

**INTEROFFICE MEMORANDUM**

February 27, 2025

**TO:** Master Files

**FROM:** for Josh Seagraves, Division Head – Environmental *KB*

**SUBJECT:** Pavement Friction Improvement Projects  
Multiple Jobs and FAPs  
Various Counties  
Tier 1 Categorical Exclusion

After appropriate environmental review, it has been determined that the subject jobs are a Tier 1 Categorical Exclusion as described by the ARDOT/FHWA Programmatic Agreement on Categorical Exclusion Documentation and Processing. A public hearing will not be offered for these projects.

The purpose of the proposed projects is to reduce roadway departure crashes during wet pavement conditions at various locations on existing highways throughout the state. The attached table lists the proposed projects and their locations. Project location maps and cultural resources clearances are also attached.

These projects would not involve relocations or impacts to Important Farmlands, wetlands, underground storage tanks, hazardous materials, or cultural resources. These projects have been determined to generate minimal air quality impacts for Clean Air Act criteria pollutants and has not been linked with any special mobile source air toxics concerns.

The attached official species lists obtained through the US Fish and Wildlife Service's (USFWS) Information for Planning and Consultation identified the following species as potentially occurring within the project areas: Gray bat (*Myotis grisescens*), Indiana bat (*Myotis sodalis*), Northern Long-eared Bat (*Myotis septentrionalis*), Ozark Big-eared Bat (*Corynorhinus townsendii ingens*), Tricolored Bat (*Perimyotis subflavus*), Eastern Black Rail (*Laterallus jamaicensis ssp. jamaicensis*), Ivory-Billed Woodpecker (*Campephilus principalis*), Piping Plover (*Charadrius melodus*), Rufa Red Knot (*Calidris canutus rufa*), Red-Cockaded Woodpecker (*Picoides borealis*), Alligator Snapping Turtle (*Macrochelys temminckii*), Ozark Hellbender (*Cryptobranchus alleganiensis bishopi*), Ozark Cavefish (*Amblyopsis rosae*), Yellowcheek Darter (*Etheostoma moorei*), Arkansas Fatmucket (*Lampsilis powellii*), Curtis Pearlymussel (*Epioblasma curtisii*), Neosho Mucket (*Lampsilis rafinesqueana*), Ouachita Fanshell (*Cyprogenia sp. cf. aberti*), Ouachita Rock Pocketbook (*Arcidens wheeleri*), Pick Mucket (*Lampsilis abrupta*), Rabbitsfoot (*Theliderma cylindrica*), Salamander Mussel (*Simpsonaias ambigua*), Scaleshell Mussel (*Potamilus leptodon*), Snuffbox Mussel (*Epioblasma triquetra*), Speckled Pocketbook (*Lampsilis streckeri*), Spectaclecase (*Cumberlandia monodonta*), Western Fanshell (*Cyprogenia aberti*), Winged Mapleleaf (*Quadrula fragosa*), Monarch Butterfly (*Danaus plexippus*), Western Regal Fritillary (*Argynnis idalia occidentalis*), Benton County Cave Crayfish (*Cambarus aculabrum*), Hell Creek Cave Crayfish (*Cambarus zophonastes*), harperella (*Ptilimnium*

Pavement Friction Improvement Projects

Tier 1 Categorical Exclusion

Page 2 of 2

*nodosum*), Missouri bladderpod (*Physaria filiformis*), and pondberry (*Lindera melissifolia*). These projects would have “no effect” on the aforementioned federally listed species due to the limited scope of the action, lack of suitable habitat, and distance to known species locations. In addition, the proposed projects would have “no effect” on the listed critical habitats within the project areas.

The Alligator Snapping Turtle, Western Regal Fritillary, and Monarch Butterfly are currently proposed threatened species, and the Tricolored Bat is a proposed endangered species; however, the proposed projects would not jeopardize the continued existence of any of these species.

These projects would not have a discharge of dredged or fill material into waters of the United States; therefore, a Section 404 permit will not be required.

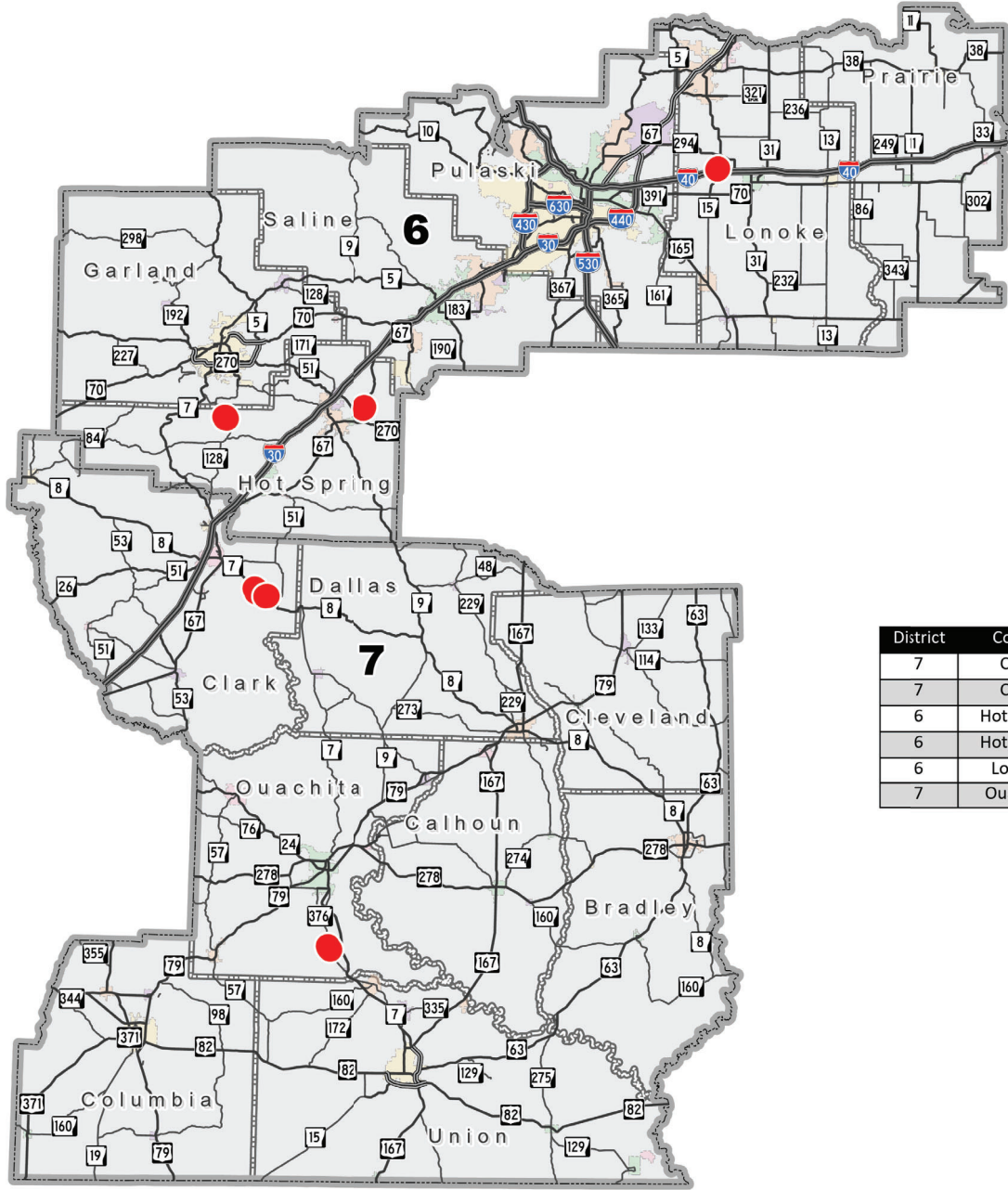
Attachments

c: Program Management  
Right of Way  
Roadway  
Districts 2, 3, 5, 6, 7, 8, and 9  
FHWA

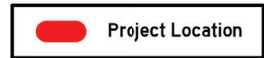
JS:MS:sw

Job Number	Job Name	FAP	District	County	Route	Section	Begin LM	End LM	Direction
012538	Districts 6 & 7 Pavement Friction Impvts. (HFST) (S)	HSIP-0076(376)	7	Clark	Hwy. 7	6	6.353	6.972	A
			7	Clark	Hwy. 7	6	4.799	5.099	A
			6	Hot Spring	Hwy. 67	8	4.620	4.890	A
			6	Hot Spring	Hwy. 128	8	3.100	3.760	A
			6	Lonoke	Hwy. 15	11	3.527	3.728	A
			7	Ouachita	Hwy. 376	0	3.600	4.150	A
012539	Districts 5, 8 & 9 Pavement Friction Impvts. (UTBWC) (S)	HSIP-0076(377)	9	Newton	Hwy. 7	18	16.900	18.200	A
			8	Van Buren	Hwy. 65	7	0.190	1.700	A
			5	Independence	Hwy. 167	18	8.000	9.080	A
012540	Districts 3 & 7 Pavement Friction Impvts. (UTBWC) (S)	HSIP-2952(1)	3	Hempstead	I-30	12	27.240	29.180	A
			7	Ouachita	Hwy. 76	2	5.400	6.300	A
012541	Districts 2, 6 & 8 Pavement Friction Impvts. (UTBWC) (S)	HSIP-0076(378)	6	Pulaski	I-430	21	6.400	7.500	A
			2	Jefferson	I-530	5	17.610	18.760	B
			6	Hot Spring	Hwy. 7	8	13.800	14.380	A
			8	Faulkner	Hwy. 64	9	5.700	6.700	A
			6	Garland	Hwy. 70	9	3.480	8.100	A
012542	Districts 5 & 9 Pavement Friction Impvts. (HFST) (S)	HSIP-0076(379)	9	Baxter	Hwy. 62	10	0.400	0.600	A
			9	Baxter	Hwy. 178	3	0.000	0.100	A
			9	Baxter	Hwy. 126	1	3.830	4.050	A
			9	Benton	Hwy. 72	3	12.540	12.640	A
			9	Benton	Hwy. 62	2	9.860	10.060	A
			9	Benton	Hwy. 12	3	3.350	4.080	A
			9	Boone	Hwy. 7	20	5.250	5.880	A
			9	Carroll	Hwy. 62	4	8.280	8.480	A
			9	Carroll	Hwy. 221	1	0.900	1.400	A
			9	Newton	Hwy. 7	18	13.272	13.384	A
			9	Newton	Hwy. 7	18	13.943	14.179	A
			9	Searcy	Hwy. 65	5	2.210	2.600	A

<b>Job Number</b>	<b>Job Name</b>	<b>FAP</b>	<b>District</b>	<b>County</b>	<b>Route</b>	<b>Section</b>	<b>Begin LM</b>	<b>End LM</b>	<b>Direction</b>
012542	Districts 5 & 9 Pavement Friction Impvts. (HFST) (S)	HSIP-0076(379)	9	Searcy	Hwy. 65	5	4.730	5.170	A
			9	Searcy	Hwy. 65	5	5.470	5.930	A
			9	Searcy	Hwy. 65	5	6.161	6.307	A
			5	Sharp	Hwy. 63	2B	1.230	1.370	A
			5	Sharp	Hwy. 63	601	0.000	0.020	A
			5	Sharp	Hwy. 175	1	12.840	12.940	A
			5	White	Hwy. 36	3	16.070	16.300	A
			5	White	Hwy. 157	1	2.190	2.420	A
090742	District 9 Pavement Friction Impvts. (UTBWC) (S)	HSIP-0076(375)	9	Benton	I-49	29	74.300	76.300	A
			9	Benton	Hwy. 16	1	3.410	3.781	A
			9	Carroll	Hwy. 23	11	4.800	6.680	A
			9	Benton	Hwy. 62	2	8.280	8.637	A
			9	Benton	Hwy. 94	1	4.000	5.220	A

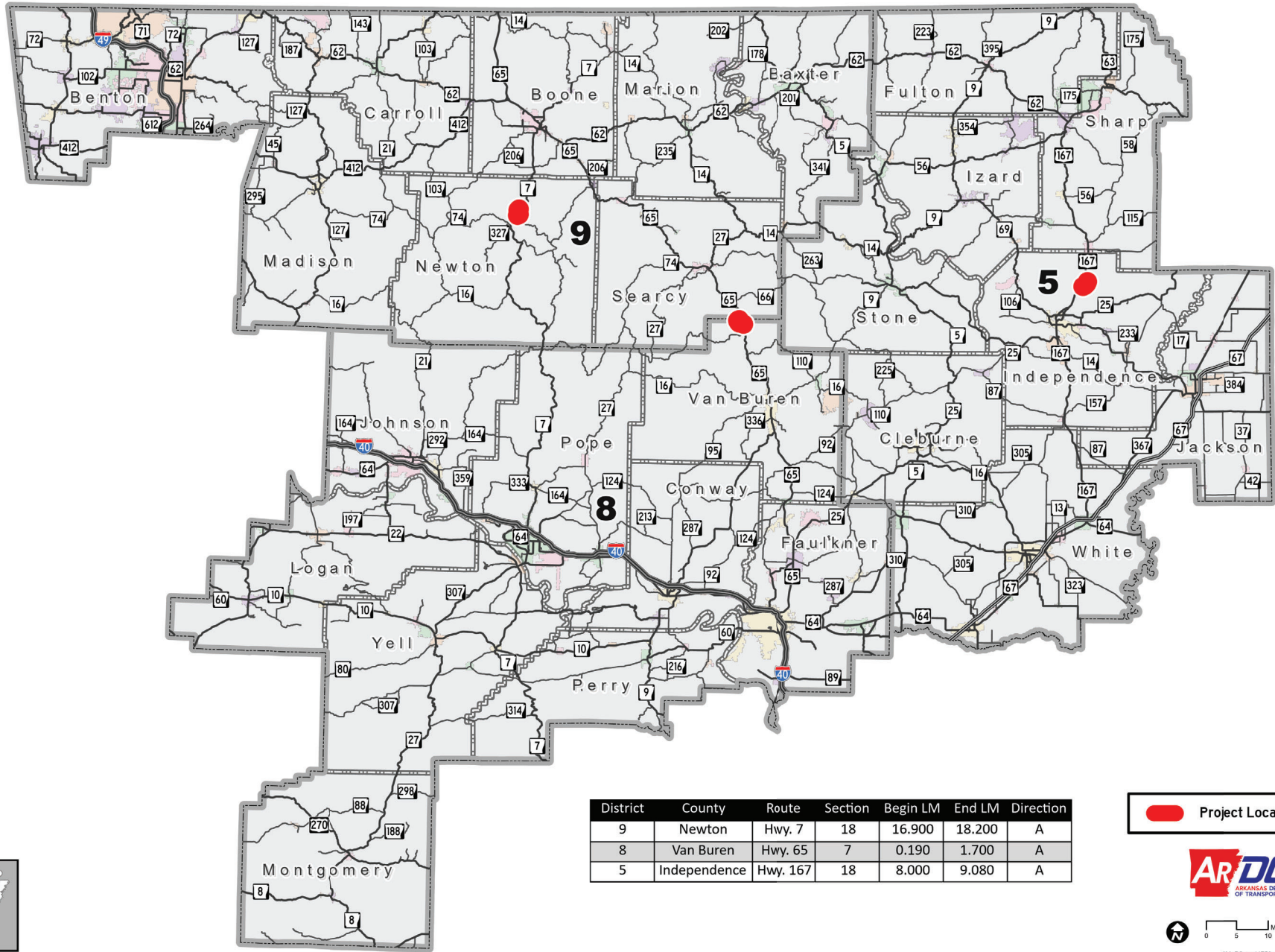


District	County	Route	Section	Begin LM	End LM	Direction
7	Clark	Hwy. 7	6	6.353	6.972	A
7	Clark	Hwy. 7	6	4.799	5.099	A
6	Hot Spring	Hwy. 67	8	4.620	4.890	A
6	Hot Spring	Hwy. 128	8	3.100	3.760	A
6	Lonoke	Hwy. 15	11	3.527	3.728	A
7	Ouachita	Hwy. 376	0	3.600	4.150	A



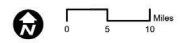
PM: PS: cp44759: 11/27/2024





District	County	Route	Section	Begin LM	End LM	Direction
9	Newton	Hwy. 7	18	16.900	18.200	A
8	Van Buren	Hwy. 65	7	0.190	1.700	A
5	Independence	Hwy. 167	18	8.000	9.080	A

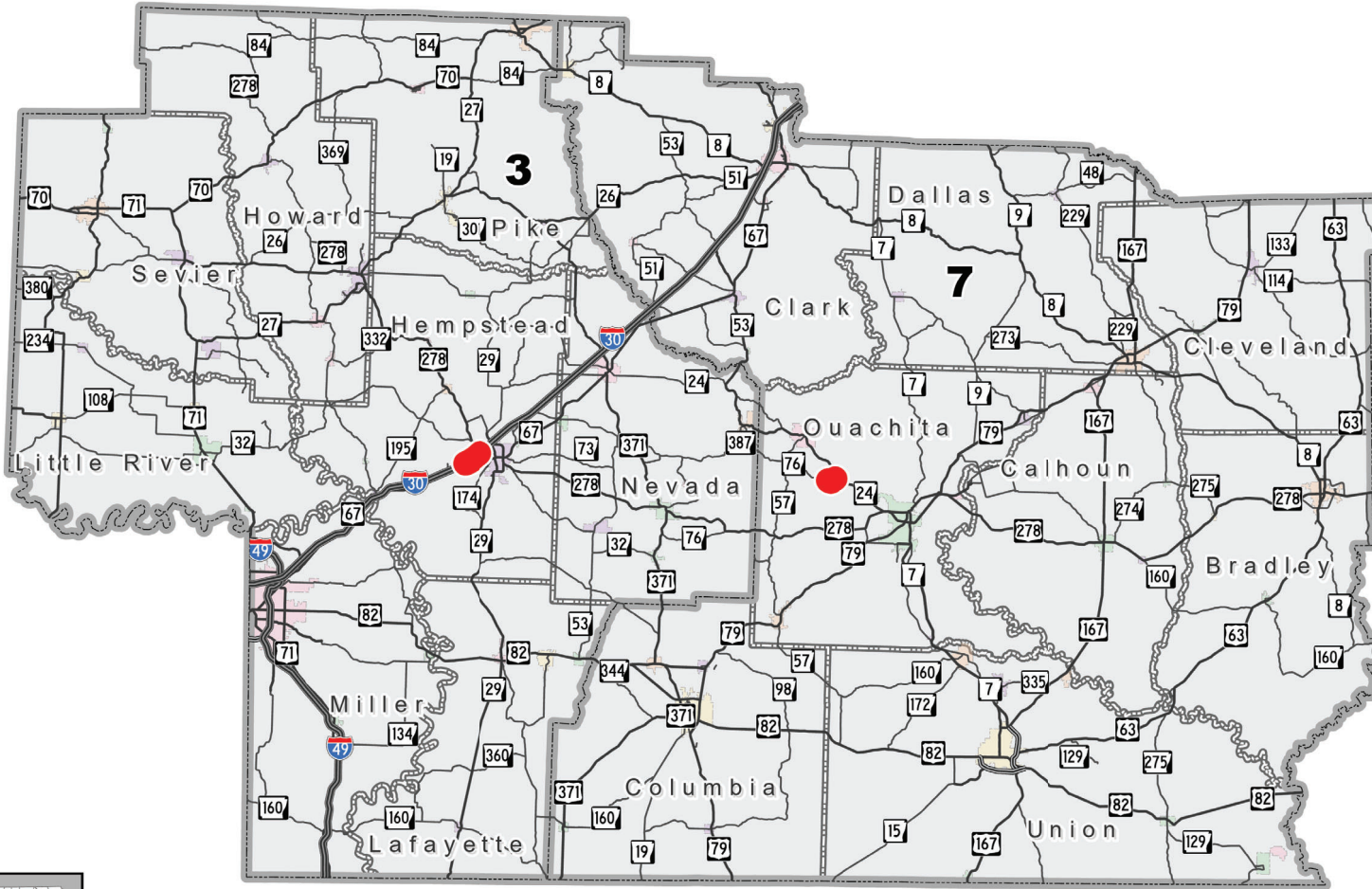
 Project Location



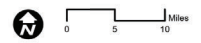
PM: PS: cp44759: 11/27/2024



District	County	Route	Section	Begin LM	End LM	Direction
3	Hempstead	I-30	12	27.240	29.180	A
7	Ouachita	Hwy. 76	2	5.400	6.300	A



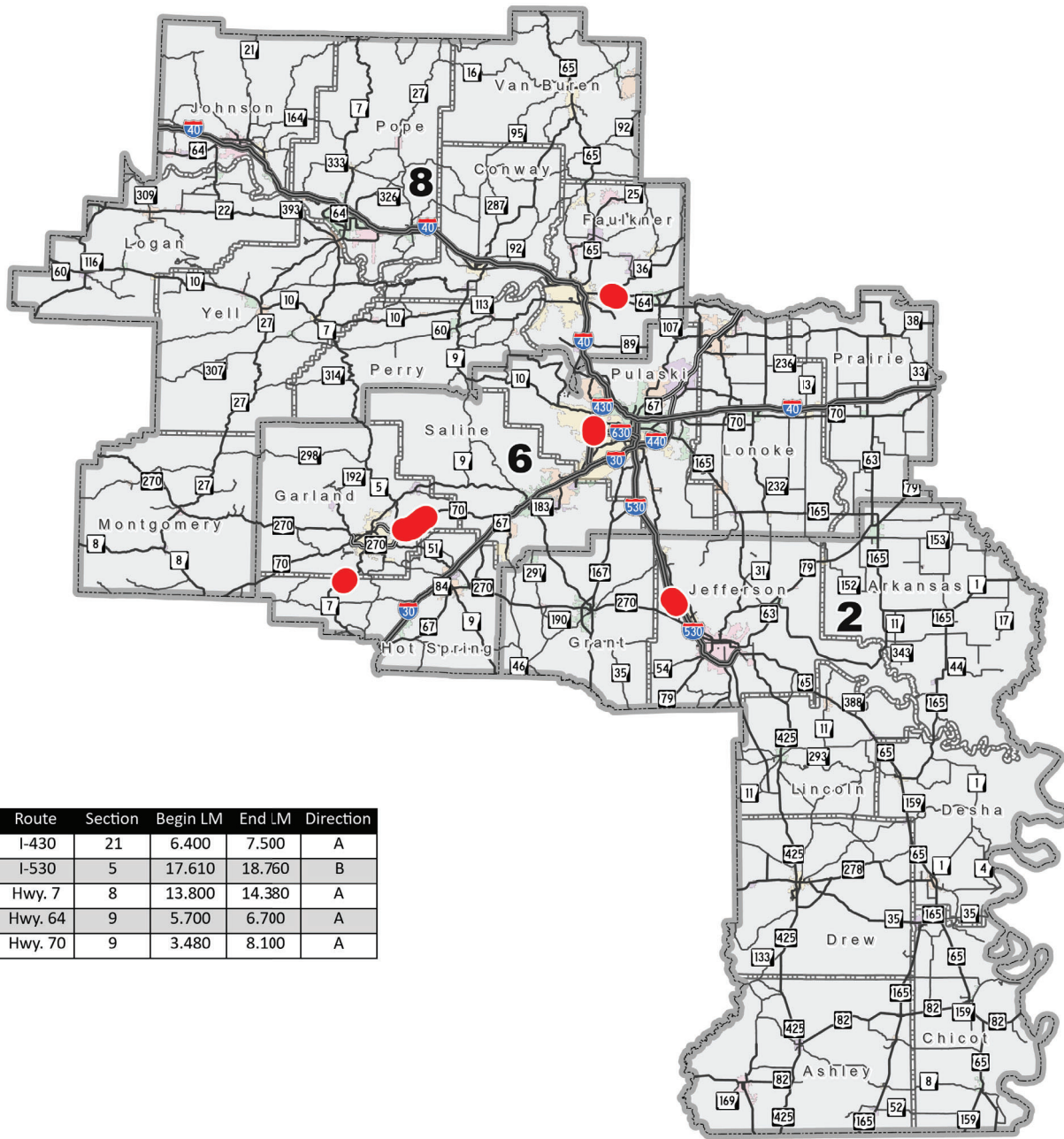
 Project Location



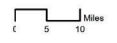
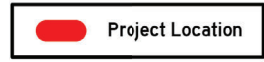
PM: PS: cp44759: 11/27/2024

# Job 012541

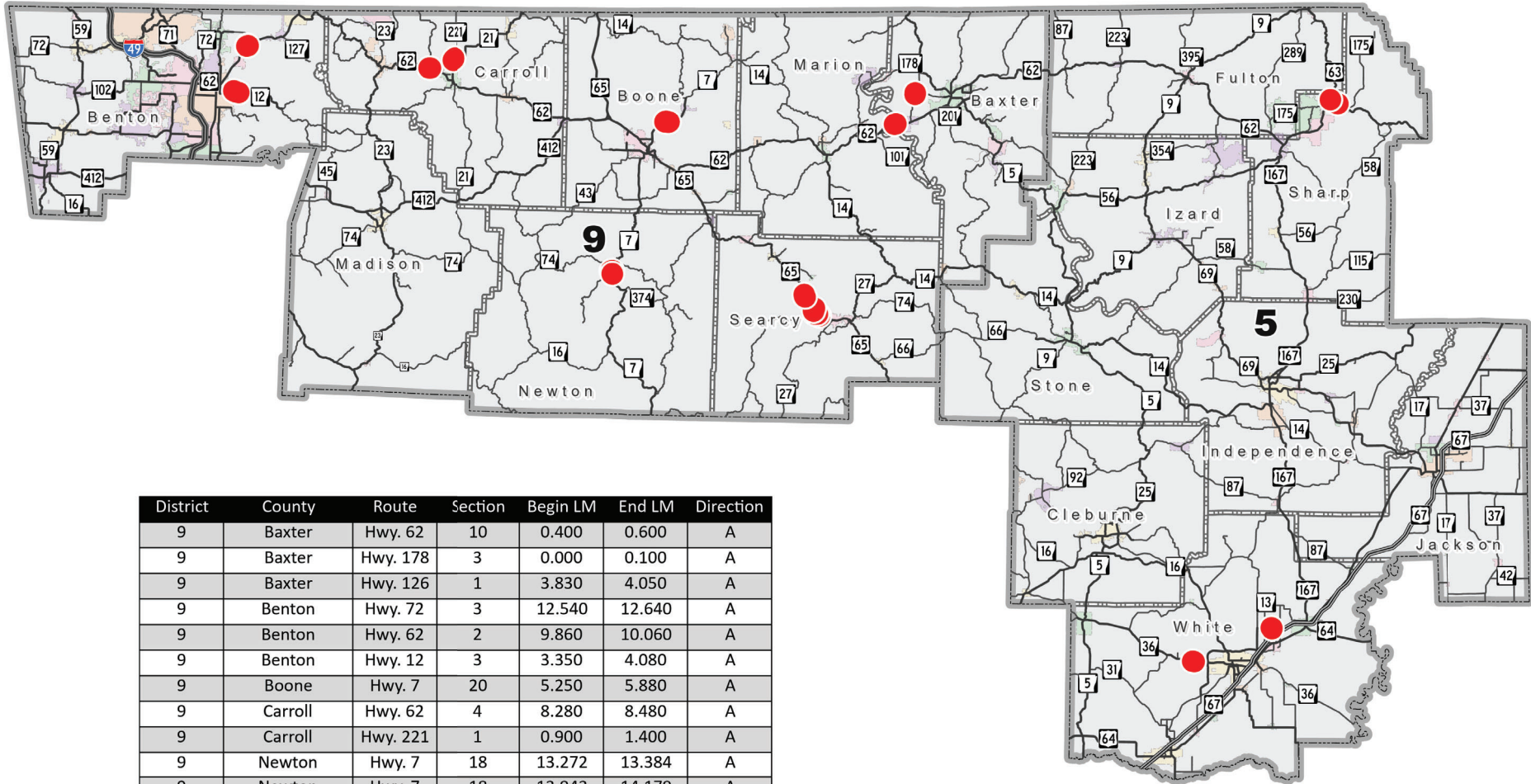
## Districts 2, 6 & 8 Pavement Friction Impvts. (UTBWC) (S)



District	County	Route	Section	Begin LM	End LM	Direction
6	Pulaski	I-430	21	6.400	7.500	A
2	Jefferson	I-530	5	17.610	18.760	B
6	Hot Spring	Hwy. 7	8	13.800	14.380	A
8	Faulkner	Hwy. 64	9	5.700	6.700	A
6	Garland	Hwy. 70	9	3.480	8.100	A



PM: PS: cp44759: 11/27/2024

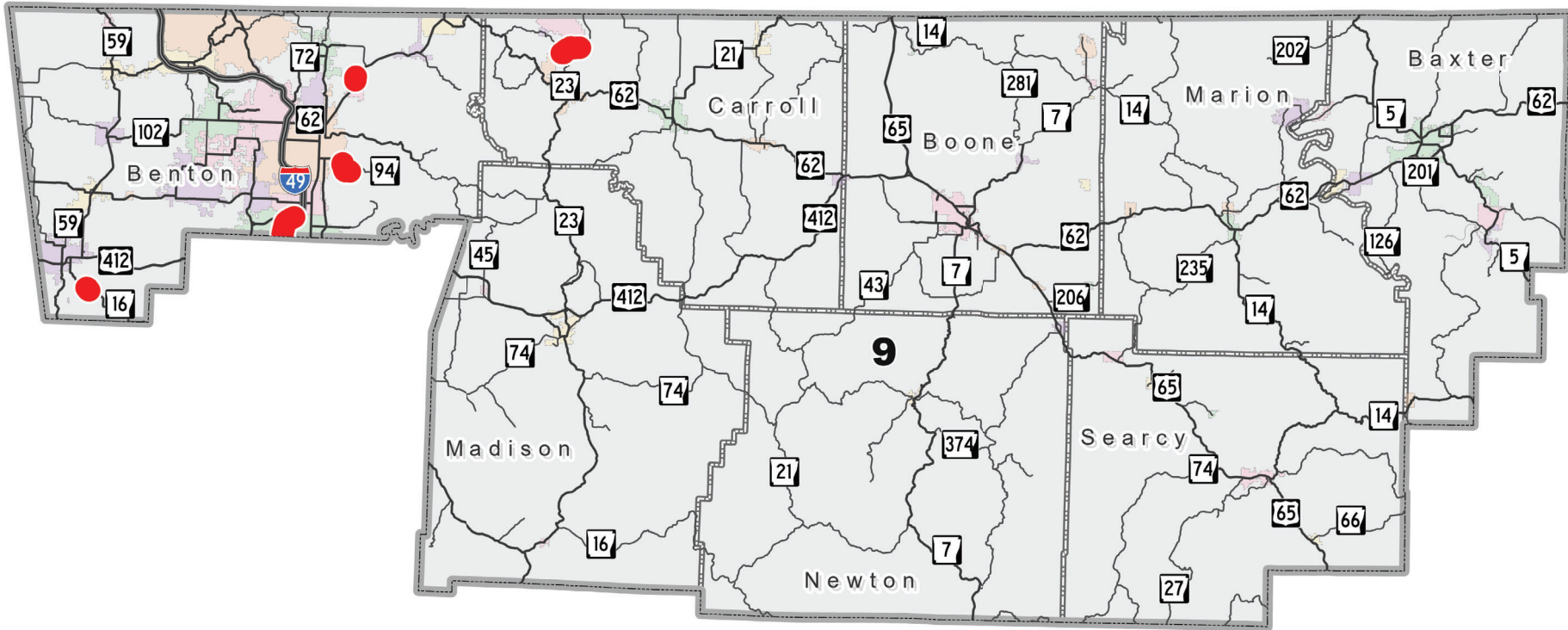


District	County	Route	Section	Begin LM	End LM	Direction
9	Baxter	Hwy. 62	10	0.400	0.600	A
9	Baxter	Hwy. 178	3	0.000	0.100	A
9	Baxter	Hwy. 126	1	3.830	4.050	A
9	Benton	Hwy. 72	3	12.540	12.640	A
9	Benton	Hwy. 62	2	9.860	10.060	A
9	Benton	Hwy. 12	3	3.350	4.080	A
9	Boone	Hwy. 7	20	5.250	5.880	A
9	Carroll	Hwy. 62	4	8.280	8.480	A
9	Carroll	Hwy. 221	1	0.900	1.400	A
9	Newton	Hwy. 7	18	13.272	13.384	A
9	Newton	Hwy. 7	18	13.943	14.179	A
9	Searcy	Hwy. 65	5	2.210	2.600	A
9	Searcy	Hwy. 65	5	4.730	5.170	A
9	Searcy	Hwy. 65	5	5.470	5.930	A
9	Searcy	Hwy. 65	5	6.161	6.307	A
5	Sharp	Hwy. 63	2B	1.230	1.370	A
5	Sharp	Hwy. 63	601	0.000	0.020	A
5	Sharp	Hwy. 175	1	12.840	12.940	A
5	White	Hwy. 36	3	16.070	16.300	A
5	White	Hwy. 157	1	2.190	2.420	A

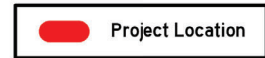


PM: PS: cp44759: 12/19/2024





District	County	Route	Section	Begin LM	End LM	Direction
9	Benton	I-49	29	74.300	76.300	A
9	Benton	Hwy. 16	1	3.410	3.781	A
9	Carroll	Hwy. 23	11	4.800	6.680	A
9	Benton	Hwy. 62	2	8.280	8.637	A
9	Benton	Hwy. 94	1	4.000	5.220	A



PM: PS: cp44759: 11/27/2024



# INTEROFFICE MEMORANDUM

---

January 13, 2025

**TO:** Environmental Job File

**FROM:** Daniel Hildebran, Cultural Resources  
*Daniel Hildebran*

**SUBJECT:** Cultural Resources Clearance  
Job 012538  
Districts 6 & 7 Pavement Friction  
Impvts. (HFST) (S)  
Various Routes and Sections  
Various Counties

This project proposes to apply UTBWC and add pavement friction improvements to selection sections of Highways 7, 15, 67, 128, and 376 in Clark, Hot Spring, Lonoke, and Ouachita Counties (See Table in Categorical Exclusion). All work will take place on existing paved surfaces.

This project is subject to the 2024 Amended Programmatic Agreement and falls under Activity D in Appendix A. The project is exempt from further work or Section 106 review.



# INTEROFFICE MEMORANDUM

---

February 27, 20254

**TO:** Job File  
M H

**FROM:** M. Hughes, Cultural Resources

**SUBJECT:** Cultural Resources Clearance  
Job 012539  
Districts 5, 8, & 9  
Pavement Friction Impvts. (UTBWC) (S)  
Various Routes and Sections  
Various Counties

This job proposes to apply UTBWC and add pavement friction improvements to select sections of Highways 7, 65, and 167 in Newton, Van Buren, and Independence Counties (See Table in Categorical Exclusion). All work will take place on existing paved surfaces.

This project is subject to the 2024 Amended Programmatic Agreement and falls under Activity D of Appendix A. The project is exempted from further work or Section 106 review.



ARDOT.gov | Jared D. Wiley, P.E., Director

10324 Interstate 30 | P.O. Box 2261, Little Rock, AR 72203-2261


Phone: (501) 569-2000 | Voice/TTY 711 | Fax: (501) 569-2400

## INTEROFFICE MEMORANDUM

January 21, 2025

**TO:** Assessments

**FROM:** Wm. Lane Shields, Cultural Resources Section



**SUBJECT:** Cultural Resources Clearance  
Job 012540  
Districts 3 & 7 Pavement Friction  
Impvts. (UTBWC)  
Route I-30, Section 12  
Route 76, Section 2  
Hempstead & Ouachita Counties

This project proposes to apply Ultrathin Bonded Wear Course (UTBWC) and add pavement friction improvements to 1.94 miles of I-30, southwest of Hope in Hempstead County, and 0.9 miles of Hwy. 76, northeast of Camden, in Ouachita County (See Table in Categorical Exclusion). All work will take place on existing paved surfaces.

This project is subject to the 2024 Programmatic Agreement and falls under Activity D in Appendix A. The project is exempted from further work or Section 106 review.



# INTEROFFICE MEMORANDUM

---

January 14, 2025

**TO:** Job File

**FROM:** Shelby Linck, Cultural Resources Section *SL*

**SUBJECT:** Cultural Resources Clearance  
Job 012541  
Districts 2, 6 & 8 Pavement Friction  
Impvts. (UTBWC) (S)  
Various Routes  
Various Counties

The Arkansas Department of Transportation (ARDOT) proposes to complete pavement friction improvements (UTBWC) on various routes and in various counties within Districts 2, 6, and 8 (See Table in Categorical Exclusion). This project is subject to the 2024 Amended Programmatic Agreement and falls under Activity C in Appendix A. This project is exempt from further work or Section 106 review.




# INTEROFFICE MEMORANDUM

---

January 14, 2024

**TO:** Environmental Job File

**FROM:** Jason Kennedy, Cultural Resources Section  


**SUBJECT:** Cultural Resources Clearance  
Job 012542  
Districts 5 & 9 Pavement Friction  
Impvts. (HFST) (S)  
Various Routes and Sections  
Various Counties

This job proposes to apply Ultrathin Bonded Wear Course and add pavement friction improvements to select sections of various Highways in Baxter, Benton, Boone, Carroll, Newton, Searcy, Sharp, and White Counties (See Table in Categorical Exclusion). All work will take place on existing paved surfaces.

This project is subject to the 2024 Programmatic Agreement and falls under Activities C & D in Appendix A. The project is exempted from further work or Section 106 review.



ARKANSAS DEPARTMENT OF TRANSPORTATION

ArDOT.gov | IDriveArkansas.com | Lorie H. Tudor, P.E., Director

10324 Interstate 30 | P.O. Box 2261 | Little Rock, AR 72203-2261 | Phone: 501.569.2000

## INTEROFFICE MEMORANDUM

---

January 14, 2025

**TO:** Environmental Job File

**FROM:** Jason Wilhelmi, Cultural Resources

JW

**SUBJECT:** Cultural Resources Clearance  
Job 090742  
District 9 Pavement Friction Impvts.  
(UTBWC) (S)  
Various Routes and Sections  
Various Counties

This job proposes to apply UTBWC and add pavement friction improvements to select sections of Highways 49, 16, 23, 62, and 94 in Benton and Carroll Counties (See Table in Categorical Exclusion). All work will take place on existing paved surfaces.

This project is subject to the 2024 Amended Programmatic Agreement and falls under Activities C & D in Appendix A. The project is exempted from further work or Section 106 review.



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Arkansas Ecological Services Field Office  
110 South Amity Suite 300  
Conway, AR 72032-8975  
Phone: (501) 513-4470 Fax: (501) 513-4480

In Reply Refer To:

01/13/2025 19:35:51 UTC

Project Code: 2025-0041257

Project Name: Pavement Friction Impvts. - Jobs 012538, 012539, 012540, 012541, 012542, & 090742

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

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

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

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

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2))

(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

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

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

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

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

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

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

**Note:** IPaC has provided all available attachments because this project is in multiple field office jurisdictions.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

## OFFICIAL SPECIES LIST

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

This species list is provided by:

### **Arkansas Ecological Services Field Office**

110 South Amity Suite 300  
Conway, AR 72032-8975  
(501) 513-4470

This project's location is within the jurisdiction of multiple offices. However, only one species list document will be provided for all offices. The species and critical habitats in this document reflect the aggregation of those that fall in each of the affiliated office's jurisdiction. Other offices affiliated with the project:

### **Missouri Ecological Services Field Office**

101 Park Deville Drive  
Suite A  
Columbia, MO 65203-0057  
(573) 234-2132

### **Oklahoma Ecological Services Field Office**

9014 East 21st Street  
Tulsa, OK 74129-1428  
(918) 581-7458

## PROJECT SUMMARY

Project Code: 2025-0041257

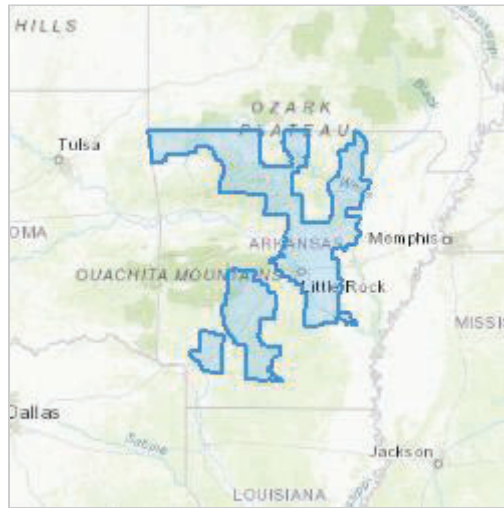
Project Name: Pavement Friction Impvts. - Jobs 012538, 012539, 012540, 012541, 012542, & 090742

Project Type: Road/Hwy - Maintenance/Modification

Project Description: Friction improvements on existing roadways at various locations to reduce roadway departure and crashes during wet pavement conditions.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@35.280777,-91.94801585263306,14z>



Counties: Arkansas and Missouri

## ENDANGERED SPECIES ACT SPECIES

There is a total of 35 threatened, endangered, or candidate species on this species list.

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

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

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

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

**MAMMALS**

NAME	STATUS
Gray Bat <i>Myotis grisescens</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6329">https://ecos.fws.gov/ecp/species/6329</a>	Endangered
Indiana Bat <i>Myotis sodalis</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/5949">https://ecos.fws.gov/ecp/species/5949</a> General project design guidelines: <a href="https://ipac.ecosphere.fws.gov/project/YA6JZPYOFJD25GRE7Z6QSO2BBQ/documents/generated/7280.pdf">https://ipac.ecosphere.fws.gov/project/YA6JZPYOFJD25GRE7Z6QSO2BBQ/documents/generated/7280.pdf</a>	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a> General project design guidelines: <a href="https://ipac.ecosphere.fws.gov/project/YA6JZPYOFJD25GRE7Z6QSO2BBQ/documents/generated/7280.pdf">https://ipac.ecosphere.fws.gov/project/YA6JZPYOFJD25GRE7Z6QSO2BBQ/documents/generated/7280.pdf</a>	Endangered
Ozark Big-eared Bat <i>Corynorhinus (=Plecotus) townsendii ingens</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7245">https://ecos.fws.gov/ecp/species/7245</a>	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10515">https://ecos.fws.gov/ecp/species/10515</a>	Proposed Endangered

**BIRDS**

NAME	STATUS
Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10477">https://ecos.fws.gov/ecp/species/10477</a>	Threatened
Ivory-billed Woodpecker <i>Campephilus principalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/8230">https://ecos.fws.gov/ecp/species/8230</a>	Endangered
Piping Plover <i>Charadrius melodus</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6039">https://ecos.fws.gov/ecp/species/6039</a>	Threatened
Red-cockaded Woodpecker <i>Dryobates borealis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7614">https://ecos.fws.gov/ecp/species/7614</a>	Threatened
Rufa Red Knot <i>Calidris canutus rufa</i>	Threatened

NAME	STATUS
There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1864">https://ecos.fws.gov/ecp/species/1864</a>	

## REPTILES

NAME	STATUS
Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4658">https://ecos.fws.gov/ecp/species/4658</a>	Proposed Threatened

## AMPHIBIANS

NAME	STATUS
Ozark Hellbender <i>Cryptobranchus alleganiensis bishopi</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/647">https://ecos.fws.gov/ecp/species/647</a>	Endangered

## FISHES

NAME	STATUS
Ozark Cavefish <i>Amblyopsis rosae</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6490">https://ecos.fws.gov/ecp/species/6490</a>	Threatened
Yellowcheek Darter <i>Etheostoma moorei</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/7871">https://ecos.fws.gov/ecp/species/7871</a>	Endangered

## CLAMS

NAME	STATUS
Arkansas Fatmucket <i>Lampsilis powellii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/2213">https://ecos.fws.gov/ecp/species/2213</a>	Threatened
Curtis Pearlymussel <i>Epioblasma curtisii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5628">https://ecos.fws.gov/ecp/species/5628</a>	Endangered
Neosho Mucket <i>Lampsilis rafinesqueana</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/3788">https://ecos.fws.gov/ecp/species/3788</a>	Endangered
Ouachita Fanshell <i>Cyprogenia sp. cf. aberti</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/10889">https://ecos.fws.gov/ecp/species/10889</a>	Threatened
Ouachita Rock Pocketbook <i>Arcidens wheeleri</i>	Endangered

NAME	STATUS
No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4509">https://ecos.fws.gov/ecp/species/4509</a>	
Pink Mucket (pearlymussel) <i>Lampsilis abrupta</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7829">https://ecos.fws.gov/ecp/species/7829</a>	Endangered
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/5165">https://ecos.fws.gov/ecp/species/5165</a>	Threatened
Salamander Mussel <i>Simpsonaias ambigua</i> There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6208">https://ecos.fws.gov/ecp/species/6208</a>	Proposed Endangered
Scaleshell Mussel <i>Leptodea leptodon</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5881">https://ecos.fws.gov/ecp/species/5881</a>	Endangered
Snuffbox Mussel <i>Epioblasma triquetra</i> There is <b>proposed</b> critical habitat for this species. Your location overlaps the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/4135">https://ecos.fws.gov/ecp/species/4135</a>	Endangered
Speckled Pocketbook <i>Lampsilis streckeri</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7869">https://ecos.fws.gov/ecp/species/7869</a>	Endangered
Spectaclecase (mussel) <i>Cumberlandia monodonta</i> There is <b>proposed</b> critical habitat for this species. Your location overlaps the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/7867">https://ecos.fws.gov/ecp/species/7867</a>	Endangered
Western Fanshell <i>Cyprogenia aberti</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6895">https://ecos.fws.gov/ecp/species/6895</a>	Threatened
Winged Mapleleaf <i>Quadrula fragosa</i> Population: Wherever found, except where listed as an experimental population No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4127">https://ecos.fws.gov/ecp/species/4127</a>	Endangered

## INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Proposed Threatened
Western Regal Fritillary <i>Argynnis idalia occidentalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/12017">https://ecos.fws.gov/ecp/species/12017</a>	Proposed Threatened

**CRUSTACEANS**

NAME	STATUS
Benton County Cave Crayfish <i>Cambarus aculabrum</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5011">https://ecos.fws.gov/ecp/species/5011</a>	Endangered
Hell Creek Cave Crayfish <i>Cambarus zophonastes</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/1552">https://ecos.fws.gov/ecp/species/1552</a>	Endangered

**FLOWERING PLANTS**

NAME	STATUS
Harperella <i>Ptilimnium nodosum</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/3739">https://ecos.fws.gov/ecp/species/3739</a>	Endangered
Missouri Bladderpod <i>Physaria filiformis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5361">https://ecos.fws.gov/ecp/species/5361</a>	Threatened
Pondberry <i>Lindera melissifolia</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/1279">https://ecos.fws.gov/ecp/species/1279</a>	Endangered

**CRITICAL HABITATS**

There are 7 critical habitats wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Neosho Mucket <i>Lampsilis rafinesqueana</i> <a href="https://ecos.fws.gov/ecp/species/3788#crithab">https://ecos.fws.gov/ecp/species/3788#crithab</a>	Final
Ouachita Fanshell <i>Cyprogenia sp. cf. aberti</i> <a href="https://ecos.fws.gov/ecp/species/10889#crithab">https://ecos.fws.gov/ecp/species/10889#crithab</a>	Final
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> <a href="https://ecos.fws.gov/ecp/species/5165#crithab">https://ecos.fws.gov/ecp/species/5165#crithab</a>	Final
Snuffbox Mussel <i>Epioblasma triquetra</i> <a href="https://ecos.fws.gov/ecp/species/4135#crithab">https://ecos.fws.gov/ecp/species/4135#crithab</a>	Proposed
Spectaclecase (mussel) <i>Cumberlandia monodonta</i> <a href="https://ecos.fws.gov/ecp/species/7867#crithab">https://ecos.fws.gov/ecp/species/7867#crithab</a>	Proposed
Western Fanshell <i>Cyprogenia aberti</i> <a href="https://ecos.fws.gov/ecp/species/6895#crithab">https://ecos.fws.gov/ecp/species/6895#crithab</a>	Final
Yellowcheek Darter <i>Etheostoma moorei</i> <a href="https://ecos.fws.gov/ecp/species/7871#crithab">https://ecos.fws.gov/ecp/species/7871#crithab</a>	Final

# USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

The following FWS National Wildlife Refuge Lands and Fish Hatcheries lie fully or partially within your project area:

FACILITY NAME	ACRES
BALD KNOB NATIONAL WILDLIFE REFUGE <a href="https://www.fws.gov/our-facilities?keywords=%5C%22BALD+KNOB+NATIONAL+WILDLIFE+REFUGE%5C%22">https://www.fws.gov/our-facilities?keywords=%5C%22BALD+KNOB+NATIONAL+WILDLIFE+REFUGE%5C%22</a>	15,436.079
FARM SERVICE AGENCY INTEREST OF AR <a href="https://www.fws.gov/our-facilities?keywords=%5C%22FARM+SERVICE+AGENCY+INTEREST+OF+AR%5C%22">https://www.fws.gov/our-facilities?keywords=%5C%22FARM+SERVICE+AGENCY+INTEREST+OF+AR%5C%22</a>	46.433
LOGAN CAVE NATIONAL WILDLIFE REFUGE <a href="https://www.fws.gov/our-facilities?keywords=%5C%22LOGAN+CAVE+NATIONAL+WILDLIFE+REFUGE%5C%22">https://www.fws.gov/our-facilities?keywords=%5C%22LOGAN+CAVE+NATIONAL+WILDLIFE+REFUGE%5C%22</a>	126.253

## BALD & GOLDEN EAGLES

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

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

There are Bald Eagles and/or Golden Eagles in your [project](#) area.

### Measures for Proactively Minimizing Eagle Impacts

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

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

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

### Ensure Your Eagle List is Accurate and Complete

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

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

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

## PROBABILITY OF PRESENCE SUMMARY

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

### Probability of Presence (■)

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



## 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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

NAME	BREEDING SEASON
American Golden-plover <i>Pluvialis dominica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/10561">https://ecos.fws.gov/ecp/species/10561</a>	Breeds elsewhere
American Kestrel <i>Falco sparverius paulus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/9587">https://ecos.fws.gov/ecp/species/9587</a>	Breeds Apr 1 to Aug 31
Bachman's Sparrow <i>Peucaea aestivalis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/6177">https://ecos.fws.gov/ecp/species/6177</a>	Breeds May 1 to Sep 30
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a>	Breeds Sep 1 to Jul 31
Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9399">https://ecos.fws.gov/ecp/species/9399</a>	Breeds May 15 to Oct 10
Bobolink <i>Dolichonyx oryzivorus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9454">https://ecos.fws.gov/ecp/species/9454</a>	Breeds May 20 to Jul 31
Brown-headed Nuthatch <i>Sitta pusilla</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/9427">https://ecos.fws.gov/ecp/species/9427</a>	Breeds Mar 1 to Jul 15
Cerulean Warbler <i>Setophaga cerulea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/2974">https://ecos.fws.gov/ecp/species/2974</a>	Breeds Apr 23 to Jul 20

NAME	BREEDING SEASON
<p>Chimney Swift <i>Chaetura pelagica</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9406">https://ecos.fws.gov/ecp/species/9406</a></p>	Breeds Mar 15 to Aug 25
<p>Chuck-will's-widow <i>Antrostomus carolinensis</i>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA  <a href="https://ecos.fws.gov/ecp/species/9604">https://ecos.fws.gov/ecp/species/9604</a></p>	Breeds May 10 to Jul 10
<p>Eastern Whip-poor-will <i>Antrostomus vociferus</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/10678">https://ecos.fws.gov/ecp/species/10678</a></p>	Breeds May 1 to Aug 20
<p>Field Sparrow <i>Spizella pusilla</i>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA  <a href="https://ecos.fws.gov/ecp/species/9446">https://ecos.fws.gov/ecp/species/9446</a></p>	Breeds Mar 1 to Aug 15
<p>Golden Eagle <i>Aquila chrysaetos</i>            This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.  <a href="https://ecos.fws.gov/ecp/species/1680">https://ecos.fws.gov/ecp/species/1680</a></p>	Breeds elsewhere
<p>Grasshopper Sparrow <i>Ammodramus savannarum perpallidus</i>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA  <a href="https://ecos.fws.gov/ecp/species/8329">https://ecos.fws.gov/ecp/species/8329</a></p>	Breeds Jun 1 to Aug 20
<p>Henslow's Sparrow <i>Centronyx henslowii</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/3941">https://ecos.fws.gov/ecp/species/3941</a></p>	Breeds May 1 to Aug 31
<p>Kentucky Warbler <i>Geothlypis formosa</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9443">https://ecos.fws.gov/ecp/species/9443</a></p>	Breeds Apr 20 to Aug 20
<p>King Rail <i>Rallus elegans</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/8936">https://ecos.fws.gov/ecp/species/8936</a></p>	Breeds May 1 to Sep 5
<p>Le Conte's Sparrow <i>Ammospiza leconteii</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9469">https://ecos.fws.gov/ecp/species/9469</a></p>	Breeds elsewhere

NAME	BREEDING SEASON
<p>Least Tern <i>Sternula antillarum antillarum</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/11919">https://ecos.fws.gov/ecp/species/11919</a></p>	Breeds Apr 25 to Sep 5
<p>Lesser Yellowlegs <i>Tringa flavipes</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9679">https://ecos.fws.gov/ecp/species/9679</a></p>	Breeds elsewhere
<p>Little Blue Heron <i>Egretta caerulea</i>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA  <a href="https://ecos.fws.gov/ecp/species/9477">https://ecos.fws.gov/ecp/species/9477</a></p>	Breeds Mar 10 to Oct 15
<p>Pectoral Sandpiper <i>Calidris melanotos</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9561">https://ecos.fws.gov/ecp/species/9561</a></p>	Breeds elsewhere
<p>Prairie Warbler <i>Setophaga discolor</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9513">https://ecos.fws.gov/ecp/species/9513</a></p>	Breeds May 1 to Jul 31
<p>Prothonotary Warbler <i>Protonotaria citrea</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9439">https://ecos.fws.gov/ecp/species/9439</a></p>	Breeds Apr 1 to Jul 31
<p>Red-headed Woodpecker <i>Melanerpes erythrocephalus</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9398">https://ecos.fws.gov/ecp/species/9398</a></p>	Breeds May 10 to Sep 10
<p>Rusty Blackbird <i>Euphagus carolinus</i>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA  <a href="https://ecos.fws.gov/ecp/species/9478">https://ecos.fws.gov/ecp/species/9478</a></p>	Breeds elsewhere
<p>Semipalmated Sandpiper <i>Calidris pusilla</i>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA  <a href="https://ecos.fws.gov/ecp/species/9603">https://ecos.fws.gov/ecp/species/9603</a></p>	Breeds elsewhere
<p>Sprague's Pipit <i>Anthus spragueii</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/8964">https://ecos.fws.gov/ecp/species/8964</a></p>	Breeds elsewhere

NAME	BREEDING SEASON
<b>Swallow-tailed Kite <i>Elanoides forficatus</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/8938">https://ecos.fws.gov/ecp/species/8938</a>	Breeds Mar 10 to Jun 30
<b>Wood Thrush <i>Hylocichla mustelina</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9431">https://ecos.fws.gov/ecp/species/9431</a>	Breeds May 10 to Aug 31

## PROBABILITY OF PRESENCE SUMMARY

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

### Probability of Presence (■)

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

### Breeding Season (■)

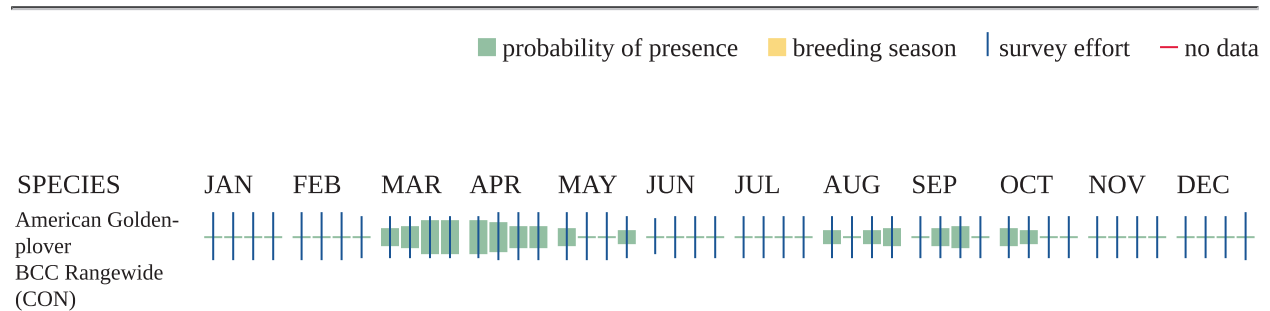
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

### Survey Effort (|)

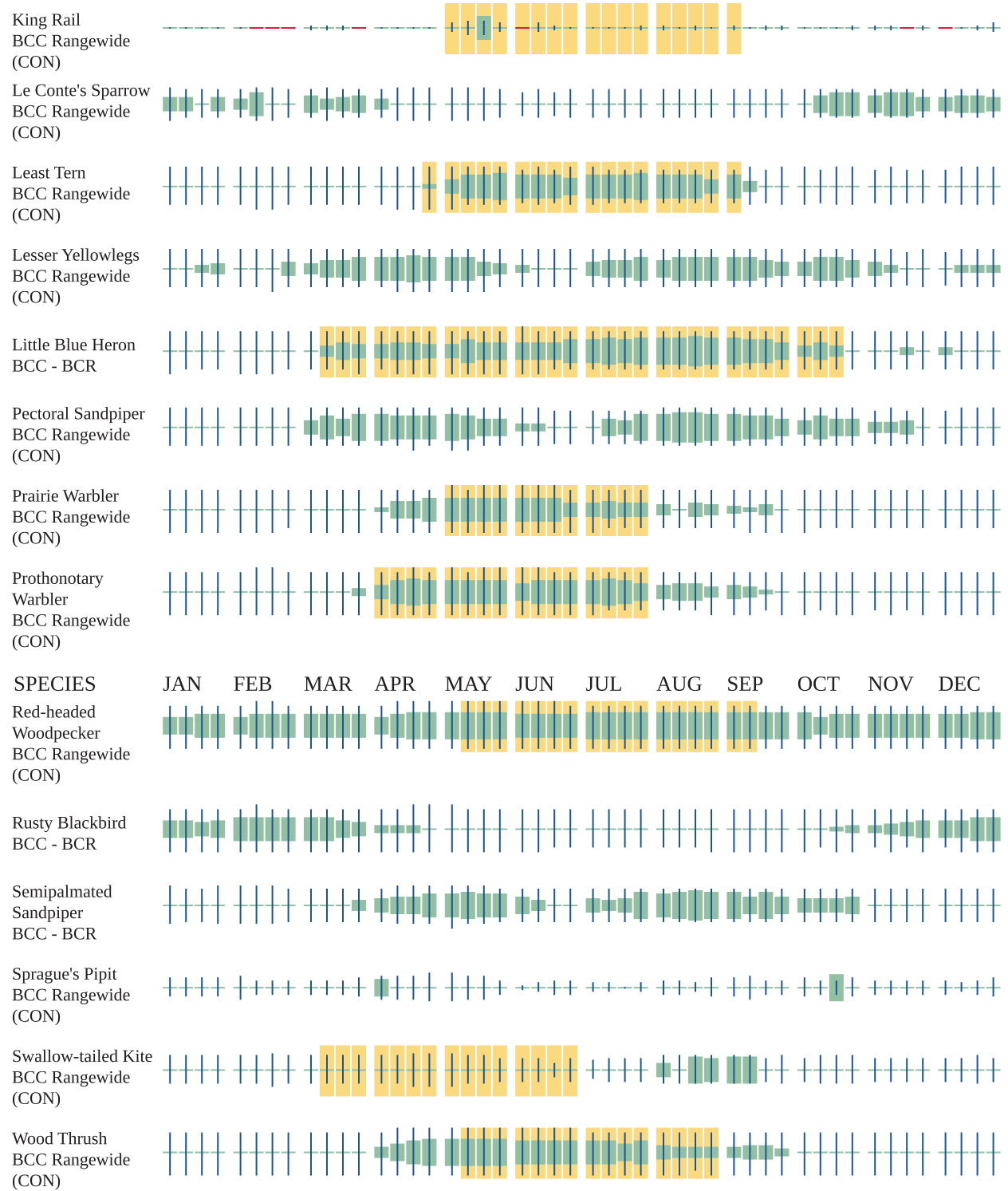
Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

### No Data (—)

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







Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>

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

## WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

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

WETLAND INFORMATION WAS NOT AVAILABLE WHEN THIS SPECIES LIST WAS GENERATED. PLEASE VISIT [HTTPS://WWW.FWS.GOV/WETLANDS/DATA/MAPPER.HTML](https://www.fws.gov/wetlands/data/mapper.html) OR CONTACT THE FIELD OFFICE FOR FURTHER INFORMATION.

## **IPAC USER CONTACT INFORMATION**

Agency: Arkansas Department of Transportation

Name: Sarah Hallett

Address: 10324 I-30

City: Little Rock

State: AR

Zip: 72209

Email sarah.hallett@ardot.gov

Phone: 5015692078

You have indicated that your project falls under or receives funding through the following special project authorities:

- **BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)**

**ARDOT ENVIRONMENTAL VERIFICATION CHECKLIST  
FOR CONSIDERATION OF POTENTIAL IMPACTS**

ARDOT Job See Table FAP See Table

Job Title See Table

Environmental Resource	None	Minimal	Major	Comments
Air Quality	X			No impacts anticipated
Cultural Resources	X			2024 Amended Programmatic Agreement
Economic	X			No impacts anticipated
Endangered Species	X			"No effect" on all listed species
Civil Rights/Title VI	X			No impacts anticipated
Fish and Wildlife	X			No impacts anticipated
Floodplains	X			No impacts anticipated
Forest Service Property	X			None in project area
Hazardous Materials/Landfills	X			No impacts anticipated
Land Use	X			All work in existing right of way
Migratory Birds	X			No impacts anticipated
Navigation/Coast Guard	X			None in project area
Noise Levels	X			No impacts anticipated
Prime Farmland	X			No impacts anticipated
Protected Waters	X			None in project area
Public Recreation Lands	X			No impacts anticipated
Public Water Supply/WHPA	X			No impacts anticipated
Relocatees	X			No relocations anticipated
Section 4(f)/6(f)	X			No impacts anticipated
Social	X			No impacts anticipated
Underground Storage Tanks	X			No impacts anticipated
Visual	X			No impacts anticipated
Streams	X			None in project area
Water Quality	X			No impacts anticipated
Wetlands	X			None in project area
Wildlife Refuges	X			None in project area

Section 401 Water Quality Certification Required? No  
 Short-term Activity Authorization Required? No  
 Section 404 Permit Required? No Type None

Remarks: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_


Signature of Evaluator Mikayla Shaddon Date 2/18/2025



## INTEROFFICE MEMORANDUM

December 12, 2025

**TO:** Master Files

**FROM:** Josh Seagraves, Division Head – Environmental 

**SUBJECT:** Job 012539  
FAP HSIP-0076(377)  
Districts 5, 8 & 9 Pavement Friction Impvts. (UTBWC) (S)  
Various Routes and Sections  
Newton, Faulkner, Van Buren, and Independence Counties  
Re-evaluation

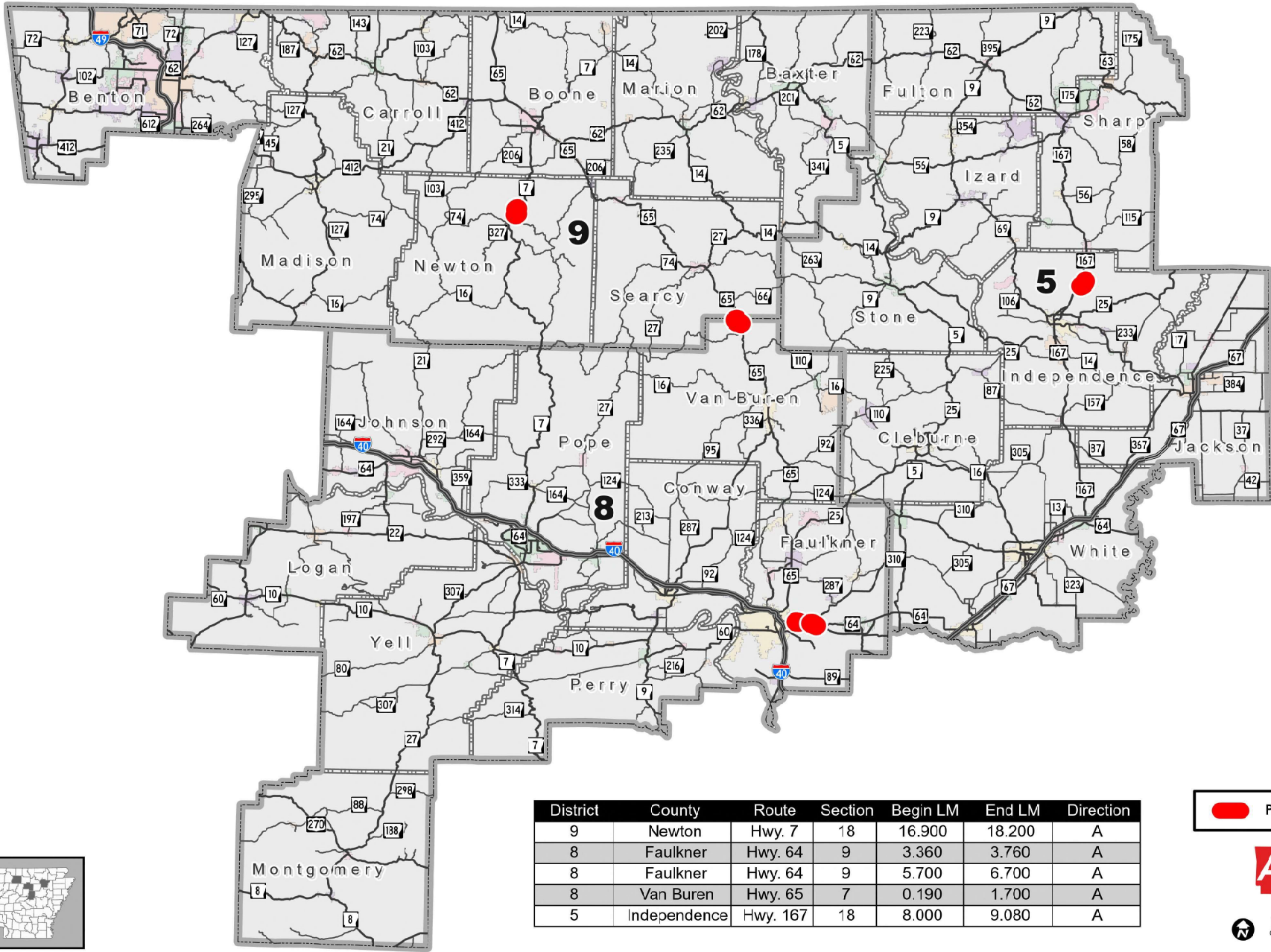
A Tier 1 Categorical Exclusion was completed for the referenced project on February 27, 2025. Since that time, the job scope has been modified to include additional pavement preservation work on Highway 64, Section 9 from L.M. 3.360-3.760 and L.M. 5.700-6.700.

This project will remain a Tier 1 Categorical Exclusion as defined by the ARDOT/FHWA Programmatic Agreement on the processing of Categorical Exclusions. The Environmental Division has reviewed these changes, and no additional environmental impacts were identified.

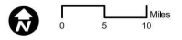
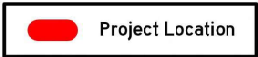
### Attachments

c: Program Management  
Right of Way  
Roadway Design  
Districts 5, 8 & 9  
FHWA

JS:MS:sw



District	County	Route	Section	Begin LM	End LM	Direction
9	Newton	Hwy. 7	18	16.900	18.200	A
8	Faulkner	Hwy. 64	9	3.360	3.760	A
8	Faulkner	Hwy. 64	9	5.700	6.700	A
8	Van Buren	Hwy. 65	7	0.190	1.700	A
5	Independence	Hwy. 167	18	8.000	9.080	A



PM: PS: cpl475E: 6/8/2025





ARDOT.gov | Jared D. Wiley, P.E., Director  
10324 Interstate 30 | P.O. Box 2261, Little Rock, AR 72203-2261  
Phone: (501) 569-2000 | Voice/TTY 711 | Fax: (501) 569-2400

## INTEROFFICE MEMORANDUM

---

November 14, 2025

**TO:** Environmental Job File

**FROM:** Milton Hughes, Cultural Resources M H

**SUBJECT:** Cultural Resources Clearance  
Job 012539  
Districts 5, 8 & 9  
Pavement Friction Impvts. (UTBWC) (S)  
Various Routes and Sections  
Newton, Faulkner, Van Buren, and  
Independence Counties

Two additional sections of state highway have been added to this project for improvements. One location was originally cleared under Job 012541 in January 2025. The other location will have UTBWC applied to 1.4 miles of Highway 64 in Faulkner County. This project is subject to the 2024 Amended Programmatic Agreement and falls under Activity D in Appendix A. The project remains exempt from further Section 106 review.



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Arkansas Ecological Services Field Office  
110 South Amity Suite 300  
Conway, AR 72032-8975  
Phone: (501) 513-4470 Fax: (501) 513-4480

In Reply Refer To:

11/17/2025 15:38:18 UTC

Project Code: 2026-0016361

Project Name: 012539 - Districts 5, 8 & 9 Pavement Friction Impvts. (UTBWC) (S)

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

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

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

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

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

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

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

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

It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

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

Attachment(s):

- Official Species List

## **OFFICIAL SPECIES LIST**

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

This species list is provided by:

**Arkansas Ecological Services Field Office**

110 South Amity Suite 300

Conway, AR 72032-8975

(501) 513-4470

## PROJECT SUMMARY

Project Code: 2026-0016361  
Project Name: 012539 - Districts 5, 8 & 9 Pavement Friction Impvts. (UTBWC) (S)  
Project Type: Road/Hwy - Maintenance/Modification  
Project Description: Pavement friction improvements.  
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@35.92479135,-93.21513067104529,14z>



Counties: Arkansas

## ENDANGERED SPECIES ACT SPECIES

There is a total of 23 threatened, endangered, or candidate species on this species list.

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

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

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

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

## MAMMALS

NAME	STATUS
Gray Bat <i>Myotis grisescens</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6329">https://ecos.fws.gov/ecp/species/6329</a>	Endangered
Indiana Bat <i>Myotis sodalis</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/5949">https://ecos.fws.gov/ecp/species/5949</a>	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10515">https://ecos.fws.gov/ecp/species/10515</a>	Proposed Endangered

## BIRDS

NAME	STATUS
Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10477">https://ecos.fws.gov/ecp/species/10477</a>	Threatened
Piping Plover <i>Charadrius melodus</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6039">https://ecos.fws.gov/ecp/species/6039</a>	Threatened
Red-cockaded Woodpecker <i>Dryobates borealis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7614">https://ecos.fws.gov/ecp/species/7614</a>	Threatened
Rufa Red Knot <i>Calidris canutus rufa</i> There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1864">https://ecos.fws.gov/ecp/species/1864</a>	Threatened

## REPTILES

NAME	STATUS
Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4658">https://ecos.fws.gov/ecp/species/4658</a>	Proposed Threatened

## AMPHIBIANS

NAME	STATUS
Ozark Hellbender <i>Cryptobranchus alleganiensis bishopi</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/647">https://ecos.fws.gov/ecp/species/647</a>	Endangered

## FISHES

NAME	STATUS
Yellowcheek Darter <i>Etheostoma moorei</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/7871">https://ecos.fws.gov/ecp/species/7871</a>	Endangered

## CLAMS

NAME	STATUS
Curtis Pearlymussel <i>Epioblasma curtisii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5628">https://ecos.fws.gov/ecp/species/5628</a>	Endangered
Fat Pocketbook <i>Potamilus capax</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/2780">https://ecos.fws.gov/ecp/species/2780</a>	Endangered
Pink Mucket (pearlymussel) <i>Lampsilis abrupta</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7829">https://ecos.fws.gov/ecp/species/7829</a>	Endangered
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/5165">https://ecos.fws.gov/ecp/species/5165</a>	Threatened
Scaleshell Mussel <i>Leptodea leptodon</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5881">https://ecos.fws.gov/ecp/species/5881</a>	Endangered
Snuffbox Mussel <i>Epioblasma triquetra</i> There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/4135">https://ecos.fws.gov/ecp/species/4135</a>	Endangered
Speckled Pocketbook <i>Lampsilis streckeri</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7869">https://ecos.fws.gov/ecp/species/7869</a>	Endangered
Western Fanshell <i>Cyprogenia aberti</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6895">https://ecos.fws.gov/ecp/species/6895</a>	Threatened

## INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Proposed Threatened

## CRUSTACEANS

NAME	STATUS
Hell Creek Cave Crayfish <i>Cambarus zophonastes</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/1552">https://ecos.fws.gov/ecp/species/1552</a>	Endangered

## FLOWERING PLANTS

NAME	STATUS
Missouri Bladderpod <i>Physaria filiformis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5361">https://ecos.fws.gov/ecp/species/5361</a>	Threatened
Pondberry <i>Lindera melissifolia</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/1279">https://ecos.fws.gov/ecp/species/1279</a>	Endangered

## CRITICAL HABITATS

There are 3 critical habitats wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> <a href="https://ecos.fws.gov/ecp/species/5165#crithab">https://ecos.fws.gov/ecp/species/5165#crithab</a>	Final
Western Fanshell <i>Cyprogenia aberti</i> <a href="https://ecos.fws.gov/ecp/species/6895#crithab">https://ecos.fws.gov/ecp/species/6895#crithab</a>	Final
Yellowcheek Darter <i>Etheostoma moorei</i> <a href="https://ecos.fws.gov/ecp/species/7871#crithab">https://ecos.fws.gov/ecp/species/7871#crithab</a>	Final

## **IPAC USER CONTACT INFORMATION**

Agency: Arkansas Department of Transportation

Name: Sarah Hallett

Address: 10324 I-30

City: Little Rock

State: AR

Zip: 72209

Email sarah.hallett@ardot.gov

Phone: 5015692078

You have indicated that your project falls under or receives funding through the following special project authorities:

- **BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)**

**ARDOT ENVIRONMENTAL VERIFICATION CHECKLIST  
FOR CONSIDERATION OF POTENTIAL IMPACTS**

ARDOT Job 012539 FAP HSIP-0076(377)

Job Title Districts 5, 8 & 9 Pavement Friction Impvts. (UTBWC) (S)

Environmental Resource	None	Minimal	Major	Comments
Air Quality	X			No impacts anticipated
Cultural Resources	X			2024 Amended Programmatic Agreement
Economic	X			No impacts anticipated
Endangered Species	X			"No effect" determination
Civil Rights/Title VI	X			No impacts anticipated
Fish and Wildlife	X			No impacts anticipated
Floodplains	X			No impacts anticipated
Forest Service Property	X			None in project area
Hazardous Materials/Landfills	X			No impacts anticipated
Land Use	X			No impacts anticipated
Migratory Birds	X			No impacts anticipated
Navigation/Coast Guard	X			None in project area
Noise Levels	X			No impacts anticipated
Prime Farmland	X			No impacts anticipated
Protected Waters	X			None in project area
Public Recreation Lands	X			No impacts anticipated
Public Water Supply/WHPA	X			Within PWS, no impacts anticipated
Relocatees	X			No relocations anticipated
Section 4(f)/6(f)	X			No impacts anticipated
Social	X			No impacts anticipated
Underground Storage Tanks	X			No impacts anticipated
Visual	X			No impacts anticipated
Streams	X			None in project area
Water Quality	X			No impacts anticipated
Wetlands	X			None in project area
Wildlife Refuges	X			None in project area

Section 401 Water Quality Certification Required? No  
 Short-term Activity Authorization Required? No  
 Section 404 Permit Required? No Type None

Remarks: WPC SP included

Signature of Evaluator Mikayla Shaddon Date 11/18/2025