	Putnam	Route	US 231	Des. No.	1700121 & 2001579
CATI	EGORICAL EX	CLUSION / E	Environmental Docum NVIRONMENT ROJECT INFORMATIO	AL ASSESSN	IENT FORM
Road N	lo./County:		es Highway (US) 231 Street, and Bloomingtor	•	
Designa	ation Number:	1700121 (roa	adway work) and 20015	79 (water line reloca	ation)
Project	Description/Termin	south of the approximate	litation Project / Along US 231/State Road (SR ly 0.01 mile north of th of approximately 1.57 m) 240 Intersection a e US 231/Frazier St	and extending north to
	pleting this form, I conclude rove if Level 4 CE):	de that this project qu	alifies for the following typ	oe of Categorical Excl	usion (FHWA must
			roposed action meets th Required Signatories: ES		
			roposed action meets the Required Signatories: ES		
✓			roposed action meets the equired Signatories: ES		orical Exclusion Manua
			require a separate FON: e environment. Required		
	ocuments prepared by or for lease for public involvement		Division, it is not necessary for	or the ESM of the district	in which the project is
Approval	ESM Signature	Date	ES Signature		Date
		FHWA Signature	Dat	e	
Release fo	or Public Involvement	.			
N/A			RE	B 4-5-2	2021
ESM Init	tials	Date	ES Initials	Date	
Certificat	tion of Public Involver	nent			
			blic Involvement	Date	
Note: Do no	ot approve until after Sec	tion 106 public involv	ement and all other enviro	nmental requirements	
Note: Do no INDOT ES Env. Revie	ot approve until after Sec SD/District ewer Signature:	tion 106 public involv	vement and all other enviro	nmental requirements	-
Note: Do no INDOT ES Env. Revie	ot approve until after Sec	tion 106 public involv	vement and all other enviro	nmental requirements	-

County	Putnam	Route	US 231	Des. No.	1700121 & 2001579
Every Federa development	l action requires some le process. The level of p i	vel of public involvemen	BLIC INVOLVE t, providing for early an uld be commensurate	d continuous opportur	nities throughout the project ction.
If N	es the project have a his lo, then: Opportunity for a Public l	.	ınder the Historic Bridg	es PA*?	No ✓
*A public hea			d under the Historic Bri	dges Programmatic A	greement between INDOT,
	Notice of Entry for Sur Notice of Entry letters 2018 notifying them a may be seen in the are Public Information Me Invitation letters were 4). A legal notice adve 29, 2020 (Appendix F, the Greencastle City H Disease (COVID-19) pa Section 106 Consulting party mee (Appendix D, pages D- 2020, was sent to con platform due to COVII and preliminary design	rvey or Investigation Less were mailed to potent bout the project and the Appendix F, page F-2	have occurred for this etters ially affected property at individuals responsed.). erty owners on Februariation meeting was publication meeting was subjected in Green remation meeting was of the consulting party means of the consulting party means the consulting p	owners near the propiet. owners near the propiet of the propiet o	g and field activities K F, pages F-3 and F- Graphic on February n March 16, 2020 at to the Coronavirus h concerns. S on April 23, 2020 ation, dated May 4, a an online meeting 8, 2020, the agenda
	began at 1:30 pm and preliminary alternative. Area of Potential Effect minutes were provided attendees concurred with Historic District, and the Tollow Management of the public Administration (FHWA 2020. The legal notice 800.3(e), and 800.6(a)	neeting was held virtual ended at 3:30 pm. The e, maintenance of trafficts (APE), and potential ed to the consulting point the preliminary fincine Courthouse Square Hinvolvement requiremancy's finding of No Adventer offered the public an (4). The public comment of the affidavit of public and the affidavit and the affidav	e meeting discussed the meeting discussed the fic, previous Section 10 effects to the historic arties for review and ling of No Adverse Effect distoric District (Appendents of Section 106, are Effect was published opportunity to submit the period closed 30 days	ne purpose and need, 106 process, historic riproperties. The constitution of May 2 st for Robe Ann Park, Edix D, pages D-70 to Day a legal notice of the din the Banner Grap comments pursuant later on November 3	existing conditions, esources within the ulting party meeting 0, 2020. Generally, fastern Enlargement 0-83). e Federal Highway phic on October 30, to 36 CFR 800.2(d), 0, 2020. See the text
This is p Project r	age 2 of 38		S 231 Road Rehabilitation	n Date	e: April 5, 2021

County	Putnam	Route	US 231	Des. No.	1700121 & 2001579
	opportunity to submit	comments on the <i>de</i> e public was given 30 d	ng for Robe Ann Park. e minimis finding was lays to submit comment dix F, page F-5.	advertised in the <i>E</i>	Banner Graphic on
	Transportation (INDOT) opportunity to submit c	t the minimum required in the property of the	rements described in anual which requires the stapublic hearing. There this document for publicents are fulfilled.	e project sponsor to efore, a legal notice v	offer the public an will appear in a local
	ntroversy on Environme oject involve substantial co		community and/or natural	resource impacts?	Yes No ✓
Remarks:	Currently, there is no resources.	substantial public con	troversy concerning im	pacts to the comm	unity or to natural
<u>Part</u>	<u>II - General Pro</u> j	ect Identificat	<u>ion, Descriptio</u>	<u>n, and Desig</u>	<u>n Information</u>
-	e of the Facility:	INDOT US 231 (also known lo Street)	ocally as Jackson Street,	INDOT District: Washington Street	Crawfordsville , and Bloomington
_	ource (mark all that apply) selected, please identify t		ate 🗸 Local	Other*	
PURPOS	E AND NEED:				
escribe the this section	transportation problem than (Refer to the CE Manua	at the project will addres	ss. The solution to the tra	affic problem should i	NOT be discussed
231 between project no cracking from the at-	for the project is due to to een SR 240 north to Frazio orth to Washington Stree from the underlying concre grade railroad crossing, ore, the existing storm w	er Street. Overall, the of t, there is fatigue crace ete and age hardening there is severe paver	condition rating of US 23 king in the wheel path of the asphalt surface ment distress due to a	31 is "poor." From the and near the curb naterial. From Wash nold deteriorating	he beginning of the line, and reflective ington Street north water line utility.
drainage v paving act evident sir end of the	with ponding. The pavement in	ent has been patched on e pavement, but fatign as completed in 2017 a cracking in the wheel p	n a regular basis due to u ue cracking and pumpi approximately. From the path. Some of the existir	utility line failures. R ng of the subgrade at-grade railroad cr ng sidewalks and cur	material has been ossing north to the
along US 2	ose of the project is to im 231 between SR 240 nort ea, as needed.		_		_
This is p	age 3 of 38	US	231 Road Rehabilitation	Date	: April 5, 2021

	Putnan	<u> </u>	Route	US 231	Des. No.	1700121	& 200157
PROJECT D	ESCRIPTION	ON (PREI	FERRED ALTERNA	ATIVE):			
County: Put	nam		Municipal	ity: City of Greencastle	2		
Limits of Propo	sed Work:	240 Inter	section and extend no	5 231 and begin approximorth to approximately 0.01 of approximately 1.57 mi	mile north of t		
Гotal Work Len	ngth:	1.57	_ Mile(s)	Total Work Area:	10.5	Acre(s)	
	•	•	/ Interchange Justifica nditional approval for	tion Study (IMS/IJS) requi this project?	red?	Yes ¹ Date:	No ✓
				ocument must be submitte	d to the FHWA	with a request t	for final
hrough the Ci 0.03 mile south street Intersec 11, and 28 of	ity of Green h of the US 2 tion, for a to Township 14	castle in P 31/SR 240 otal length 4 North, a	utnam County, Indian Intersection and exte	as Jackson Street, Washin a. The project limits are a and north to approximatel of miles. The project is with the Greencastle U.S. Geol	along US 231 ar y 0.01 mile nor nin Greencastle	nd begin approath th of the US 231 Township, Sect	ximately ./Frazier
		-		cial, residential, recreatio	nal (Robe Ann	Park), and edu	gle. The
Existing Condi US 231 is funct travel lanes (or Eleven-foot wi an existing 12 project area ar Existing draina underground p through the de	ersity) propertions tionally class tionally class the northbou de right and foot wide r the vary in with the period water towntown ar	erties (App ified as an nd and on left turn I right turn idth from rily convey utility line rea. The e	Other Principal Arter e southbound) with 1 anes are present at in lane with 1-foot wide 4 to 10 feet. An at-graved by curb and gutte is located below the xisting right-of-way w	cial, residential, recreatio	ea, US 231 consists, and 4.75-foother north approent. Sidewalks ated within the an enclosed state of the ates.	ists of two 12-fo t wide paved sh ach to Elizabet are present wi northern proje torm sewer sys grade railroad	oot wide oulders. h Street, thin the ect area. tem. An crossing
Existing Condii US 231 is funct travel lanes (or Eleven-foot wi an existing 12 project area ar Existing draina underground p through the di centerline (App Preferred Alte The preferred north to the Street/Bloomin	tions tionally class ne northbou de right and foot wide r nd vary in wi age is primal bublic water owntown ar pendix B, pa arnative alternative the Washingt ngton Stree nds approxim	erties (App diffied as an and and on left turn I dight turn didth from a dily convey utility line dea. The ed ges B-3 to sis divided on Streed to Intersect mately 100	Other Principal Arter e southbound) with 1 anes are present at in lane with 1-foot wide to 10 feet. An at-graved by curb and gutter is located below the existing right-of-way wards.	cial, residential, recreation B-6). ial. Within the project are to 2-foot wide curb offset tersecting roadways. On the paved shoulder is preside railroad crossing is local to sections that drain into the roadway pavement from	ea, US 231 consists, and 4.75-foother north appropriate within the an enclosed state of the attraction and t	ists of two 12-fort wide paved sheach to Elizabeth are present with northern projectorm sewer systygrade railroad feet from the 103 mile south or or the Wastowlawn Aver	pot wide oulders. In Street, thin the ect area. Item. An crossing roadway

County	Putnam	Route	US 231	Des. No.	1700121 & 2001579	
_				<u> </u>		

Section 1 involves minor structural overlay of the pavement. Associated work includes:

- Milling the existing pavement 2 inches and overlaying with 4 inches of pavement which will result in pavement that is 2 inches above the existing grade.
- Replacing the curb and gutters.
- Modifying curb ramps that do not meeting current ADA standards.
- Regrading driveway approaches.
- Replacing sidewalks that are currently adjacent to the back of the curb.
- Removing three trees within Robe Ann Park, and removing trees within the grass buffer (lawn between the back of the curb and sidewalk) along Bloomington Street that would not likely survive curb replacement.
- Avoiding drainage structures along Bloomington Street except to adjust casting elevations.
- Avoiding the stamped concrete at the US 231/Anderson Street Intersection. Full-depth pavement replacement will occur adjacent to this intersection to properly tie in pavement elevations.

Section 2 involves full depth replacement of the pavement. Associated work includes:

- Replacing the curbs and gutters at current locations.
- Replacing the storm sewer and installing new inlets.
- Modifying all curb ramps that do not meet current ADA standards.
- Replacing sidewalks that are currently adjacent to the back of curb.
- Replacing and moving the underground public water utility line to outside of the roadway and below the grass buffer (Des. Number 2001579). Due to constructability concerns, the water line may be relocated under the parking lane between Franklin Street and Indiana Street. Any sidewalk replacement will be minimized and inkind.
- Replacing disturbed trees within the grass buffer and sidewalk tree grates with the same species and variety.

Section 2 also involves work around the courthouse square. Associated work includes:

- Removing the crosswalks in the center of the block (west and south of the Putnam County Courthouse).
- Maintaining the concrete wall along the inside edge of Jackson and Washington Streets, near the courthouse. Any work to the concrete wall will be minimized and replaced in-kind.
- Improving the midblock crosswalk on Washington Street to current ADA standards.
- Replacing the concrete sidewalks up to the commercial buildings along the west side of Jackson Street and the south side of Washington Street.
- Replacing the concrete pavers with matching or similar pavers in the same locations.
- Replacing the trees within the sidewalk tree gates with the same species and variety.

Section 3 involves pavement overlay. Associated work includes:

- Milling the existing pavement 1.5 inches and overlaying with 1.5 inches of pavement with some patching to occur.
- Maintain the existing roadway footprint and elevation grade. There are no curbs present within this section.

The maximum depth of excavation will be up to approximately 10 feet below ground surface (bgs). Approximately 0.15 acre of permanent right-of-way and 0.70 acre of temporary right-of-way will be required for the project. No residences or businesses will be relocated. The estimated project cost is \$6,357,520 (fiscal year [FY] 2022). Construction anticipated to begin in spring of 2022.

Through traffic will be maintained with a detour and local traffic will be maintained with phased construction. It is anticipated that one lane will be kept open for two-way traffic while the other lane is under construction. Southbound US 231 traffic that does not follow an official detour around the City will likely be encouraged to use an established truck route on South Jackson Street. The overlay construction in Section 3 will occur under flagging operations. Access to all

oute on South Jackson Street. The ove	rlay construction in Section 3 will occur under fla	gging operation	s. Access to all
This is page 5 of 38			
Project name:	US 231 Road Rehabilitation	Date:	April 5, 2021
	Form Version: June 2013 Attachment 2		

County	Putnam	Route	US 231	Des. No.	1700121 & 2001579
		during construction (Appe ction of this document for f			laintenance of Traffic
		fies the purpose and need sidewalks within the project		•	•
The termini for the same pave		e logical because the paver es. This project is an indepo			
OTHER ALT	TERNATIVES C	ONSIDERED:			
Describe all disca was not selected		s, including the Do-Nothing	Alternative and an exp	olanation of why each	discarded alternative
not require ac the surroundi pavement and	ve would not invo dditional perman ng environment. d poor drainage v	lve any improvements to the ent or temporary right-of-v The Do Nothing Alternative within the project area. As the purpose and need of th	vay, not involve any c re would not address such, this alternative	cost, and would not re the deteriorating cor	esult in any impacts to ndition of the existing
This alternative pavement fat anticipated de	igue and deeper esign life will be	sealing the pavement from distresses in the asphalt less than the typical span address the purpose and n	or drainage issues al of the preferred alto	ong Washington and	Jackson Streets. The
No other alter	rnatives were cor	nsidered.			
It would not co It would not co It would not co It would not co	orrect existing cap orrect existing saf orrect the existing orrect existing det in serious impac	s not feasible, prudent or pacity deficiencies; ety hazards; roadway geometric deficieneriorated conditions and materials to the motoring public and	ncies; aintenance problems;	or	✓ ————————————————————————————————————
ROADWAY	CHARACTER:				
Functional Cla Current ADT:	volume (DHV):	not involve any work to the Other Principal Arterial 9,160 to 14,130 VPD (20 9.66 to 12.38 Truck Per 30 to 40 Legal Spe	Design Year Acentage (%) 6.67		0 VPD (2042)
This is page		U	S 231 Road Rehabilitati	on Da	ate: April 5, 2021

County	Putnam	Route	US 231	Des. No.	1700121 & 2001579
		Existing		Proposed	
Number of	f Lanes:	2 to	4		2 to 4
Type of La		Two 12-foot wid One 11-foot wide left turn lar One 11-foot wide right t roadwa One 12-foot wide right turn	ne (intersecting roadways) urn lane (intersecting ays)	One 11-foot wi	foot wide travel lanes de left turn lane (intersecting roadways) de right turn lane (intersecting roadways) right turn lane (Elizabeth Street'
Pavement	Width:	46 ft.		46 ft.	
Shoulder \		4.75 (Elizabeth Street)		4.75 ft. (Elizabeth Street)	
Median W	idth:	0 ft.		0 ft.	
Sidewalk \	Nidth:	4 to 10 ft.		4 to 10 ft.	
	ng: ography: CRITERIA FOR B	✓ Urban	Suburban Rolling	Ru Hil	ıral İy
Structure/f	NBI Number(s): _	Not applicable (N/A)	Sufficiency Rating:	N/A (Rating, S	A ource of Information)
		Existing	Proposed		
Bridge Typ	oe:	N/A	N/A		
Number of		N/A	N/A		
Weight Re	•	N/A ton	N/A ton		
Height Res	strictions:	N/A ft.	N/A ft.		
Curb to Cu	urb Width:	N/A ft.	N/A ft.		
Outside to	Outside Width:	N/A ft.	N/A ft.		
Shoulder \	Nidth:	N/A ft.	N/A ft.		
Length of	Channel Work:		N/A ft.		
Descri Remarks:	Bridges and strue Bridges are not sewer manhole area. Drainage Throughout the replace the stoproject will not ructure be rehabilitation.	located within the project and all contents of the project area, an enclosed sewer system structures along Bloomington erest of the project area, the project area area are all area area	tion information for small area. Several small struct in, and underground public on Street will not be imposed by the project will replace the standard replace/relocate atterways (Appendix B, pages project?	cures associated with its water utility line a acted except to adjusters the underground pages B-15 to B-76). Yes	are within the project list casting elevations. at current locations, ublic water line. The
This is p Project i	page 7 of 38 name:		JS 231 Road Rehabilitation	Date	e: April 5, 2021

County	Putnam	Route	-	US 231		Des. No.	170	0121 &	2001579
MAINTEN	IANCE OF TRAFFIC (MO	Γ) DURING	CONSTR	UCTION:					
s a tempor Will the pro Provision Provision Will the pro	ary bridge proposed? ary roadway proposed? ject involve the use of a detouns will be made for access by as will be made for through-trains will be made to accommode posed MOT substantially chates	local traffic affic depend ate any loc nge the env	and so pos dent busines al special ev ironmental o	ted. sses. rents or festiva consequences	als. of the acti		Yes		No
Remarks:	MOT Through traffic will be mail It is anticipated that one lass Southbound traffic that doestablished truck route on operations (Appendix B, participated the any DePauw University everoteall season, first Fridate equipment during harvest. The lane closure/restriction buses and emergency serve cease upon project complete.	ne will be less not followers	kept open for own an official son Street. To B-48). Accommodate school street sonth court is will be referenced at temponerer, no signature of the second street.	or two-way tra al detour arou he overlay con ess to all prop with the City of art on Monda house square lected in the U	affic while to and the City nstruction erties will f Greencas ys, heavier events, an Unique Spe ience to ti	the other lar y will likely be in Section 3 be maintained tle and othe vehicle trafted increased ecial Provision	e is under e encoura will occur ed during r stakehold fic on Frida use of US ns for the	r construence of cons	ruction. o use an flagging uction. garding e to the by farm act.
Engineerin	Φ.	Right-o		450,000 (2	020) C	onstruction:	\$ 5,741	1,587	(2022)
Anticipated	Start Date of Construction:	Spring o	of 2022						
Date projed		•		year (FY) 2020 (STIP) (Append			ide Transp	ortatio	on
Is the proje	Yes ect in an MPO Area?	No.	<u>, </u>						
Name of I	MPO N/A								
Location of	of Project in TIP N/A								
Date of in	corporation by reference into	the STIP	N/A						-
This is pa	age 8 of 38 ame:		US 231	Road Rehabilit	ation	г)ate:	April '	5. 2021

County _	Putnam	Route	US 231	Des. No.	1700121 & 200157
RIGHT OF	WAY:				
				A 1./	`
	L and Llas I	maata	Permar	Amount (acres	,
	Land Use I	npacis	Permar	ient	Temporary
Residential			0.01		0.08
Commercia	==		0.14		0.40
Agricultura	<u> </u>		0		0
Forest			0		0
Wetlands			0		0
	reational (Robe Ann P	,	0		0.17
Otner: Gove	ernment (Putnam Cou		0		0.05
		TOTAL	0.15		0.70
		imately 0.01 acre will be fro	m recidential la	d (consisting of m	
	reconstruction. Of the land (consisting of maintained lawn and pavement), and 0.05 pavement). Please note the early of-way would be need was determined less. If the scope of work	acre will be from commercial approximately 0.70 acre on proposed temporary right-containtained lawn and pavement pavement), 0.17 acre will be acre will be from the Putnam coordination letter stated that eded (Appendix C, pages C-1 t permanent and temporary right or permanent or temporary in the INDOT District Environme	land (consisting of temporary ripof-way, approximat), 0.40 acre will from Robe Ann I County Court Howard County Co	of maintained lawn ght-of-way for graately 0.08 acre will be from commercial ark (consisting of rouse (consisting of rouse) after the project deeded.	and pavement). The ading and driveway I be from residential al land (consisting of maintained lawn and maintained lawn and es of temporary rightlesign was refined, it

This is page 9 of 38 Project name:

Per a desktop review, field visits conducted on August 10, 2018, August 29, 2018, and April 22, 2019 by RQAW, aerial map of the project area (Appendix B, pages B-3 to B-6), USGS topographic map (Appendix B, page B-2), and the water resources map in the Red Flag Investigation (RFI) report (Appendix E, page E-15), there are 19 stream segments located within the 0.50 mile search radius. There are no stream segments located within or adjacent to the project area. Impacts are not expected. Early Coordination Early Coordination Early coordination letters were sent to the Indiana Department of Natural Resources (IDNR) Division of Fish and Wildlife and the Indiana Department of Environmental Management (IDEM) on March 13, 2020. Because the project does not qualify for the Interim Policy, an early coordination letter was sent to the U.S. Fish and Wildlife Service (USFWS) on June 25, 2020 (Appendix C, pages C-1 to C-3). The automatic generated response letter from IDEM was received on March 13, 2020; however, the response did not contain project specific comments (Appendix C, pages C-4 to C-13). The IDNR Division of Fish and Wildlife responded to early coordination efforts on April 9, 2020 with recommendations to avoid or minimize impacts to streams (Appendix C, pages C-18 to C-20). However, these recommendations do not apply since streams are not located within or adjacent to the project area. The USFWS responded to early coordination efforts on July 21, 2020 with standard recommendations to avoid or minimize impacts to streams (Appendix C, pages C-27 and C-28). However, these recommendations do not apply since streams are not located within or adjacent to the project area. All applicable agency recommendations are included in the Environmental Commitments section of this Categorical Exclusion (CE) document. Presence Impacts Yes No Reservoirs Lakes Farm Ponds Detention Basins Storm Water Management Facilities Other:	County	Putnam	Route	US 231	Des. No.	1700121 & 2001579
Per a desktop review, field visits conducted on August 10, 2018, August 29, 2018, and April 22, 2019 by ROAW, aerial map of the project area (Appendix B, pages 8-3 to 8-6), USGS topographic map (Appendix B, page 8-12), and the water resources map in the Red Flag Investigation (Rir) report (Appendix E, page 1-15), there are 19 stream segments located within the 0.50 mile search radius. There are no stream segments located within or adjacent to the project area. Impacts are not expected. Early Coordination Early coordination letters were sent to the Indiana Department of Natural Resources (IDNR) Division of Fish and Wildlife and the Indiana Department of Environmental Management (IDEM) on March 13, 2020. Because the project does not qualify for the Interim Policy, an early coordination letter was sent to the U.S. Fish and Wildlife service (USFWS) on June 25, 2020 (Appendix C, pages C-1 to C-3). The automatic generated response letter from IDEM was received on March 13, 2020; however, the response did not contain project specific comments (Appendix C, pages C-4 to C-13). The IDNR Division of Fish and Wildlife responded to early coordination efforts on April 9, 2020 with recommendations do not apply since streams are not located within or adjacent to the project area. The USFWS responded to early coordination efforts on July 21, 2020 with standard recommendations to avoid or minimize impacts to streams (Appendix C, pages C-27 and C-28). However, these recommendations do not apply since streams are not located within or adjacent to the project area. All applicable agency recommendations are included in the Environmental Commitments section of this Categorical Exclusion (CE) document. Other Surface Waters Reservoirs Lakes Per a desktop review, field visits conducted on August 10, 2018, August 29, 2018, and April 22, 2019 by RQAW, aerial map of the project area (Appendix B, pages B-3 to 8-6), USGS topographic map (Appendix B, page B-2), and the water resources map in the RFI report (Appendix B, pages C-2), ther						
Early coordination letters were sent to the Indiana Department of Natural Resources (IDNR) Division of Fish and Wildlife and the Indiana Department of Environmental Management (IDEM) on March 13, 2020. Because the project does not qualify for the Interim Policy, an early coordination letter was sent to the U.S. Fish and Wildlife Service (USFWS) on June 25, 2020 (Appendix C, pages C-1 to C-3). The automatic generated response letter from IDEM was received on March 13, 2020; however, the response did not contain project specific comments (Appendix C, pages C-4 to C-13). The IDNR Division of Fish and Wildlife responded to early coordination efforts on April 9, 2020 with recommendations to avoid or minimize impacts to streams (Appendix C, pages C-18 to C-20). However, these recommendations do not apply since streams are not located within or adjacent to the project area. The USFWS responded to early coordination efforts on July 21, 2020 with standard recommendations to avoid or minimize impacts to streams (Appendix C, pages C-27 and C-28). However, these recommendations do not apply since streams are not located within or adjacent to the project area. All applicable agency recommendations are included in the Environmental Commitments section of this Categorical Exclusion (CE) document. Other Surface Waters Per a desktop review, field visits conducted on August 10, 2018, August 29, 2018, and April 22, 2019 by RQAW, aerial map of the project area (Appendix B, pages B-3 to B-6), USGS topographic map (Appendix B, page B-2), and the water resources map in the RFI report (Appendix E, page E-15), there are 13 lakes located within the 0.50 mile search radius (11 mapped and two unmapped). There are no other surface waters located within or adjacent to the project area. Impacts are not expected. Early Coordination The automatic generated response letter from IDEM was received on March 13, 2020; however, the response did not contain project specific comments (Appendix C, pages C-4 to C-13). The IDNR Division of Fish and	Remarks:	Per a desktop review aerial map of the pro and the water resou stream segments loo	, field visits conducted o pject area (Appendix B, p rces map in the Red Flap ated within the 0.50 mi	on August 10, 2018, A pages B-3 to B-6), US g Investigation (RFI) le search radius. The	GS topographic map (Ap report (Appendix E, page	pendix B, page B-2), e E-15), there are 19
Other Surface Waters Reservoirs Lakes Farm Ponds Detention Basins Storm Water Management Facilities Other: Per a desktop review, field visits conducted on August 10, 2018, August 29, 2018, and April 22, 2019 by RQAW, aerial map of the project area (Appendix B, pages B-3 to B-6), USGS topographic map (Appendix B, page B-2), and the water resources map in the RFI report (Appendix E, page E-15), there are 13 lakes located within the 0.50 mile search radius (11 mapped and two unmapped). There are no other surface waters located within or adjacent to the project area. Impacts are not expected. Early Coordination The automatic generated response letter from IDEM was received on March 13, 2020; however, the response did not contain project specific comments (Appendix C, pages C-4 to C-13). The IDNR Division of Fish and Wildlife responded to early coordination efforts on April 9, 2020 with recommendations to avoid or minimize impacts to stormwater, streams, and terrestrial habitat only. Recommendations regarding other surface waters were not provided (Appendix C, pages C-18 to C-20). The USFWS responded to early coordination efforts on July 21, 2020 with standard recommendation to avoid or minimize impacts to streams and		Early coordination leand Wildlife and the the project does not Wildlife Service (USF letter from IDEM was comments (Appendicoordination efforts (Appendix C, pages located within or adj 2020 with standard in C-28). However, the sproject area. All applicable agence	Indiana Department of qualify for the Interim WS) on June 25, 2020 (As received on March 1: ix C, pages C-4 to C-13 on April 9, 2020 with C-18 to C-20). Howeve acent to the project are recommendations to avoice recommendations do by recommendations ar	Environmental Mana Policy, an early coor Appendix C, pages C-3, 2020; however, the B). The IDNR Division recommendations r, these recommendations a. The USFWS respondid or minimize imparts apply since stream	agement (IDEM) on Marc dination letter was sent 1 to C-3). The automatic ne response did not con on of Fish and Wildlife to avoid or minimize i dations do not apply sin nded to early coordinatio acts to streams (Append ams are not located with	h 13, 2020. Because to the U.S. Fish and generated response tain project specific responded to early impacts to streams are not on efforts on July 21, ix C, pages C-27 and in or adjacent to the
Remarks: Other Surface Waters Per a desktop review, field visits conducted on August 10, 2018, August 29, 2018, and April 22, 2019 by RQAW, aerial map of the project area (Appendix B, pages B-3 to B-6), USGS topographic map (Appendix B, page B-2), and the water resources map in the RFI report (Appendix E, page E-15), there are 13 lakes located within the 0.50 mile search radius (11 mapped and two unmapped). There are no other surface waters located within or adjacent to the project area. Impacts are not expected. Early Coordination The automatic generated response letter from IDEM was received on March 13, 2020; however, the response did not contain project specific comments (Appendix C, pages C-4 to C-13). The IDNR Division of Fish and Wildlife responded to early coordination efforts on April 9, 2020 with recommendations to avoid or minimize impacts to stormwater, streams, and terrestrial habitat only. Recommendations regarding other surface waters were not provided (Appendix C, pages C-18 to C-20). The USFWS responded to early coordination efforts on July 21, 2020 with standard recommendation to avoid or minimize impacts to streams and This is page 10 of 38	Reservoirs Lakes Farm Ponds Detention B Storm Water	ace Waters		Prese		
This is page 10 of 38	Remarks:	Per a desktop review aerial map of the pro and the water resou 0.50 mile search rad or adjacent to the property of the property of the property of the automatic general did not contain proj Wildlife responded to impacts to stormwa waters were not pro	r, field visits conducted of pject area (Appendix B, process map in the RFI repositus (11 mapped and two poject area. Impacts are rated response letter from ect specific comments of early coordination efforter, streams, and terreposided (Appendix C, pagovided (Appendix C, pa	pages B-3 to B-6), US ort (Appendix E, page o unmapped). There not expected. Im IDEM was receive (Appendix C, pages orts on April 9, 2020 estrial habitat only. ges C-18 to C-20). Time to the control of the control o	GS topographic map (Ape E-15), there are 13 lake are no other surface with a constant of the c	pendix B, page B-2), s located within the aters located within wever, the response Division of Fish and to avoid or minimize rding other surface of early coordination
FIGURES TRAINE TO VALUE TO A VALU		ge 10 of 38			·	

County	Putnam	Route	US 231	Des. No.	1700121 & 2001579
	terrestrial habitat or pages C-27 and C-28	·	regarding other surfa	ce waters were not pr	rovided (Appendix C,
	All applicable agency document.	y recommendations ar	e included in the <i>Envi</i>	ronmental Commitmer	nts section of this CE
			Presen	<u>ce</u> <u>Impa</u>	<u>cts</u>
Wetlands				Yes	No
Total wetla	and area: N/A	_ acre(s) Tota	al wetland area impacte	d: N/A acro	e(s)
(If a determ	ination has not been m	ade for non-isolated/iso	olated wetlands, fill in th	ne total wetland area im	npacted above.)
Wetland N	lo. Classification	Total Size (Acres)	Impacted Acres	Comn	nents
N/A					
Wetlands (Mark all that apply)	<u>I</u>	<u>Documentation</u>	ES Ap	proval Dates
Wetland De			N/A		N/A
Wetland De	lineation lated Waters Determina	-4:			
Mitigation P		auon			
would resu Substa Substa Unique Substa	ents that will not result in (Mark all that applential adverse impacts to ntially increased project engineering, traffic, mantial adverse social, ecoject not meeting the id	y and explain): o adjacent homes, busi it costs; aintenance, or safety pronomic, or environmen	ness or other improved		dance
Measures to Remarks:	/data/mapper.html), August 29, 2018, and resources map in the	National Wetlands Ir , accessed on Novemb d April 22, 2019 by RQA e RFI report (Appendix	eventory (NWI) online er 30, 2020 by RQAW, AW, USGS topographic E, page E-15), there ar a located within or adj	e mapper (https://www field visits conducted map (Appendix B, page e 10 NWI wetlands loc	on August 10, 2018, e B-2), and the water ated within the 0.50
	did not contain proj Wildlife responded to impacts to stormwat provided (Appendix 2020 with standard	ect specific comments o early coordination ef er, streams, and terres C, pages C-18 to C-20) recommendation to a	om IDEM was received (Appendix C, pages C forts on April 9, 2020 v trial habitat only. Reco The USFWS responde void or minimize impa e not provided (Appen	2-4 to C-13). The IDNR vith recommendations mmendations regardined to early coordinations to streams and ter	Division of Fish and to avoid or minimize ng wetlands were not on efforts on July 21, restrial habitat only.
This is pa Project na	nge 11 of 38 ame:		US 231 Road Rehabilitati	on Dat	e: April 5, 2021

County	Putnam	Route	US 231	Des. No.	1700121 & 2001579		
	All applicable agency recommendations are included in the <i>Environmental Commitments</i> section of this CE document.						
			Presence	Impacts Yes No			
Terrestria Unique or	I Habitat High Quality Habitat		✓	✓			
Use the re Remarks:	of the project area (Apconsists of maintaine saccharum), tulip tree calleryana), tall fescue pratensis), and great ra The project will permalawn and pavement) approximately 0.65 acc (October 1 through Mais not anticipated. Avoid	ield visits conducted pendix B, pages B-3 to lawn and orname (Liriodendron tulipifor (Schedonorus arundingweed (Ambrosia tripital) inently impact approand 0.14 acre of correct of trees within the lirch 31). Because a Colidance of the trees required for the roace	on August 10, 2018 and A to B-6), terrestrial habita ntal trees. Dominant vo era), honey locust (Gledi naceus), white clover (Tri fida). eximately 0.01 acre of res mmercial land (consistin construction limits will be postruction in a Floodway would not be practicable	April 22, 2019 by RQ, t is present within the egetation included sitsia triacanthos), Brifolium repens), Kentusidential land (consist of maintained law e cleared during the y Permit will not be rie because the trees	AW, and aerial map the project area and sugar maple (Acer adford pear (Pyrus acky bluegrass (Poatting of maintained and pavement). Inactive bat season equired, mitigation are in the way of		
	Early Coordination The automatic generat did not contain project Wildlife responded to eimpacts to terrestrial minimizing tree remove 18 to C-20). The US recommendation to average of the commendation to average of the	ed response letter fro t specific comments early coordination effo habitat. Recommer al, especially trees in FWS responded to oid or minimize impa	m IDEM was received on (Appendix C, pages C-4 to tris on April 9, 2020 with andations generally incluan urban environment, a early coordination effects to terrestrial habitat. In ction limits (Appendix C,	to C-13). The IDNR In recommendations to the revegetating districted by the clearing (Aports on July 21, 20). Recommendations go	Division of Fish and avoid or minimize sturbed areas and opendix C, pages C-120 with standard enerally include not		
15.11	document.		included in the Environi				
corrie Karst Is the	re are high incidences of anir dor for animal movement, con proposed project located v rst features located within	sideration of utilizing wild vithin or adjacent to th	dlife crossings should be take e potential Karst Area of	en. Yes Indiana? ✓	No		
	If yes, will the project in	npact any of these kar	rst features?		✓		
	arks box to identify any kan October 13, 1993)	st features within the p	oroject area. (Karst inves	stigation must comply	with the Karst		
Remarks:	Karst Per a desktop review, October 13, 1993 Mem	orandum of Understa ources map in the RFI i	within the designated ka anding (MOU). Per the US report (Appendix E, page	SGS topographic map	(Appendix B, page		
	age 12 of 38						
Project r	name:		IS 231 Road Rehabilitation	Date	: April 5, 2021		

ounty	Putnam	Route	US 231	Des. No.	1700121 & 200157
ounty	- attiani		03 231		1700121 & 200137
	there is a potential for within an area with gravel resource poten	r karst features withing high liquefaction pote tial, and petroleum ex	d March 16, 2020, the In the project area. The Inential, floodway, high becaperation wells (Appenduer on October 28, 2020.	GS also stated the prederock resource pot lix C, pages C-14 to C-	roject area is located ential, low sand and
	impacts to karst feat	ares are not expected concurred that the p	during the field visits a . In an e-mail dated Sep roject is not likely to imp	tember 26, 2020, the	e INDOT Ecology and
				<u>Presence</u>	Impacts
Within t Any criti Federal	d or Endangered Speci he known range of any fo ical habitat identified with species found in project pecies found in project ar	ederal species iin project area area (based upon info		✓	Yes No
s Section	on 7 formal consultation	required for this action	? Yes	No ✓	
	identified ETR specie coordination respons and Robe Ann Park, a	es located within Put e letter dated April 9, Land and Water Conse). Refer to <i>Section D</i> —). The highlighted species and County. Per the I 2020, the Natural Herita ervation Fund site, is with Section 4(f) Resources/S	DNR Division of Fis ge Program's databa nin 0.50 mile of the pi	h and Wildlife early se has been checked, roject area (Appendix
	portal (https://ecos.i generated. The projecthe federally threater	was submitted through ws.gov/ipac/) on Noct area is within the rand of the more area is within the rand of the more area.	gh the USFWS Informat ovember 23, 2020 by ange of the federally end ed bat (<i>Myotis septentri</i> er than the Indiana bat a	RQAW and an office dangered Indiana bate of some some some some some some some some	cial species list was (<i>Myotis sodalis</i>) and Il species were found
	northern long-eared Administration (FRA) completed on June 3 Affect, Not Likely to A C-48). INDOT Greenfi finding on June 30, 20 day review period; th	bat, dated May 202 Federal Transit Admi 0, 2020 by RQAW and dversely Affect the Inc eld District reviewed a 020 (Appendix C, page perefore, it was conclu	Programmatic Information (revised February 2) nistration (FTA), and the I based on the responsed diana bat and northern I and verified the effect fire C-35). No response was used the USFWS concurrentments section of the commitments section of the commitments.	018), between FHW USFWS. An effect desprovided, the project ong-eared bat (Appending and requested s received from the Us with the finding. A	/A, Federal Railroad etermination key was et was found to <i>May</i> ndix C, pages C-36 to USFWS review of the JSFWS within the 14-
	age 13 of 38				
roject r	name:		US 231 Road Rehabilitation	n Da	te: April 5, 202

County	Putnam	Route	US 231	Des. No.	1700121 & 2001579			
	for bats; as such, an Environmental Comn areas, on-site person standard spill preven a 300-foot buffer will	The project is located inside the designated karst region of Indiana. Karst areas may include additional habitat for bats; as such, an Avoidance and Minimization Measure (AMM) is included as a firm commitment in the <i>Environmental Commitments</i> section of this document. Hibernacula AMM 1: For projects located within karst areas, on-site personnel will use best management practices, secondary containment measures, or other standard spill prevention and countermeasures to avoid impacts to possible hibernacula. Where practicable, a 300-foot buffer will be employed to separate fueling areas and other major containment risk activities from caves, sinkholes, losing streams, and springs in karst topography.						
	Review of Highway 7 sent to the USFWS coordination efforts	Because tree clearing will exceed 0.50 acre, the project does not qualify for the <i>USFWS Interim Policy for the Review of Highway Transportation Projects in Indiana dated May 29, 2013</i> . An early coordination letter was sent to the USFWS on June 25, 2020 (Appendix C, pages C-1 to C-3). The USFWS responded to early coordination efforts on July 21, 2020 and stated the USFWS does not have any other comments on the project as currently proposed. The e-mail also listed several standard recommendations (Appendix C, pages C-27 and C-28).						
	Act of 1973, as ame	eed for further consultati nded. If new information nged, the USFWS will be	n on endangered speci	es at the site beco				
SECTION	I B – OTHER RESOU	RCES						
			Presence	<u>Impa</u>	ncts			
Wellhea Public V Resider Source	Nater Resources ad Protection Area Nater System(s) ntial Well(s) Water Protection Area(s ource Aquifer (SSA))	V	Yes ✓	No			
ls Is Ini	A is present, answer the the Project in the St. Jos the FHWA/EPA SSA MO tial Groundwater Assess stailed Groundwater Asse	eph Aquifer System? DU Applicable? ment Required?	Yes	No				
Remarks:	the only legally design Agency (EPA) Sole So	within Putnam County w gnated sole source aquife urce Aquifer Memorandu r assessment is not neede	er in Indiana. Therefore Im of Understanding (N	, the FHWA/Enviro	nmental Protection			
	Wellhead Protection Area and Source Water Area Per review of the IDEM Wellhead Proximity Determinator website (http://www.in.gov/idem/cleanwater/pages/wellhead/), accessed on November 30, 2020 by RQAW, the project is not located within a Wellhead Protection Area or Source Water Area. Impacts are not expected.							
		NR Water Well Record I per 30, 2020 by RQAW, th						
This is p Project r	age 14 of 38	IIS 3	231 Road Rehabilitation	Date	e: April 5, 2021			

Date: ____ April 5, 2021

County	Putnam	Route	US 231	Des. No.	1700121 & 2001579
_	. actiani		00 201		
	approximately 10 for are not expected. I	nas a static water level eet bgs. Per the designer f it is determined during cluded in the appraisal t	, residential water well the right-of-way phas	ls are not within the p	roject area. Impacts
	in.gov/MS4/), access report (Appendix E early coordination	ary INDOT Municipal Separa ssed on November 30, 2 , page E-16), the project etter was sent to the Cit). The MS4 Coordinator (020 by RQAW, and the area is within an Urb y of Greencastle MS4 (e urbanized area boun anized Area Boundary Coordinator on March	dary map in the RFI (UAB) location. An 13, 2020 (Appendix
	pavement from sou public water utility coordination letter	ms ith the designer, an und ith of the at-grade railro ith of the at-grade railro ith ine will be temporar was sent to the City of Go C-1 to C-3). The City of Go	oad crossing through the ly impacted due to it eencastle Department	he downtown area. P ts replacement and r of Public Works (DPW	er the designer, the elocation. An early on March 13, 2020
			Prese	nce Impac	ets ets
Flood Plair	-			Yes	No
-	linal Encroachment rse Encroachment			_	
	ocated within a regula	ted floodplain			
-	_	ithin 1000) up/downstreai	m from project	-	
110111631	ocated in noodplain w	itilii 1000 up/downstieai	II		
scuss impac	cts according to classi	fication system described	in the "Procedural Mar	nual for Preparing Envi	ronmental Studies".
Remarks:	Floodplains				
		ONR Indiana Floodway Ir	formation Portal webs	site (https://dnrmans	dnr in gov /annsnhn
		n November 30, 2020 by			
		roject area is not located	·	•	
		-	• •	•	
	·	nerefore, the project doe	_	idelines for the implei	nentation of 23 CFR
	650, 23 CFR 771, ar	id 44 CFR. Impacts are no	ot expected.		
			Presence	Impacts	
Farmland				Yes No	<u>) </u>
•	ıral Lands				
Prime Fa	armland (per NRCS)				
	nts (from Section VII o	_	N/A		
ee CF Manu	al for quidance to dete	ermine which NRCS form	is appropriate for your	project	
Remarks:	Farmland		io appropriate for your	p. 0)00	
		was sent to the Natur	al Resources Conserva	ation Service (NRCS)	on March 13, 2020
		C-1 to C-3). Per a deskto			
		aerial map of the projec	•	_	•
	-	page C-26), there is no		-	
		ct (FPPA) within or adja	cent to the project are	ea. The requirements	or the FPPA do not
	apply. Impacts are	iot expected.			
This is pa	age 15 of 38				
Project n		Ų	IS 231 Road Rehabilitatio	n Date	e: April 5, 2021
•					

County _	Putnam	Route	US 231	Des. No.	1700121 & 2001579
SECTION	C – CULTURAL RESC	URCES			
/linor Project	s PA Clearance	Category Type		val Dates	N/A ✓
Results of R	esearch	Resource Pre			
Archaeology NRHP Buildi NRHP Distric NRHP Bridge	ct(s)	✓ ✓			
oject Effect lo Historic P	roperties Affected	No Adverse Ef	fect ✓ Adver	se Effect	
)ocumentat	ion (mark all that apply)	Documentation Prepared	ES/FHWA Approval Date(s)	SHPO Approval Date	a(e)
listoric Propo rchaeologic rchaeologic rchaeologic rchaeologic rchaeologic	al Records Check/ Review al Phase la Survey Report al Phase lc Survey Report al Phase II Investigation Ral Phase III Data Recovery and Effect Determination	eport	July 11, 2019 July 11, 2019 July 11, 2019 October 23, 2020 October 23, 2020	August 14, 20 August 14, 20 August 14, 20 November 20, 1	019 019 019 019
scribe all e legories outl al newspap	n of Agreement (MOA) fforts to document cultur lined in the remarks box. ers. Please indicate the pu ction 106 work which must	al resources, including the completion of the sublication date, name	IOA Signature Dates (Ing a detailed summary Section 106 process recof paper(s) and the com	List all signatories) of the Section 106 quires that a Legal Normant period deadline	process, using the tice be published in the Likewise include
Remarks:	Area of Potential Effect The APE is the area in v resources. The APE for project area (approximated feet from the roadway increased by open view. Coordination with Constant Coordination was coordination letter was (Appendix D, pages D-29 Resources Office (CRO) organizations and individual consulting parties are	which the proposed pathis project is an irrelection and irrele	gular polygon. Most of ither side of the roadward roject impacts may occages D-22 and D-23). tial consulting parties called and invited agenci dination was initiated w (Appendix D, pages D-3 early coordination letters	the APE extends one by). The APE is wider cur and where views on March 4, 2019, besor individuals to by the tribal contacts by 34 and D-35). The fores. Those who indicates	e property from the (approximately 180 s to the project are y RQAW. The early e consulting parties the INDOT Cultural ollowing is a list of ated they wished to
This is pa Project na	ge 16 of 38	U	S 231 Road Rehabilitation	Date	e: April 5, 2021

County	Putnam	Route	US 231	Des. No.	1700121 & 2001579

consulting party. The FHWA is the federal agency undertaking the project with INDOT acting on behalf of the FHWA]. See the list of consulting parties in Appendix D, pages D-26 and D-27, and consulting parties' correspondence in Appendix D, pages D-36 to D-42.

	Section 106 Consulting Parties	Date of Response(s)
1.	Indiana Landmarks Western Regional Office	April 30, 2020
2.	Putnam County Museum Executive Director	August 9, 2019 (verbal acceptance)
3.	Heritage Preservation Society of Putnam County	March 11, 2019 and March 12, 2019
4.	Putnam County Historian	No response received
5.	Putnam County Historical Society	No response received
6.	Putnam County Auditor	No response received
7.	Putnam County Board of Commissioner Members	No responses received
8.	Putnam County Highway Supervisor	No response received
9.	Greencastle Mayor	March 4, 2019
10.	Main Street Greencastle, Inc.	March 8, 2019
11.	Greencastle Superintendent, Department of Public Works	No response received
12.	Greencastle City Council Members	No responses received
13.	West Central Indiana Economic Development District, Inc.	No response received
14.	Eastern Shawnee Tribe of Oklahoma	No response received
15.	Forest County Potawatomi Community	May 22, 2020 and June 19, 2020
16.	Miami Tribe of Oklahoma	March 19, 2019
17.	Peoria Tribe of Indians of Oklahoma	No response received
18.	Pokagon Band of Potawatomi Indians	No response received
19.	Greencastle School Corporation (sent on July 16, 2019)	No response received
20.	DePauw University (sent on July 16, 2019)	No response received
21.	*Greencastle Parks and Recreation Department (owner of	No response received
	Robe Ann Park) (sent on July 16, 2019)	

^{*}Per INDOT's Section 106 guidance, it is suggested that owners of recommended historic resources be invited to become consulting parties. As such, the owner of Robe Ann Park (Greencastle Parks and Recreation Department) was e-mailed the early coordination letter and HPR on July 16, 2019.

In an e-mail dated March 4, 2019, the Mayor of Greencastle agreed to be a consulting party. The mayor noted the two National Register of Historic Places (NRHP) districts within the project area are the Eastern Enlargement Historic District and the Courthouse Square Historic District. The mayor stated a resurfacing project should not have an adverse impact on any historic resources since this roadway has been resurfaced several times. The mayor also noted the new sidewalks installed between Bloomington Street and Vine Street were part of a Stellar Communities project (Appendix D, page D-36).

In a letter dated March 19, 2019, the Miami Tribe of Oklahoma agreed to be a consulting party and offered no objection to the project at that time (Appendix D, page D-40). Additional consulting party responses were received but did not provide content regarding historic properties (Appendix D, pages D-37 to D-39).

In a letter dated April 4, 2019, the Indiana SHPO recommended inviting the Greencastle Community School Corporation and DePauw University to be consulting parties due to the potential for disruption of traffic to and from their facilities (Appendix D, pages D-41 and D-42). The Greencastle Community School Corporation and DePauw University were e-mailed the early coordination letter and Historic Property Report (HPR) on July 16, 2019. The Indiana SHPO also indicated it would be advisable to consider whether the APE boundaries should be adjusted based on whether the official detour or unofficial detours could result in increased traffic

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Project name:	US 231 Road Rehabilitation	Date:	April 5, 2021

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in areas where there might be historic buildings or districts. Refer to additional correspondence regarding the APE below and in the *Historic Properties* discussion.

Consulting party meeting invitation letters and e-mails were sent to consulting parties on April 23, 2020 (Appendix D, pages D-52 to D-64). Prior to the consulting party meeting, an e-mail invitation, dated May 4, 2020, was sent to consulting parties notifying them the meeting will be held virtually through an online meeting platform due to COVID-19 health concerns (Appendix D, pages D-66 and D-67). On May 8, 2020, the agenda and preliminary design plans were electronically provided to consulting parties (Appendix D, pages D-68 and D-69).

The consulting party meeting was held virtually on May 11, 2020 via an online meeting platform. The meeting began at 1:30 pm and ended at 3:30 pm. The meeting discussed the purpose and need, existing conditions, preliminary alternative, maintenance of traffic, previous Section 106 process, historic resources within the APE, and potential effects to the historic properties. The consulting party meeting minutes were provided to the consulting parties for review and comment on May 20, 2020. Generally, attendees concurred with the preliminary finding of *No Adverse Effect* for Robe Ann Park, Eastern Enlargement Historic District, and the Courthouse Square Historic District (Appendix D, pages D-70 to D-83).

Archaeology

An Indiana Archaeological Short Report was completed by a qualified professional from Cultural Resource Analysists (Curran, 2019) (Appendix D, pages D-97 to D-99). The reconnaissance identified no archaeological resources within the project area, and it was recommended the project be allowed to proceed. The archaeological report was sent to the Indiana SHPO on July 16, 2019. In a letter dated August 14, 2019, the Indiana SHPO concurred with the findings of the archaeological report (Appendix D, pages D-49 to D-51).

Historic Properties

The APE was investigated for the existence of any historic properties and/or structures by a qualified professional from RQAW on April 19, 2019. Per the field visit and associated documentary research, the historian identified three properties as listed in, or eligible for, the NRHP:

- Robe Ann Park (IHSSI Number 133-250-69053): The property is eligible for listing in the NRHP under Criterion A because it is associated with community and recreational development in Greencastle. The park is located south of the Eastern Enlargement Historic District and east of Bloomington Street (Appendix B, page B-3).
- Courthouse Square Historic District (NR-0656): The historic district was listed in the NRHP in 1984 under Criteria A and C in the areas of community planning and development and architecture. The historic district is located around the Putnam County Courthouse roughly bounded by Franklin Street to the north, College Avenue to the east, Walnut Street to the south, and Market Street to the west (Appendix B, page B-3).
- Eastern Enlargement Historic District (NR-2230): The historic district was listed in the NRHP in 2011 under Criteria A and C in the areas of community planning and development and architecture. The historic district is roughly bounded by Franklin Street to the north, Wood Street to the east, rear parcel lines of properties on the south side of Anderson Street to the south, and College Street to the west (Appendix B, page B-3).

The HPR was completed by a qualified professional from RQAW (Boot, 2020) (Appendix D, pages D-95 and D-96). The HPR was sent to consulting parties, including the Indiana SHPO, on July 16, 2019 (Appendix D, pages D-43 to D-47). The HPR was sent to tribal contacts by the INDOT CRO on July 16, 2019 (Appendix D, page D-48). A weblink to the HPR was also provided.

48). A weblink to the HPR	was also provided.		
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	Form Version: June 2013		1/ -

Attachment 2

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In a letter dated August 14, 2019, the Indiana SHPO concurred with the recommendations of the HPR. The Indiana SHPO staff also concurred with the APE described in the HPR but continued suggesting establishing an APE for detoured traffic (Appendix D, pages D-49 to D-51). In response, the maintenance of traffic was subsequently discussed during the Section 106 process, particularly during the consulting party meeting that took place on May 11, 2020. Refer to Section 6. Summary of Consulting Parties and Public Views of the 800.11 documentation for more information regarding the consulting party meeting (Appendix D, pages D-16 to D-20).

The Indiana SHPO letter also requested additional information to assess the project's effects. As such, a consulting party letter was completed by a qualified professional from RQAW. The consulting party letter was sent to consulting parties, including the Indiana SHPO on April 23, 2020 (Appendix D, pages D-52 to D-64). The letter noted an increase to the northern project limits, minor changes in the scope of work, and the identification of a stone drainage structure with the APE. In addition, the consulting parties (including representatives from FHWA and INDOT) were invited to attend a consulting party meeting on May 11, 2020.

In an e-mail dated May 20, 2020, additional information regarding the stone drainage structure within the Eastern Enlargement Historic District and consulting parties meeting minutes were sent to consulting parties (Appendix D, pages D-70 to D-83). In a letter dated May 26, 2020, the Indiana SHPO commented on several items (Appendix D, pages D-86 to D-91). The Indiana SHPO clarified INDOT's request for Dual Review which extended the comment period for the previous subject matter until June 25, 2020. The Indiana SHPO commented on the consulting party meeting minutes and concurred with the revised APE and that no further archaeological investigations are necessary. The Indiana SHPO commented on Robe Ann Park, including removal of three trees within the park would not likely adversely affect the historic park. The Indiana SHPO commented on the Eastern Enlargement Historic District, including removal of trees along Bloomington Street or replacement of concrete steps in the southeast quadrant of the Bloomington Street/Washington Street would not likely adversely affect the district. The Indiana SHPO commented on the stone drainage structure within the Eastern Enlargement Historic District and recommended documentation of the structure if it becomes visible during excavation. As such, INDOT will implement a Unique Special Provision in the bid documentation to cover the historic documentation by a qualified historian. The documentation will include photographing as much of the exterior and/or interior of the drainage structure, sketching the location of the drainage structure on a plan, and measuring/sketching the cross section of the exterior and/or interior of the drainage structure. Three copies of each of these items (photographs, location plan, cross section sketch, and dimensions) will be recorded on archival gold CDs or DVDs. The archival gold CDs or DVDs will be presented to the Indiana SHPO, the Indiana State Archives, and one or more Putnam County public or not-for-profit entities that are willing to retain the CD or DVD indefinitely for the benefit of researchers. Please see the response letter from the Indiana SHPO, dated May 26, 2020, specifying the documentation requirements (Appendix D, pages D-86 to D-91). The Indiana SHPO commented on the Courthouse Square Historic District, including sidewalk replacement and possible removal of overhead signage and of mid-block pedestrian crosswalks leading to the courthouse would not likely adversely affect the historic district.

In an e-mail dated June 19, 2020, the Forest County Potawatomi Community offered a finding of no historic properties affected (Appendix D, pages D-92 and D-93).

Documentation, Findings

The 800.11 documentation for the *No Adverse Effect* Section 106 finding was signed by INDOT CRO, on behalf of FHWA, on October 23, 2020 (Appendix D, pages D-1 to D-4). The 800.11 documentation was sent to consulting parties, including the Indiana SHPO, on October 26, 2020. In a letter dated November 20, 2020,

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	the Indiana SHPO con 104).	curred with the <i>No Ad</i>	verse Effect Section 106	finding (Appendix D	, pages D-102 to D-
	necessary and issued Clearance is not affire	a Director's Letter of med until after 15 days rson requests a Certific	ndiana SHPO also indica Clearance per state c after the issuance of t cate of Approval from t	ode. However, the I he determination (N	Director's Letter of ovember 20, 2020)
	Adverse Effect was pu an opportunity to su comment period close publication in Append	blished in the <i>Banner C</i> bmit comments pursu ed 30 days later on Nov ix D, page D-101. No pu	nts of Section 106, a le Graphic on October 30, 2 ant to 36 CFR 800.2(d) vember 30, 2020. Refer blic comments were rec WA under Section 106 h	2020. The legal notice, 800.3(e), and 800. to the public notice eleved. The Section 10	e offered the public 6(a)(4). The public and the affidavit of
SECTION	I D – SECTION 4(f) RE	SOURCES/ SECTIO	N 6(f) RESOURCES		
Parks & O Public Public	f) Involvement (mark all ther Recreational Land ly owned park ly owned recreation area (school, state/national for		<u>Presence</u> ✓	Yes No ✓	
"D	rogrammatic Section 4(f)* De minimis" Impact* dividual Section 4(f)		Evaluations Prepared ✓	FHWA Approval date	
Nation Nation State \	Waterfowl Refuges al Wildlife Refuge al Natural Landmark Wildlife Area Nature Preserve		Presence	Yes No	
"D	ogrammatic Section 4(f)* e minimis" Impact* dividual Section 4(f)		Evaluations Prepared Presence	FHWA Approval date Use	
Historic P Sites e	roperties eligible and/or listed on th	e NRHP	<u>√</u>	Yes No	
This is p	age 20 of 38 name:	119	5 231 Road Rehabilitation	Date	: April 5, 2021

County	Putnam	_ Route _	US 231	Des. No.	1700121 & 2001579
			<u>Evaluations</u> <u>Prepared</u>		
"De m	ammatic Section 4(f)* ninimis" Impact* dual Section 4(f)		—	FHWA Approval date	

*FHWA approval of the environmental document also serves as approval of any Section 4f Programmatic and/or De minimis evaluation(s) discussed below.

Discuss Programmatic Section 4(f) and "de minimis" Section 4(f) impacts in the remarks box below. Individual Section 4(f) documentation must be separate Draft and Final documents. For further discussions on Programmatic, "de minimis" and Individual Section 4(f) evaluations please refer to the "Procedural Manual for the Preparation of Environmental Studies". Discuss proposed alternatives that satisfy the requirements of Section 4(f).

Remarks:

Section 4(f) Resources

Section 4(f) of the U.S. Department of Transportation Act of 1966 prohibits the use of certain public and historic lands for federally transportation facilities unless there is no feasible and prudent alternative. The law applies to significant publicly owned parks, recreational areas, wildlife/waterfowl refuges, and NRHP eligible or listed historic properties regardless of ownership. Lands subject to this law are considered Section 4(f) resources.

Per a desktop review, field visits conducted on August 10, 2018, April 19, 2019, and April 22, 2019 by RQAW, aerial map of the project area (Appendix B, pages B-4 to B-6), the infrastructure map in the RFI report (Appendix E, page E-14), and the APE maps in the 800.11 documentation (Appendix D, pages D-22 and D-23), there are 26 potential Section 4(f) resources located within the 0.50 mile search radius (five schools, six recreational facilities, 11 trail segments, one managed land, and three historic resources). Nine Section 4(f) resources are located within or adjacent to the project area:

- **DePauw University**: This is a school located adjacent to the project area.
- Robe Ann Park (IHSSI Number 133-250-69053): This a historic resource recommended eligible for the NRHP located adjacent to the project area. This is also a recreational facility and managed land.
- **Five planned trail segments**: These recreational features are planned and located within/adjacent to the project area.
- **Courthouse Square Historic District (NR-0656)**: This is a historic resource listed in the NRHP located within the project area.
- Eastern Enlargement Historic District (NR-2230): This is a historic resource listed in the NRHP located within the project area.

DePauw University: The main entrance to the school is located at the US 231/Anderson Street Intersection (Appendix B, page B-5). The school is on privately owned land; as such, DePauw University is not a Section 4(f) resource. There are stamped concrete pavers at the US 231/Andersen Street Intersection; the pavers will not be impacted. Access to DePauw University will be maintained during construction. An early coordination letter was sent to the university on March 13, 2020 (Appendix C, pages C-1 to C-3). The university did not respond to the early coordination letter. Section 4(f) analysis is not required.

A Memorandum of Understanding (MOU) regarding Section 4(f) was executed between FHWA, INDOT, and SHPO in June 2020. The MOU stipulates that FHWA intends to determine Section 4(f) *de minimis* use on historic properties for projects in which SHPO has concurred with a finding of *No Adverse Effect* or *No Historic Properties Affected*. As such, FHWA will not have to individually approve each Section 4(f) *de minimis* determination on historic properties through CE document review except in the case of National Historic Landmarks. Because this project will result in a *de minimis* finding for the Eastern Enlargement Historic District

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and because the SHPO concurred with the *No Adverse Effect* Section 106 finding, the MOU regarding Section 4(f) applies to this project.

Robe Ann Park (IHSSI # 133-250-69053): The park is along the east side of US 231 between Tennessee Street and Anderson Street and is located south of the Eastern Enlargement Historic District and east of Bloomington Street (Appendix B, page B-3 and Appendix D, pages D-22 and D-23). The park is publicly owned and managed by the City of Greencastle and is also recommended eligible for the NRHP. The approximately 35-acre park has entrances from US 231, Tennessee Street, Wood Street, and Anderson Street. The western half of the park includes numerous mature trees, concrete drives and walks, small stone pedestrian bridges, and a log cabin. The eastern half of the park includes a swimming pool, tennis courts, skate park, softball diamond, and playgrounds.

Recreational Impacts

Approximately 0.17 acre of temporary right-of-way will be needed from Robe Ann Park. A portion of the temporary right-of-way is along the western park boundary and the east side of US 231. Here, the temporary right-of-way will be needed for grading purposes to replace approximately 650 linear feet of the existing 3foot wide sidewalk. The existing sidewalk will be widened to 4 feet wide and upgraded to meet current ADA standards. The widened sidewalk will be within existing US 231 right-of-way. Up to three trees (one alive silver maple, one damaged elm, and one dead ash) will be removed within the temporary right-of-way and will not be replaced. Curb ramp work will also take place at the US 231/Tennessee Street Intersection. Here, temporary right-of-way will be needed to upgrade the curb ramp in the northeast quadrant of the intersection to meet current ADA standards. Temporary right-of-way is also needed at the US 231 entrance to the park which contains two approximately 3-foot wide sidewalks and two curb ramps (one north and south of the entrance drive) and mowed grass. Here, the temporary right-of-way is needed to replace both curb ramps and upgrade them to meet current ADA standards, replace the existing 3-foot wide sidewalk segments in-kind, connect both upgraded curb ramps to the sidewalks, and reconstruct the park access drive. Two stone columns are located just east of the US 231 entrance drive right-of-way limits and will not be impacted. Permanent right-of-way will not be needed from Robe Ann Park. Access to Robe Ann Park will be maintained during construction.

Because this project will require land from Robe Ann Park, a publicly owned Section 4(f) resource, coordination with the Official with Jurisdiction (OWJ) is required. The OWJ is the official(s) of an agency or agencies that own and/or administer the property in question and who are empowered to represent the agency on matters related to the property. For this project, the OWJ is the City of Greencastle Parks and Recreation Department.

The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) amendment to the Section 4(f) requirements allows the U.S. Department of Transportation to determine that certain uses of Section 4(f) land would not have an adverse effect on the protected resource. A *de minimis* impact involves the use of Section 4(f) property that is generally minor in nature. A *de minimis* impact is one that, after considering avoidance, minimization, mitigation, and enhancement measures, results in no adverse effect to the activities, features, or attributes qualifying the resource for protection under Section 4(f). Because the project will result in the removal of up to three trees and will not replace the trees, a *de minimis* finding is applicable. To make a *de minimis* finding, the FHWA must receive written concurrence from the OWJ agreeing with the below conditions:

1. The transportation use of the Section 4(f) property does not adversely affect the activities, features, and attributes that qualify Robe Ann Park for protection under Section 4(f).

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- 2. The public will be afforded an opportunity to review and comment on the effects of the project on Robe Ann Park via a public notice that will be published in a local newspaper. The public will be afforded 30 days to comment on the project.
- 3. The City of Greencastle, who has jurisdiction over Robe Ann Park, has been informed about the intent to have the FHWA make a *de minimis* finding.

In a letter dated August 24, 2020 and signed on August 31, 2020, the OWJ agreed with the above three conditions (Appendix H, pages H-20 to H-22). A legal notice offering the public an opportunity to submit comments on the *de minimis* finding was advertised in the *Banner Graphic* on September 25, 2020. The public was given 30 days to submit comments. No comments were received. Refer to the legal notice and legal notice affidavit in Appendix F, page F-5. FHWA's approval of this CE document constitutes approval of the *de minimis* finding.

Historic Impacts

Impacts along the western boundary are limited to the existing right-of-way and temporary right-of-way for sidewalk reconstruction and curb ramp modification. Permanent right-of-way will not be needed. The project will mill the pavement 2 inches in depth and overlay with a depth of 4 inches of pavement, replace the curb and gutters, modify curb ramps at the park entrance, reconstruct the deteriorated sidewalks, and remove three trees. The stone steps in front of the Caretaker's house will be salvaged and reset at their current location. The concrete steps leading into Robe Ann Park, and the dry-stacked stone retaining wall will be avoided. The concrete steps and dry-stacked stone retaining wall will be marked as *Do Not Disturb* on the design plans.

The project will temporarily occupy land from Robe Ann Park, a Section 4(f) historic resource. The temporary occupancy does not constitute a Section 4(f) use because all the below conditions listed in 23 CFR 774.13(d) are satisfied:

- 1. Duration must be temporary, i.e., less than the time needed for construction of the project, and there should be no change in ownership of the land;
- 2. Scope of the work must be minor, i.e., both the nature and the magnitude of the changes to the Section 4(f) property are minimal;
- 3. There are no anticipated permanent adverse physical impacts, nor will there be interference with the protected activities, features, or attributes of the property, on either a temporary or permanent basis:
- 4. The land being used must be fully restored, i.e., the property must be returned to a condition which is at least as good as that which existed prior to the project; and;
- 5. There must be documented agreement of the official(s) with jurisdiction over the Section 4(f) resource regarding the above conditions.

INDOT CRO determined the appropriate Section 106 finding is *No Adverse Effect*; the temporary occupancy will not constitute a Section 4(f) use for Robe Ann Park because all the above conditions listed in 23 CFR 774.13(d) are satisfied (Appendix D, pages D-1 to D-4). The Indiana SHPO is the OWJ for historic resources. In a letter dated November 20, 2020, the Indiana SHPO concurred with the *No Adverse Effect* Section 106 finding (Appendix D, pages D-102 to D-104). The FHWA's responsibilities under Section 4(f)have been satisfied for this historic property.

Five planned trail segments:

1. **L&R Railroad Trail**: This planned segment is currently within a railroad bed on privately owned land (Appendix B, page B-4). The segment is outside construction limits for the project.

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- 2. Shadowlawn Path (Jackson Street to Greencastle/Fillmore segment): This planned segment is currently within a maintained lawn adjacent to US 231 and along the south side of Shadowlawn Avenue on land owned by the City of Greencastle (Appendix B, page B-4). The segment is within construction limits in order to replace pavement at full depth.
- 3. **Downtown University (North/South Downtown Connector segment)**: This planned segment is along the south side of US 231 between Jackson Street and Locust Street on land owned by the City of Greencastle (Appendix B, page B-4). The segment is currently a widened sidewalk for store access south of US 231 between Jackson Street and Vine Street and a narrower sidewalk south of US 231 between Vine Street and Locust Street. The segment is within construction limits in order to replace and relocated the underground waterline.
- 4. **Downtown University (Robe Ann Park/DePauw University segment)**: This planned segment is adjacent to US 231 and along the south side of Hanna Street (northwest of Robe Ann Park) on privately owned land (Appendix B, page B-5). The segment is currently an existing sidewalk. The segment is within construction limits in order to mill and resurface the pavement.
- 5. Campus Link Trail (Zinc Mill Apartments to US 231 segment): This planned segment is adjacent to the south side of SR 240 and currently within a maintained lawn on land owned by the City of Greencastle (Appendix B, page B-6). The segment is within construction limits in order to mill and resurface the pavement. Per the Greencastle Parks and Recreation Master Plan, there appears to be funding for this trail through INDOT TEA-21 TE grant. Land where trail would extend is outside the project area.

The project will not alter the project area to prevent any of these planned trails from being constructed in the future. In an e-mail dated July 22, 2020, INDOT Environmental Services Division concurred there would not be a Section 4(f) use of the five planned trails (Appendix H, pages H-17 to H-19). An early coordination letter was sent to Peoples Pathways, the managing entity of the five planned trails, on March 13, 2020 (Appendix C, pages C-1 to C-3). People Pathways did not respond to early coordination letter.

Courthouse Square Historic District (NR-0656): The historic district is located around the Putnam County Courthouse roughly bounded by Franklin Street to the north, College Avenue to the east, Walnut Street to the south, and Market Street to the west (Appendix B, page B-3 and Appendix D, pages D-22 and D-23). The historic district was listed in the NRHP in 1984 under Criteria A and C in the areas of community planning and development and architecture.

Impacts will be primarily limited to the existing right-of-way. Minor amounts of temporary right-of-way are anticipated from the historic district for curb and gutter replacement and curb ramp modification. The project will replace the pavement in full depth, replace the curb and gutters at current locations, replace the storm sewer and install new inlets, replace drive entrances, modify curb ramps that do not meet current ADA standards, and replace trees within the sidewalk tree grates. The project will maintain the short retaining wall around the courthouse while replacing the curb and gutter, removing the crosswalks in the center blocks of Jackson Street and Washington Street, providing ADA-compliant access to the courthouse via the middle of Indiana Street block with an ADA-compliant crosswalk at the Washington Street/Indiana Street Intersection, and replacing concrete pavers with matching or similar pavers in the same locations. The ornamental lights and other landscape amenities such as benches, planters, and trash receptacles around the courthouse square and along Washington Street are anticipated to be salvaged and reset following construction or provided to the City for relocation.

The project will temporarily occupy land from the Courthouse Historic District, a Section 4(f) historic resource. The temporary occupancy does not constitute a Section 4(f) use because all the above conditions listed in 23 CFR 774.13(d) are satisfied (as discussed in the Robe Ann Park discussion).

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INDOT CRO determined the appropriate Section 106 finding is *No Adverse Effect*; the temporary occupancy will not constitute a Section 4(f) use for the Courthouse Historic District because all the above conditions listed in 23 CFR 774.13(d) are satisfied (Appendix D, pages D-1 to D-4). In a letter dated November 20, 2020, the Indiana SHPO concurred with the *No Adverse Effect* Section 106 finding and temporary occupancy determination (Appendix D, pages D-102 to D-104). The FHWA's responsibilities under Section 4(f)have been satisfied for this historic property.

Eastern Enlargement Historic District (NR-2230): The historic district is roughly bounded by East Franklin Street to the north, Wood Street to the east, rear parcel lines of properties on the south side of Anderson Street to the south, and College Street to the west (Appendix B, page B-3 and Appendix D, pages D-22 and D-23). The historic district was listed in the NRHP in 2011 under Criteria A and C in the areas of community planning and development and architecture.

Impacts will be primarily limited to the existing right-of-way. Minor amounts of temporary and permanent right-of-way are anticipated from the historic district for curb ramp modification and driveway approach reconstruction. Along Bloomington Street, the project will mill the pavement 2 inches in depth and overlay with a depth of 4 inches of pavement, reconstruct drive approaches, replace the curb, modify curb ramps, and remove trees within the grass buffer along Bloomington Street that would not likely survive curb replacement. The stamped concrete at the US 231/Anderson Street Intersection will be avoided. Along Bloomington Street, drainage structures will not be impacted except to adjust casting elevations. The concrete steps in the southeast quadrant of the Bloomington Street/Washington Street Intersection may be replaced in-kind. The stone sidewalk above the steps will not be impacted. Along Washington Street, the project will replace the pavement in full depth, reconstruct drive approaches, replace the curb and gutters at current locations, replace the storm sewer and install new inlets, modify curb ramps that do not meet current ADA standards, and move the water line out of the roadway. The project will replace sidewalk and trees inkind as needed to move the water line out of the roadway (location to be determined). The stone drainage structure below Washington Street, east of Locust Street, is anticipated to be avoided, if possible. Mitigation efforts will commence if the structure is encountered during construction. Refer to Summary of Consulting Parties and Public Views of the 800.11 documentation for more information.

The project will permanently convert land from the Eastern Enlargement Historic District, a Section 4(f) historic resource, to a transportation use. INDOT CRO determined the appropriate Section 106 finding is *No Adverse Effect*; therefore, FHWA intends to issue a *de minimis* finding for the Eastern Enlargement Historic District pursuant to SAFETEA-LU (Appendix D, pages D-1 to D-4). In a letter dated November 20, 2020, the Indiana SHPO concurred with the *No Adverse Effect* Section 106 and *de minimis* findings (Appendix D, pages D-102 to D-104). A legal notice offering the public an opportunity to submit comments on the *de minimis* finding was advertised in the *Banner Graphic* on October 30, 2020. The public was given 30 days to submit comments. No comments were received. See the legal notice and legal notice affidavit in Appendix D, page D-101. The FHWA's responsibilities under Section 4(f)have been satisfied for this historic property.

Section 6(f) Involvement	<u>Presence</u>	<u>Us</u>	<u>е</u>
		Yes	No
Section 6(f) Property	✓		✓

Discuss proposed alternatives that satisfy the requirements of Section 6(f). Discuss any Section 6(f) involvement.

Remarks:

Section 6(f) Resources

The U.S. Land and Water Conservation Fund Act of 1965 established the Land and Water Conservation Fund (LWCF), which was created to preserve, develop and assure accessibility to outdoor recreation resources. Section 6(f) of this Act prohibits conversion of lands purchased with LWCF monies to a non-recreation use.

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	2020, there are 14 LV		st provide by the IDNR D Putnam County (Append , page B-3).		
	(Appendix C, pages C- Outdoor Recreation s right-of-way is neede 21 to C-24). Approximals permanent right-of-v	of to C-3). In their early stated if there is no to do to the do the d	the IDNR Division of Oy coordination response aking of property [perm Section 6(f)3 conversion emporary right-of-way from Robe Ann Park. A ection D – Section 4(f) Response to the section A for the section B – Section	e, dated May 5, 2020, to nanent right-of-way] a n of Robe Ann Park (Al will be needed from I access to Robe Ann P	he IDNR Division of nd only temporary opendix C, pages C- Robe Ann Park. No ark will always be
An early coordination letter was sent to the National Park Service on March 13, 2020 (Appendix C, parto C-3). In their early coordination letter response, dated April 28, 2020, the National Park Service as verification the five trail segments identified in the Red Flag Investigation were not funded with Flag monies (i.e. LWCF) or similar grants. If Federal monies were used or plan to be used on these to segments of trails, then additional follow up may be necessary. The National Park Service also note Robe Ann Park may have had federal dollars used during its development, but the project is unlikely to an impact on the park itself (Appendix C, page C-25). In an e-mail dated September 29, 2020, the IDNR C of Outdoor Recreation confirmed the five trail segments were not funded with LWCF funding (Appendix C-21 to C-24). Impacts are not expected.					
SECTION	E – Air Quality				
Air	Quality				
Co Is t	Informity Status of the the project in an air quality ES, then: Is the project in the most Is the project exempt frought If the project is NOT ex Is the project in the	ty non-attainment or m st current MPO TIP? om conformity?	then:	Yes No V	
Le	vel of MSAT Analysis red	quired?			
Le	vel 1a ✓ Level 1b	Level 2	Level 4	Level 5	
Remarks:	STIP/TIP The project is include (Appendix G, page G-		24 INDOT Statewide Tra	nsportation Improvem	nent Program (STIP)
	of Air Quality websit Green Book (https://v	e (https://www.in.go	ently in attainment for v/idem/airquality/files/iook), both accessed on a do not apply.	nonattainment areas	map.pdf) and EPA

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County	Putnam	Route	US 231	Des. No.	1700121 & 2001579
	1	qualifying as a cat	egorical exclusion (Group der 40 CFR 93.126, and as		
SECTION	F - NOISE				
Noise Is a noise a	nalysis required in accordar				∕es No ✓
ES Review	of Noise Analysis	No Yes/ D	ate		
Remarks:			lance with 23 CFR 772 a quire a formal noise analy		Traffic Noise
SECTION	G - COMMUNITY IMPA	СТЅ			
Will the pro Will constru Does the co If No, a	posed action result in substate posed action result in substate posed action result in substate to activities impact commonmunity have an approved resteps being made to advate to activities to activities to activities to activities	antial impacts to lo nunity events (fest transition plan? ance the communi	ocal tax base or property vivals, fairs, etc.)? ty's transition plan?	alues?	✓ ✓ ✓
Remarks:	anticipated to result in s properties within the ar- current ADA criteria will surrounding community of	with the local/resubstantial impaces or divide existences cohesion or cause negative	Factors egional development pat ts to community cohesio cing communities. Replac n. The proposed project is economic impacts to the so the community or local	on because it will not ing sidewalks and cu s not expected to neg surrounding area. The	change access to rb ramps to meet atively impact the
	construction. Per the Fai 2020 by RQAW, two fair (project area). These, or	rs and Festivals vers or festivals are any future fairs/f	project area. Access to a website (www.fairsand fe currently scheduled with estivals that may be plande detour during construct	stivals.net), accessed hin a 10-mile radius ned, are unlikely to b	on November 23, of zip code 46135
	regarding any DePauw Ur due to the football seaso	niversity events, d n, first Friday of t	schedule with the City of lelayed school start on Mo he month courthouse squ n. This will be reflected in	ondays, heavier vehicl are events, and increa	e traffic on Fridays ased use of US 231
This is pa	age 27 of 38 ame:		US 231 Road Rehabilitation	Date:	April 5, 2021

	Indiana Department of Transportation							
County	Putnam	Route	US 231	Des. No.	1700	0121 & 2001579		
	ADA-Transition-Plan- approved ADA Transi	ncastle, Indiana websito scan1.pdf), accessed or tion Plan, dated 2012. T d curb ramps that do no	n November 30, 2020 The project will comply	by RQAW, the City owith the ADA Transit	of Greend	astle has an		
	d Cumulative Impacts posed action result in su	ıbstantial indirect or cun	nulative impacts?		Yes	No ✓		
Remarks:	are still reasonably fo to induced changes in the environment whi and reasonably fores	tive Impacts effects caused by the a reseeable. Indirect effe the pattern of land us ch result from the incre eeable future actions re	cts may include growth e, population density, emental impact of the a egardless of what agen	n inducing effects and or growth rate. Cum action when added t acy or person underta	d other ef ulative in o other p akes such	fects related npacts affect ast, present, actions.		
	within the project ar cohesion. The project	The improvement of the ea. Replacing sidewalk is not expected to incred to capacity to the existing the existing to the existing the ex	s and curb ramps to rease development in th	neet current ADA st ne area beyond what	andards may alrea	will increase ady planned.		
Will the pro private utilit	ilities & Services posed action result in suites, emergency services facilities? Discuss how	s, religious institutions, a	airports, public transpor	tation or pedestrian	Yes	No ✓		
Remarks:	the project area (App page E-14), there are four cemeteries, five public facilities are recreational facility, f to be any hospitals of	Services , field visits conducted pendix B, pages B-3 to 46 public facilities and schools, six recreational located within or adjuive trail segments, and the public transportations are Greencastle Police Deep 1.	B-6), and the infrastru services located within al facilities, 11 trail segu acent to the project two pipeline segments stations located within	ncture map in the RF of the 0.50 mile search ments, and six pipelicarea (three church). Per Google Maps, to the 0.50 mile search	I report of the radius (The segment of the segment	(Appendix E, 14 churches, ents). Twelve school, one s not appear		
	York Street Intersect from the Greencastle construction. The	ion (Appendix B, page Police Department. Ac Greencastle Fire Depa Intersection. Impacts	B-4). Permanent or te ccess to the police dep rtment is located or	mporary right-of-wa artment will always utside the project	ay will no be maint area at	t be needed ained during the Poplar		
	to the project area (A US 231 between Colle from Saint Paul the A Anderson Street and Andrew's Episcopal C	e Church, Saint Andrew' Appendix B, pages B-4 a ege Avenue and Spring postle Church. Saint And Seminary Street. Perm Church. Cornerstone Ba Street (just south of Sa	nd B-5). Saint Paul the Street. Permanent or t drew's Episcopal Churc anent or temporary ri ptist Church is along th	Apostle Church is all emporary right-of-whis along the west singht-of-way will not be west side of US 23	long the s ray will no de of US 2 de neede 31 betwee	south side of of the needed 231 between d from Saint en Anderson		
This is pa	age 28 of 38 ame:	U	S 231 Road Rehabilitatio	n Da	ate:	April 5, 2021		

	Indiana Department of Transportation						
County	Putnam	Route	US 231	Des. No.	1700121 & 2001579		
	of-way will not be need during construction. E pages C-1 to C-3). Non	arly coordination lette	ers were sent to eacl	h church on March 13	•		
	The main entrance to DePauw University is located at the US 231/Anderson Street Intersection (Appendix B, page B-5). There are stamped concrete pavers at the US 231/Andersen Street Intersection; the pavers will not be impacted. An early coordination letter was sent to the university on March 13, 2020 (Appendix C, pages C-1 to C-3). The university did not respond to the early coordination letter. RQAW will coordinate the construction schedule with the City of Greencastle and other stakeholders regarding any DePauw University events. This will be reflected in the Unique Special Provisions for the contract.						
	Robe Ann Park is adjadiscussion.	acent to the project a	rea. Refer to <i>Section</i>	D – Section 4(f) Resc	ources for a detailed		
	Five trail segments, or D – Section 4(f) Resour	•		• •			
	Two pipeline segments runs parallel with the area. Utility coordination	Washington Street (L	JS 231) portion and o				
	The Putnam County A the INDOT Office of A Aviation early coordin will exceed 100 feet in the project will not invis not needed.	viation on March 13, ation response e-mail, height, further coordir	2020 (Appendix C, p dated March 16, 202 nation will be required	pages C-1 to C-3). Per 20, if any object, obstru d (Appendix C, page C-1	the INDOT Office of action, or equipment 17). Per the designer,		
	An underground publi railroad crossing throu impacted due to its re	gh the downtown area	a. Per the designer, the	e public water utility lin	ne will be temporarily		
	Early Coordination Early coordination lett Commissioners, Putna Mayor's Office, City of Pathways on March 13 coordination letter.	m County Surveyor's C Greencastle Departm	Office, Putnam County ent of Public Works, (y Highway Department City of Greencastle Par	t, City of Greencastle rk Board, and People		
	It is the responsibility two weeks prior to an Paul the Apostle Chur to any construction th	y construction that wo ch, and Saint Andrew's	uld block or limits acc s Episcopal Church wi	cess. The Cornerstone	Baptist Church, Saint		
During the Does the p If YES, the		ct were EJ issues ident vsis?		- -	Yes No		
	any EJ populations located he project result in advers			opulations?			

US 231 Road Rehabilitation

Date:

April 5, 2021

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County	Putnam	Ro	oute		JS 231		Des.	No.	1700121	& 200157
Remarks:	Environmental Ju	ıstice								
	Under FHWA Ord		HWA and	INDOT as	a recinie	ent of fu	nding from	n FHWA	are respor	sible to
	ensure that their				-		_		-	
	on minority or lo					-	-			
	Analysis is requir									
	right-of-way. Thi								-	
	additional perma									4010 01
Relocation	n of People, Busine	sses or Farms						V.		
	pposed action result			husiness	es or farm	197		16	es No)
	ess Information Surv			, business	os or larri	10:			$\dashv \vdash$	/
	ptual Stage Relocati			l?						/
Has utility ı	relocation coordination	on been initiate	d for this pr	oject?				٧		
Number of	relocations: R	ooidonooo:	0 Pu	sinesses:	0	Forms:	0	Othor	0	
Nullibel Of	relocations. R	esidences:	<u>0</u> Bu:	sinesses.	0	Farms:	0	Other:	0	
	SRS is required, disc									
Remarks:	Relocation of Per			_	ا امر مدا		_f. -:-			
	No relocations of	people, busine	esses, or ta	rms will ta	ке ріасе	oecause	of this pro	gect.		
	Utilities									
	Several utilities	are present v	within the	project	area (e.a	g. gas li	nes. unde	erground	electric f	acilities.
		-				_		_		
	_	aboveground electric poles, underground communication lines), some of which will be temporarily impacted for relocation. An underground public water utility line is located below the roadway pavement from south								
		of the at-grade railroad crossing through the downtown area. Per the designer, the public water utility line								
	will be temporar	_	-				_	-		-
	for the project ar		,	•			•			
SECTION	I H – HAZARDOU	S MATERIAL	S & REGI	ULATED	SUBST	ANCES				
						_				
Hazardous	s Materials & Regul	ated Substanc	es (Mark a	all that app	lv)	Doc	umentati	<u>on</u>		
	nvestigation		(.,		✓			
	nvironmental Site Ass	sessment (Phas	se I ESA)							
	nvironmental Site As						✓			
Design/Spe	ecifications for Reme	ediation required	d?							
		No	Yes/ Da	ate						
ES Reviev	v of Investigations			30, 2019						
	and the state of t		·							
<i>ciude a sun</i> Remarks:	nmary of findings for Hazardous Mate	•		ancoc						
rtemarks.	Per review of geo				nd availa	الطييم ماط	c rocordo	a DEL ron	oort was a	nnroyad
	_		-			-		-	-	
	by INDOT Site As		_	_				_		-
	hazardous mater									
	and Recovery Act				-		_	_		
	Voluntary Remed	_		_	_	_				
	Station, six Brow		three Inst	titutional	Controls	sites, a	nd six Na	ational Po	ollutant Di	ischarge
	Elimination [NPD	ESJ Facilities).								
	age 30 of 38			110 224 5	abatan			Б.		UE 2021
Project r	name:			US 231 Roa	id Kehabili	tation		Date:	Apr	il 5, 2021

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There are four RCRA Generator sites located within the 0.50 mile search radius. Per the approved RFI, the project will not impact any RCRA site (Appendix E, page E-5).

There are four State Cleanup sites located within the 0.50 mile search radius. Per the approved RFI, three State Cleanup sites could impact the project (Appendix E, pages E-6 and E-7).

- 1. Branagin Oil Company Incorporated (600 North Indiana Street, Agency Interest [AI] Number 59881) is located approximately 0.03 mile east of the project area along Shadowlawn Avenue. This site is also a mapped UST. The site is a former bulk petroleum storage facility. Multiple releases and clean-up activities have occurred at the site; however, the most recent occurred in 1992 and involved a release of approximately 4,700 gallons of diesel fuel. It does not appear as though the incident has received closure and there appears to have been a seasonal groundwater flow northwest towards the project area. A Phase II Environmental Site Assessment (ESA), which includes the analysis for lead, is recommended.
- 2. DePauw University Site (302 Washington Street, AI Number 60825) is located adjacent to the project area in the southeast quadrant of the US 231 (Washington Street)/Spring Street Intersection. The site is a former gas station that operated between 1936 and 1975. Petroleum contamination was encountered during redevelopment activities completed in 1999. The impacts were encountered in the vicinity of the former UST cavity and it appears as though approximately 120 yards of impacted soil was removed from the site. It does not appear as though the extent of contamination has been determined. A Phase II ESA, which includes the analysis for lead, is recommended.
- 3. Castle Tire (506 South Bloomington Street, AI Number 60874) is in the northwest quadrant of the US 231 (Bloomington Street)/Block Avenue Intersection. The site is an active automotive service facility. IDEM issued a Completion of Independent Closure Process determination for the site on July 5, 2013. Low level soil and groundwater contamination appears to remain on-site in the vicinity of the 2003 excavation. A Phase II ESA, which includes the analysis for lead, is recommended.

There are 14 USTs located within the 0.50 mile search radius. Per the approved RFI, three USTs could impact the project (Appendix E, page E-6).

- 1. Jack Bumgardner/Reece Oil (202 North Jackson Street, AI Number 59382) is in the northwest quadrant of the US 231 (Jackson Street)/Columbia Street Intersection. The site appears to have been a former gas station. Per the IDEM Virtual File Cabinet (VFC), three USTs were removed from the site in December 1988. A Phase II ESA, which includes the analysis for lead, is recommended.
- 2. Putnam Motor Incorporated (118 North Indiana Street, AI Number 59064) is in the southwest quadrant of the Indiana Street/Columbia Street Intersection. Per the IDEM VFC, a UST is located within City right-of-way and records indicate that the UST was filled with an inert material and removed from service in December 1988. A Phase II ESA, which includes the analysis for lead, is recommended.
- 3. Michael D. Baker (416 South Bloomington Street, AI Number 60299) is located adjacent to the project area, south of the Maple Avenue/US 231 (Bloomington Street) Intersection. The site may have been a former gas station pre-1980. Per the IDEM VFC, four steel USTs, which were installed in 1954, were filled in-place in September 1978. No other investigation has ever been conducted on this property. A Phase II ESA, including sampling for lead, is recommended.

There is one Voluntary Remediation Program site located within the 0.50 mile search radius. Per the approved RFI, the Voluntary Remediation Program site could impact the project (Appendix E, page E-7).

Kri, the voluntary Kemedia	ation Program site could impact the project (Appe	muix L, page L-7)	•
nis is page 31 of 38 roject name:	US 231 Road Rehabilitation	Date: _	April 5, 2021
	Form Version: June 2013 Attachment 2		

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 Indiana Gas Company Incorporated (AI Number 61214) is in the southwest quadrant of the US 231 (Bloomington Street)/SR 240 Intersection. The site is also a mapped Institutional Controls site. Low levels of soil and groundwater contamination remain on the site. An Environmental Restrictive Covenant (ERC) was recorded on the property on December 14, 2006. Lead concentrations for the site are above the RCRA 20x rule. A Phase II ESA, including sampling for lead, is recommended. Coordination will be conducted with IDEM before further site activities occur.

There are 15 LUSTs located within the 0.50 mile search radius. Per the approved RFI, six LUSTs could impact the project (Appendix E, pages E-7 and E-8).

- Greencastle Shell (701 North Jackson Street, AI Number 60004) is in the northeast quadrant of the US 231/New York Street Intersection. The site is an active gas station. Petroleum contamination remains in the soil and groundwater and extends off-site beneath US 231 (Jackson Street). If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater will be necessary.
- 2. James Watson (610 North Jackson Street, Al Number 60534) is in the northwest quadrant of the US 231 (Jackson Street)/New York Street Intersection. The site is an active laundromat and possibly the location of a former automotive repair shop. Per the IDEM VFC, a release (possibly gasoline) was reported to IDEM in December 1990 following UST removal activities. The IDEM issued an Initial Site Characterization Request, dated October 20, 2006, requesting a subsurface investigation be performed. No investigation has been conducted on this property. A Phase II ESA is recommended. 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 completed by an Indiana Licensed Well Driller in accordance with IAC 312-13-10. 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.
- 3. HP #6/Jackson Street Marathon (405 North Jackson Street, AI Number 59991) is in the northeast quadrant of the US 231 (Jackson Street)/Jacob Street Intersection. The site is an active gas station. This site is also a mapped Institutional Controls Site. Per the IDEM VFC, multiple releases have occurred at this site. IDEM issued a No Further Action Determination Pursuant to RISC Guidance on October 25, 2006, following the recording of an ERC on the deed of the property. Residual contamination remains on-site and likely extends into the right-of-way of US 231 (Jackson Street). If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper removal and disposal of soil and/or groundwater may be necessary. Coordination will be conducted with IDEM before further site activities occur.
- 4. Query's 66 Service (306 East Washington Street, AI Number 59014) is in the southwest quadrant of the US 231 (Washington Street)/Locus Street Intersection. The site is a former gas station. Per the VFC, IDEM issued an NFA Determination for the site on September 28, 2007. Per the letter, residual contamination remains at the site. If excavation occurs in this area, it is possible that petroleum contamination will be encountered. Proper removal and disposal of soil and/or groundwater may be necessary.
- 5. Clark Oil & Refining #0894 (404 East Washington Street, Al Number 58654) is in the southeast quadrant of the US 231 (Washington Street)/Locust Street Intersection. The site is a former gas

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station. The site is also a mapped Institutional Controls site. Per the IDEM VFC, an NFA Determination Pursuant to Remediation Closure Guide, issued by IDEM on December 14, 2018, contamination remains in the area surrounding the site. An ERC was placed on the property on November 13, 2018. Groundwater flow in the area is to the north. Groundwater depths range from between approximately 5 to 21 feet bgs. Due to the presence of residual petroleum contamination, if excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper removal, transport, and disposal of soil and/or groundwater will be necessary. Coordination will be conducted with IDEM before further site activities occur.

6. Greencastle Wash & Fill (705 South Bloomington Street, Al Number 59022) is in the northeast quadrant of the US 231 (Bloomington Street)/SR 240 Intersection. The site is an active gas station. Per the IDEM VFC, IDEM issued an NFA for the site on May 19, 1999; however, the remaining contamination at the site was never delineated or investigated. A Phase II ESA is recommended.

There is one Waste Transfer Station site located within the 0.50 mile search radius. Per the approved RFI, the Waste Transfer Station site will not impact the project (Appendix E, page E-8).

There are six Brownfield sites located within the 0.50 mile search radius. Per the approved RFI, two Brownfield sites could impact the project (Appendix E, page E-8).

- 1. Beck's Produce Stand 4050017 (431 Bloomington Street, AI Number 61504), also listed as Clearwater Garden 4070453 (Tennessee Street and US 231, AI Number 61111), is in the northeast quadrant of the US 231 (Bloomington Street)/Tennessee Street Intersection. The site is a former gas station and has been used primarily as a flower and vegetable stand since. There is residual petroleum related contamination in the soil near the northeast portion of the property. Per correspondence, dated February 13, 2006, it was stated that a Phase II will need to be conducted prior to selling the property. However, the IDEM VFC did not contain any information regarding a Phase II or the current site conditions. A Phase II ESA, including sampling for lead, is recommended. Coordination will be conducted with IDEM before further site activities occur.
- 2. Harding Radiator Shop 4110905 (406 Maple Avenue, Al Number 103560) is adjacent to the project area, west of the US 231 (Bloomington Street)/Maple Street Intersection. The site is a former auto repair shop. No investigation has been conducted on this property. A Phase II ESA is recommended.

There are three Institutional Controls sites located within the 0.50 mile search radius. Per the approved RFI, the project may impact all three Institutional Controls sites (Appendix E, pages E-8 and E-9). See previous discussions on HP #6 Jackson Street Marathon (405 North Jackson Street, AI Number 59991), Clark Oil & Refining #0894 (404 East Washington Street, AI Number 58654), and Indiana Gas Company Incorporated (AI Number 61214).

There are six NPDES Facilities located within the 0.50 mile search radius. Per the approved RFI, the project will not impact any NPDES Facilities (Appendix E, page E-9).

There are several monitoring wells documented in the design plans. As such, a commitment regarding construction activities and monitoring wells is included in the *Environmental Commitments* section of this CE document.

An additional search of GIS and available public records conducted by RQAW on December 8, 2020 did not indicate any additional hazardous material concerns within the 0.50 mile search radius.

indicate any additional na-	zaruous material concerns within the 0.50 mile se	arcii raulus.	
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nis is page 33 of 38	US 231 Road Rehabilitation	Data	Amril E 2021
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SECTION	I – PERMITS CHECK	KLIST			
Permits (m	ark all that apply)		Likely Required		
Ind Nar Reg Pre Oth We Str IDEM Sec Iso Rui Oth We Str IDNR Col Nar Lak Oth Mit US Coast (etland Mitigation required eam Mitigation required ction 401 WQC lated Wetlands determinates the 5 her etland Mitigation required eam Mitigation required enstruction in a Floodway vigable Waterway Permit se Preservation Permit	RGP) on (PCN) I nation t			
Remarks:	Permits The total area of land more of land disturbate Per the IDNR Division will not require form	disturbance is appr nce, an IDEM Rule 5 of Fish and Wildlife nal approval for con	oximately 10.5 acres. Beca Notice of Intent will be re early coordination respon struction in a floodway u , an IDNR Construction in a	quired. se letter, dated April inder the Flood Con	9, 2020, the project trol Act, IC 14-28-1
	in the <i>Environmental</i> conditions of the peri	Commitments secti mit will be requireme	the IDNR Division of Fish a on of this CE document. I ents of the project and will o identify and obtain all re	f a permit is found t supersede these red	o be necessary, the
SECTION	J- ENVIRONMENTA	L COMMITMENTS			
	and indicating which a Firm Commitments 1. If the scope Environment immediately 2. It is the respect to the second at least two	re firm and which are e of work or perm tal Services Division . (INDOT Environme onsibility of the pro	I commitments, name of age for further consideration. anent or temporary right and the INDOT District Ental Services Division) iect sponsor to notify schooly construction activity the	The commitments shall be a shall	change, the INDOT in will be contacted emergency services
This is pa	age 34 of 38		US 231 Road Rehabilitation	Dat	e: April 5, 2021

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- The Cornerstone Baptist Church, Saint Paul the Apostle Church, and Saint Andrew's Episcopal Church
 will be notified at least two weeks prior to any construction that would block or limit access. (INDOT
 Environmental Services Division)
- 4. Access to Robe Ann Park will always be maintained during construction. (INDOT Environmental Services Division)
- 5. If any object, obstruction, or equipment will exceed 100 feet in height, further coordination with the INDOT Office of Aviation will be required due to the proximity of Putnam County Airport (INDOT Office of Aviation)
- 6. Within Robe Ann Park, the stone steps in front of the Caretaker's house will be salvaged and reset at their current location. (INDOT Cultural Resources Office)
- 7. There is a stone drainage structure within the Eastern Enlargement Historic District. If the stone drainage structure becomes visible during excavation, INDOT will implement a Unique Special Provision (USP) in the bid documentation to cover the historic documentation by a qualified historian. The documentation will include photographing as much of the exterior and/or interior of the drainage structure, sketching the location of the drainage structure on a plan, and measuring/sketching the cross section of the exterior and interior of the drainage structure. Three copies of each of these items (photographs, location plan, cross section sketch, and dimensions) will be recorded on archival gold CDs or DVDs. The archival gold CDs or DVDs will be presented to the Indiana SHPO, the Indiana State Archives, and one or more Putnam County public or not-for-profit entities that are willing to retain the CD or DVD indefinitely for the benefit of researchers. (Indiana SHPO)
- 8. RQAW will coordinate the construction schedule with the City of Greencastle and other stakeholders regarding any DePauw University events, delayed school start on Mondays, heavier vehicle traffic on Fridays due to the football season, first Friday of the month courthouse square events, and increased use of US 231 by farm equipment during harvest season. This will be reflected in the Unique Special Provisions for the contract. (INDOT Environmental Services Division)
- 9. 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 completed by an Indiana Licensed Well Driller in accordance with IAC 312-13-10. 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. (INDOT Environmental Services Division)
- 10. A State Cleanup/UST site (Branagin Oil Company Incorporated, 600 North Indiana Street, AI Number 59881), is located within the project area. A Phase II ESA, which includes the analysis for lead, is recommended prior to letting. (INDOT Site Assessment & Management)
- A State Cleanup site (DePauw University Site, 302 Washington Street, AI Number 60825) is located within the project area. A Phase II ESA, which includes the analysis for lead, is recommended prior to letting. (INDOT Site Assessment & Management)
- 12. A State Cleanup site (Castle Tire, 506 South Bloomington Street, AI Number 60874) is located within the project area. A Phase II ESA, which includes the analysis for lead, is recommended prior to letting. (INDOT Site Assessment & Management)
- 13. A UST site (Jack Bumgardner/Reece Oil, 202 North Jackson Street, Al Number 59382) is located within the project area. A Phase II ESA, which includes the analysis for lead, is recommended prior to letting. (INDOT Site Assessment & Management)

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- 14. A UST site (Putnam Motor Incorporated, 118 North Indiana Street, Al Number 59064) is located within the project area. A Phase II ESA, which includes the analysis for lead, is recommended prior to letting. (INDOT Site Assessment & Management)
- 15. A UST site (Michael D. Baker, 416 South Bloomington Street, AI Number 60299) is located within the project area. A Phase II ESA, including sampling for lead, is recommended prior to letting. (INDOT Site Assessment & Management)
- 16. A Voluntary Remediation Program/Institutional Controls site (Indiana Gas Company Incorporated, AI Number 61214) is within the project area. A Phase II ESA, including sampling for lead, is recommended prior to letting. Coordination will be conducted with IDEM prior to letting. (INDOT Site Assessment & Management)
- 17. A LUST site (Greencastle Shell, 701 North Jackson Street, Al Number 60004) is within the project area. If excavation occurs in this area, proper handling, removal, and disposal of soil and/or groundwater will be necessary. (INDOT Site Assessment& Management)
- 18. A LUST site (James Watson, 610 North Jackson Street, AI Number 60534) is within the project area. A Phase II ESA is recommended prior to letting. (INDOT Site Assessment & Management)
- 19. A LUST/Institutional Controls site (HP #6/Jackson Street Marathon, 405 North Jackson Street, Al Number 59991) is within the project area. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper removal and disposal of soil and/or groundwater may be necessary. Coordination will be conducted with IDEM prior to letting. (INDOT Site Assessment & Management)
- 20. A LUST site (Query's 66 Service, 306 East Washington Street, AI Number 59014) is within the project area. If excavation occurs in this area, it is possible that petroleum contamination will be encountered. Proper removal and disposal of soil and/or groundwater may be necessary. (INDOT Site Assessment & Management)
- 21. A LUST/Institutional Controls site (Clark Oil & Refining #0894, 404 East Washington Street, AI Number 58654) is within the project area. Due to the presence of residual petroleum contamination, if excavation occurs in this area, it is likely that petroleum contamination will be encountered. Proper removal, transport, and disposal of soil and/or groundwater will be necessary. Coordination will be conducted with IDEM prior to letting. (INDOT Site Assessment & Management)
- 22. A LUST site (Greencastle Wash & Fill, 705 South Bloomington Street, AI Number 59022) is within the project area. A Phase II ESA is recommended prior to letting. (INDOT Site Assessment & Management)
- 23. A Brownfields site (Beck's Produce Stand 4050017, 431 Bloomington Street, AI Number 61504—also listed as Clearwater Garden 4070453, Tennessee Street and US 231, AI Number 61111) is within the project area. A Phase II ESA, including sampling for lead, is recommended prior to letting. Coordination will be conducted with IDEM prior to letting. (INDOT Site Assessment & Management)
- 24. A Brownfields site (Harding Radiator Shop 4110905, 406 Maple Avenue, Al Number 103560) is within the project area. A Phase II ESA is recommended prior to letting. (INDOT Site Assessment & Management)
- 25. 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. (USFWS)
- 26. Hibernacula AMM 1: For projects located within karst areas, on-site personnel will use best management practices, secondary containment measures, or other standard spill prevention and countermeasures to avoid impacts to possible hibernacula. Where practicable, a 300 foot buffer will be employed to separate fueling areas and other major containment risk activities from caves, sinkholes, losing streams, and springs in karst topography. (USFWS)
- 27. Lighting AMM 1: Direct temporary lighting away from suitable habitat during the active season. (USFWS)

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- 28. Tree Removal AMM 1: Modify all phases/aspects of the project (e.g., temporary work areas, alignments) to avoid tree removal. (USFWS)
- 29. 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 no bats observed. (USFWS and IDNR)
- 30. 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)
- 31. 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)
- 32. The concrete steps leading into Robe Ann Park, and the dry-stacked stone retaining wall will be avoided. The concrete steps and dry-stacked stone retaining wall will be marked as *Do Not Disturb* on the design plans. (INDOT Environmental Services Division)

For Further Consideration Commitments

- 1. It is recommended to consider a more sustainable approach to stormwater management if upgrades are required. The traditional model of stormwater management aims to drain urban runoff as quickly as possible with the help of channels and pipes, which increases peak flows and costs of stormwater management. This type of solution only transfers flood problems from one section of the basin to another section. A more sustainable approach aims to rebuild the natural water cycle by using storage techniques (retention basins, constructed wetlands, raingardens, etc.), recharging groundwater using infiltration techniques (infiltration basins or trenches, pervious pavement, etc.), and reusing runoff for irrigation elsewhere in the basin. (IDNR Division of Fish and Wildlife)
- 2. It is recommended avoiding removing urban trees to the greatest extent possible and replacing trees that must be removed. (IDNR Division of Fish and Wildlife)
- 3. Trees removed 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) or by using the 1:1 replacement ratio based on area depending on the type of habitat impacted (individual canopy tree removal in an urban streetscape or park-like environment versus removal of habitat supporting a tree canopy, woody understory, and herbaceous layer). Impacts under 0.10 acre may still involve the replacement of large diameter trees but typically do not require any additional mitigation or additional plantings beyond seeding and stabilizing disturbed areas. There are exceptions for high quality habitat sites, however. (IDNR Division of Fish and Wildlife)
- 4. Certain types of LED lighting can have negative impacts on both human and wildlife health and safety. It is strongly encouraged to visit the International Dark-Sky Association's website to learn more about the potential negative impacts of improperly selected LED lighting systems, if applicable: http://darksky.org/lighting/led-practical-guide. (IDNR Division of Fish and Wildlife)

This is page 37 of 38 Project name:	US 231 Road Rehabilitation	Date:	April 5, 2021
	Form Version: June 2013 Attachment 2		

Indiana Department of Transportation

County Fatham Noute 03.231 Des. No. 1700121 & 2001373	County	Putnam	Route	US 231	Des. No.	1700121 & 2001579
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SECTION K-EARLY COORDINATION

Please list the date coordination was sent and all 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. INDOT and FHWA are automatically considered early coordination participants and should only be listed if a response is received.

Remarks:

Early Coordination

Early coordination letters were sent to agencies on March 13, 2020 (Appendix C, pages C-1 to C-3). An early coordination letter was sent to the USFWS on June 25, 2020. If a response was not received, it was assumed the agency did not feel the project would result in substantial impacts. Refer to responding agency correspondence in Appendix C, pages C-1 to C-48. The below agencies/individuals were contacted during early coordination:

Agency	Date of Response(s)
Natural Resources Conservation Service	March 30, 2020
2. Indiana Geological Survey (electronic submission)	March 13, 2020
3. IDNR Division of Fish and Wildlife	April 9, 2020
4. IDEM (electronic submission)	March 13, 2020
5. IDEM Ground Water Section (electronic query)	N/A
6. INDOT Office of Public Involvement	No response received
7. INDOT Office of Aviation	March 16, 2020
8. U.S. Department of Housing and Urban Development	No response received
9. IDNR Division of Outdoor Recreation	May 5, 2020
10. National Park Service, Midwest Regional Office	April 28, 2020
11. Putnam County Council Members	No response received
12. Putnam County Board of Commissioners	No response received
13. Putnam County Surveyor's Office	No response received
14. Putnam County Highway Department	No response received
15. City of Greencastle Mayor's Office	No response received
16. City of Greencastle Department of Public Works	No response received
17. Saint Paul the Apostle Church	No response received
18. Saint Andrew's Episcopal Church	No response received
19. Cornerstone Baptist Church	No response received
20. DePauw University	No response received
21. City of Greencastle Park Board	No response received
22. People Pathways	No response received
23. City of Greencastle MS4 Coordinator	No response received
24. West Central Indiana Economic Development District	No response received
	July 21, 2020 (standard)
	November 23, 2020 (IPaC)
25. U.S. Fish and Wildlife Service	June 30, 2020 (IPaC)

This is page 38 of 38			
Project name:	US 231 Road Rehabilitation	Date:	April 5, 2021

Designation (Des.) Number 1700121 =

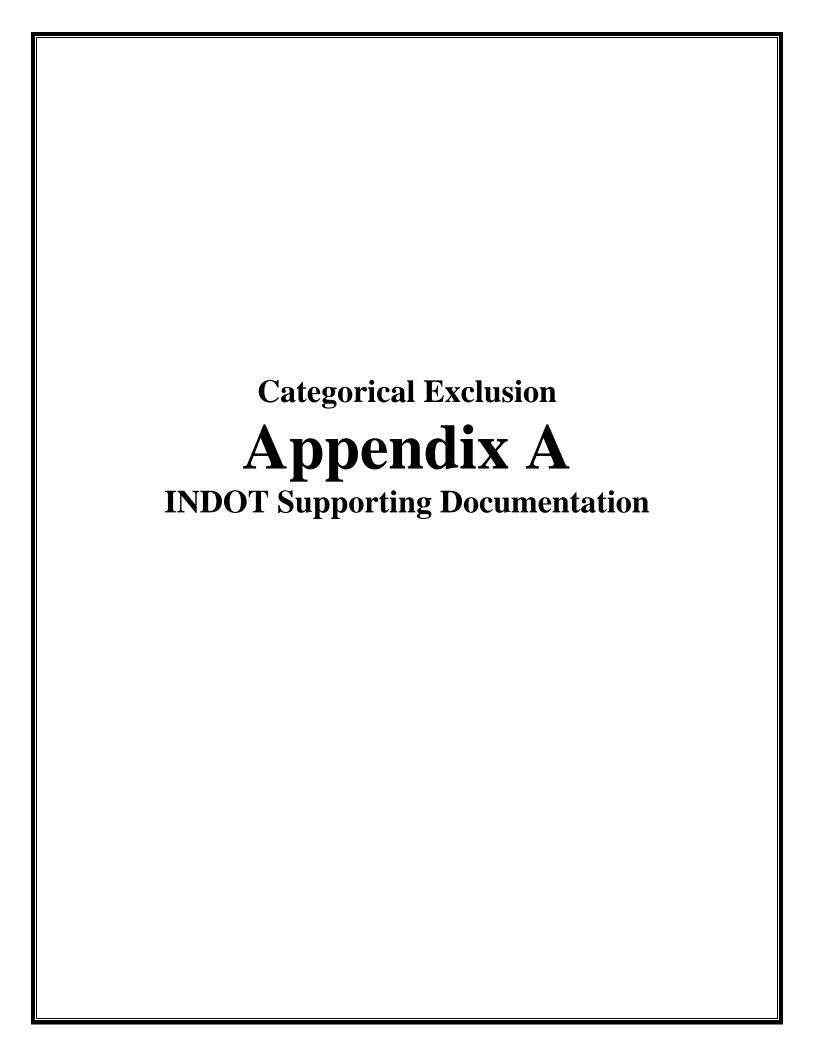
US 231 Road Rehabilitation Project – Greencastle, Putnam County, Indiana

Appendix A: INDOT Supporting Documentation	
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U.S. Fish and Wildlife Service (USFWS)	
Early Coordination Response E-mail	
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Designation (Des.) Number 1700121 =

US 231 Road Rehabilitation Project – Greencastle, Putnam County, Indiana

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Des. Number 1700121 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	No construction in waterways or water bodies	< 300 linear feet of stream impacts	≥ 300 linear feet of stream impacts	-	Individual 404 Permit
Wetland Impacts	No adverse impacts to wetlands	< 0.1 acre	-	< 1 acre	≥ 1 acre
Right-of-way ³	Property acquisition for preservation only or none	< 0.5 acre	≥ 0.5 acre	-	-
Relocations	None	-	-	< 5	≥ 5
Threatened/Endangered Species (Species Specific Programmatic for Indiana bat & northern long eared bat)	"No Effect", "Not likely to Adversely Affect" (Without AMMs ⁴ or with AMMs required for all projects ⁵)	"Not likely to Adversely Affect" (With any other AMMs)	-	"Likely to Adversely Affect"	Project does not fall under Species Specific Programmatic
Threatened/Endangered Species (Any other species)	Falls within guidelines of USFWS 2013 Interim Policy	"No Effect", ""Not likely to Adversely Affect"	-	-	"Likely to Adversely Affect"
Environmental Justice	No disproportionately high and adverse impacts	-	-	-	Potential ⁶
Sole Source Aquifer	Detailed Assessment Not Required	-	-	-	Detailed Assessment
Floodplain	No Substantial Impacts	-	-	-	Substantial Impacts
Coastal Zone Consistency	Consistent	-	-	-	Not Consistent
National Wild and Scenic River	Not Present	-	-	-	Present
New Alignment	None	-	-	-	Any
Section 4(f) Impacts	None	-	-	-	Any
Section 6(f) Impacts	None	-	-	-	Any
Added Through Lane	None	-	-	-	Any
Permanent Traffic Alteration	None	-	-	-	Any
Coast Guard Permit	None	-	-	-	Any
Noise Analysis Required	No	-	-	-	Yes V7
Air Quality Analysis Required Approval Level	No Concurrence by INDOT District	-	-	-	Yes ⁷
District Env. Supervisor Env. Services Division FHWA	Environmental or Environmental Services	Yes	Yes	Yes Yes	Yes Yes Yes

¹Coordinate with INDOT Environmental Services. INDOT will then coordinate with the appropriate FHWA Environmental Specialist.

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

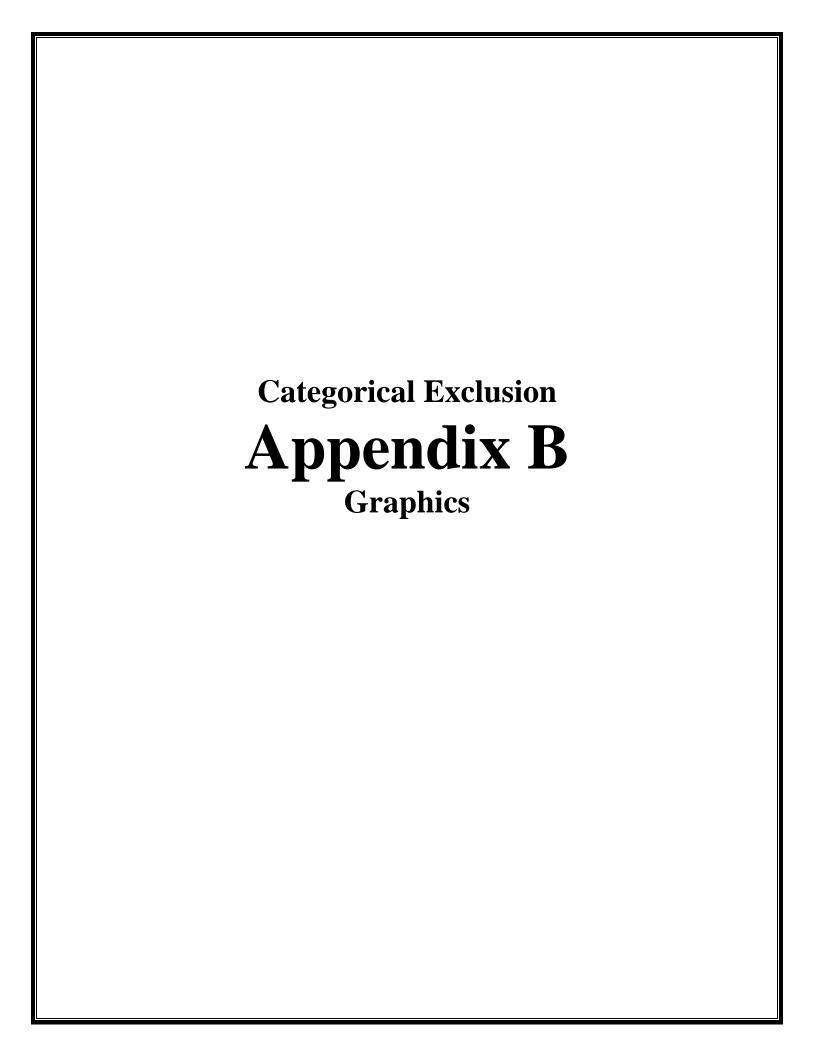
³Permanent and/or temporary right-of-way. ⁴AMMs = Avoidance and Mitigation Measures.

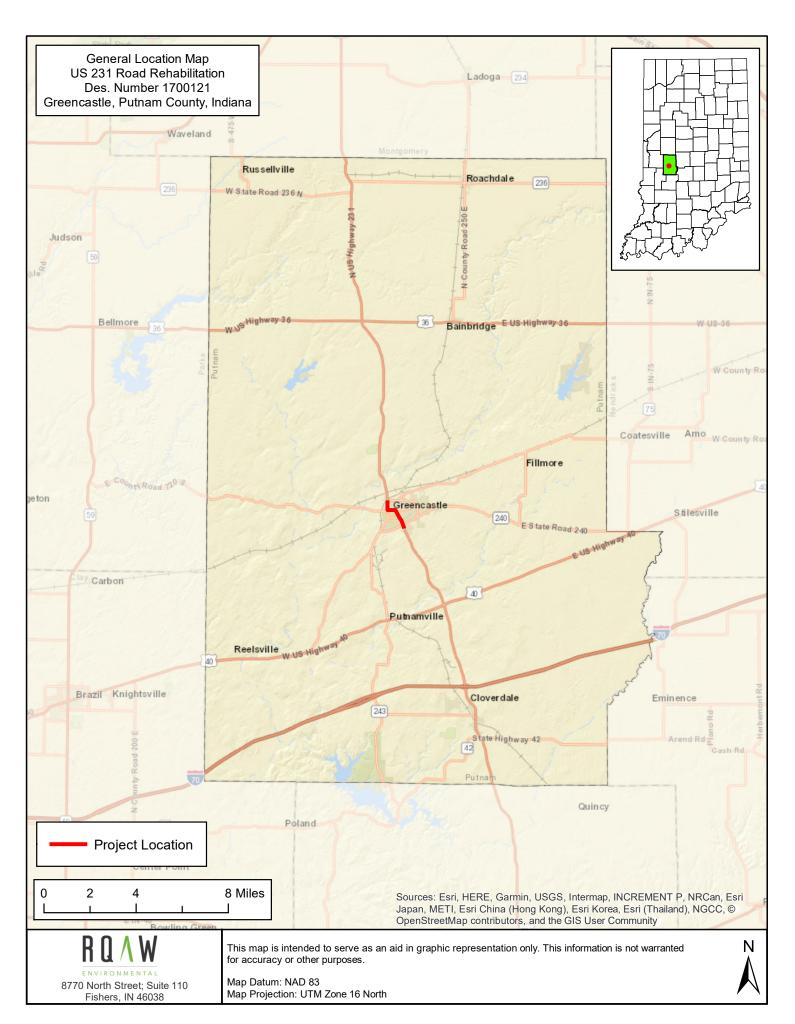
⁵AMMs determined by the IPAC decision key to be needed that are listed in the USFWS User's Guide for the Range-wide Programmatic Consultation for Indiana bat and Northern long-eared bat as "required for all projects".

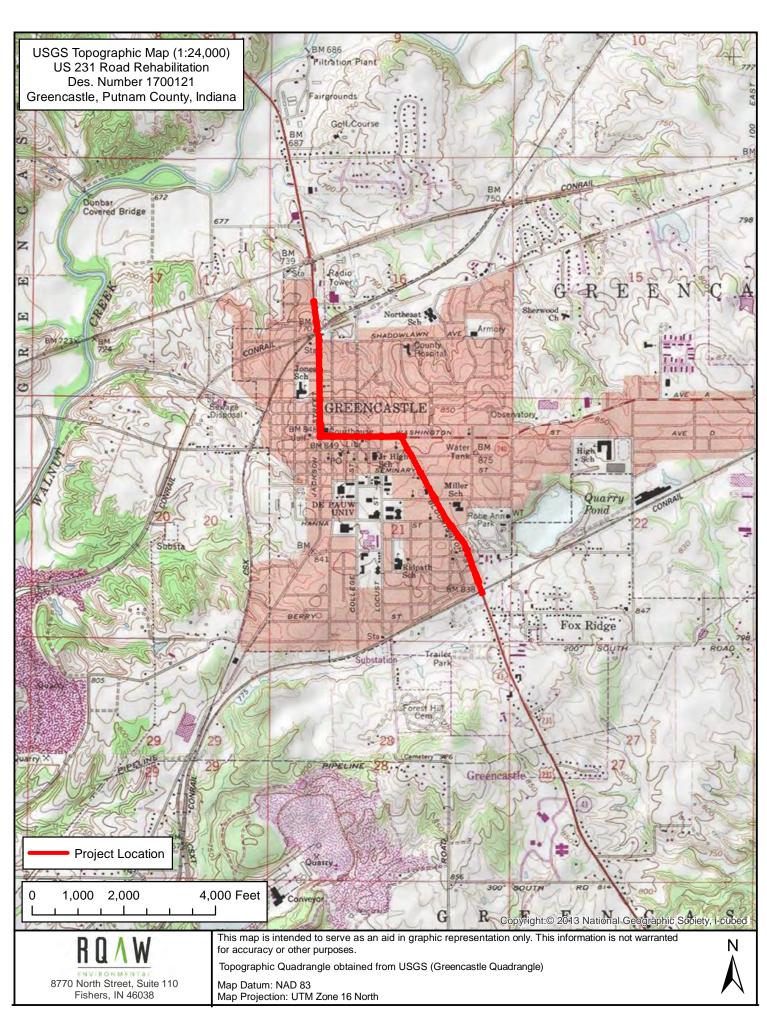
⁶Potential for causing a disproportionately high and adverse impact.

⁷Hot Spot Analysis and/or MSAT Quantitative Emission Analysis.

^{*}Substantial public or agency controversy may require a higher-level NEPA document.









Des. Number 1700121 Appendix B: Graphics B-3









1. Looking northwest at SR 240 (Veterans Memorial Highway) and US 231 (Bloomington Street) intersection $\,$



2. Looking southeast along US 231 (Bloomington Street) near the intersection of Block Avenue and US 231 $\,$



3. Looking northwest along US 231 (Bloomington Street) near the intersection of Block Avenue and US 231 $\,$



4. Looking northwest at Robe-Ann Park from US 231 (Bloomington Street) and Tennessee Street



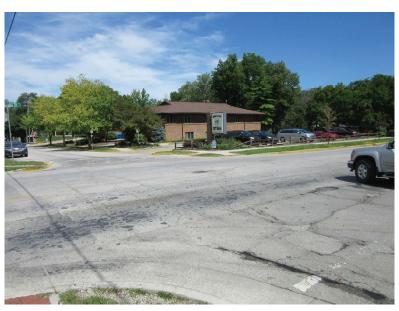
5. Looking west towards DePauw University from the intersection of US 231 (Bloomington Street) and Anderson Street



6. Looking north along US 231 (Bloomington Street) from the intersection of US 231 (Bloomington Street) and Seminary Street



7. Looking northwest along US 231 (Bloomington Street) from Walnut Street



8. Looking northeast at the intersection of US 231 (Washington Street) and Locust Street $\,$



9. Looking west along US 231 (Washington Street) between Spring Street and Locust Street



10. Looking east along sidewalk and US 231 (Washington Street) between Vine Street and College Avenue



11. Looking north at intersection of US 231 (Washington Street) and Vine Street



12. Looking northwest at the intersection of US 231 (Washington Street) and Jackson Street



 $13. \ Looking \ south \ along \ US \ 231 \ (Jackson \ Street) \ between \ Jacob \ Street \ and \ Liberty \ Street$



14. Looking northwest at the intersection of US 231 (Jackson Street) and Shadowlawn Avenue $\,$



15. Looking southwest along US 231 (Jackson Street) from the railroad track north of Shadowlawn Avenue



16. Looking north along US 231 (Jackson Street) from the railroad track north of Shadowlawn Avenue



INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

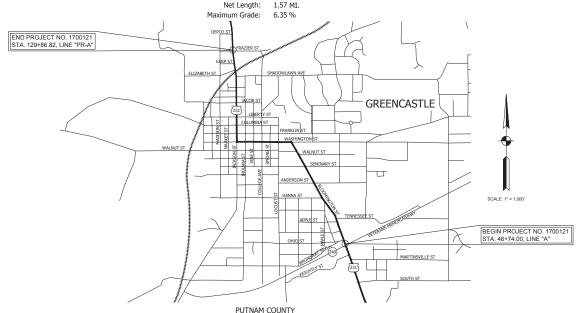
U.S. 231 ROAD REHABILITATION

AT: RP 149+06 TO RP 150+67 PROJECT NO. 1700121 P.E. 1700121 R/W

1700121 CONST.

U.S. 231 ROAD REHABILITATION AND RECONSTRUCTION BEGINNING AT A POINT 0.03 MILES SOUTH OF THE INTERSECTION OF S.R. 240 (SOUTH STREET) EXTENDING NORTHWARD THROUGH THE CITY OF GREENCASTLE TO THE INTERSECTION OF FRAZIER STREET IN SECTIONS 16, 21, & 28, TOWNSHIP 14 NORTH, RANGE 4 WEST IN GREENCASTLE TOWNSHIP, PUTNAM COUNTY, INDIANA.

Gross Length: 1.57 MI. Net Length: 1.57 MI.



TRAFFIC DATA	STA, 46+74 TO 88+44 LINE "A"
A.A.D.T. (2017)	10.520 V.P.D.
AA.D.T. (2042)	13,260 V.P.D.
D.H.V (2042)	9.66 %
DIRECTIONAL DISTRIBUTION	50.43 %
TRUCKS	8.96 % A.A.D.T.
	7.78 % D.H.V.
TRAFFIC DATA	STA, 88+44 TO 123+15 LINE "A"
A.A.D.T. (2017)	14,130 V.P.D.
A.A.D.T. (2042)	19,920 V.P.D.
D.H.V (2042)	12.38 %
DIRECTIONAL DISTRIBUTION	50.17 %
TRUCKS	6.67 % A.A.D.T.
	3.32 % D.H.V.
	STA, 123+15 TO 129+86.82 LINE "PR-A"
A.A.D.T. (2017)	9,160 V.P.D.
A.A.D.T. (2042)	9,820 V.P.D.
D.H.V (2042)	9.77 %
DIRECTIONAL DISTRIBUTION	49.51 %
TRUCKS	8.05 % A.A.D.T.
	4.80 % D.H.V.
DESIGN DATA	
DESIGN DATA	STA, 46+74 TO 122+40.00 LINE "A"
DESIGN SPEED	STA, 46+74 TO 122+40,00 LINE "A" 30 M.P.H
DESIGN SPEED PROJECT DESIGN CRITERIA	30 M.P.H 4R (RECONSTRUCTION)
DESIGN SPEED PROJECT DESIGN CRITERIA FUNCTIONAL CLASSIFICATION	30 M.P.H 4R (RECONSTRUCTION) OTHER PRINCIPAL ARTERIAL
DESIGN SPEED PROJECT DESIGN CRITERIA FUNCTIONAL CLASSIFICATION RURAL/URBAN	30 M.P.H 4R (RECONSTRUCTION) OTHER PRINCIPAL ARTERIAL URBAN (BUILT-UP)
DESIGN SPEED PROJECT DESIGN CRITERIA FUNCTIONAL CLASSIFICATION RURAL/URBAN TERRAIN	30 M.P.H 4R (RECONSTRUCTION) OTHER PRINCIPAL ARTERIAL URBAN (BUILT-UP) LEVEL
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LATITUDE: 39° 38' 04" N LONGITUDE: 86° 51' 10" W LATITUDE: 39° 39' 08" N LONGITUDE: 86° 51' 57" W

INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2020 TO BE USED WITH THESE PLANS.

8770 NORTH ST., STE. 110 FISHERS, IN 46038 P. 317 588 1798 F: 317.588.1799 WWW.RQAW.COM

RQAW Corporation, Inc. APPROVED OR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION

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	1700121		
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