









jshemanski 6/15/2022 10:57 model: Sheet1

jshe 6/1. moo







6/15/2022 model:She





HUNNING HER SOUTH	RECOMMENDED FOR APPROVAL	ml Sp	Lu DESIGN ENGINEER	06-14-2022 DATE	
BO STATE OF	DESIGNED:	MCS	DRAWN:	MCS	
MILSS / ONAL ENGINEER	CHECKED:	MDC	CHECKED:	MDC	



HILL CEGISTER OF	RECOMMENDED FOR APPROVAL	ml Sp	Lu DESIGN ENGINEER	06-14-2022 DATE	
PETTYOU805	DESIGNED:	MCS	DRAWN:	JMS	
Mining S/ONAL ENUMATION	CHECKED:	MDC	CHECKED:	MDC	





								RESURFACIN	IG, MILLING, A	AND PAVEMENT	Γ TABLE							
			D1	Area	D2 Area		R1	l Area		OC/OA-HMA, 3.	OC/OA-HMA.	Widening wi	th HMA, Type D					Subgrade Treatment
Start Station	End Station	Description	Mainline	Shoulder	Mainline	Shoulder	Mainline	Shoulder	4, 76, Surface 9.5mm, 165 lb/sys	70, Intermediate 19.0mm, 440 lb/sys	3, 64, Base 25mm, 880 lb/sys	HMA Intermediate, Type D, 440 lb/sys	HMA Base, Type D, 1265 lb/sys	Joint Adhesive, Surface	Joint Adhesive, Intermediate	Asphalt for Tack Coat	Aggregate, No. 53	Type IC on Geotextile for Pavement, Type 1A
			(SYS)	(SYS)	(SYS)	(SYS)	(SYS)	(SYS)	(TON)	(TON)	(TON)	(TON)	(TON)	(LFT)	(LFT)	(TON)	(TON)	(SYS)
Line	"A"																	
15+65	23+92	Resurfacing					1290		107.1					827.0		0.6		
21+50	23+92	Resurfacing					375		31.1							0.2		74.7
23+92	24+16	Full Depth Pavement			75		75		6.2	16.5	33.0			24.0		0.1		
24+16	26+35	Resurfacing					341		28.3					219.0		0.2		
15+65	26+35	Shoulder Widening		367				367	30.5			85.4	294.7	1,070.0	1,070.0	0.2	276.1	579.6
21+50	24+16	Shoulder Widening		101				101	8.4			23.8	79.4	266.0	266.0	0.1	62.8	154.0
		TOTALS		468	75		2,081	468	213	17	33	110	375	2,406	1,336	2	339	809

STATION

Line "A
15+4
15+70 to 2
19+1
21+77 to 2
21+80 to 2
21+89 to 2
22+02 to 2
23+0
24+04 to 2

15/2022 10:59:18 am
odel: Sheet1
e:   indw00 289projects 79067 indot-v_2020_oncall_rfp2008 070_us231_drainage-64s_des2101215 00 cadd cc

	APPROACH TABLE U.S. 231														
Station	Side	Туре	Width	Throat	Depth	Avg. Lay Rate	Compacted Aggregate, No. 53	Subgrade Treatment, Type II	HMA for Approach, Type B	Remarks					
			(FT)	(FT)	(FT)	(LBS/SYS)	(CYS)	(SYS)	(TON)						
	Line "A"														
16+15	LT	Private Drive	9	53	40	440	11.9	71.5	15.7	Class II					
17+00	LT	Private Drive	10	51	36	440	10.9	65.3	14.4	Class II					
18+20	LT	Private Drive	23	51	37	440	13.9	83.1	18.3	Class II					
19+68	LT	Private Drive	8	54	46	440	12.6	75.4	16.6	Class II					
22+00	RT	Private Drive	12	47	21	440	7.3	43.7	9.6	Class II					
22+67	LT	Private Drive	10	58	45	440	14.8	88.8	19.5	Class II					
23+34	LT	Private Drive	10	51	47	440	12.9	77.1	17.0	Class II					
						TOTALS	85	505	112						

	PAVEMENT MARKINGS SUMMARY TABLE														
	Lines & SRPMs														
		South	bound		North	bound	Line,	Paint,	Snowplowable	Snowplowable					
Start Station	End Station	Edge	Lane	Centerline	Lane	Edge	Solid, Yellow, 6 in.	Solid, White, 6 in.	Raised Pavement Marker, Remove	Raised Pavement Marker					
		LINE	LINCS		LINES		(lft)	(lft)	EACH	EACH					
15+65	26+35	Yes						1,074							
15+65	26+35			Yes			2,140		27	29					
21+50	24+16				Yes			254							
						TOTALS	2,140	1,328	27	29					

							TEMPOR	ARY EROSIC	ON CONTRO	L TABLE					
I	E	DIAN LOCATION	ыт	Sediment Removal	Coconut Fiber Mat	Temporary Seed	Temporary Mulch	Filter Sock	Temporary Mulch Stabilization	Fertilizer	Temporary Inlet Protection	Temporary Slope Drain	Pump Around	Temporary Filter Stone	Erosion Control Blanket
	"	MED	RIO	CYS	SYS	LBS	TON	LFT	SYS	TON	EACH	LFT	EACH	TON	SYS
					556	117	2		1553	0.16					1,553
			Х								1				
+28	X												1		
	X										1				
+61			Х										1		
+87			Х	1				7							
+91			Х	1				5							
+18			Х	1				27							
	X										1				
+26			Х										1		
ΟΤΑΙ				3	556	117	2	39	1553	0.16	3	0	3	0	1553

		MAILBOX TABL	E			
			WIDTH, W	A	SSEMBLY REQ'I	Э.
LI./ NI.	CL DOX STATION	DESCRIPTION	(FT)	SINGLE	DOUBLE	
	LINE "A"					
LT.	16+84	Paved Shoulder, Mailbox Before Drive	4.00	1		
LT.	18+05	Paved Shoulder, Mailbox Before Drive	4.00	1		
RT.	22+21	Paved Shoulder, Mailbox After Drive	4.00	5		
LT.	22+63	Paved Shoulder, Mailbox Before Drive	4.00	1		
		TOTAL		8	0	

		0	$\bigcirc$			HORIZONTAL SCALE	BRIDGE FILE
WINN HRISTON TED STATE		And -	Xela-		INDIANA	N/A	N/A
	FOR APPROVAL		All a construction of the second seco	06-14-2022	DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION
			DESIGN ENGIN	EER DATE		N/A	2101215
						SURVEY BOOK	SHEETS SUM-01
	DESIGNED:	RPW	DRAWN:			ELECTRONIC	22 of 34
THE SCOULD FNOT		1110		1110	SUMMART TADLES	CONTRACT	PROJECT
		JMB				R-44035	2101215

![](_page_13_Figure_9.jpeg)

Jshemanski 6/15/2022 10:59:20 am model: Sheet2

file: ||indw00|289projects|79067 indot-v 2020 oncall rfp2008|070 us231 drainage-64s des2101215|00 cadd|cds|79067-rd-s-sum01.dan

				-1	1						ST	RUCTU	RE DA	TA	Γ	1 1		-1	1	1	1	1	1				1 1	
CTURE NUMBER	STATION		CROSS	SIZE	DESCRIPTION 변 MANHOLE, INLET, CATCH BASIN, OR 및 SPECIALTY STRUCTURE	LENGTH	RIM ELEVATION	COVER	FLOW LINE	DOWN STREAM	SERVICE LIFE	DESIGNATION	pН	KFILL METHOD	STRUCTURE BACKFILL	TYPE	GEOTEXTILES	ТҮРЕ	REVETMENT RIPRAP	RIPRAP CLASS 1	RIPRAP CLASS 2	INIFORM RIPRAP	DEO INSPECTION	PIPE END SECTION	GRATED I SECT	BOX END TION	METAL END SECTION	NECT TO STR. REMARKS
STRU			FT	INCHES		LFT	ELEV.	FT	ELEV.	ELEV.	YRS.	SITE		BAC	CYS	LF	r sys	-	TON	TON	TON	TON	LFT	EA.	TYPE SL	OPE EA.	SLOPE EA.	S
	Line "A"																											
	15+65 to 16+11	X			Riprap Slope												173	2A	25			75						
	16+15 to 16+88	X			Riprap Slope												90	2A	47									
1	16+17 80	X	38.83	60 X 48	3 Reinforced Concrete Box	47		0.73	479 53	478 98	75	N	65	2	27	2	57	24				33	47					36 CYS of Structure Backfill Type
	10.17100																											5 Req'd.
2	16+96.68	X	37.09	60 X 48	3 Reinforced Concrete Box	41		0.34	478.56	478.08	75	N	6.5	2	26	2	55	2A				31	41					33 CYS of Structure Backfill Type 5 Reg'd.
	16+98 to 18+00	X			Riprap Slope												127	2A	68									
																												127 CVC of Structure Poolsill
3	18+92.21	X	34.87	72 X 42	3 Reinforced Concrete Box	184		1.02	476.59	475.06	75	N	6.5	2	166	2	107	2A				66	184					Type 5 w/ 2 Headwalls Req'd.
4	19+17.00	x	34.69		N/A Casting, Type 7		479.80				75	N	6.5	N/A	N/A	N/A												CV-3
5	22+82.38	X	39.19	72 X 48	3 Reinforced Concrete Box	109		1.38	472.30	471.00	75	N	6.5	2	161	2	114	2A				71	109					86 CYS of Structure Backfill Type 5 Req'd.
6	23+05.00	X	36.30		N/A Casting, Type 7		477.48				75	N	6.5	N/A	N/A	N/A												CV-5
																												22 CVC of Church up Dool fill Turo
7	24+04.03		X	30 x 30	3 Reinforced Concrete Box	50		2.04	471.30	471.00	75	N	6.5	2	12	2	54	2A				28	54	2				5 w/ 2 Headwalls Req'd.
10	21+99.07	X	24.85	30 X 30	3 Reinforced Concrete Box	25		0.32	474.75	474.65	75	N	6.5	2	5	2	27	1A				14	25	2		1 3:1	1	12 CYS of Structure Backfill Type 5 Req'd.
11	26+53.41	X	26.73		N/A Grated Box End Section, Type 1																					1 3:1	1	Beveled Edge Req'd.
	25+10 to 26+35	X			Riprap Slope												237.0	2A				144.0						

			MC	NUMENT TABL	E					
CTATION		OFFSET		NODTHING	EACTING		ΤY	SECTION		
STATION		(FT.)		NORTHING	EASTING	A	В	С	D	CORNER
				DES. NO. 2101216						
Line "A"										
15+65.00	Begin Construction	0.00	CL	148695.94	784524.95		x			
18+43.20	PC	0.00	CL	148932.58	784671.23		x			
21+21.55	PI	20.18	LT	149169.34	784817.58			X		
23+96.00	PT	0.00	CL	149354.49	785025.42		x			
26+35.00	End Construction	0.00	CL	149523.47	785203.88		x			
		TOTAL					4	1	0	0

HRISTOPHER CHEGISTER OF	RECOMMENDED FOR APPROVAL	ML Sp	Lu DESIGN ENGINEE	06-14-2022 R DATE	
RO STATE OF	DESIGNED:	JMS	DRAWN:	JMS	
THE STONAL ENGLISH	CHECKED:	MCS	CHECKED:	MCS	

Appendix	Β,	Page	31	of 33

	HORIZONTAL SCALE	BRIDGE FILE
INDIANA	N/A	N/A
DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION
	N/A	2101215
	SURVEY BOOK	SHEETS SUM-02
	ELECTRONIC	23 of 34
JUMMART TADLES	CONTRACT	PROJECT
	R-44035	2101215

										S	STRUCTI	JRE DA		MOVALS	5													
	LOCATIO	N		DESCRIPTION					FLOW LINE																	NOI		
STRUCTURE NUMBER	STATION	RIGHT CROSS CROSS	SIZE HALL HALL HALL HALL HALL HALL HALL HALL	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LFT	SKEW	RIM ELEVATION	COVER	UP STREAM ELEV.	DOWN STREAM ELEV.	SERVICE LIFE	SITE DESIGNATION	рН	BACKFILL METHOD	STRUCTURE BACKFILL TYPF	SLOTTED DRAIN	GEOTEXTILES GEOTEXTILES	ТҮРЕ	A REVETMENT RIPRAP	RIPRAP CLASS 1	OT CLASS 2	D NIFORM RIPRAP	T NIDEO INSPECTION	PIPE END SECTION	GRATED BOX END SECTION	. SAFTEY METAL END SECT	CONNECT TO STR.	REMARKS
	Line "A"																											
91	16+10 to 16+31 X		48	PIPE 48" CMP, REMOVE	22																							
92	16+85 to 17+07 X		48	PIPE 48" RCP, REMOVE	22																							
93	18+06 to 18+27 X		48	PIPE 48" RCP, REMOVE	22																							
94	19+67 to 19+87 X		39 X 55	PIPE 39" X 55" BOX, REMOVE	20																							
05	22 × 50 ±= 22 × 00		40		40																							
95	22+58 to 22+98 X		48		40																							
96	23+24 to 23+44 X		48	PIPE 48" CMP, REMOVE	21																							
97	26+35 X	27.30		GRATED BOX END SECTION, REMOVE																								
98	21+87 to 22+12	x	18	PIPE 18" RCP, REMOVE	25																							
99	23+03.50	x	30	PIPE 30" CMP, REMOVE	42																							
101	16+11 X	32.27		HEADWALL, REMOVE																								
102	16+30 X	31.66		HEADWALL, REMOVE																								
103	16+86 X	30.37		HEADWALL, REMOVE																								
104	17+06 X	21.16																										
104	17+00 X	51.10																										
105	18+07 X	27.72		HEADWALL, REMOVE																								
106	18+27 X	27.00		HEADWALL, REMOVE																								
107	23+24 X	22.84		HEADWALL, REMOVE																								

HUMINIA HISTOPHER SOUTH CHRISTOPHER SOUTHER SOUTHER SOUTHER SOUTHER SOUTH CHRISTOPHER SOUTHER SOUTHER	RECOMMENDED FOR APPROVAL	ML Sp	Lu DESIGN ENGINEER	06-14-2022 DATE	
B STATE OF	DESIGNED:	RPW	DRAWN:	RPW	
MICS/ONAL ENGINEER	CHECKED:	MCS	CHECKED:	MCS	

	HORIZONTAL SCALE	BRIDGE FILE
INDIANA	N/A	N/A
DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION
	N/A	2101215
	SURVEY BOOK	SHEETS SUM-03
	ELECTRONIC	24 of 34
SUMMART TADLES	CONTRACT	PROJECT
	R-44035	2101215

									RIPRA	AP DITCH	I, PAVED S	SIDE DIT	CH, SEED	DING AND	SODDIN	IG SUMM/	ARY TABL	.E									
	LOCATION					SEE	DING					PAVED S	IDE DITCH					RIPRAP						SODDING			
												ТО	TAL EQUIVAL	ENT PAY LENC	STHS					A							
										Ê Ê	Ê		Т	YPE	_					/PE 2	L SI		1115	(0	Щ		
FROM STATION	TO STATION	LEFT CENTER RIGHT	ACTUAL LENGTH	MULCHING MATERIAL	WATER	FERTILIZER	SEED MIXTURE R	SEED MIXTURE U	WULCHED SEEDING, U	CUT OFF WALLS (8' EQUIVAL. LENGTH EAC	E (8' EQUIVAL. LENGTH EAC	ТУРЕ Н	ТҮРЕ А	TYPE L	LET	CLASS 1	CLASS 2	RIPRAP, UNIFORM	RIPRAP, REVETMENT	GEOTEXTILES FOR RIPRAP, T	FOR SPECIAL SIDE DITCH	FOR DITCH BOTTOMS	INSIDE CONSTRUCTION LIN	FOR SIDE SLOPE BREAK	SODDING AT BRIDGE COI	NEXT TO PAVED DITCH	Z TOTAL SODDING
Line	 e "A"				KGAL				515		EACH						10103			515	515	515	515	515	515	515	515
15+65	15+95	x	30		0.1													75	25	173		14					14
16+66	16+76	X	10		0.4													33	47	147		8	92				100
17+42	18+01	X	59		1.5													31	68	127		46	336				382
18+25	19+62	X	137		3.3													66		55		122	695				817
20+10	22+49	X	239		4.5													85		221		266	857				1123
21+50	24+16	X	266						197									14		54							
22+80	23+26	X	46		0.9													14		27		41	172				213
23+85	24+29	X	44		0.5													144		237		49	87				136
	TOTAL				11				197									462	140	1041		546	2239				2785

5/2022 10:59:22 am del: Sheet4 ||indw00|289projects|79067 indot-v\_2020\_oncall\_rfp2008|070\_us231\_drainage-64s\_des2101215|00 cadd|cds|7;

NO.	RECOMMENDED FOR APPROVAL	ML Sp	Lu DESIGN ENGINEER	06-14-2022 DATE	
PE11900805	DESIGNED:	RPW	DRAWN:	RPW	
MICS / ONAL ENGINEER	CHECKED:	MCS	CHECKED:	MCS	

	HORIZONTAL SCALE	BRID	DGE FILE		
INDIANA	N/A	N/A			
DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESI	GNATION		
	N/A	2101215			
	SURVEY BOOK	Sł	HEETS SUM-04		
	ELECTRONIC	25	of 34		
SUMMART TADLES	CONTRACT	PR	OJECT		
	R-44035	21	.01215		

US 231 Drainage Improvements Dubois County, Indiana Des. No. 2101215

Appendix C: Early Coordination

![](_page_18_Picture_0.jpeg)

### **INDIANA DEPARTMENT OF TRANSPORTATION**

100 North Senate Avenue Room N758-ES Indianapolis, Indiana 46204

PHONE: (317)233-0800

Eric J. Holcomb, Governor Joe McGuinness, Commissioner

October 8, 2021

## Example Early Coordination Letter

Via Email to Early Coordination List:

Re: Early Coordination Letter, Des. No.: 2101215, US 231 HMA Overlay and Drainage Improvements, From 1.20 Miles South of State Road (SR) 64 to 0.88 Mile south of SR 64, Dubois County, Indiana

To Whom it May Concern:

The Indiana Department of Transportation (INDOT), with federal funding, intends to proceed with a drainage improvement project along US 231 in Dubois County, Indiana. This letter is part of the early coordination phase of the environmental review process. We are requesting comments from your area of expertise regarding any possible environmental effects associated with this project. **Please use the above designation number and description in your reply.** We will incorporate your comments into a study of the project's environmental impacts.

**Project Location:** This project is located on US 231, from 1.20 miles south of SR 64 to 0.88 mile south of SR 64 in Dubois County. More specifically, this project is located in Sections 3 and 4, Township 3 South, Range 5 West of Patoka Township in the City of Huntingburg, Indiana.

**Existing Conditions:** This section of US 231 is a two-lane rural *Principal Arterial* with a speed limit of 40 miles per hour. The typical section of US 231 in this area has two 12-foot travel lanes. Paved sidewalks are present on west side of the roadway, starting south of the US 231 and South Chestnut Street intersection. An open stream runs along the west side of the roadway for approximately 1,200 feet.

**Preliminary Purpose and Need:** The need for the project is the overtopping of the roadway during heavy storm events and erosion of stream bank slopes. The purpose of the project is to minimize the potential for roadway overtopping, address the erosion issues on the bank slopes, and potentially make improvements to roadside safety along the stream.

**Proposed Project:** The proposed project is anticipated to include drainage improvements which are expected to include an increase in the cross section of the stream / roadside ditch and driveway culvert capacities as well as potentially add areas for water detention. The project is anticipated to begin construction in fall 2022.

**Right-of-Way:** The project will require the acquisition of temporary and permanent right of way; however, the specific locations are still being evaluated.

www.in.gov/dot/ An Equal Opportunity Employer

![](_page_18_Picture_17.jpeg)

**Maintenance of Traffic:** During construction, traffic will likely be maintained on US 231 using flagging operations. Temporary road closures are possible for this section of roadway to install or replace crossing pipes. Temporary closures of driveways along the west side will be needed to replace drive culverts.

**Surrounding Resources:** Land use in the vicinity of the project is primarily residential. The project is anticipated to qualify for the Rangewide Programmatic Agreement for the Indiana bat and northern long-eared bat. The U.S. Fish and Wildlife Service Information for Planning and Consultation (IPaC) will be utilized to determine the projects potential to affect to the Indiana bat and northern long-eared bat. Coordination will occur with INDOT Cultural Resources Office (CRO) to evaluate the project area for archaeological and historic resources and for Section 106 compliance. The results of this investigation will be forwarded to the State Historic Preservation Officer (SHPO) for review and concurrence as appropriate.

**Comments Request:** You are asked to review this information and provide comments you may have relative to the anticipated effects of the project on areas which you have jurisdiction or special expertise. Please send your comments to Dan Logsdon, of HNTB Corporation, at <u>dlogsdon@hntb.com</u> or 317-917-5336. Please provide your response within thirty (30) calendar days from the date of this letter. However, should you find that an extension to the response time is necessary, a reasonable amount may be granted upon request.

If you have any questions regarding this matter, please feel free to contact Dan Logsdon, of HNTB Corporation, at <u>dlogsdon@hntb.com</u> or 317-917-5336; or Kent Davis, INDOT Project Manager, at <u>aldavis@indot.in.gov</u> or 812-895-7385. Thank you in advance for your input.

Sincerely,

Dan Logsdon HNTB CORPORATION

Attachments: Project Location Map Project Area Aerial USGS 7.5 Minute Topographic Quad Map Photo Location Map Project Location Photographs Attachments have been removed to avoid duplication. Attachments can be found in Appendix B.

Cc: Indiana Geological and Water Survey, via webform Indiana Department of Environmental Management, via webform Ryan Falls, INDOT Vincennes District Julian Courtade, INDOT Office of Aviation Christie Stanifer, Indiana Department of Natural Resources Rick Neilson, Natural Resources Conservation Service Deborah Snyder, US Army Corps of Engineers Kari Carmany-George, Federal Highway Administration Robin McWilliams-Munson, US Fish and Wildlife Service Alisha Turnbow, IDEM Groundwater Section Chief

> www.in.gov/dot/ An Equal Opportunity Employer

![](_page_19_Picture_11.jpeg)

Erik Sandstedt, US Department of Housing and Urban Development Kevin Amick, Hoosier National Forest Chad Mundy, Dubois County MS4 Coordinator Kenneth Brosmer, Dubois County Surveyor Tom Kleinhelter, Dubois County Sheriff Steven Berg, Dubois County Highway Superintendent Alex Hohl, Dubois County Council Tim LaGrange, Southwest Dubois County Schools Tamara Humbert, Dubois County Emergency Management Chad Blessinger, Dubois County Board of Commissioners City of Huntingburg Water Utilities Steve Schwinghammer, City of Huntingburg Mayor

![](_page_20_Picture_2.jpeg)

#### **Dan Logsdon**

From:	Falls, Ryan G <rfalls@indot.in.gov></rfalls@indot.in.gov>
Sent:	Wednesday, October 13, 2021 9:34 AM
То:	Dan Logsdon
Cc:	Richard Connolly; Wright, Kristy
Subject:	RE: US 231 Drainage Improvements (Des. No. 2101215) - Early Coordination Letter
Follow Up Flag:	Follow up
Flag Status:	Flagged

Dan Logsdon,

I noticed you coordinated with USFWS. USFWS has asked that if a project falls under the interim policy, there is no need to coordinate with them, note this in the CE, and to include recommendations from the policy. If the project does not fall under the policy, please disregard. This is only guidance for future EC letters. Please feel free to share this within your firm.

Thank you for the opportunity to respond to early coordination.

#### **Ryan Falls**

### Capital Program Management-Senior Environmental Manager Supervisor Indiana Department of Transportation 3650 South US Highway 41 Vincennes, IN 47591 Email: <u>rfalls@indot.IN.gov</u> Cell: 812-582-1387

#### From: Dan Logsdon <dlogsdon@HNTB.com>

Sent: Friday, October 8, 2021 5:13 PM

855-463-6848

To: Royer, Brian <BRoyer@dnr.IN.gov>; Falls, Ryan G <RFalls@indot.IN.gov>; DNR Environmental Review
<environmentalreview@dnr.IN.gov>; Neilson, Rick - NRCS, Indianapolis, IN <rick.neilson@in.usda.gov>;
RegulatoryApplicationsLRL@usace.army.mil; Carmany-George, Karstin (FHWA) <k.carmanygeorge@dot.gov>;
McWilliams, Robin <robin\_mcwilliams@fws.gov>; Mwro\_Compliance@nps.gov; Turnbow, Alisha
<ATurnbow@idem.IN.gov>; Amick, Kevin R -FS <kamick@fs.fed.us>; stormwater@jasperindiana.gov;
krbrosmer@duboiscountyin.org; slberg@duboiscountyin.org; gbuechlein@gjcs.k12.in.us;
lagranget@swdubois.k12.in.us; sschwinghamer@huntingburg-in.gov; Erik.r.sandstedt@hud.gov
Cc: Richard Connolly <rconnolly@HNTB.com>; Wright, Kristy <KWright@indot.IN.gov>; Shelby.Ruffner@in.nacdnet.net;
Allen, Michelle (FHWA) <michelle.allen@dot.gov>
Subject: US 231 Drainage Improvements (Des. No. 2101215) - Early Coordination Letter

# \*\*\*\* This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. \*\*\*\*

The Indiana Department of Transportation (INDOT) and Federal Highway Administration (FHWA) intend to proceed with a project involving US 231 in Dubois County, Indiana. Please see the attached early coordination letter as part of the

#### **Dan Logsdon**

From:	McWilliams, Robin <robin_mcwilliams@fws.gov></robin_mcwilliams@fws.gov>
Sent:	Wednesday, October 20, 2021 10:38 AM
То:	Dan Logsdon
Subject:	Re: [EXTERNAL] US 231 Drainage Improvements (Des. No. 2101215) - Early Coordination Letter
Follow Up Flag:	Follow up
Flag Status:	Flagged

Dear Dan,

This responds to your recent letter requesting our comments on the aforementioned project.

These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (16 U.S.C. 661 et. seq.) and are consistent with the intent of the National Environmental Policy Act of 1969, the Endangered Species Act of 1973, and the U.S. Fish and Wildlife Service's Mitigation Policy.

The project is within the range of the Indiana bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*) and should follow the new Indiana bat/northern long-eared bat programmatic consultation process, if applicable (*i.e.* a federal transportation nexus is established). The Service has 14 days after a "Not Likely to Adversely Affect" determination letter is generated to review the project and provide additional comments or request additional information; if you do not receive a response from us within 14 days, we have no additional comments.

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

Based on a review of the information you provided, the U.S. Fish and Wildlife Service has no other comments on the project as currently proposed. However, should new information arise pertaining to project plans or a revised species list be published, it will be necessary for the Federal agency to reinitiate consultation. Standard recommendations are provided below.

We appreciate the opportunity to comment at this early stage of project planning. If you have any questions about our recommendations, please contact me at robin\_mcwilliams@fws.gov or you may call 812-334-4261 x. 207.

Sincerely, Robin McWilliams Munson

#### **Standard Recommendations:**

1. Do not clear trees or understory vegetation outside the construction zone boundaries. (This restriction is not related to the "tree clearing" restriction for potential Indiana Bat habitat.)

2. Restrict below low-water work in streams to placement of culverts, piers, pilings and/or footings, shaping of the spill slopes around the bridge abutments, and placement of riprap.

Culverts should span the active stream channel, should be either embedded or a 3-sided or open-arch culvert, and be installed where practicable on an essentially flat slope. When an open-bottom culvert or arch is used in a stream, which has a good natural bottom substrate, such as gravel, cobbles and boulders, the existing substrate should be left undisturbed beneath the culvert to provide natural habitat for the aquatic community.

3. Restrict channel work and vegetation clearing to the minimum necessary for installation of the stream crossing structure.

4. Minimize the extent of hard armor (riprap) in bank stabilization by using bioengineering techniques whenever possible. If riprap is utilized for bank stabilization, extend it below low-water elevation to provide aquatic habitat.

5. Implement temporary erosion and sediment control methods within areas of disturbed soil. All disturbed soil areas upon project completion will be vegetated following INDOT's standard specifications.

6. Avoid all work within the inundated part of the stream channel (in perennial streams and larger intermittent streams) during the fish spawning season (April 1 through June 30), except for work within sealed structures such as caissons or cofferdams that were installed prior to the spawning season. No equipment shall be operated below Ordinary High-Water Mark during this time unless the machinery is within the caissons or on the cofferdams.

7. Evaluate wildlife crossings under bridge/culverts projects in appropriate situations. Suitable crossings include flat areas below bridge abutments with suitable ground cover, high water shelves in culverts, amphibian tunnels and diversion fencing

Robin McWilliams Munson Fish and Wildlife Biologist U.S. Fish and Wildlife Service 620 South Walker Street Bloomington, IN 46142 812-334-4261

Mon-Tues 8-3:30p Wed-Thurs 8:30-3p Telework

#### From: Dan Logsdon <dlogsdon@HNTB.com>

Sent: Friday, October 8, 2021 5:12 PM

To: broyer@dnr.IN.gov <broyer@dnr.IN.gov>; rfalls@indot.in.gov <rfalls@indot.in.gov>;

environmentalreview@dnr.in.gov <environmentalreview@dnr.in.gov>; rick.neilson@in.usda.gov

<rick.neilson@in.usda.gov>; RegulatoryApplicationsLRL@usace.army.mil <RegulatoryApplicationsLRL@usace.army.mil>; k.carmanygeorge@dot.gov <k.carmanygeorge@dot.gov>; McWilliams, Robin <robin\_mcwilliams@fws.gov>; MWRO

Compliance, NPS <MWRO\_Compliance@nps.gov>; Aturnbow@idem.IN.gov <Aturnbow@idem.IN.gov>;

kamick@fs.fed.us <kamick@fs.fed.us>; stormwater@jasperindiana.gov <stormwater@jasperindiana.gov>;

krbrosmer@duboiscountyin.org <krbrosmer@duboiscountyin.org>; slberg@duboiscountyin.org

<slberg@duboiscountyin.org>; gbuechlein@gjcs.k12.in.us <gbuechlein@gjcs.k12.in.us>; lagranget@swdubois.k12.in.us <lagranget@swdubois.k12.in.us>; sschwinghamer@huntingburg-in.gov <sschwinghamer@huntingburg-in.gov>; Erik.r.sandstedt@hud.gov <Erik.r.sandstedt@hud.gov>

**Cc:** Richard Connolly <rconnolly@HNTB.com>; kwright@indot.in.gov <kwright@indot.in.gov>;

![](_page_24_Picture_0.jpeg)

November 9, 2021

Dan Logsdon HNTB Corporation 111 Monument Circle, Suite 1200 Indianapolis, Indiana 46204 <u>dlogston@hntb.com</u>

Dear Mr. Logsdon:

The proposed project to proceed with drainage improvements along US 231 in DuBois County, Indiana, (Des No 2101215), as referred to in your letter received October 8, 2021, will not cause a conversion of prime farmland.

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

Sincerely,

![](_page_24_Picture_8.jpeg)

RICK NEILSON State Soil Scientist

#### **Dan Logsdon**

From:	Royer, Brian <broyer@dnr.in.gov></broyer@dnr.in.gov>
Sent:	Tuesday, October 19, 2021 2:54 PM
То:	Dan Logsdon
Subject:	RE: US 231 Drainage Improvements (Des. No. 2101215) - Early Coordination Letter
Follow Up Flag:	Follow up
Flag Status:	Flagged

There are no records of any oil and gas related issues that will be encountered near this project area.

Thanks,

Brian Royer Orphan Well Manager Indiana Department of Natural Resources Division of Oil & Gas Cell- 317-417-6556 www.dnr.IN.gov

\* Please let us know about the quality of our service by taking this brief customer survey.

From: Dan Logsdon <dlogsdon@HNTB.com>

**Sent:** Friday, October 08, 2021 5:13 PM

To: Royer, Brian <BRoyer@dnr.IN.gov>; Falls, Ryan G <RFalls@indot.IN.gov>; DNR Environmental Review <environmentalreview@dnr.IN.gov>; Neilson, Rick - NRCS, Indianapolis, IN <rick.neilson@in.usda.gov>; RegulatoryApplicationsLRL@usace.army.mil; Carmany-George, Karstin (FHWA) <k.carmanygeorge@dot.gov>; McWilliams, Robin <robin\_mcwilliams@fws.gov>; Mwro\_Compliance@nps.gov; Turnbow, Alisha <ATurnbow@idem.IN.gov>; Amick, Kevin R -FS <kamick@fs.fed.us>; stormwater@jasperindiana.gov; krbrosmer@duboiscountyin.org; slberg@duboiscountyin.org; gbuechlein@gjcs.k12.in.us; lagranget@swdubois.k12.in.us; sschwinghamer@huntingburg-in.gov; Erik.r.sandstedt@hud.gov Cc: Richard Connolly <rconnolly@HNTB.com>; Wright, Kristy <KWright@indot.IN.gov>; Shelby.Ruffner@in.nacdnet.net; Allen, Michelle (FHWA) <michelle.allen@dot.gov>

Subject: US 231 Drainage Improvements (Des. No. 2101215) - Early Coordination Letter

# \*\*\*\* This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. \*\*\*\*

The Indiana Department of Transportation (INDOT) and Federal Highway Administration (FHWA) intend to proceed with a project involving US 231 in Dubois County, Indiana. Please see the attached early coordination letter as part of the early coordination phase of the environmental review process. We request comments from you within your area of expertise regarding any potential environmental or community effects associated with this proposed project. Please use the above designation number and description in your reply. We will incorporate your comments into a study of the project's environmental effects.

This study will be conducted in accordance with the National Environmental Policy Act (NEPA). INDOT and FHWA have not yet determined the NEPA class of action for the project (i.e., Categorical Exclusion, Environmental Assessment, or Environmental Impact Statement). This determination will be made once more details about the proposed action are defined.

THIS IS	NOT A	PERMIT
---------	-------	--------

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

Early Coordination/Environmental Assessment

DNR #:	ER-24127	Request Received: October 8, 2021	
Requestor:	HNTB Corpo Dan Logsdor 111 Monume Indianapolis,	B Corporation Logsdon Monument Circle, Suite 1200 Inapolis, IN 46204-5178	
Project:		US 231 HMA overlay and drainage improvements, from 1.20 miles to 0.88 mile south of SR 64, Huntingburg; Des #2101215	
County/Site info:		Dubois	
		The Indiana Department of Natural Resources has reviewed the above referenced project per your request. Our agency offers the following comments for your information and in accordance with the National Environmental Policy Act of 1969.	
		If our agency has regulatory jurisdiction over the project, the recommendations contained in this letter may become requirements of any permit issued. If we do not have permitting authority, all recommendations are voluntary.	
Regulatory As	ssessment:	Formal approval by the Department of Natural Resources under the regulatory programs administered by the Division of Water is not required for this project.	
Natural Herita	ige Database:	The Natural Heritage Program's data have been checked. The federally protected Bald Eagle (Haliaeetus leucocephalus) has been documented within 1/2 mile of the project area.	
Fish & Wildlife Comments:		Avoid and minimize impacts to fish, wildlife, and botanical resources to the greatest extent possible, and compensate for impacts. The following are recommendations that address potential impacts identified in the proposed project area:	
		1) Bald Eagle: The Bald Eagle is no longer a state species of special concern. However, this species is still federally protected (see https://www.fws.gov/midwest/eagle/history/protections.html). The recommended buffer between any disturbance and an active eagle nest is 660 feet. To minimize impacts to Bald Eagles, follow the National Bald Eagle Management Guidelines found at http://www.fws.gov/midwest/eagle/pdf/NationalBaldEagleManagementGuidelines.pdf. Please contact the US Fish and Wildlife Service if further consultation is needed regarding Bald Eagles.	
		2) Riparian Habitat: We recommend a mitigation plan be developed for any unavoidable habitat impacts that will occur. The DNR's Habitat Mitigation Guidelines (and plant lists) can be found online at: http://iac.iga.in.gov/iac/20200527-IR-312200284NRA.xml.pdf.	
		Impacts to non-wetland forest of one (1) acre or more should be mitigated at a minimum 2:1 ratio. If less than one acre of non-wetland forest is removed in a rural setting, replacement should be at a 1:1 ratio based on area. Impacts to non-wetland forest under one (1) acre in an urban setting should be mitigated by planting five trees, 1 inch to 2 inches in diameter-at-breast height (dbh), for each tree which is removed that is 10" 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	

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

Early Coordination/Environmental Assessment		
	under 0.10 acre in an urban area 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.	
	<ul> <li>The additional measures listed below should be implemented to avoid, minimize, or compensate for impacts to fish, wildlife, and botanical resources: <ol> <li>Revegetate all bare and disturbed areas with a mixture of grasses (excluding all varieties of tall fescue), legumes, and native shrub and hardwood tree species as soon as possible upon completion.</li> <li>Minimize and contain within the project limits inchannel disturbance and the clearing of trees and brush.</li> <li>Do not cut any trees suitable for Indiana bat or Northern Long-eared bat roosting (greater than 5 inches dbh, living or dead, with loose hanging bark, or with cracks, crevices, or cavities) from April 1 through September 30.</li> <li>Appropriately designed measures for controlling erosion and sediment must be implemented to prevent sediment from entering the stream or leaving the construction site; maintain these measures until construction is complete and all disturbed areas are stabilized.</li> <li>Seed and protect all disturbed streambanks and slopes not protected by other methods that are 3:1 or steeper with erosion control blankets that are heavy-duty, biodegradable, and net free or that use loose-woven / Leno-woven netting to minimize the entrapment and snaring of small-bodied wildlife such as snakes and turtles (follow manufacturer's recommendations for selection and installation); seed and apply mulch on all other disturbed areas.</li> </ol> </li> </ul>	
Contact Staff:	Christie L. Stanifer, Environ. Coordinator, Fish & Wildlife Our agency appreciates this opportunity to be of service. Please contact the above staff member at (317) 232-4080 if we can be of further assistance.	

Christie L. Stanifer Date: November 5, 2021

Christie L. Stanifer Environ. Coordinator Division of Fish and Wildlife