor		
읻	Railing A				Guano			┖	Photos	1	
	Raillig			匚	Staining						
			Not present	┡					Audible	Species	
X	Vertical surfaces on concrete I-beams				Visual - live #		dead #	╄	Odor	-	
				⊢	Guano Staining				Photos	-	
			Not present		Ottaining			╁	Audible	Species	
X	Spaces between walls, ceiling joists	Г	· ·	<u> </u>	Visual - live #		dead #		Odor		
尸	Spaces between walls, ceiling joists				Guano				Photos		
		Ļ		Ш	Staining			_			
	Maca balas, acumpar drains, and	_	Not present	┢	Vienel line #			<u> </u>	Audible	Species	
X	Weep holes, scupper drains, and inlets/pipes			F	Visual - live # Guano		dead #	₽	Odor	-	
	illiets/pipes			⊢	Staining			╫	Photos	1	
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尸	mi guideralis				Guano				Photos]	
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Na	Name: Jason Damm			Si	ignature:	es	on Dan	in	r		





Species Identification Report



Jason Damm

Metric Environmental, LLC Des#: 1901781, Report A

Email jasond@metricenv.com

Invoice number 20221025_1 Project ID JDamm

Sequencing date December 2022
Report date December 2022
Technician Emma Froehlich
Bioinformatician Daniel Sanchez

Sample processing:

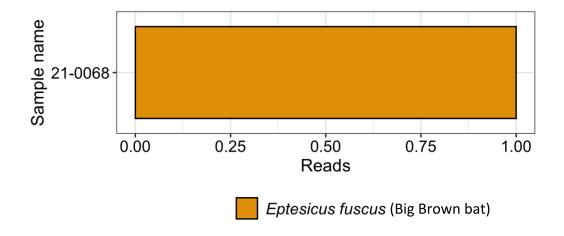
We received one 15 mL vial of bat guano. The goal was to identify one or more bat species in a mixture for each sample. We noted no issues with sample preservation and quality upon receipt of the vial. We decontaminated the vial with 10% bleach prior to handling and processing.

We successfully extracted genomic DNA and amplified a short-section of cytochrome oxidase subunit I (COI) from the sample using our standard methodology (Walker et al. 2016; Walker et al. 2019). Amplified product was sequenced on an Illumina MiSeg V2 micro 300 cycle kit to obtain DNA sequences (reads) of one or more taxa per sample. Sequencing reads were computationally processed to obtain read variants of the highest taxonomic quality in QIIME2 v2022.2 (Bolyen et al. 2018). Priming regions were removed using cutadapt v4.0 (Martin 2011) to isolate the 202 base pair fragment of interest. We removed low quality reads, and filtered out PCR artifacts (chimeric reads) using DADA2 (Callahan et al. 2016). Sequences were then classified using a naïve-Bayes machine learning classifier (Bokulich et al. 2018) that we trained against our custom reference database. We retained species classifications only if they were classified with at least 90% bootstrap support. Any read variants not classified using the machine learning algorithm to species were cross-referenced against the National Center for Biotechnology Information's (NCBI) GenBank database (Benson et al. 2009) using BLAST (Altschul et al. 1990) with taxa classified using Least Common Ancestor (LCA) analysis in MEGAN v6 (Huson et al. 2007). This cross-referencing step helps to alleviate any false negative bat classifications in the naïve-Baye's model or identify non-bat taxa.

Results:

Our positive control, containing a known mixture of nine bat species (of three families) amplified and sequenced all nine. None of the negative controls prepared with your samples amplified. Your sample sequenced successfully and contains the DNA of *Eptesicus fuscus* (big brown bat).

Accompanying files:



Along with a PDF of the detection barplots, we included an Excel (xlsx) spreadsheet that includes all figures, all taxonomic data, and sequencing pass and read summaries.

JDamm_20221025_1_Des_1901781_Report_A_BEGLresults.xlsx Batdetection_plot.pdf

References:

Altschul SF, Gish W, Miller W, Myers EW, Lipman DJ. 1990. Basic Local Alignment Search Tool. J Mol Biol.:8.

Benson DA, Karsch-Mizrachi I, Lipman DJ, Ostell J, Sayers EW. 2009. GenBank. Nucleic Acids Res. 37(suppl 1):D26–D31. doi:10.1093/nar/gkn723.

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Bolyen E, Rideout JR, Dillon MR, Bokulich NA, Abnet C, Al-Ghalith GA, Alexander H, Alm EJ, Arumugam M, Asnicar F, et al. 2018. QIIME 2: Reproducible, interactive, scalable, and extensible microbiome data science. PeerJ Inc. Report No.: e27295v2. [accessed 2019 Jul 3]. https://peerj.com/preprints/27295.

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Bat Ecology & Genetics Lab, School of Forestry, NAU, P.O. Box 15018, Flagstaff, AZ 86011 nau.edu/sff

https://linktr.ee/speciesfromfeces
Questions? Faith.Walker@nau.edu; Carol.Chambers@nau.edu

Huson DH, Auch AF, Qi J, Schuster SC. 2007. MEGAN analysis of metagenomic data. Genome Res. 17(3):377–386. doi:10.1101/gr.5969107.

Martin M. 2011. Cutadapt removes adapter sequences from high-throughput sequencing reads. EMBnet.journal. 17(1):10–12. doi:10.14806/ej.17.1.200.

Walker FM, Tobin A, Simmons NB, Sobek CJ, Sanchez DE, Chambers CL, Fofanov VY. 2019. A fecal sequel: Testing the limits of a genetic assay for bat species identification. PLOS ONE. 14(11):e0224969. doi:10.1371/journal.pone.0224969.

Walker FM, Williamson CHD, Sanchez DE, Sobek CJ, Chambers CL. 2016. Species From Feces: Order-Wide Identification of Chiroptera From Guano and Other Non-Invasive Genetic Samples. Russo D, editor. PLOS ONE. 11(9):e0162342. doi:10.1371/journal.pone.0162342.

Species Identification Report



Jason Damm Metric Environmental, LLC

Invoice number 20250220_2

Project ID JDamm

Email address jasond@metricenv.com

Sequencing date April 2025 Report date April 2025

Technician Savannah Marriott Bioinformatician Daniel Sanchez

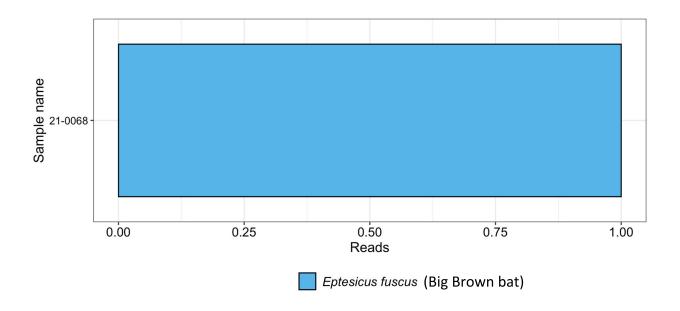
Sequencing kit Illumina: MiniSeq Mid Output (300 cycle)

QIIME version QIIME2 v2024.10 (amplicon)

Results:

We processed 1 fecal sample with the goal of detecting one or more bat species. We successfully amplified the target region where we **detected** *Eptesicus fuscus*. More information can be found in the figure below and the associated results spreadsheet. See the key considerations section below for additional insight into interpreting these metabarcoding data.

None of the DNA extraction blanks nor PCR negative template controls prepared with your samples yielded taxonomic information. Our positive control consisting of eastern hemisphere bat species yielded 5/5 expected sequences and no unexpected sequences. If you suspect that a detection is surprising or could have significant management or conservation implications, we recommend re-amplification and re-sequencing to gather multiple lines of evidence. If this is the case, please feel free to contact us for further recommendations.



Accompanying files:

Along with a PDF of the detection barplots, we included an Excel (xlsx) spreadsheet that includes all figures, all taxonomic data, and sequencing pass and read summaries.

JDamm_20250220_2_JDamm_BEGLresults.xlsx JDamm_detection_plot.pdf

Key considerations:

The taxonomic nomenclature used for classification is directly sourced from either the Barcode of Life Database or NCBI GenBank. It's important to note that nomenclature may differ among databases and could possibly contain outdated species names. Therefore, we advise considering updated or synonymous taxonomic nomenclature during your analysis of the samples. Additionally, it's common for us to recover DNA mini-barcodes from other non-bat species, and these can be found in the attached results spreadsheet (see accompanying filenames below). However, since our analysis focuses on bats, we recommend approaching non-bat classifications with caution. We cannot guarantee the accuracy of non-bat classifications, so we suggest cross-referencing them against relevant wildlife inventories. We are happy to take a second look at any non-bat taxa you may find interesting, however.

Please note that the barplots included in your results package only depict samples where bats were detected, unless only taxa other than bats were detected among all samples. Samples that failed or only amplified non-bat taxa are not shown in these plots but can be found in the associated results spreadsheet. In cases where certain bat taxa in a sample have low signal (i.e., few reads) compared to taxa with much higher read numbers, we apply a log transformation to enhance the visibility of these detections. It is important to disclose that the number of sequencing reads for a species may not reflect the relative abundance of a species at a sampling location.

Furthermore, it's important to acknowledge that we may not always have precise geographic information for bat species and largely rely on species range maps, state/provincial records, or the available literature for inspecting the taxa detected in your samples. If we detect a bat species outside of its known range, we always double-check the sequences against other databases. If the range boundaries are in close proximity to where the sample was collected, we consider it a plausible detection. However, if you suspect that a detection is erroneous (e.g., contamination) or could have significant management or conservation implications, we recommend re-amplification and re-sequencing to gather multiple lines of evidence. If this is the case, please feel free to contact us for further recommendations.

Methodology:

We extracted genomic DNA and amplified a short-section of cytochrome oxidase subunit I (COI) from the samples using our standard methodology (Walker et al. 2016; Walker et al. 2022). Amplified product was sequenced to obtain DNA sequences (reads) of one or more taxa per sample. Sequencing reads were computationally processed using QIIME2 (Bolyen et al. 2019). Priming regions were removed using cutadapt (Martin 2011) to isolate the 202 base pair fragment of interest. We removed low quality reads, and filtered out PCR artifacts (chimeric

reads) using DADA2 (Callahan et al. 2016). To avoid low abundance variants with sequencing errors, the unique sequences were post-clustered using LULU curation (Frøslev et al. 2017). Sequences were then classified using a naïve-Bayes machine learning classifier (Bokulich et al. 2018) that we trained against our custom reference database. References were derived from all available chiropteran COI references in the Barcode of Life Database (Ratnasingham and Hebert 2007). We retained species classifications only if they were classified with at least 90% bootstrap support. Any variants not classified using the machine learning algorithm to species were cross-referenced against the National Center for Biotechnology Information's (NCBI) GenBank database (Benson et al. 2009) using BLAST (Altschul et al. 1990). Taxa were classified using Least Common Ancestor (LCA) analysis in MEGAN v6 (Huson et al. 2007). This cross-referencing step helps to alleviate any false negative bat classifications in the naïve-Baye's model or identify non-bat taxa that may have co-amplified.

References:

Altschul SF, Gish W, Miller W, Myers EW, Lipman DJ. 1990. Basic local alignment search tool. J Mol Biol. 215(3):403–410.

Benson DA, Karsch-Mizrachi I, Lipman DJ, Ostell J, Sayers EW. 2009. GenBank. Nucleic Acids Res. 37(suppl 1):D26–D31. doi:10.1093/nar/gkn723.

Bokulich NA, Kaehler BD, Rideout JR, Dillon M, Bolyen E, Knight R, Huttley GA, Gregory Caporaso J. 2018. Optimizing taxonomic classification of marker-gene amplicon sequences with QIIME 2's q2-feature-classifier plugin. Microbiome. 6(1):1–17. doi:10.1186/s40168-018-0470-z.

Bolyen E, Rideout JR, Dillon MR, Bokulich NA, Abnet C, Al-Ghalith GA, Alexander H, Alm EJ, Arumugam M, Asnicar F, et al. 2019. Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. Nat Biotechnol. 37(8):852–857.

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Frøslev TG, Kjøller R, Bruun HH, Ejrnæs R, Brunbjerg AK, Pietroni C, Hansen AJ. 2017. Algorithm for post-clustering curation of DNA amplicon data yields reliable biodiversity estimates. Nat Commun. 8(1):1188. doi:10.1038/s41467-017-01312-x.

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Ratnasingham S, Hebert PDN. 2007. BOLD: The Barcode of Life Data System (http://www.barcodinglife.org). Mol Ecol Notes. 7(3):355–364. doi:10.1111/j.1471-8286.2007.01678.x.

Walker FM, Sanchez DE, Froehlich EM, Federman EL, Lyman JA, Owens M, Lear K. 2022. Endangered Nectar-Feeding Bat Detected by Environmental DNA on Flowers. Animals. 12(22):3075. doi:10.3390/ani12223075.

Walker FM, Williamson CHD, Sanchez DE, Sobek CJ, Chambers CL. 2016. Species From Feces: Order-Wide Identification of Chiroptera From Guano and Other Non-Invasive Genetic Samples. Russo D, editor. PLOS ONE. 11(9):e0162342. doi:10.1371/journal.pone.0162342.



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Indiana Ecological Services Field Office 620 South Walker Street Bloomington, IN 47403-2121 Phone: (812) 334-4261 Fax: (812) 334-4273

In Reply Refer To: 03/09/2025 23:36:05 UTC

Project Code: 2023-0044047

Project Name: Des. 1901781, Road Improvement and Bridge Rehabilitation Project, Clinton

Street, Vigo County, IN

Subject: List of threatened and endangered species that may occur in your proposed project

location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

Please use the species list provided and visit the U.S. Fish and Wildlife Service's Region 3 Section 7 Technical Assistance website at - http://www.fws.gov/midwest/endangered/section7/

s7process/index.html. This website contains step-by-step instructions which will help you determine if your project will have an adverse effect on listed species and will help lead you through the Section 7 process. For all wind energy projects and projects that include installing towers that use guy wires or are over 200 feet in height, please contact this field office directly for assistance, even if no federally listed plants, animals or critical habitat are present within your proposed project or may be affected by your proposed project.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see https://www.fws.gov/program/migratory-bird-permit/what-we-do.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see https://www.fws.gov/library/collections/threats-birds.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both

migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/partner/council-conservation-migratory-birds.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Indiana Ecological Services Field Office 620 South Walker Street Bloomington, IN 47403-2121 (812) 334-4261

PROJECT SUMMARY

Project Code: 2023-0044047

Project Name: Des. 1901781, Road Improvement and Bridge Rehabilitation Project,

Clinton Street, Vigo County, IN

Project Type: Road/Hwy - Maintenance/Modification

Project Description: Indiana Department of Transportation (INDOT) and Vigo County, with

funding from Federal Highway Administration (FHWA), intends to proceed with a road improvement and bridge rehabilitation project along Clinton Street from Park Avenue to Imperial Avenue (Des. No. 1901781), Vigo County, Indiana. The bridge is at Clinton Street over Otter Creek,

located 0.10 mile north of Park Avenue.

The project is located along Clinton Street, from Park Avenue to Imperial Avenue, and includes roadway improvements and the rehabilitation of an existing bridge (#84-00242) which carries Clinton Street over Otter Creek. The existing roadway structure which carries Clinton Street over Otter Creek is a 156.0-foot-long prestressed concrete continuous bridge constructed in 1993. The bridge deck has scattered hairline cracks and pop-outs throughout the concrete, multiple defects in the approach slabs, and the expansion joint is cracked in several locations. There are wide cracks on the superstructure at Pier 2 of Span A and scattered hairline cracks along pier caps, as well as one and half feet of footing exposed at the south end of the north pier. An aluminum and concrete railing system is provided in both directions across the bridge. Proposed project details are summarized in the project documents.

Based on consultation with INDOT Crawfordsville District, October 6, 2022, a review of the U.S. Fish and Wildlife Service (USFWS) database did not indicate the presence of endangered bat species in or within 0.5 mile of the project area. According to the Bridge Inspection Report, dated July 19, 2021, no evidence of bats was reported below the structure. A Metric Environmental biologist holding a Section 10 Recovery Permit for bats (Jason Damm; Permit Number TE-81936D-0) completed an inspection of the bridge on October 11, 2022. During the visit, no bats were seen using the structure; however, guano was present below near the central back wall of the south side of the structure. One pooled guano sample was collected and sent to Northern Arizona University (NAU) for analysis. Results of this sample indicated use of the structure by big brown bats (Eptesicus fuscus). Based on DNA analysis of all samples, no Indiana or northern long-eared bat presence was indicated. The DNA sequencing results from NAU are in the documents folder.

There is suitable summer habitat located within the project area. It is anticipated that approximately 0.012 acre of trees (3 trees) will be

removed from the project area during project construction. An aerial image highlighting tree impacts is attached with the project documents. The three trees that will be removed are a boxelder (Acer negundo), sugar maple (Acer saccharum), and tulip poplar (Liriodendron tulipifera). All three trees will be removed within 100 feet from the edge of the roadway during the inactive season 2026. No mitigation is anticipated.

The project is planned to begin in fall 2026 and be completed by winter 2027.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@39.53601835,-87.36984506475022,14z



Counties: Vigo County, Indiana

ENDANGERED SPECIES ACT SPECIES

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an
office of the National Oceanic and Atmospheric Administration within the Department of
Commerce.

MAMMALS

NAME

Gray Bat *Myotis grisescens*

Endangered

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6329

Indiana Bat Myotis sodalis

Endangered

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

Species profile: https://ecos.fws.gov/ecp/species/5949

BIRDS

NAME

Whooping Crane *Grus americana*Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY)

No critical habitat has been designated for this species.

STATUS

Experimental

Population,
NonEssential

INSECTS

NAME STATUS

Monarch Butterfly *Danaus plexippus*

Proposed

There is **proposed** critical habitat for this species. Your location does not overlap the critical

Threatened

habitat.

Species profile: https://ecos.fws.gov/ecp/species/9743

Species profile: https://ecos.fws.gov/ecp/species/758

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

BALD & GOLDEN EAGLES

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

- 1. The Bald and Golden Eagle Protection Act of 1940.
- 2. The Migratory Birds Treaty Act of 1918.
- 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

There are Bald Eagles and/or Golden Eagles in your project area.

Measures for Proactively Minimizing Eagle Impacts

For information on how to best avoid and minimize disturbance to nesting bald eagles, please review the <u>National Bald Eagle Management Guidelines</u>. You may employ the timing and activity-specific distance recommendations in this document when designing your project/ activity to avoid and minimize eagle impacts. For bald eagle information specific to Alaska, please refer to <u>Bald Eagle Nesting and Sensitivity to Human Activity</u>.

The FWS does not currently have guidelines for avoiding and minimizing disturbance to nesting Golden Eagles. For site-specific recommendations regarding nesting Golden Eagles, please consult with the appropriate Regional Migratory Bird Office or Ecological Services Field Office.

If disturbance or take of eagles cannot be avoided, an <u>incidental take permit</u> may be available to authorize any take that results from, but is not the purpose of, an otherwise lawful activity. For assistance making this determination for Bald Eagles, visit the <u>Do I Need A Permit Tool</u>. For assistance making this determination for golden eagles, please consult with the appropriate Regional <u>Migratory Bird Office</u> or <u>Ecological Services Field Office</u>.

Ensure Your Eagle List is Accurate and Complete

If your project area is in a poorly surveyed area in IPaC, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the <u>Supplemental Information on Migratory Birds and Eagles</u>, to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to bald or golden eagles on your list, see the "Probability of Presence Summary" below to see when these bald or golden eagles are most likely to be present and breeding in your project area.

DDEEDING

NAME	SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Jul 31
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds elsewhere

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project

activities to avoid or minimize impacts to birds. Please make sure you read <u>"Supplemental Information on Migratory Birds and Eagles"</u>, specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (

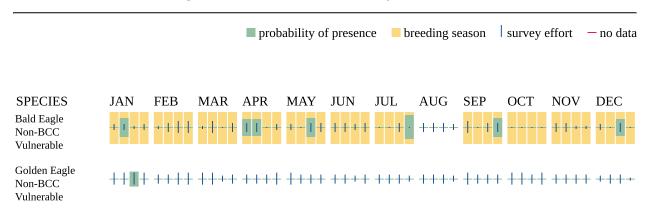
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (-)

A week is marked as having no data if there were no survey events for that week.



Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide avoidance and minimization measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

MIGRATORY BIRDS

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The Service interprets the MBTA to prohibit incidental take.

- 1. The Migratory Birds Treaty Act of 1918.
- 2. The Bald and Golden Eagle Protection Act of 1940.
- 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Jul 31
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9406	Breeds Mar 15 to Aug 25
Eastern Whip-poor-will <i>Antrostomus vociferus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10678	Breeds May 1 to Aug 20
Field Sparrow <i>Spizella pusilla</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9446	Breeds Mar 1 to Aug 15
Golden Eagle Aquila chrysaetos This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds elsewhere

NAME	BREEDING SEASON
Kentucky Warbler <i>Geothlypis formosa</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9443	Breeds Apr 20 to Aug 20
Lesser Yellowlegs <i>Tringa flavipes</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Prairie Warbler <i>Setophaga discolor</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9513	Breeds May 1 to Jul 31
Prothonotary Warbler <i>Protonotaria citrea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9439	Breeds Apr 1 to Jul 31
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9398	Breeds May 10 to Sep 10
Rusty Blackbird <i>Euphagus carolinus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9478	Breeds elsewhere
Semipalmated Sandpiper <i>Calidris pusilla</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9603	Breeds elsewhere
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9431	Breeds May 10 to Aug 31

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■**)**

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (

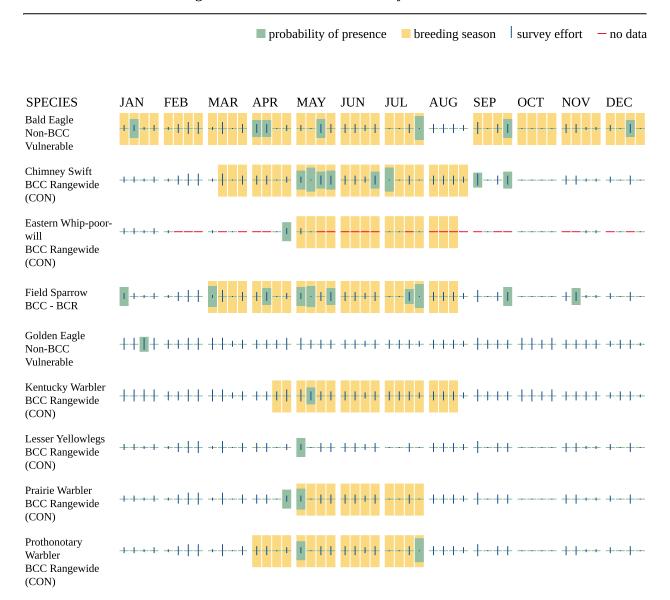
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

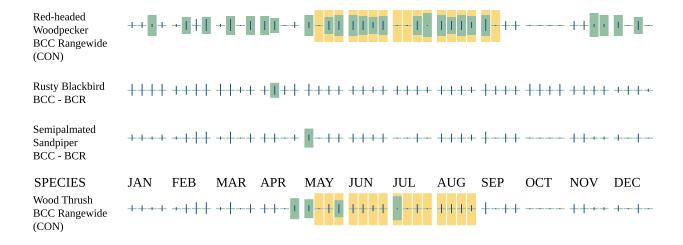
Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (-)

A week is marked as having no data if there were no survey events for that week.





Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

WETLANDS

Impacts to <u>NWI wetlands</u> and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local <u>U.S. Army Corps of Engineers District</u>.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

RIVERINE

• R2UBH

IPAC USER CONTACT INFORMATION

Agency: Indiana Department of Transportation

Name: Nora Hillard

Address: 6958 Hillsdale Court

City: Indianapolis

State: IN Zip: 46250

Email norah@metricenv.com

Phone: 3174001633



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Indiana Ecological Services Field Office 620 South Walker Street Bloomington, IN 47403-2121 Phone: (812) 334-4261 Fax: (812) 334-4273

In Reply Refer To: February 10, 2023

Project code: 2023-0044047

Project Name: Des. 1901781, Road Improvement and Bridge Rehabilitation Project, Clinton

Street, Vigo County, IN

Subject: Concurrence verification letter for the 'Des. 1901781, Road Improvement and Bridge

Rehabilitation Project, Clinton Street, Vigo County, IN' project under the revised February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for

Transportation Projects within the Range of the Indiana Bat and Northern Long-eared

Bat.

To whom it may concern:

The U.S. Fish and Wildlife Service (Service) has received your request dated February 10, 2023 to verify that the **Des. 1901781, Road Improvement and Bridge Rehabilitation Project, Clinton Street, Vigo County, IN** (Proposed Action) may rely on the concurrence provided in the February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat (PBO) to satisfy requirements under Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C 1531 *et seq.*).

Based on the information you provided (Project Description shown below), you have determined that the Proposed Action is within the scope and adheres to the criteria of the PBO, including the adoption of applicable avoidance and minimization measures, and may affect, but is <u>not likely to adversely affect</u> (NLAA) the endangered Indiana bat (*Myotis sodalis*) and/or the threatened Northern long-eared bat (*Myotis septentrionalis*). Consultation with the Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) is required.

The Service has 14 calendar days to notify the lead Federal action agency or designated non-federal representative if we determine that the Proposed Action does not meet the criteria for a NLAA determination under the PBO. If we do <u>not</u> notify the lead Federal action agency or designated non-federal representative within that timeframe, you may proceed with the Proposed Action under the terms of the NLAA concurrence provided in the PBO. This verification period allows Service Field Offices to apply local knowledge to implementation of the PBO, as we may

identify a small subset of actions having impacts that were unanticipated. In such instances, Service Field Offices may request additional information that is necessary to verify inclusion of the proposed action under the PBO.

NOTE: The Service reclassified the NLEB as an endangered species on November 30, 2022. This ruling becomes effective on March 31, 2023. This NLAA determination does not require reinitiation. For projects requiring consultation after the effective date of March 31, 2023, please use the 2023 FHWA, FRA, FTA PBO.

For Proposed Actions that include bridge/culvert or structure removal, replacement, and/or maintenance activities: If your initial bridge/culvert or structure assessment documented signs of bat use or occupancy, or an assessment failed to detect Indiana bats and/or NLEBs, yet are later detected prior to, or during construction, please submit the Post Assessment Discovery of Bats at Bridge/Culvert or Structure Form (User Guide Appendix E) to this Service Office within 2 working days of any potential take. In these instances, potential incidental take of Indiana bats and/or NLEBs is covered under the Incidental Take Statement in the 2018 FHWA, FRA, FTA PBO (provided that the take is reported to the Service).

If the Proposed Action is modified, or new information reveals that it may affect the Indiana bat and/or Northern long-eared bat in a manner or to an extent not considered in the PBO, further review to conclude the requirements of ESA Section 7(a)(2) may be required. If the Proposed Action may affect any other federally-listed or proposed species, and/or any designated critical habitat, additional consultation between the lead Federal action agency and this Service Office is required. If the proposed action has the potential to take bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act may also be required. In either of these circumstances, please contact this Service Office.

The following species may occur in your project area and **are not** covered by this determination:

Monarch Butterfly Danaus plexippus Candidate

02/10/2023

Project Description

The following project name and description was collected in IPaC as part of the endangered species review process.

Name

Des. 1901781, Road Improvement and Bridge Rehabilitation Project, Clinton Street, Vigo County, IN

Description

Indiana Department of Transportation (INDOT) and Vigo County, with funding from Federal Highway Administration (FHWA), intends to proceed with a road improvement and bridge rehabilitation project along Clinton Street from Park Avenue to Imperial Avenue (Des. No. 1901781), Vigo County, Indiana. The bridge is at Clinton Street over Otter Creek, located 0.10 mile north of Park Avenue.

The project is located along Clinton Street, from Park Avenue to Imperial Avenue, and includes roadway improvements and the rehabilitation of an existing bridge (#84-00242) which carries Clinton Street over Otter Creek. The existing roadway structure which carries Clinton Street over Otter Creek is a 156.0-foot-long prestressed concrete continuous bridge constructed in 1993. The bridge deck has scattered hairline cracks and pop-outs throughout the concrete, multiple defects in the approach slabs, and the expansion joint is cracked in several locations. There are wide cracks on the superstructure at Pier 2 of Span A and scattered hairline cracks along pier caps, as well as one and half feet of footing exposed at the south end of the north pier. An aluminum and concrete railing system is provided in both directions across the bridge. Proposed project details are summarized in the project documents.

Based on consultation with INDOT Crawfordsville District, October 6, 2022, a review of the U.S. Fish and Wildlife Service (USFWS) database did not indicate the presence of endangered bat species in or within 0.5 mile of the project area. According to the Bridge Inspection Report, dated July 19, 2021, no evidence of bats was reported below the structure. A Metric Environmental biologist holding a Section 10 Recovery Permit for bats (Jason Damm; Permit Number TE-81936D-0) completed an inspection of the bridge on October 11, 2022. During the visit, no bats were seen using the structure; however, guano was present below near the central back wall of the south side of the structure. One pooled guano sample was collected and sent to Northern Arizona University (NAU) for analysis. Results of this sample indicated use of the structure by big brown bats (Eptesicus fuscus). Based on DNA analysis of all samples, no Indiana or northern long-eared bat presence was indicated. The DNA sequencing results from NAU are in the documents folder.

There is suitable summer habitat located within the project area. It is anticipated that approximately 0.012 acre of trees (3 trees) will be removed from the project area during project construction. An aerial image highlighting tree impacts is attached with the project documents. The three trees that will be removed are a boxelder (Acer negundo), sugar maple (Acer saccharum), and tulip poplar (Liriodendron tulipifera). All three trees will be removed within 100 feet from the edge of the roadway during the inactive season 2026. No mitigation is anticipated.

The project is planned to begin in fall 2026 and be completed by winter 2027.

Determination Key Result

Based on your answers provided, this project(s) may affect, but is not likely to adversely affect the endangered Indiana bat and/or the threatened Northern long-eared bat, therefore, consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended 16 U.S.C. 1531 *et seq.*) is required. However, also based on your answers provided, this project may rely on the concurrence provided in the revised February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat and Northern Long-eared Bat.

Qualification Interview

- 1. Is the project within the range of the Indiana bat^[1]?
 - [1] See Indiana bat species profile

Automatically answered

Yes

- 2. Is the project within the range of the Northern long-eared bat^[1]?
 - [1] See Northern long-eared bat species profile

Automatically answered

Yes

- 3. Which Federal Agency is the lead for the action?
 - A) Federal Highway Administration (FHWA)
- 4. Are *all* project activities limited to non-construction^[1] activities only? (examples of non-construction activities include: bridge/abandoned structure assessments, surveys, planning and technical studies, property inspections, and property sales)
 - [1] Construction refers to activities involving ground disturbance, percussive noise, and/or lighting. No
- 5. Does the project include *any* activities that are **greater than** 300 feet from existing road/rail surfaces^[1]?
 - [1] Road surface is defined as the actively used [e.g. motorized vehicles] driving surface and shoulders [may be pavement, gravel, etc.] and rail surface is defined as the edge of the actively used rail ballast.

No

- 6. Does the project include *any* activities **within** 0.5 miles of a known Indiana bat and/or NLEB hibernaculum^[1]?
 - [1] For the purpose of this consultation, a hibernaculum is a site, most often a cave or mine, where bats hibernate during the winter (see suitable habitat), but could also include bridges and structures if bats are found to be hibernating there during the winter.

No

7. Is the project located **within** a karst area?

- 8. Is there *any* suitable^[1] summer habitat for Indiana Bat or NLEB **within** the project action area^[2]? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)
 - [1] See the Service's summer survey guidance for our current definitions of suitable habitat.
 - [2] The action area is defined as all areas to be affected directly or indirectly by the Federal action and not merely the immediate area involved in the action (50 CFR Section 402.02). Further clarification is provided by the <u>User's Guide for the Range-wide Programmatic Consultation for Indiana Bat and Northern Long-eared Bat</u>.

Yes

- 9. Will the project remove *any* suitable summer habitat^[1] and/or remove/trim any existing trees **within** suitable summer habitat?
 - [1] See the Service's <u>summer survey guidance</u> for our current definitions of suitable habitat. *Yes*
- 10. Will the project clear more than 20 acres of suitable habitat per 5-mile section of road/rail? *No*
- 11. Have presence/probable absence (P/A) summer surveys^{[1][2]} been conducted^{[3][4]} **within** the suitable habitat located within your project action area?
 - [1] See the Service's <u>summer survey guidance</u> for our current definitions of suitable habitat.
 - [2] Presence/probable absence summer surveys conducted within the fall swarming/spring emergence home range of a documented Indiana bat hibernaculum (contact local Service Field Office for appropriate distance from hibernacula) that result in a negative finding requires additional consultation with the local Service Field Office to determine if clearing of forested habitat is appropriate and/or if seasonal clearing restrictions are needed to avoid and minimize potential adverse effects on fall swarming and spring emerging Indiana bats.
 - [3] For projects within the range of either the Indiana bat or NLEB in which suitable habitat is present, and no bat surveys have been conducted, the transportation agency will assume presence of the appropriate species. This assumption of presence should be based upon the presence of suitable habitat and the capability of bats to occupy it because of their mobility.
 - [4] Negative presence/probable absence survey results obtained using the <u>summer survey guidance</u> are valid for a minimum of two years from the completion of the survey unless new information (e.g., other nearby surveys) suggest otherwise.

- 12. Does the project include activities **within documented Indiana bat habitat**^{[1][2]}?
 - [1] Documented roosting or foraging habitat for the purposes of this consultation, we are considering documented habitat as that where Indiana bats and/or NLEB have actually been captured and tracked using (1) radio telemetry to roosts; (2) radio telemetry biangulation/triangulation to estimate foraging areas; or (3) foraging areas with repeated use documented using acoustics. Documented roosting habitat is also considered as suitable summer habitat within 0.25 miles of documented roosts.)
 - [2] For the purposes of this key, we are considering documented corridors as that where Indiana bats and/or NLEB have actually been captured and tracked to using (1) radio telemetry; or (2) treed corridors located directly between documented roosting and foraging habitat.

No

13. Will the removal or trimming of habitat or trees occur **within** suitable but **undocumented Indiana bat** roosting/foraging habitat or travel corridors?

Yes

- 14. What time of year will the removal or trimming of habitat or trees **within** suitable but **undocumented Indiana bat** roosting/foraging habitat or travel corridors occur^[1]?
 - [1] Coordinate with the local Service Field Office for appropriate dates.
 - B) During the inactive season
- 15. Does the project include activities within documented NLEB habitat^{[1][2]}?
 - [1] Documented roosting or foraging habitat for the purposes of this consultation, we are considering documented habitat as that where Indiana bats and/or NLEB have actually been captured and tracked using (1) radio telemetry to roosts; (2) radio telemetry biangulation/triangulation to estimate foraging areas; or (3) foraging areas with repeated use documented using acoustics. Documented roosting habitat is also considered as suitable summer habitat within 0.25 miles of documented roosts.)
 - [2] For the purposes of this key, we are considering documented corridors as that where Indiana bats and/or NLEB have actually been captured and tracked to using (1) radio telemetry; or (2) treed corridors located directly between documented roosting and foraging habitat.

No

16. Will the removal or trimming of habitat or trees occur **within** suitable but **undocumented NLEB** roosting/foraging habitat or travel corridors?

Yes

- 17. What time of year will the removal or trimming of habitat or trees **within** suitable but **undocumented NLEB** roosting/foraging habitat or travel corridors occur?
 - B) During the inactive season
- 18. Will *any* tree trimming or removal occur **within** 100 feet of existing road/rail surfaces? *Yes*
- 19. Will *any* tree trimming or removal occur **between** 100-300 feet of existing road/rail surfaces?

20. Are *all* trees that are being removed clearly demarcated?

Yes

21. Will the removal of habitat or the removal/trimming of trees include installing new or replacing existing **permanent** lighting?

No

22. Does the project include wetland or stream protection activities associated with compensatory wetland mitigation?

No

23. Does the project include slash pile burning?

No

- 24. Does the project include *any* bridge removal, replacement, and/or maintenance activities (e.g., any bridge repair, retrofit, maintenance, and/or rehabilitation work)? *Yes*
- 25. Is there *any* suitable habitat^[1] for Indiana bat or NLEB **within** 1,000 feet of the bridge? (includes any trees suitable for maternity, roosting, foraging, or travelling habitat)
 - [1] See the Service's current <u>summer survey guidance</u> for our current definitions of suitable habitat. *Yes*
- 26. Has a bridge assessment^[1] been conducted **within** the last 24 months^[2] to determine if the bridge is being used by bats?
 - [1] See <u>User Guide Appendix D</u> for bridge/structure assessment guidance
 - [2] Assessments must be completed no more than 2 years prior to conducting any work below the deck surface on all bridges that meet the physical characteristics described in the Programmatic Consultation, regardless of whether assessments have been conducted in the past. Due to the transitory nature of bat use, a negative result in one year does not guarantee that bats will not use that bridge/structure in subsequent years.

Yes

SUBMITTED DOCUMENTS

- 21-0068_1901781_Metric Guano Collection Form_.pdf https://ipac.ecosphere.fws.gov/project/ZT6EOVVATNAKDJ5CHY5KNXF6QI/projectDocuments/122279675
- 21-0068_1901781_Metric Bat Insp_10112022.pdf https://ipac.ecosphere.fws.gov/project/ZT6EOVVATNAKDJ5CHY5KNXF6QI/projectDocuments/122279984
- BEGL_results_Des_1901781_reportA.pdf https://ipac.ecosphere.fws.gov/project/ZT6EOVVATNAKDJ5CHY5KNXF6QI/projectDocuments/122279766

- 27. Did the bridge assessment detect *any* signs of Indiana bats and/or NLEBs roosting in/under the bridge (bats, guano, etc.)^[1]?
 - [1] If bridge assessment detects signs of *any* species of bats, coordination with the local FWS office is needed to identify potential threatened or endangered bat species. Additional studies may be undertaken to try to identify which bat species may be utilizing the bridge prior to allowing *any* work to proceed.

Note: There is a small chance bridge assessments for bat occupancy do not detect bats. Should a small number of bats be observed roosting on a bridge just prior to or during construction, such that take is likely to occur or does occur in the form of harassment, injury or death, the PBO requires the action agency to report the take. Report all unanticipated take within 2 working days of the incident to the USFWS. Construction activities may continue without delay provided the take is reported to the USFWS and is limited to 5 bats per project.

No

28. Will the bridge removal, replacement, and/or maintenance activities include installing new or replacing existing **permanent** lighting?

No

29. Does the project include the removal, replacement, and/or maintenance of *any* structure other than a bridge? (e.g., rest areas, offices, sheds, outbuildings, barns, parking garages, etc.)

No

30. Will the project involve the use of **temporary** lighting *during* the active season? *Yes*

31. Is there *any* suitable habitat **within** 1,000 feet of the location(s) where **temporary** lighting will be used?

Yes

32. Will the project install new or replace existing **permanent** lighting? *No*

33. Does the project include percussives or other activities (**not including tree removal**/ **trimming or bridge**/**structure work**) that will increase noise levels above existing traffic/ background levels?

No

34. Are *all* project activities that are **not associated with** habitat removal, tree removal/ trimming, bridge and/or structure activities, temporary or permanent lighting, or use of percussives, limited to actions that DO NOT cause any additional stressors to the bat species?

Examples: lining roadways, unlighted signage, rail road crossing signals, signal lighting, and minor road repair such as asphalt fill of potholes, etc.

Yes

35. Will the project raise the road profile **above the tree canopy**?

36. Are the project activities that are not associated with habitat removal, tree removal/ trimming, bridge and/or structure activities, temporary or permanent lighting, or use of percussives consistent with a No Effect determination in this key?

Automatically answered

Yes, other project activities are limited to actions that DO NOT cause any additional stressors to the bat species as described in the BA/BO

37. Is the habitat removal portion of this project consistent with a Not Likely to Adversely Affect determination in this key?

Automatically answered

Yes, because the tree removal/trimming that occurs outside of the Indiana bat's active season occurs greater than 0.5 miles from the nearest hibernaculum, is less than 100 feet from the existing road/rail surface, includes clear demarcation of the trees that are to be removed, and does not alter documented roosts and/or surrounding summer habitat within 0.25 miles of a documented roost.

38. Is the habitat removal portion of this project consistent with a Not Likely to Adversely Affect determination in this key?

Automatically answered

Yes, because the tree removal/trimming that occurs outside of the NLEB's active season occurs greater than 0.5 miles from the nearest hibernaculum, is less than 100 feet from the existing road/rail surface, includes clear demarcation of the trees that are to be removed, and does not alter documented roosts and/or surrounding summer habitat within 0.25 miles of a documented roost.

39. Is the bridge removal, replacement, or maintenance activities portion of this project consistent with a No Effect determination in this key?

Automatically answered

Yes, because the bridge has been assessed using the criteria documented in the BA and no signs of bats were detected

40. General AMM 1

Will the project ensure *all* operators, employees, and contractors working in areas of known or presumed bat habitat are aware of *all* FHWA/FRA/FTA (Transportation Agencies) environmental commitments, including all applicable Avoidance and Minimization Measures?

Yes

41. Tree Removal AMM 1

Can *all* phases/aspects of the project (e.g., temporary work areas, alignments) be modified, to the extent practicable, to avoid tree removal^[1] in excess of what is required to implement the project safely?

Note: Tree Removal AMM 1 is a minimization measure, the full implementation of which may not always be practicable. Projects may still be NLAA as long as Tree Removal AMMs 2, 3, and 4 are implemented and LAA as long as Tree Removal AMMs 3, 5, 6, and 7 are implemented.

[1] The word "trees" as used in the AMMs refers to trees that are suitable habitat for each species within their range. See the USFWS' current summer survey guidance for our latest definitions of suitable habitat.

Yes

42. Tree Removal AMM 3

Can tree removal be limited to that specified in project plans and ensure that contractors understand clearing limits and how they are marked in the field (e.g., install bright colored flagging/fencing prior to any tree clearing to ensure contractors stay within clearing limits)?

Yes

43. Tree Removal AMM 4

Can the project avoid cutting down/removal of *all* (1) **documented**^[1] Indiana bat or NLEB roosts^[2] (that are still suitable for roosting), (2) trees **within** 0.25 miles of roosts, and (3) documented foraging habitat any time of year?

- [1] The word documented means habitat where bats have actually been captured and/or tracked.
- [2] Documented roosting or foraging habitat for the purposes of this consultation, we are considering documented habitat as that where Indiana bats and/or NLEB have actually been captured and tracked using (1) radio telemetry to roosts; (2) radio telemetry biangulation/triangulation to estimate foraging areas; or (3) foraging areas with repeated use documented using acoustics. Documented roosting habitat is also considered as suitable summer habitat within 0.25 miles of documented roosts.)

Yes

44. Lighting AMM 1

Will *all* **temporary** lighting be directed away from suitable habitat during the active season?

Yes

Project Questionnaire

1. Have you made a No Effect determination for *all* other species indicated on the FWS IPaC generated species list?

N/A

2. Have you made a May Affect determination for *any* other species on the FWS IPaC generated species list?

N/A

3. How many acres^[1] of trees are proposed for removal between 0-100 feet of the existing road/rail surface?

[1] If described as number of trees, multiply by 0.09 to convert to acreage and enter that number. 0.27

4. Please describe the proposed bridge work:

Scope of work at the existing bridge carrying Clinton Street over Otter Creek will include deck removal and replacement of the exterior 7.6 feet of deck copings along with replacement of the exterior beam lines. Bent reconstruction will be required at bents 1 and 4 for replacement of the exterior beams. The reinforced concrete approaches, bridge rail transitions, and bridge railing will also be replaced. A new concrete sidewalk will be installed along the east bridge rail on top of the bridge. The bridge work is anticipated to require a maximum excavation of approximately three feet within the limits of the bridge end bents. Work below the OHWM will be required beneath the bridge for the installation of riprap around Pier 3.

5. Please state the timing of all proposed bridge work:

The project is planned to begin in fall 2026 and be completed by winter 2027.

6. Please enter the date of the bridge assessment:

October 11, 2022

Avoidance And Minimization Measures (AMMs)

This determination key result includes the committment to implement the following Avoidance and Minimization Measures (AMMs):

TREE REMOVAL AMM 4

Do not remove **documented** Indiana bat or NLEB roosts that are still suitable for roosting, or trees within 0.25 miles of roosts, or

documented foraging habitat any time of year.

GENERAL AMM 1

Ensure all operators, employees, and contractors working in areas of known or presumed bat habitat are aware of all FHWA/FRA/FTA (Transportation Agencies) environmental commitments, including all applicable AMMs.

TREE REMOVAL AMM 1

Modify all phases/aspects of the project (e.g., temporary work areas, alignments) to avoid tree removal.

LIGHTING AMM 1

Direct temporary lighting away from suitable habitat during the active season.

TREE REMOVAL AMM 2

Apply time of year restrictions for tree removal when bats are not likely to be present, or limit tree removal to 10 or fewer trees per project at any time of year within 100 feet of existing road/

rail surface and **outside of documented** roosting/foraging habitat or travel corridors; visual emergence survey must be conducted with <u>no bats observed</u>.

TREE REMOVAL AMM 3

Ensure tree removal is limited to that specified in project plans and ensure that contractors understand clearing limits and how they are marked in the field (e.g., install bright colored flagging/fencing prior to any tree clearing to ensure contractors stay within clearing limits).

Determination Key Description: FHWA, FRA, FTA Programmatic Consultation For Transportation Projects Affecting NLEB Or Indiana Bat

This key was last updated in IPaC on February 02, 2023. Keys are subject to periodic revision. This decision key is intended for projects/activities funded or authorized by the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), and/or Federal Transit Administration (FTA), which may require consultation with the U.S. Fish and Wildlife Service (Service) under Section 7 of the Endangered Species Act (ESA) for the endangered **Indiana bat** (*Myotis sodalis*) and the threatened **Northern long-eared bat** (NLEB) (*Myotis septentrionalis*).

This decision key should <u>only</u> be used to verify project applicability with the Service's <u>February 5, 2018, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects</u>. The programmatic biological opinion covers limited transportation activities that may affect either bat species, and addresses situations that are both likely and not likely to adversely affect either bat species. This decision key will assist in identifying the effect of a specific project/activity and applicability of the programmatic consultation. The programmatic biological opinion is <u>not</u> intended to cover all types of transportation actions. Activities outside the scope of the programmatic biological opinion, or that may affect ESA-listed species other than the Indiana bat or NLEB, or any designated critical habitat, may require additional ESA Section 7 consultation.

IPaC User Contact Information

Agency: Indiana Department of Transportation

Name: Benjamin Neild Address: 41 W. 300 N. City: Crawfordsville

State: IN Zip: 47933

Email bneild@indot.in.gov

Phone: 7653615259



Farm Production and Conservation Natural Resources Conservation Service Indiana State Office 6013 Lakeside Boulevard Indianapolis, Indiana 46278 317-295-5800

December 28, 2023

Nora Hillard Metric Environmental 6958 Hillsdale Court Indianapolis, Indiana 46250

Dear Ms. Hillard:

The proposed Road Revitalization and Bridge Rehabilitation, from Park Ave. to Imperial Ave., including Vigo Co. Bridge No. 242: Clinton St. over Otter Creek, 0.10 Mile North of Park Ave., Vigo County, Indiana (Des. No. 1901781), as referred to in your letter received on December 18, 2023, will cause a conversion of prime farmland.

The attached packet of information is for your use competing Parts VI and VII of the AD-1006. After completion, the federal funding agency needs to forward one copy to NRCS for our records.

If you need additional information, please contact John Allen at 317-295-5859 or john.allen@usda.gov.

Sincerely,

JOHN ALLEN

Digitally signed by JOHN ALLEN Date: 2024.01.04 08:56:41 -05'00'

JOHN ALLEN State Soil Scientist

Enclosers

F	U.S. Departmen	_		ATING					
PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request 11/22/2023							
Name of Project Des. No. 1901781, Road revitalization ar									
Proposed Land Use Roadway widen		County and State Vigo County, Indiana							
PART II (To be completed by NRCS)	mg/sidewant	Date Request Received By NRCS 11/22/2023 Person Completing Form: JRA					m:		
Does the site contain Prime, Unique, Statew	vide or Local Important Farmland				<u> </u>				
(If no, the FPPA does not apply - do not con				252 ac					
Major Crop(s)	Farmable Land In Govt.	Farmable Land In Govt. Jurisdiction			Amount of Farmland As Defined in FPPA				
Corn	Acres: 209398% 81	Acres: 19548% 74							
Name of Land Evaluation System Used	Name of State or Local S					RCS			
LESA		12/28/2023							
PART III (To be completed by Federal Ager	 ncy)				Alternative Site Rating				
A. Total Acres To Be Converted Directly				Site A 0.589	Site B	Site C	Site D		
B. Total Acres To Be Converted Indirectly				1					
C. Total Acres In Site				0.080 0.669					
PART IV (To be completed by NRCS) Land	d Evaluation Information			0.009					
A. Total Acres Prime And Unique Farmland	a Evaluation mormation			0.50					
B. Total Acres Statewide Important or Local	Important Farmland			0.59					
C. Percentage Of Farmland in County Or Lo	·			0.00					
		ve Value		<0.001					
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value			34						
PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)			82						
PART VI (To be completed by Federal Agency) Site Assessment Criteria (Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA		CPA-106)	Maximum Points	Site A	Site B	Site C	Site D		
1. Area In Non-urban Use			(15)	0					
2. Perimeter In Non-urban Use			(10)	3					
3. Percent Of Site Being Farmed			(20)	5					
4. Protection Provided By State and Local Government			(20)	5					
5. Distance From Urban Built-up Area			(15)	0					
6. Distance To Urban Support Services			(15)	0					
7. Size Of Present Farm Unit Compared To	Average		(10)	4					
8. Creation Of Non-farmable Farmland			(10)	2					
9. Availability Of Farm Support Services			(5)	0					
10. On-Farm Investments			(20)	0					
11. Effects Of Conversion On Farm Support Services			(10)	0					
12. Compatibility With Existing Agricultural Use			(10)	0					
TOTAL SITE ASSESSMENT POINTS		160	19	0	0	0			
PART VII (To be completed by Federal A	gency)					_	_		
Relative Value Of Farmland (From Part V)		100	82	0	0	0			
Total Site Assessment (From Part VI above or local site assessment)			160	19	0	0	0		
TOTAL POINTS (Total of above 2 lines)			260	101	O L Sito Accos	0 sment Used?	0		
Site Selected: Site A	Date Of Selection 11/22/20	e Of Selection 11/22/2023		YES		NO NO			
Reason For Selection:									
Meets purpose and need of p	project with minimal im	pact to	farmland.						
Name of Federal agency representative comp	oleting this form: Nora Hillar	d on be	half of IND	OOT	D	ate: 12/18/2	2023		

(See Instructions on reverse side)

Form AD-1006 (03-02)

IDEM - Groundwater Section

From: Turnbow, Alisha Nora Hillard To:

Subject: RE: Des. No. 1901781 - Road Revitalization and Bridge Rehabilitation, from Park Ave. to Imperial Ave., including

Vigo Co. Bridge No. 242: Clinton St. over Otter Creek, 0.10 Mile North of Park Ave., Vigo County, IN

Wednesday, March 6, 2024 4:45:40 PM Date:

Attachments:

Hi Nora,

Des No 1901781 is not located in a Wellhead Protection Area (WHPA). However, it is located within 1,970 feet of Leisure Acres Mobile Home Park's WHPA, within 990 feet of Morris Mobile Home Estates' WHPA, within 900 feet of J & T Water Company's WHPA.

- The contact for Leisure Acres Mobile Home Park is Frankie J. Agnew and they can be reached at fiagnew@gmail.com and 812-535-3273.
- The contact for Morris Mobile Home Estates is Rodney Mottesheard and they can be reached at Tim0987as@gmail.com and 812-466-6887.
- The contact for J & T Water Company is Clint Kremer and they can be reached at 765-592-4446 and 4501 North Fruitridge Avenue, Terre Haute, IN 47805.

Let me know what questions you have.

Sincerely,



Alisha Turnbow

Environmental Manager Office of Water Quality Drinking Water Branch, Groundwater Section

(317) 233-9158 • aturnbow@idem.IN.gov

Indiana Department of Environmental Management











IDEM values your feedback.

Please take two minutes and complete this brief survey



USFWS - Additional coordination for Gray Bat

From: McWilliams, Robin
To: Jason Damm

Cc: Nora Hillard; Linda Zug; Susan Castle; Ervin, Brock; RAsadpour@indot.IN.gov

Subject: Re: [EXTERNAL] Des 1901781, Standard Informal Consultation-Gray Bat, Clinton Street, Vigo County

Date: Wednesday, May 14, 2025 2:32:27 PM

Attachments:

Dear Jason,

This responds to your recent letter requesting our concurrence on a "not likely to adversely affect" determination for the gray bat (Myotis grisescens) on the aforementioned project. These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (16 U.S.C. 661 et. seq.) and are consistent with the intent of the National Environmental Policy Act of 1969, the Endangered Species Act (ESA) of 1973, as amended, and the U. S. Fish and Wildlife Service's Mitigation Policy.

The proposed project is within the range of the federally endangered Indiana bat (Myotis sodalis) and gray bat. There are records of both species in Vigo County. Consultation for the Indiana bat will be completed using the Federal Highway Administration, Federal Rail Administration, and Federal Transit Administration's Indiana bat, northern long-eared bat, and tricolored bat Rangewide Programmatic Consultation process. The gray bat is not covered under that consultation.

The preferred alternative includes roadway improvements and the rehabilitation of an existing bridge (#84⁻00242) which carries Clinton Street over Otter Creek. Approximately 0.012 acre of trees (3 trees) will be removed from the project area and temporary lighting may be used during construction. Tree removal will occur during the inactive season for bats and temporary lighting will be directed away from any potential bat habitat. There are no caves or voids for gray bat maternity or winter gray use at the project location.

The Service has reviewed the information you provided, including applicable avoidance and minimization measures and concurs your project is not likely to adversely affect the gray bat.

Wetland and stream impacts may require permits from the US Army Corps of Engineers, the Indiana Department of Environmental Management's Water Quality Certification program, and the Indiana Department of Natural Resources. Wetland impacts should be avoided, and any unavoidable impacts should be compensated for in accordance with the Corps of Engineer's mitigation guidelines.

We appreciate the opportunity to comment at this early stage of project planning. If project plans change such that fish and wildlife habitat may be affected, please recoordinate with our office as soon as possible. If you have any questions about our recommendations, please email or call (812) 902-1752.

Sincerely,

Robin

Robin McWilliams Munson
Fish and Wildlife Biologist/Transportation Liaison
U.S. Fish and Wildlife Service
Indiana Ecological Services Field Office
620 South Walker Street
Bloomington, IN 47403
Robin_McWilliams@fws.gov

NEW 812-902-1752

Mon-Thurs 8:30-4:30p