




INTEROFFICE MEMORANDUM

September 10, 2025

TO: Master Files

FROM: Josh Seagraves, Division Head – Environmental 

SUBJECT: 2026 Raised Pavement Markers Projects
Multiple Jobs and FAP Numbers
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 these proposed projects is to install raised pavement markers on state highways. The following table lists the job numbers, job names, and FAP numbers.

Job Number	Job Name	FAP Number
012549	Districts 1, 5 & 10 Raised Pavement Markers (2026) (S)	STPF-0076(390)
012550	Districts 2,3 & 7 Raised Pavement Markers (2026)(S)	STPF-0076(392)
012551	Districts 4 & 9 Raised Pavement Markers (2026)(S)	STPF-0076(391)
012552	Districts 6 & 8 Raised Pavement Markers (2026)(S)	STPF-0076(393)

The projects would not involve relocations or impacts to Important Farmlands, underground storage tanks, hazardous materials, public water supplies, wellhead protection areas, floodplains, wetland, streams, or cultural resources. These projects have been determined to generate minimal air quality impacts for Clean Air Act criteria pollutants and have not been linked with any special mobile source air toxics concerns. Section 404 permits are not required. Cultural resource clearance is attached.

The attached official species lists obtained through the U.S. Fish and Wildlife Service Information for Planning and Consultation website identified the following species as potentially occurring within the project area: 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*), Red-cockaded Woodpecker (*Dryobates borealis*), Rufa Red Knot (*Calidris canutus rufa*), Alligator Snapping Turtle (*Macrochelys temminckii*),

American Alligator (*Alligator mississippiensis*), Ozark Hellbender (*Cryptobranchus alleganiensis bishopi*), Leopard Darter (*Percina pantherina*), Pallid Sturgeon (*Scaphirhynchus albus*), Ozark Cavefish (*Amblyopsis rosae*), Yellowcheek Darter (*Nothonotus moorei*), Curtis Pearlymussel (*Epioblasma curtisii*), Arkansas Fatmucket (*Lampsilis powelii*), Fat Pocketbook (*Potamilus capax*), Neosho Mucket (*Lampsilis rafinesqueana*), Ouachita Fanshell (*Cyprogenia* sp. cf. *aberti*), Ouachita Rock Pocketbook (*Arcidens wheeleri*), Pink Mucket (*Lampsilis abrupta*), Rabbitsfoot (*Theliderma cylindrica*), Salamander Mussel (*Simpsonaias ambigua*), Scaleshell Mussel (*Leptodea leptodon*), Snuffbox Mussel (*Epioblasma triquetra*), Speckled Pocketbook (*Lampsilis streckeri*), Spectaclecase (*Cumberlandia monodonta*), Western Fanshell (*Cyprogenia aberti*), Hine's Emerald Dragonfly (*Somatochlora hineana*), Winged Mapleleaf (*Quadrula fragosa*), American Burying Beetle (*Nicrophorus americanus*), Monarch Butterfly (*Danaus plexippus*), Western Regal Fritillary (*Argynnis idalia occidentalis*), Benton County Cave Crayfish (*Cambarus aculabrum*), Hell Creek Cave Crayfish (*Cambarus zophonastes*), Geocarpon (*Geocarpon minimum*), Harperella (*Ptilimnium nodosum*), Missouri bladderpod (*Physaria filiformis*), pondberry (*Lindera melissifolia*), and Virginia sneezeweed (*Helenium virginicum*).

The projects would have "no effect" on these species due to the limited scope of the action, lack of suitable habitat, and distance to known species locations.

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

Attachments

c: Program Management
Right of Way
Roadway Design
Districts 1-10
FHWA

JS:MS:sw



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

July 11, 2025

TO: Environmental Job File

FROM: Richard Jenkins, Cultural Resources 

SUBJECT: Cultural Resources Clearance
Job 012549, Districts 1, 5 & 10 Raised Pavement Markers (2026) (S)
Job 012550, Districts 2, 3 & 7 Raised Pavement Markers (2026) (S)
Job 012551, Districts 4 & 9 Raised Pavement Markers (2026) (S)
Job 012552, Districts 6 & 8 Raised Pavement Markers (2026) (S)

The Arkansas Department of Transportation plans to install raised pavement safety markers on the existing pavement along portions of the Arkansas Primary Highway Network, statewide. All work will occur within the existing right-of-way. This project is subject to the 2024 Amended Programmatic Agreement and falls under Activity A in Appendix A. This project is exempt 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:

07/31/2025 17:12:38 UTC

Project Code: 2025-0129681

Project Name: 012549 Districts 1, 5, & 10 Raised Pavement Markers (2026)(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.

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:

Mississippi Ecological Services Field Office

6578 Dogwood View Parkway, Suite A
Jackson, MS 39213-7856
(601) 965-4900

Missouri Ecological Services Field Office

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

Tennessee Ecological Services Field Office

446 Neal Street
Cookeville, TN 38501-4027
(931) 528-6481

PROJECT SUMMARY

Project Code: 2025-0129681
Project Name: 012549 Districts 1, 5, & 10 Raised Pavement Markers (2026)(S)
Project Type: Road/Hwy - Maintenance/Modification
Project Description: Installation of raised pavement markers on the Arkansas state highway system

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@35.31861115,-91.10946256901653,14z>



Counties: Arkansas, Mississippi, Missouri, and Tennessee

ENDANGERED SPECIES ACT SPECIES

There is a total of 28 threatened, endangered, or candidate species on this species list.

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

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

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

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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
<p>Gray Bat <i>Myotis grisescens</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6329 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/7127,9456.pdf</p>	Endangered
<p>Indiana Bat <i>Myotis sodalis</i></p> <p>There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/7127,9456.pdf</p>	Endangered
<p>Northern Long-eared Bat <i>Myotis septentrionalis</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/7127,9456.pdf</p>	Endangered
<p>Tricolored Bat <i>Perimyotis subflavus</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/7127,9456.pdf</p>	Proposed Endangered

BIRDS

NAME	STATUS
<p>Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10477 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/7127.pdf</p>	Threatened
<p>Ivory-billed Woodpecker <i>Campephilus principalis</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8230 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/7127.pdf</p>	Endangered
<p>Piping Plover <i>Charadrius melodus</i></p> <p>Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered.</p>	Threatened

NAME	STATUS
<p>There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/7127.pdf</p>	
<p>Red-cockaded Woodpecker <i>Dryobates borealis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7614 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/7127.pdf</p>	Threatened
<p>Rufa Red Knot <i>Calidris canutus rufa</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1864 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/7127.pdf</p>	Threatened

REPTILES

NAME	STATUS
<p>Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4658 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/7127,9456.pdf</p>	Proposed Threatened

AMPHIBIANS

NAME	STATUS
<p>Ozark Hellbender <i>Cryptobranchus alleganiensis bishopi</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/647 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/9456.pdf</p>	Endangered

FISHES

NAME	STATUS
<p>Pallid Sturgeon <i>Scaphirhynchus albus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7162 General project design guidelines:</p>	Endangered

NAME	STATUS
https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTLMLJRYWP2E/documents/generated/7127,9456.pdf	
Yellowcheek Darter <i>Etheostoma moorei</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7871	Endangered

CLAMS

NAME	STATUS
Curtis Pearlymussel <i>Epioblasma curtisii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5628 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTLMLJRYWP2E/documents/generated/9456.pdf	Endangered
Fat Pocketbook <i>Potamilus capax</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2780 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTLMLJRYWP2E/documents/generated/7127,9456.pdf	Endangered
Pink Mucket (pearlymussel) <i>Lampsilis abrupta</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7829 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTLMLJRYWP2E/documents/generated/7127,9456.pdf	Endangered
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5165 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTLMLJRYWP2E/documents/generated/7127,9456.pdf	Threatened
Salamander Mussel <i>Simpsonaias ambigua</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6208	Proposed Endangered
Scaleshell Mussel <i>Leptodea leptodon</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5881 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTLMLJRYWP2E/documents/generated/9456.pdf	Endangered
Snuffbox Mussel <i>Epioblasma triquetra</i>	Endangered

NAME	STATUS
<p>There is proposed critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4135 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTLMCLJRYWP2E/documents/generated/7127,9456.pdf</p>	
<p>Speckled Pocketbook <i>Lampsilis streckeri</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7869</p>	Endangered
<p>Western Fanshell <i>Cyprogenia aberti</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6895 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTLMCLJRYWP2E/documents/generated/9456.pdf</p>	Threatened

INSECTS

NAME	STATUS
<p>Hine's Emerald Dragonfly <i>Somatochlora hineana</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7877 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTLMCLJRYWP2E/documents/generated/9456.pdf</p>	Endangered
<p>Monarch Butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTLMCLJRYWP2E/documents/generated/7127.pdf</p>	Proposed Threatened

CRUSTACEANS

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

FLOWERING PLANTS

NAME	STATUS
<p>Missouri Bladderpod <i>Physaria filiformis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5361 General project design guidelines:</p>	Threatened

NAME	STATUS
https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/9456.pdf	
Pondberry <i>Lindera melissifolia</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1279 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/7127,9456.pdf	Endangered
Virginia Sneezeweed <i>Helenium virginicum</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6297 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2S6GRF625VFI3GTMCLJRYWP2E/documents/generated/9456.pdf	Threatened

CRITICAL HABITATS

There are 4 critical habitats wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> https://ecos.fws.gov/ecp/species/5165#crithab	Final
Snuffbox Mussel <i>Epioblasma triquetra</i> https://ecos.fws.gov/ecp/species/4135#crithab	Proposed
Western Fanshell <i>Cyprogenia aberti</i> https://ecos.fws.gov/ecp/species/6895#crithab	Final
Yellowcheek Darter <i>Etheostoma moorei</i> https://ecos.fws.gov/ecp/species/7871#crithab	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 https://www.fws.gov/our-facilities? \$keywords=%5C%22BALD+KNOB+NATIONAL+WILDLIFE+REFUGE%5C%22"	15,436.079
CACHE RIVER NATIONAL WILDLIFE REFUGE https://www.fws.gov/our-facilities? \$keywords=%5C%22CACHE+RIVER+NATIONAL+WILDLIFE+REFUGE%5C%22"	74,975.215
CHICKASAW NATIONAL WILDLIFE REFUGE https://www.fws.gov/our-facilities? \$keywords=%5C%22CHICKASAW+NATIONAL+WILDLIFE+REFUGE%5C%22"	5,368.74
DALE BUMPERS WHITE RIVER NATIONAL WILDLIFE REFUGE https://www.fws.gov/our-facilities? \$keywords=%5C%22DALE+BUMPERS+WHITE+RIVER+NATIONAL+WILDLIFE+REFUGE%5C%22"	157,308.047
FARM SERVICE AGENCY INTEREST OF AR https://www.fws.gov/our-facilities? \$keywords=%5C%22FARM+SERVICE+AGENCY+INTEREST+OF+AR%5C%22"	11,245.994
FARM SERVICE AGENCY INTEREST OF AR https://www.fws.gov/our-facilities? \$keywords=%5C%22FARM+SERVICE+AGENCY+INTEREST+OF+AR%5C%22"	6,174.425

BALD & GOLDEN EAGLES

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

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

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

Measures for Proactively Minimizing Eagle Impacts

For information on how to best avoid and minimize disturbance to nesting bald eagles, please review the [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. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Jul 31
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds elsewhere

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[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.

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
<p>American Golden-plover <i>Pluvialis dominica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10561</p>	Breeds elsewhere
<p>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 https://ecos.fws.gov/ecp/species/9587</p>	Breeds Apr 1 to Aug 31
<p>Bachman's Sparrow <i>Peucaea aestivalis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/6177</p>	Breeds May 1 to Sep 30
<p>Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626</p>	Breeds Sep 1 to Jul 31
<p>Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399</p>	Breeds May 15 to Oct 10
<p>Bobolink <i>Dolichonyx oryzivorus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9454</p>	Breeds May 20 to Jul 31
<p>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 https://ecos.fws.gov/ecp/species/9427</p>	Breeds Mar 1 to Jul 15
<p>Cerulean Warbler <i>Setophaga cerulea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/2974</p>	Breeds Apr 23 to Jul 20
<p>Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9406</p>	Breeds Mar 15 to Aug 25

NAME	BREEDING SEASON
<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 https://ecos.fws.gov/ecp/species/9604</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. https://ecos.fws.gov/ecp/species/10678</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 https://ecos.fws.gov/ecp/species/9446</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. https://ecos.fws.gov/ecp/species/1680</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 https://ecos.fws.gov/ecp/species/8329</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. https://ecos.fws.gov/ecp/species/3941</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. https://ecos.fws.gov/ecp/species/9443</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. https://ecos.fws.gov/ecp/species/8936</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. https://ecos.fws.gov/ecp/species/9469</p>	Breeds elsewhere
<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. https://ecos.fws.gov/ecp/species/11919</p>	Breeds Apr 25 to Sep 5

NAME	BREEDING SEASON
<p>Lesser Yellowlegs <i>Tringa flavipes</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679</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 https://ecos.fws.gov/ecp/species/9477</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. https://ecos.fws.gov/ecp/species/9561</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. https://ecos.fws.gov/ecp/species/9513</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. https://ecos.fws.gov/ecp/species/9439</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. https://ecos.fws.gov/ecp/species/9398</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 https://ecos.fws.gov/ecp/species/9478</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 https://ecos.fws.gov/ecp/species/9603</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. https://ecos.fws.gov/ecp/species/8964</p>	Breeds elsewhere
<p>Swallow-tailed Kite <i>Elanoides forficatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8938</p>	Breeds Mar 10 to Jun 30

NAME	BREEDING SEASON
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9431	Breeds May 10 to Aug 31
Yellow Rail <i>Coturnicops noveboracensis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9476	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.

Breeding Season (■)

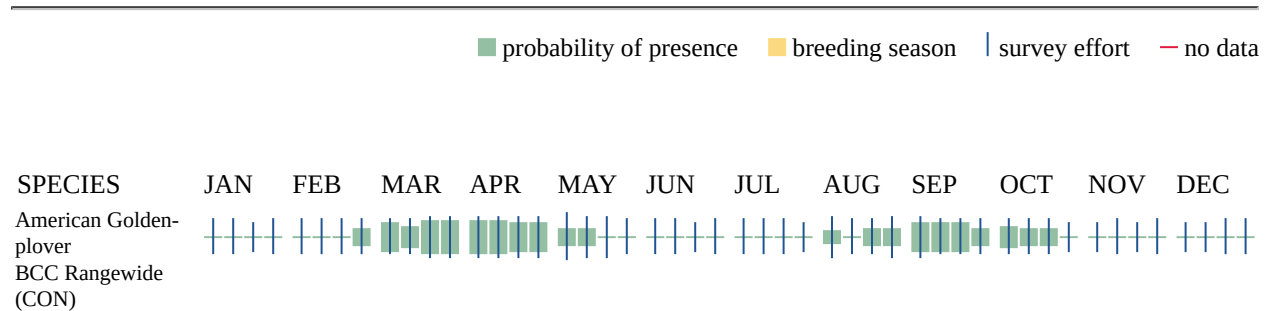
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

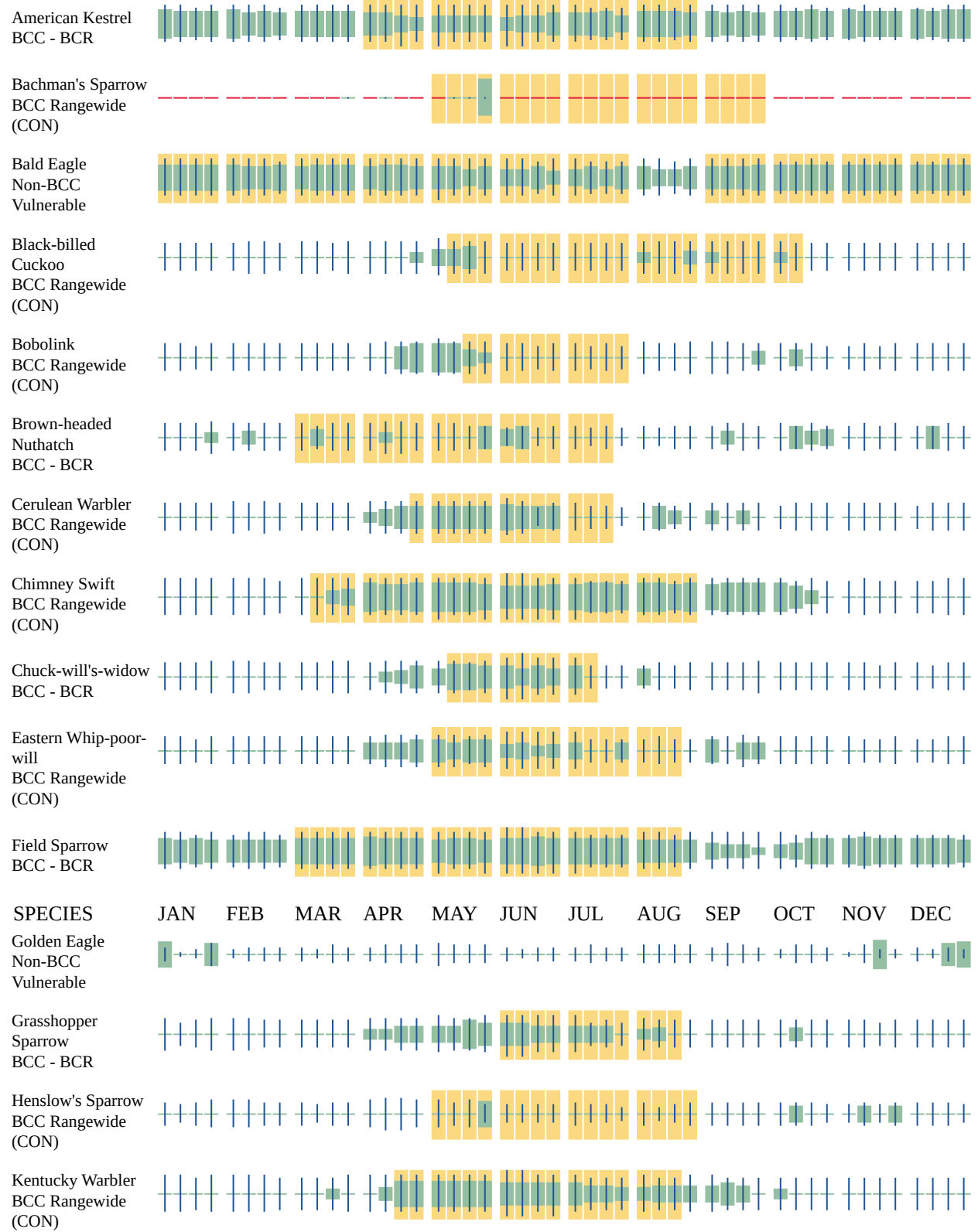
Survey Effort (|)

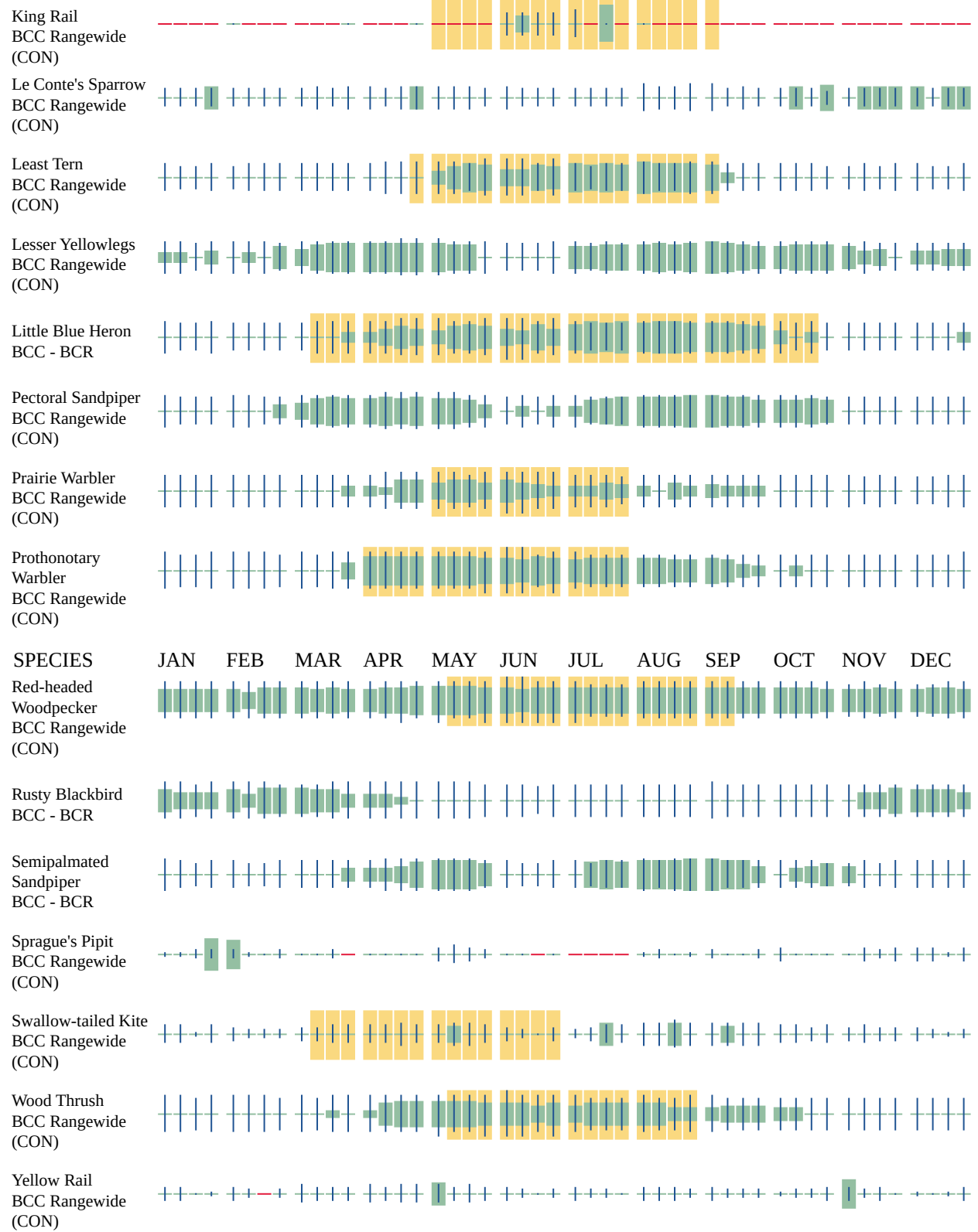
Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

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.

Due to your project's size, the list below may be incomplete, or the acreages reported may be inaccurate. For a full list, please contact the local U.S. Fish and Wildlife office or visit <https://www.fws.gov/wetlands/data/mapper.HTML>

LAKE

- L2UBFx
- L1ABHx
- L2UBGx
- L
- L2UBH
- L2USCx
- L2AB3Hh
- L1ABH
- L2USC
- L1UBH
- L2UBF
- L2AB3F
- L2AB3Fh
- L2EM2Fx
- L1UBK

- L1UBGx
- L2ABFx
- L2USAh
- L1UBHx
- L2AB3Gh
- L2USCh
- L2UBHh
- L2AB3H
- L2UBHx
- L1UBHh
- L2UBGh
- L1UBGh

FRESHWATER EMERGENT WETLAND

- PEM1Ax
- PEM1/ABFh
- PEM1Ad
- PEM1/USC
- PEM1/FO1Ad
- PEM1/FO1F
- PEM1/FO1Cd
- PEM1/SS1Ad
- PEM1Ah
- PEM1A
- PEM1/FO1C
- PEM1/SS1C
- PEM1/ABFx
- PEM1/SS1Fh
- PEM1/SS1Ch
- PEM1/SS1Cd
- PEM1/SS1A
- PEM1/SS1Fx
- PEM1/SS1F
- PEM1/ABF

FRESHWATER POND

- PABH
- PAB3F

- PAB3H
- PAB3Fh
- PAB/SS1F
- PUBFh
- PUBF
- PUBHh
- PAB4Hh
- PAB/EM1F
- PAB4Gh
- PAB3Hh
- PUBH
- PABFh
- PAB4H
- PABFx
- PAB3G
- PABF
- PAB/FO2F
- PABHh
- PUBHx
- PAB/FO1F
- PAB4Hx
- PAB4Fh
- PABHx

RIVERINE

- R2USA
- R4SBC
- R5UBFx
- R3UBG
- R5UBH

FRESHWATER FORESTED/SHRUB WETLAND

- PFO1C
- PFO1A
- PFO6C
- PSS1F
- PSS1A
- PFO2/1F

- PFO1F
- PSS1C

IPAC USER CONTACT INFORMATION

Agency: Arkansas Department of Transportation

Name: Parker Brannon

Address: 10324 I-30

City: Little Rock

State: AR

Zip: 72209

Email: parker.brannon@ardot.gov

Phone: 5015692083

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

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

- BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Assistant Director-Ecological Services
1849 C Street Nw
Room 3345
Washington, DC 20240-0001
Phone: (202) 208-4646 Fax: (202) 208-5618

In Reply Refer To:

07/31/2025 17:20:56 UTC

Project code: 2025-0129681

Project Name: 012549 Districts 1, 5, & 10 Raised Pavement Markers (2026)(S)

Subject: No Effect Technical Assistance letter for the '012549 Districts 1, 5, & 10 Raised Pavement Markers (2026)(S)' project under the December 13, 2024, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat, Northern Long-eared Bat, and Tricolored Bat.

To whom it may concern:

This letter records the determination of effects to federally listed (or proposed) bat species anticipated to result from 012549 Districts 1, 5, & 10 Raised Pavement Markers (2026)(S) (the Project). This determination is based upon information you entered into the assisted determination key (Dkey) associated with the above referenced Programmatic Biological Opinion/Conference Opinion (PBO/PCO) in the U.S. Fish and Wildlife Service's (Service) Information for Planning and Consultation (IPaC) system on the date listed above.

Ensuring Accurate Determinations When Using IPaC:

The Service developed the IPaC system and this Dkey in accordance with the ESA and based on the PBO/PCO. All information submitted by the project proponent into IPaC must accurately represent the full scope and details of the Project.

Failure to accurately represent or implement the Project as detailed in the Dkey invalidates this letter.

Determinations:

Based on the information you provided (Project Description shown below), you have determined that the Project will have the following effect determinations:

Species	Listing Status	Determination
Indiana Bat (<i>Myotis sodalis</i>)	Endangered	No effect
Northern Long-eared Bat (<i>Myotis septentrionalis</i>)	Endangered	No effect

Tricolored Bat (*Perimyotis subflavus*)Proposed
Endangered

No effect

If the Project is not modified, **no consultation is required for these species**. If the Project is modified, or new information reveals that it may affect the Indiana bat, northern long-eared bat, or tricolored bat in a manner or to an extent not considered in the PBO/PCO, further review to conclude the requirements of ESA section 7(a)(2) may be required.

For Proposed Actions that include bridge/culvert or structure removal, replacement, and/or maintenance activities:

If your initial bridge, culvert, or structure assessment failed to detect Indiana bat, northern long-eared bat, or tricolored bat use or occupancy, yet bats are later detected prior to, or during construction, promptly notify the local Service Field Office within 2 working days of the discovery. In addition, please document whether incidental take occurred, and if so, the type (i.e. kill or harm) and amount (i.e. number of individuals) and submit documentation to the local Service Field Office within 5 working days from the completion of the bridge, culvert, or structure construction (use Appendix E - Post Assessment Discovery of Bats at Bridge/Culvert or Structure Form in the [User's Guide](#)). In these instances, potential incidental take of Indiana bats, northern long-eared bats, or tricolored bats may be exempted provided that the take is reported to the Service. In these instances, potential incidental take of Indiana bats, northern long-eared bats, or tricolored bats may be exempted provided that the take is reported to the Service.

If the Project may affect any other federally listed or proposed species and/or designated critical habitat, additional consultation between the lead Federal action agency and this Service Field Office is required for those species/designated critical habitat. If the Project has the potential to take bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act may also be required. In either of these circumstances, please advise the lead Federal action agency to contact this Service Field Office

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

- Alligator Snapping Turtle *Macrochelys temminckii* Proposed Threatened
- Curtis Pearlymussel *Epioblasma curtisii* Endangered
- Eastern Black Rail *Laterallus jamaicensis ssp. jamaicensis* Threatened
- Fat Pocketbook *Potamilus capax* Endangered
- Gray Bat *Myotis grisescens* Endangered
- Hell Creek Cave Crayfish *Cambarus zophonastes* Endangered
- Hine's Emerald Dragonfly *Somatochlora hineana* Endangered
- Ivory-billed Woodpecker *Campephilus principalis* Endangered
- Missouri Bladderpod *Physaria filiformis* Threatened
- Monarch Butterfly *Danaus plexippus* Proposed Threatened
- Ozark Hellbender *Cryptobranchus alleganiensis bishopi* Endangered

- Pallid Sturgeon *Scaphirhynchus albus* Endangered
- Pink Mucket (pearlymussel) *Lampsilis abrupta* Endangered
- Piping Plover *Charadrius melodus* Threatened
- Pondberry *Lindera melissifolia* Endangered
- Rabbitsfoot *Quadrula cylindrica cylindrica* Threatened
- Red-cockaded Woodpecker *Dryobates borealis* Threatened
- Rufa Red Knot *Calidris canutus rufa* Threatened
- Salamander Mussel *Simpsonias ambigua* Proposed Endangered
- Scaleshell Mussel *Leptodea leptodon* Endangered
- Snuffbox Mussel *Epioblasma triquetra* Endangered
- Speckled Pocketbook *Lampsilis streckeri* Endangered
- Virginia Sneezeweed *Helenium virginicum* Threatened
- Western Fanshell *Cyprogenia aberti* Threatened
- Yellowcheek Darter *Etheostoma moorei* Endangered

PROJECT DESCRIPTION

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

NAME

012549 Districts 1, 5, & 10 Raised Pavement Markers (2026)(S)

DESCRIPTION

Installation of raised pavement markers on the Arkansas state highway system

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@35.31861115,-91.10946256901653,14z>



DETERMINATION KEY RESULT

Based on the information you provided, you have determined that the Proposed Action will have no effect on the species covered by this determination key. Therefore, no consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat. 884, as amended 16 U.S.C. 1531 et seq.) is required for those species.

QUALIFICATION INTERVIEW

1. Which Federal Agency is the lead federal agency the action?

A) Federal Highway Administration (FHWA)

2. Does the Action Area intersect the species list area of the Northern long-eared bat?

Automatically answered

Yes

3. Does the Action Area intersect the species list area of the Indiana bat?

Automatically answered

Yes

4. Does the Action Area intersect the species list area of the tricolored Bat (TCB)?

Automatically answered

Yes

5. Is the project within 0.5 miles radius of an entrance/opening to any known Indiana bat hibernaculum?

Yes

6. [Semantic] Is any portion of the action area within a 0.5 mile radius of an entrance/opening to any known NLEB or TCB hibernacula?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact the Field Office listed in the letterhead of this letter.

Automatically answered

Yes

7. Does your project's activities include raising the road profile above the tree canopy in documented habitat for the Indiana bat, NLEB, or TCB?

Note: For the definition of documented habitat, refer to Appendix A: <https://www.fws.gov/media/users-guide-range-wide-programmatic-consultation-indiana-bat-and-northern-long-eared-bat>

No

8. Is your project located within a karst area?

Yes

9. Will the project include any activities that alter the entrance or environment of a known Indiana bat, NLEB, or TCB hibernaculum?

No

10. Will the project include bridge, culvert, or structure removal, replacement, and/or alteration activities?

Note: For definitions of bridge, culvert, and structure, refer to Appendix A: <https://www.fws.gov/media/users-guide-range-wide-programmatic-consultation-indiana-bat-and-northern-long-eared-bat>.

No

11. Do your project's activities involve tree removal/trimming, temporary lighting, new/additional permanent lighting, ground disturbance, percussives that involves noise/vibration above existing background levels, vibrations, or slash pile burning?

No

12. Does the Action Area intersect the species list area of the Indiana bat?

Automatically answered

Yes

13. Does the Action Area intersect the species list area of the tricolored Bat (TCB)?

Automatically answered

Yes

14. Does the Action Area intersect the species list area of the northern long-eared bat (NLEB)?

Automatically answered

Yes

PROJECT QUESTIONNAIRE

1. Have you made a No Effect determinations for all other species included on the FWS IPaC generated species list?

Yes

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

No

DETERMINATION KEY DESCRIPTION: FHWA, FRA, FTA PROGRAMMATIC CONSULTATION FOR TRANSPORTATION PROJECTS AFFECTING IBAT, NLEB, OR TCB

This key was last updated in IPaC on July 21, 2025. Keys are subject to periodic revision.

This decision key is intended for projects/activities funded or authorized by the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), and/or Federal Transit Administration (FTA), which may require consultation with the U.S. Fish and Wildlife Service (Service) under Section 7 of the Endangered Species Act (ESA) and may affect the federally listed endangered Indiana bat (*Myotis sodalis*), northern long-eared bat (*Myotis septentrionalis*), and/or federally proposed endangered tricolored bat (*Perimyotis subflavus*).

This decision key should only be used to verify project applicability with the Service's Programmatic Biological Opinion/Conference Opinion for Transportation Projects in the Range of the Indiana bat, northern long-eared bat, and tricolored bat, dated December 13, 2024. The programmatic consultation limited transportation activities that may affect the covered bat species and addresses situations that are both likely and not likely to adversely affect the covered bat species. This decision key will assist in identifying the effect of a specific project/activity and the applicability of the programmatic consultation. The programmatic consultation is not intended to cover all types of transportation actions. Activities outside the scope of the programmatic consultation, or that may affect ESA-listed species other than the Indiana bat, northern long-eared bat, or tricolored bat, or their designated critical habitat, may require additional ESA Section 7 consultation.

IPAC USER CONTACT INFORMATION

Agency: Arkansas Department of Transportation

Name: Parker Brannon

Address: 10324 I-30

City: Little Rock

State: AR

Zip: 72209

Email: parker.brannon@ardot.gov

Phone: 5015692083

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

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

- BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)



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:

07/31/2025 19:05:40 UTC

Project Code: 2025-0129805

Project Name: 012550 Districts 2, 3, & 7 Raised Pavement Markers (2026)(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.

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:

Arlington Ecological Services Field Office

17629 El Camino Real, Suite 211
Houston, TX 77058-3051
(817) 277-1100

Louisiana Ecological Services Field Office

200 Dulles Drive
Lafayette, LA 70506
(337) 291-3100

Mississippi Ecological Services Field Office

6578 Dogwood View Parkway, Suite A
Jackson, MS 39213-7856
(601) 965-4900

Oklahoma Ecological Services Field Office

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

PROJECT SUMMARY

Project Code: 2025-0129805

Project Name: 012550 Districts 2, 3, & 7 Raised Pavement Markers (2026)(S)

Project Type: Road/Hwy - Maintenance/Modification

Project Description: Installation of raised pavement markers across Arkansas highway system

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@33.78512955,-92.73541950832251,14z>



Counties: Arkansas, Louisiana, Mississippi, and Texas

ENDANGERED SPECIES ACT SPECIES

There is a total of 25 threatened, endangered, or candidate species on this species list.

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

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

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

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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
Indiana Bat <i>Myotis sodalis</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949 General project design guidelines: https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045 General project design guidelines: https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515 General project design guidelines: https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf	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: https://ecos.fws.gov/ecp/species/10477 General project design guidelines: https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf	Threatened
Ivory-billed Woodpecker <i>Campephilus principalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8230 General project design guidelines: https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf	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 final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039 General project design guidelines: https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf	Threatened
Red-cockaded Woodpecker <i>Dryobates borealis</i>	Threatened

NAME	STATUS
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No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/7614>

General project design guidelines:

<https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf>

Rufa Red Knot <i>Calidris canutus rufa</i>	Threatened
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There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/1864>

General project design guidelines:

<https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf>

REPTILES

NAME	STATUS
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Alligator Snapping Turtle <i>Macrochelys temminckii</i>	Proposed Threatened
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No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/4658>

General project design guidelines:

<https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf>

American Alligator <i>Alligator mississippiensis</i>	Similarity of Appearance (Threatened)
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No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/776>

FISHES

NAME	STATUS
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Leopard Darter <i>Percina pantherina</i>	Threatened
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There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/8470>

Pallid Sturgeon <i>Scaphirhynchus albus</i>	Endangered
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No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/7162>

General project design guidelines:

<https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf>

CLAMS

NAME	STATUS
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Arkansas Fatmucket <i>Lampsilis powellii</i>	Threatened
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No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/2213>

NAME	STATUS
<p>Fat Pocketbook <i>Potamilus capax</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2780 General project design guidelines: https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf</p>	Endangered
<p>Ouachita Fanshell <i>Cyprogenia sp. cf. aberti</i></p> <p>There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/10889</p>	Threatened
<p>Ouachita Rock Pocketbook <i>Arcidens wheeleri</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4509</p>	Endangered
<p>Pink Mucket (pearlymussel) <i>Lampsilis abrupta</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7829 General project design guidelines: https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf</p>	Endangered
<p>Rabbitsfoot <i>Quadrula cylindrica cylindrica</i></p> <p>There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5165 General project design guidelines: https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf</p>	Threatened
<p>Spectaclecase (mussel) <i>Cumberlandia monodonta</i></p> <p>There is proposed critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7867</p>	Endangered
<p>Winged Mapleleaf <i>Quadrula fragosa</i></p> <p>Population: Wherever found, except where listed as an experimental population No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4127</p>	Endangered

INSECTS

NAME	STATUS
<p>American Burying Beetle <i>Nicrophorus americanus</i></p> <p>Population: Wherever found, except where listed as an experimental population No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/66</p>	Threatened
<p>Monarch Butterfly <i>Danaus plexippus</i></p> <p>There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743 General project design guidelines:</p>	Proposed Threatened

NAME	STATUS
https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf	

FLOWERING PLANTS

NAME	STATUS
Geocarpon minimum No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7699	Threatened
Missouri Bladderpod <i>Physaria filiformis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5361	Threatened
Pondberry <i>Lindera melissifolia</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1279 General project design guidelines: https://ipac.ecosphere.fws.gov/project/ODTSS2S3PBGHPPPSXLSOKPS7PQ/documents/generated/7127.pdf	Endangered

CRITICAL HABITATS

There are 4 critical habitats wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Louisiana Pigtoe <i>Pleurobema riddellii</i> For information on why this critical habitat appears for your project, even though Louisiana Pigtoe is not on the list of potentially affected species at this location, contact the local field office. https://ecos.fws.gov/ecp/species/10233#crithab	Proposed
Ouachita Fanshell <i>Cyprogenia sp. cf. aberti</i> https://ecos.fws.gov/ecp/species/10889#crithab	Final
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> https://ecos.fws.gov/ecp/species/5165#crithab	Final
Spectaclecase (mussel) <i>Cumberlandia monodonta</i> https://ecos.fws.gov/ecp/species/7867#crithab	Proposed

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
DALE BUMPERS WHITE RIVER NATIONAL WILDLIFE REFUGE https://www.fws.gov/our-facilities?keywords=%5C%22DALE+BUMPERS+WHITE+RIVER+NATIONAL+WILDLIFE+REFUGE%5C%22	157,489.658
FELSENTHAL NATIONAL WILDLIFE REFUGE https://www.fws.gov/our-facilities?keywords=%5C%22FELSENTHAL+NATIONAL+WILDLIFE+REFUGE%5C%22	77,688.59
OVERFLOW NATIONAL WILDLIFE REFUGE https://www.fws.gov/our-facilities?keywords=%5C%22OVERFLOW+NATIONAL+WILDLIFE+REFUGE%5C%22	13,650.369
POND CREEK NATIONAL WILDLIFE REFUGE https://www.fws.gov/our-facilities?keywords=%5C%22POND+CREEK+NATIONAL+WILDLIFE+REFUGE%5C%22	28,915.356

BALD & GOLDEN EAGLES

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

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

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read ["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.

NAME	BREEDING SEASON
<p>American Golden-plover <i>Pluvialis dominica</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/10561</p>	Breeds elsewhere
<p>American Kestrel <i>Falco sparverius paulus</i></p> <p>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p> <p>https://ecos.fws.gov/ecp/species/9587</p>	Breeds Apr 1 to Aug 31
<p>Bachman's Sparrow <i>Peucaea aestivalis</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/6177</p>	Breeds May 1 to Sep 30
<p>Bald Eagle <i>Haliaeetus leucocephalus</i></p> <p>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.</p> <p>https://ecos.fws.gov/ecp/species/1626</p>	Breeds Sep 1 to Jul 31
<p>Brown-headed Nuthatch <i>Sitta pusilla</i></p> <p>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p> <p>https://ecos.fws.gov/ecp/species/9427</p>	Breeds Mar 1 to Jul 15
<p>Cerulean Warbler <i>Setophaga cerulea</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/2974</p>	Breeds Apr 25 to Jul 20
<p>Chimney Swift <i>Chaetura pelagica</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/9406</p>	Breeds Mar 15 to Aug 25
<p>Chuck-will's-widow <i>Antrostomus carolinensis</i></p> <p>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p> <p>https://ecos.fws.gov/ecp/species/9604</p>	Breeds May 10 to Jul 10
<p>Eastern Whip-poor-will <i>Antrostomus vociferus</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/10678</p>	Breeds May 1 to Aug 20
<p>Golden Eagle <i>Aquila chrysaetos</i></p> <p>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.</p> <p>https://ecos.fws.gov/ecp/species/1680</p>	Breeds elsewhere

NAME	BREEDING SEASON
<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. https://ecos.fws.gov/ecp/species/3941</p>	Breeds elsewhere
<p>Kentucky Warbler <i>Geothlypis formosa</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9443</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. https://ecos.fws.gov/ecp/species/8936</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. https://ecos.fws.gov/ecp/species/9469</p>	Breeds elsewhere
<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. https://ecos.fws.gov/ecp/species/11919</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. https://ecos.fws.gov/ecp/species/9679</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 https://ecos.fws.gov/ecp/species/9477</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. https://ecos.fws.gov/ecp/species/9561</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. https://ecos.fws.gov/ecp/species/9513</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. https://ecos.fws.gov/ecp/species/9439</p>	Breeds Apr 1 to Jul 31

NAME	BREEDING SEASON
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9398	Breeds May 10 to Sep 10
Rusty Blackbird <i>Euphagus carolinus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9478	Breeds elsewhere
Semipalmated Sandpiper <i>Calidris pusilla</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9603	Breeds elsewhere
Sprague's Pipit <i>Anthus spragueii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8964	Breeds elsewhere
Swallow-tailed Kite <i>Elanoides forficatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8938	Breeds Mar 10 to Jun 30
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9431	Breeds May 10 to Aug 31
Yellow Rail <i>Coturnicops noveboracensis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9476	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.

Breeding Season (■)

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

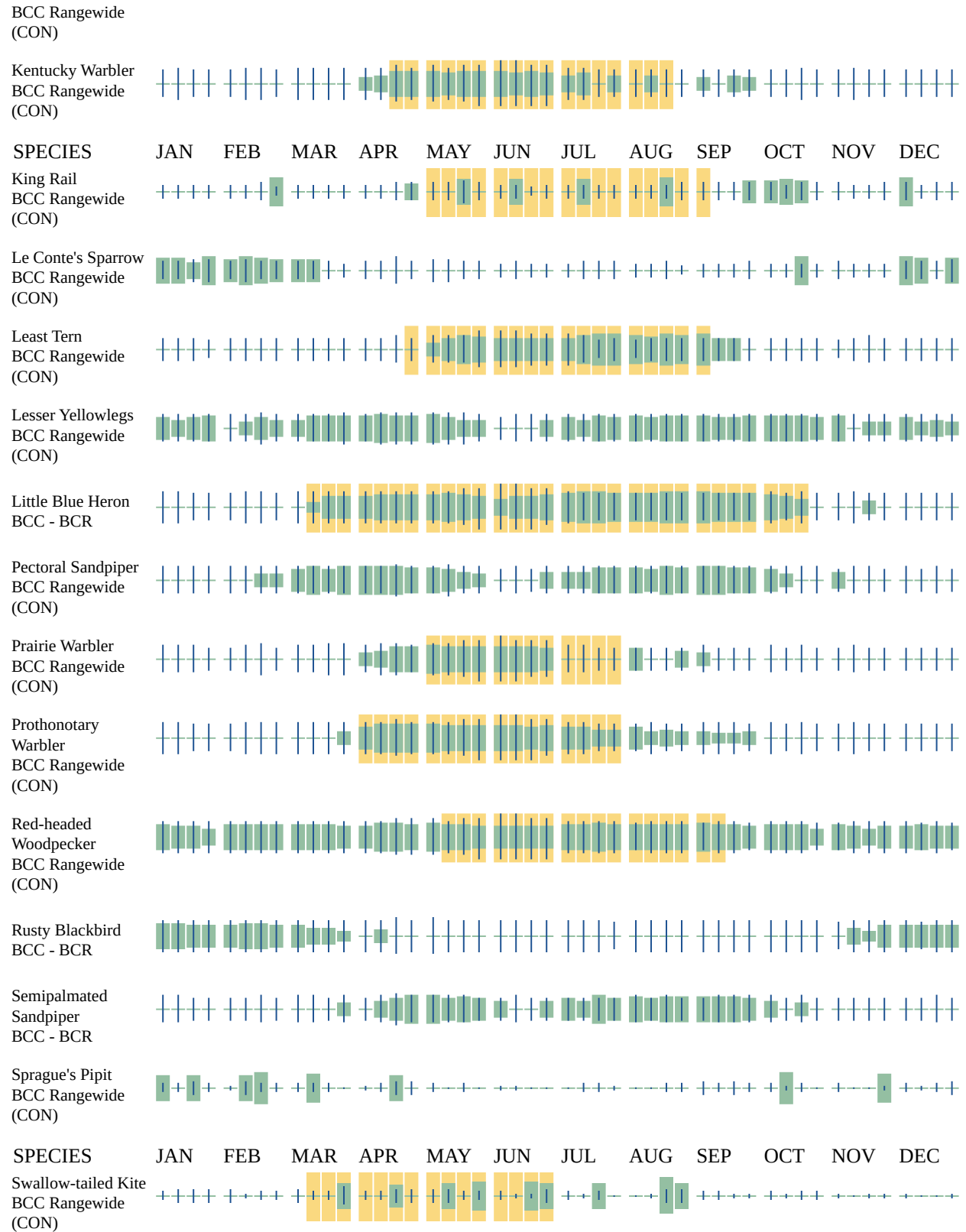
Survey Effort (|)

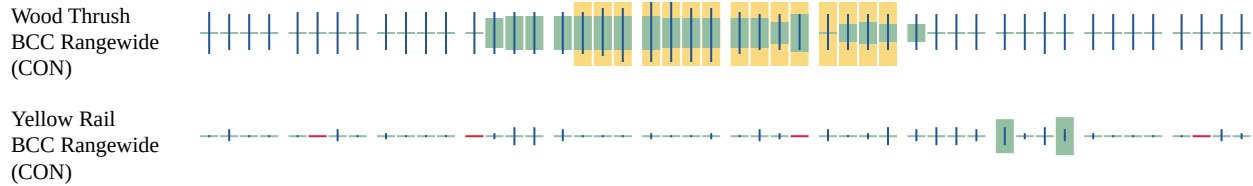
Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

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.

Due to your project's size, the list below may be incomplete, or the acreages reported may be inaccurate. For a full list, please contact the local U.S. Fish and Wildlife office or visit <https://www.fws.gov/wetlands/data/mapper.HTML>

FRESHWATER EMERGENT WETLAND

- PEM1/SS1C
- PEM1/AB3F
- PEM1/FO1F
- PEM1/FO2F
- PEM1/FO1C
- PEM1/SS1Fh
- PEM1/UBFd
- PEM1/UBF
- PEM1/AB2F

- PEM1/UBFx
- PEM1/SS1A
- PEM1/FO1Fh
- PEM1/SS1F
- PEM1A
- PEM1/AB4F
- PEM1/SS1Ah
- PEM1/SS1Ch

LAKE

- L2USCh
- L2AB4Fh
- L2AB3F
- L2UBGx
- L1UBGx
- L2AB3Fx
- L1UBH
- L2EM2Fh
- L2UBHx
- L2AB3Gh
- L
- L2UBKx
- L2AB3Hh
- L2USCx
- L1UBK
- Lh
- L2AB3Hx
- L1UBKx
- L2AB4/EM2Hh
- L2UBFx
- L2UBFh
- L2USC
- L2US2K
- L2UBF
- L2ABFh
- L1UBHh
- L2UBGr

- L2UBG
- L2UBGh
- L1UBHx
- L2UBHh
- L2USAh
- L2UBH
- L2AB4Hh
- L2US2Ah
- L2ABF
- L2AB4H
- L2US2Ch
- L2AB3H
- L2UBK
- L2USK
- L2USAx

FRESHWATER POND

- PAB4Hx
- PAB3F
- PAB2/SS1Fh
- PABHh
- PABH
- PAB4Fx
- PAB4F
- PAB3/4H
- PABFx
- PAB3Fx
- PAB/UBHh
- PAB3H
- PAB3Fh
- PABFh
- PAB3Hh
- PAB4Kx
- PAB4H
- PABHx
- PAB2Fh
- PAB4/SS1F

- PABF
- PAB4Fh
- PAB4Hh
- PAB4/FO2F
- PAB/UBF
- PAB3Hx
- PAB2/EM1Fh

IPAC USER CONTACT INFORMATION

Agency: Arkansas Department of Transportation

Name: Parker Brannon

Address: 10324 I-30

City: Little Rock

State: AR

Zip: 72209

Email: parker.brannon@ardot.gov

Phone: 5015692083

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

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

- BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Assistant Director-Ecological Services
1849 C Street Nw
Room 3345
Washington, DC 20240-0001
Phone: (202) 208-4646 Fax: (202) 208-5618

In Reply Refer To:

07/31/2025 19:08:37 UTC

Project code: 2025-0129805

Project Name: 012550 Districts 2, 3, & 7 Raised Pavement Markers (2026)(S)

Subject: No Effect Technical Assistance letter for the '012550 Districts 2, 3, & 7 Raised Pavement Markers (2026)(S)' project under the December 13, 2024, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat, Northern Long-eared Bat, and Tricolored Bat.

To whom it may concern:

This letter records the determination of effects to federally listed (or proposed) bat species anticipated to result from 012550 Districts 2, 3, & 7 Raised Pavement Markers (2026)(S) (the Project). This determination is based upon information you entered into the assisted determination key (Dkey) associated with the above referenced Programmatic Biological Opinion/Conference Opinion (PBO/PCO) in the U.S. Fish and Wildlife Service's (Service) Information for Planning and Consultation (IPaC) system on the date listed above.

Ensuring Accurate Determinations When Using IPaC:

The Service developed the IPaC system and this Dkey in accordance with the ESA and based on the PBO/PCO. All information submitted by the project proponent into IPaC must accurately represent the full scope and details of the Project.

Failure to accurately represent or implement the Project as detailed in the Dkey invalidates this letter.

Determinations:

Based on the information you provided (Project Description shown below), you have determined that the Project will have the following effect determinations:

Species	Listing Status	Determination
Indiana Bat (<i>Myotis sodalis</i>)	Endangered	No effect
Northern Long-eared Bat (<i>Myotis septentrionalis</i>)	Endangered	No effect

Tricolored Bat (*Perimyotis subflavus*)Proposed
Endangered

No effect

If the Project is not modified, **no consultation is required for these species**. If the Project is modified, or new information reveals that it may affect the Indiana bat, northern long-eared bat, or tricolored bat in a manner or to an extent not considered in the PBO/PCO, further review to conclude the requirements of ESA section 7(a)(2) may be required.

For Proposed Actions that include bridge/culvert or structure removal, replacement, and/or maintenance activities:

If your initial bridge, culvert, or structure assessment failed to detect Indiana bat, northern long-eared bat, or tricolored bat use or occupancy, yet bats are later detected prior to, or during construction, promptly notify the local Service Field Office within 2 working days of the discovery. In addition, please document whether incidental take occurred, and if so, the type (i.e. kill or harm) and amount (i.e. number of individuals) and submit documentation to the local Service Field Office within 5 working days from the completion of the bridge, culvert, or structure construction (use Appendix E - Post Assessment Discovery of Bats at Bridge/Culvert or Structure Form in the [User's Guide](#)). In these instances, potential incidental take of Indiana bats, northern long-eared bats, or tricolored bats may be exempted provided that the take is reported to the Service. In these instances, potential incidental take of Indiana bats, northern long-eared bats, or tricolored bats may be exempted provided that the take is reported to the Service.

If the Project may affect any other federally listed or proposed species and/or designated critical habitat, additional consultation between the lead Federal action agency and this Service Field Office is required for those species/designated critical habitat. If the Project has the potential to take bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act may also be required. In either of these circumstances, please advise the lead Federal action agency to contact this Service Field Office

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

- Alligator Snapping Turtle *Macrochelys temminckii* Proposed Threatened
- American Alligator *Alligator mississippiensis* Similarity of Appearance (Threatened)
- American Burying Beetle *Nicrophorus americanus* Threatened
- Arkansas Fatmucket *Lampsilis powellii* Threatened
- Eastern Black Rail *Laterallus jamaicensis ssp. jamaicensis* Threatened
- Fat Pocketbook *Potamilus capax* Endangered
- Geocarpon minimum Threatened
- Ivory-billed Woodpecker *Campephilus principalis* Endangered
- Leopard Darter *Percina pantherina* Threatened
- Missouri Bladderpod *Physaria filiformis* Threatened
- Monarch Butterfly *Danaus plexippus* Proposed Threatened

- Ouachita Fanshell *Cyprogenia sp. cf. aberti* Threatened
- Ouachita Rock Pocketbook *Arcidens wheeleri* Endangered
- Pallid Sturgeon *Scaphirhynchus albus* Endangered
- Pink Mucket (pearlymussel) *Lampsilis abrupta* Endangered
- Piping Plover *Charadrius melodus* Threatened
- Pondberry *Lindera melissifolia* Endangered
- Rabbitsfoot *Quadrula cylindrica cylindrica* Threatened
- Red-cockaded Woodpecker *Dryobates borealis* Threatened
- Rufa Red Knot *Calidris canutus rufa* Threatened
- Spectaclecase (mussel) *Cumberlandia monodonta* Endangered
- Winged Mapleleaf *Quadrula fragosa* Endangered

PROJECT DESCRIPTION

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

NAME

012550 Districts 2, 3, & 7 Raised Pavement Markers (2026)(S)

DESCRIPTION

Installation of raised pavement markers across Arkansas highway system

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@33.78512955,-92.73541950832251,14z>



DETERMINATION KEY RESULT

Based on the information you provided, you have determined that the Proposed Action will have no effect on the species covered by this determination key. Therefore, no consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat. 884, as amended 16 U.S.C. 1531 et seq.) is required for those species.

QUALIFICATION INTERVIEW

1. Which Federal Agency is the lead federal agency the action?

A) Federal Highway Administration (FHWA)

2. Your project overlaps with Zone 1 of the areas where northern long-eared bats and/or tricolored bats may be present and roosting in trees year-round?

Automatically answered

Yes

3. Your project overlaps with an area where northern long-eared bats or tricolored bats may be present and roosting in trees year-round.

Do you understand that your project may impact bats roosting in trees at any time during the year?

Yes

4. Does the Action Area intersect the species list area of the Northern long-eared bat?

Automatically answered

Yes

5. Does the Action Area intersect the species list area of the Indiana bat?

Automatically answered

Yes

6. Does the Action Area intersect the species list area of the tricolored Bat (TCB)?

Automatically answered

Yes

7. Is the project within 0.5 miles radius of an entrance/opening to any known Indiana bat hibernaculum?

No

8. [Semantic] Is any portion of the action area within a 0.5 mile radius of an entrance/opening to any known NLEB or TCB hibernacula?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact the Field Office listed in the letterhead of this letter.

Automatically answered

Yes

9. Does your project's activities include raising the road profile above the tree canopy in documented habitat for the Indiana bat, NLEB, or TCB?

Note: For the definition of documented habitat, refer to Appendix A: <https://www.fws.gov/media/users-guide-range-wide-programmatic-consultation-indiana-bat-and-northern-long-eared-bat>

No

10. Is your project located within a karst area?

No

11. Will the project include bridge, culvert, or structure removal, replacement, and/or alteration activities?

Note: For definitions of bridge, culvert, and structure, refer to Appendix A: <https://www.fws.gov/media/users-guide-range-wide-programmatic-consultation-indiana-bat-and-northern-long-eared-bat>.

No

12. Do your project's activities involve tree removal/trimming, temporary lighting, new/additional permanent lighting, ground disturbance, percussives that involves noise/vibration above existing background levels, vibrations, or slash pile burning?

No

13. Does the Action Area intersect the species list area of the Indiana bat?

Automatically answered

Yes

14. Does the Action Area intersect the species list area of the tricolored Bat (TCB)?

Automatically answered

Yes

15. Does the Action Area intersect the species list area of the northern long-eared bat (NLEB)?

Automatically answered

Yes

PROJECT QUESTIONNAIRE

1. Have you made a No Effect determinations for all other species included on the FWS IPaC generated species list?

Yes

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

No

DETERMINATION KEY DESCRIPTION: FHWA, FRA, FTA PROGRAMMATIC CONSULTATION FOR TRANSPORTATION PROJECTS AFFECTING IBAT, NLEB, OR TCB

This key was last updated in IPaC on July 21, 2025. Keys are subject to periodic revision.

This decision key is intended for projects/activities funded or authorized by the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), and/or Federal Transit Administration (FTA), which may require consultation with the U.S. Fish and Wildlife Service (Service) under Section 7 of the Endangered Species Act (ESA) and may affect the federally listed endangered Indiana bat (*Myotis sodalis*), northern long-eared bat (*Myotis septentrionalis*), and/or federally proposed endangered tricolored bat (*Perimyotis subflavus*).

This decision key should only be used to verify project applicability with the Service's Programmatic Biological Opinion/Conference Opinion for Transportation Projects in the Range of the Indiana bat, northern long-eared bat, and tricolored bat, dated December 13, 2024. The programmatic consultation limited transportation activities that may affect the covered bat species and addresses situations that are both likely and not likely to adversely affect the covered bat species. This decision key will assist in identifying the effect of a specific project/activity and the applicability of the programmatic consultation. The programmatic consultation is not intended to cover all types of transportation actions. Activities outside the scope of the programmatic consultation, or that may affect ESA-listed species other than the Indiana bat, northern long-eared bat, or tricolored bat, or their designated critical habitat, may require additional ESA Section 7 consultation.

IPAC USER CONTACT INFORMATION

Agency: Arkansas Department of Transportation

Name: Parker Brannon

Address: 10324 I-30

City: Little Rock

State: AR

Zip: 72209

Email: parker.brannon@ardot.gov

Phone: 5015692083

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

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

- BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)



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:

07/31/2025 19:40:55 UTC

Project Code: 2025-0129851

Project Name: 012551 Districts 4 & 9 Raised Pavement Markers (2026)(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.

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: 2025-0129851
Project Name: 012551 Districts 4 & 9 Raised Pavement Markers (2026)(S)
Project Type: Road/Hwy - Maintenance/Modification
Project Description: Installation of raised pavement markers across the Arkansas highway system

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@35.3416958,-94.12144307267809,14z>



Counties: Arkansas, Missouri, and Oklahoma

ENDANGERED SPECIES ACT SPECIES

There is a total of 32 threatened, endangered, or candidate species on this species list.

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

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

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

-
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
<p>Gray Bat <i>Myotis grisescens</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6329 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Endangered
<p>Indiana Bat <i>Myotis sodalis</i></p> <p>There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Endangered
<p>Northern Long-eared Bat <i>Myotis septentrionalis</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Endangered
<p>Ozark Big-eared Bat <i>Corynorhinus (=Plecotus) townsendii ingens</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7245 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Endangered
<p>Tricolored Bat <i>Perimyotis subflavus</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Proposed Endangered

BIRDS

NAME	STATUS
<p>Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10477</p>	Threatened
<p>Piping Plover <i>Charadrius melodus</i></p> <p>Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039</p>	Threatened

NAME	STATUS
Red-cockaded Woodpecker <i>Dryobates borealis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7614	Threatened
Rufa Red Knot <i>Calidris canutus rufa</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1864	Threatened

REPTILES

NAME	STATUS
Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4658 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf	Proposed Threatened

AMPHIBIANS

NAME	STATUS
Ozark Hellbender <i>Cryptobranchus alleganiensis bishopi</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/647 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf	Endangered

FISHES

NAME	STATUS
Leopard Darter <i>Percina pantherina</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8470	Threatened
Ozark Cavefish <i>Amblyopsis rosae</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6490 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf	Threatened
Yellowcheek Darter <i>Etheostoma moorei</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7871	Endangered

CLAMS

NAME	STATUS
<p>Arkansas Fatmucket <i>Lampsilis powellii</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2213</p>	Threatened
<p>Neosho Mucket <i>Lampsilis rafinesqueana</i></p> <p>There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3788 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Endangered
<p>Ouachita Fanshell <i>Cyprogenia sp. cf. aberti</i></p> <p>There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/10889</p>	Threatened
<p>Ouachita Rock Pocketbook <i>Arcidens wheeleri</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4509</p>	Endangered
<p>Rabbitsfoot <i>Quadrula cylindrica cylindrica</i></p> <p>There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5165 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Threatened
<p>Scaleshell Mussel <i>Leptodea leptodon</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5881 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Endangered
<p>Snuffbox Mussel <i>Epioblasma triquetra</i></p> <p>There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4135 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Endangered
<p>Speckled Pocketbook <i>Lampsilis streckeri</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7869</p>	Endangered
<p>Western Fanshell <i>Cyprogenia aberti</i></p> <p>There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6895 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Threatened

NAME	STATUS
<p>Winged Mapleleaf <i>Quadrula fragosa</i></p> <p>Population: Wherever found, except where listed as an experimental population No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4127 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Endangered

INSECTS

NAME	STATUS
<p>American Burying Beetle <i>Nicrophorus americanus</i></p> <p>Population: Wherever found, except where listed as an experimental population No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/66</p>	Threatened
<p>Monarch Butterfly <i>Danaus plexippus</i></p> <p>There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743</p>	Proposed Threatened
<p>Western Regal Fritillary <i>Argynnis idalia occidentalis</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/12017</p>	Proposed Threatened

CRUSTACEANS

NAME	STATUS
<p>Benton County Cave Crayfish <i>Cambarus aculabrum</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5011 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Endangered
<p>Hell Creek Cave Crayfish <i>Cambarus zophonastes</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1552</p>	Endangered

FLOWERING PLANTS

NAME	STATUS
<p>Geocarpon minimum</p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7699 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf</p>	Threatened

NAME	STATUS
Harperella <i>Ptilimnium nodosum</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/3739	Endangered
Missouri Bladderpod <i>Physaria filiformis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5361 General project design guidelines: https://ipac.ecosphere.fws.gov/project/UO5ZEJCL6JFBZBDBQKEXEFL4E/documents/generated/9456.pdf	Threatened

CRITICAL HABITATS

There are 5 critical habitats wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Leopard Darter <i>Percina pantherina</i> https://ecos.fws.gov/ecp/species/8470#crithab	Final
Neosho Mucket <i>Lampsilis rafinesqueana</i> https://ecos.fws.gov/ecp/species/3788#crithab	Final
Ouachita Fanshell <i>Cyprogenia sp. cf. aberti</i> https://ecos.fws.gov/ecp/species/10889#crithab	Final
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> https://ecos.fws.gov/ecp/species/5165#crithab	Final
Yellowcheek Darter <i>Etheostoma moorei</i> https://ecos.fws.gov/ecp/species/7871#crithab	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
LOGAN CAVE NATIONAL WILDLIFE REFUGE https://www.fws.gov/our-facilities?keywords=%5C%22LOGAN+CAVE+NATIONAL+WILDLIFE+REFUGE%5C%22	126.253

BALD & GOLDEN EAGLES

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

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

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

Measures for Proactively Minimizing Eagle Impacts

For information on how to best avoid and minimize disturbance to nesting bald eagles, please review the [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. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Jul 31
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds elsewhere

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[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 (■)

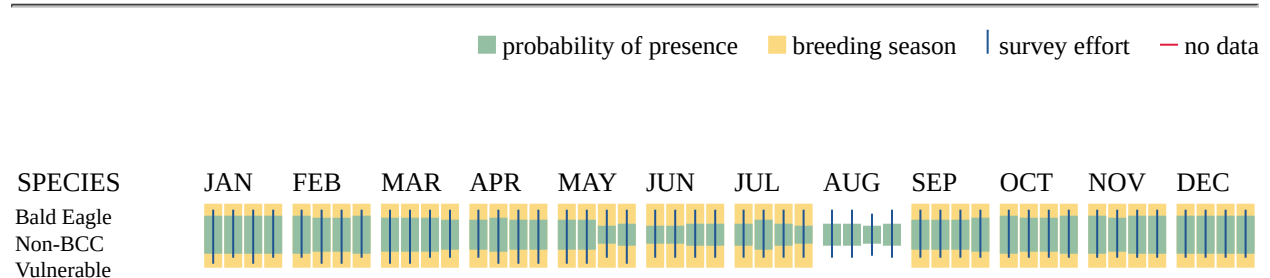
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

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.



Golden Eagle
 Non-BCC
 Vulnerable



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 <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

MIGRATORY BIRDS

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service).

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

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

NAME	BREEDING SEASON
American Golden-plover <i>Pluvialis dominica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10561	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 https://ecos.fws.gov/ecp/species/9587	Breeds Apr 1 to Aug 31

NAME	BREEDING SEASON
<p>Bachman's Sparrow <i>Peucaea aestivalis</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/6177</p>	Breeds May 1 to Sep 30
<p>Bald Eagle <i>Haliaeetus leucocephalus</i></p> <p>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.</p> <p>https://ecos.fws.gov/ecp/species/1626</p>	Breeds Sep 1 to Jul 31
<p>Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/9399</p>	Breeds May 15 to Oct 10
<p>Bobolink <i>Dolichonyx oryzivorus</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/9454</p>	Breeds May 20 to Jul 31
<p>Brown-headed Nuthatch <i>Sitta pusilla</i></p> <p>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p> <p>https://ecos.fws.gov/ecp/species/9427</p>	Breeds Mar 1 to Jul 15
<p>Cerulean Warbler <i>Setophaga cerulea</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/2974</p>	Breeds Apr 23 to Jul 20
<p>Chimney Swift <i>Chaetura pelagica</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/9406</p>	Breeds Mar 15 to Aug 25
<p>Chuck-will's-widow <i>Antrostomus carolinensis</i></p> <p>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p> <p>https://ecos.fws.gov/ecp/species/9604</p>	Breeds May 10 to Jul 10
<p>Eastern Whip-poor-will <i>Antrostomus vociferus</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/10678</p>	Breeds May 1 to Aug 20
<p>Field Sparrow <i>Spizella pusilla</i></p> <p>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p> <p>https://ecos.fws.gov/ecp/species/9446</p>	Breeds Mar 1 to Aug 15

NAME	BREEDING SEASON
<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. https://ecos.fws.gov/ecp/species/1680</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 https://ecos.fws.gov/ecp/species/8329</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. https://ecos.fws.gov/ecp/species/3941</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. https://ecos.fws.gov/ecp/species/9443</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. https://ecos.fws.gov/ecp/species/8936</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. https://ecos.fws.gov/ecp/species/9469</p>	Breeds elsewhere
<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. https://ecos.fws.gov/ecp/species/11919</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. https://ecos.fws.gov/ecp/species/9679</p>	Breeds elsewhere
<p>Pectoral Sandpiper <i>Calidris melanotos</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9561</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. https://ecos.fws.gov/ecp/species/9513</p>	Breeds May 1 to Jul 31

NAME	BREEDING SEASON
Prothonotary Warbler <i>Protonotaria citrea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9439	Breeds Apr 1 to Jul 31
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9398	Breeds May 10 to Sep 10
Rusty Blackbird <i>Euphagus carolinus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9478	Breeds elsewhere
Semipalmated Sandpiper <i>Calidris pusilla</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9603	Breeds elsewhere
Sprague's Pipit <i>Anthus spragueii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8964	Breeds elsewhere
Swallow-tailed Kite <i>Elanoides forficatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8938	Breeds Mar 10 to Jun 30
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9431	Breeds May 10 to Aug 31

PROBABILITY OF PRESENCE SUMMARY

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

Probability of Presence (■)

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

Breeding Season (■)

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

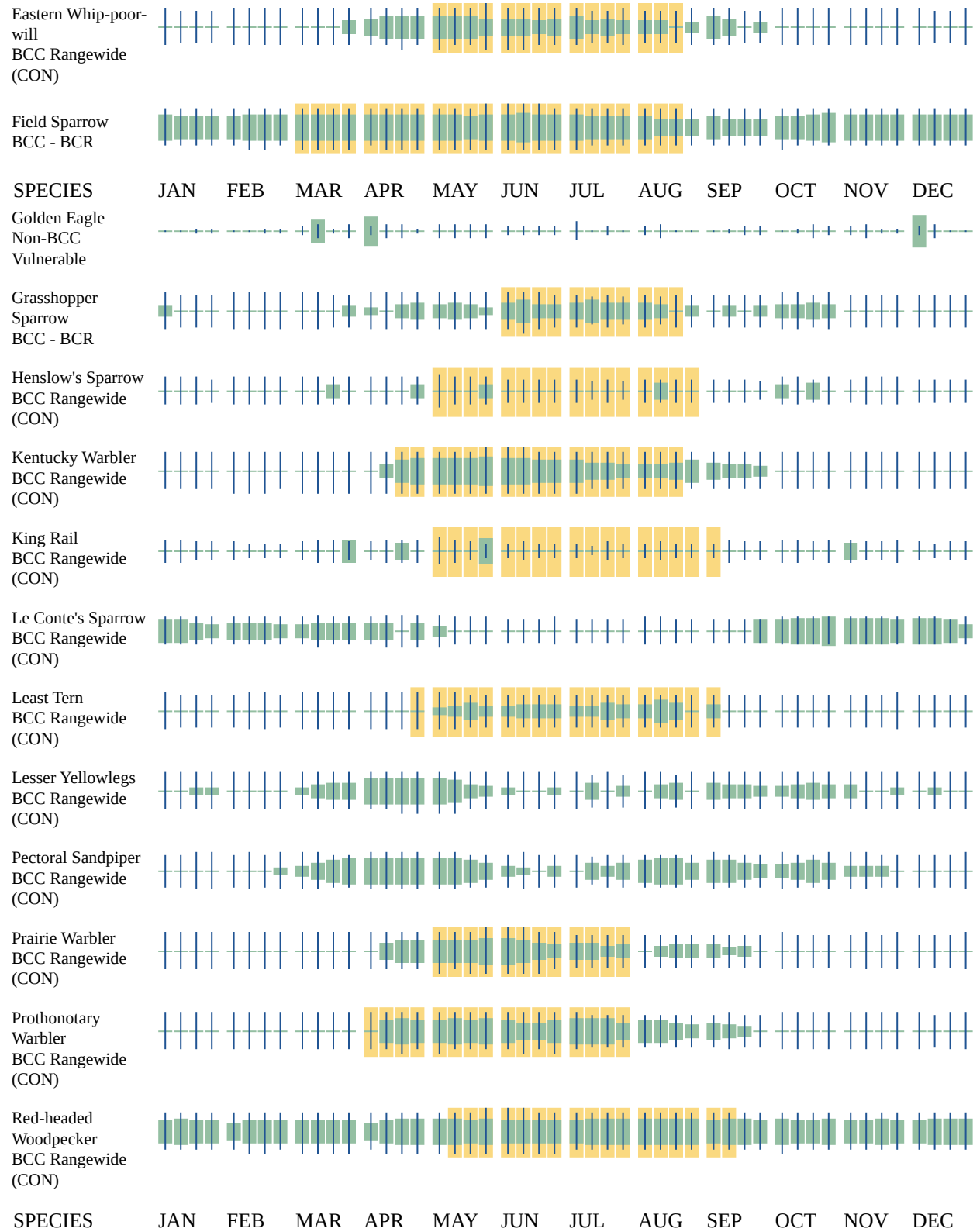
Survey Effort (|)

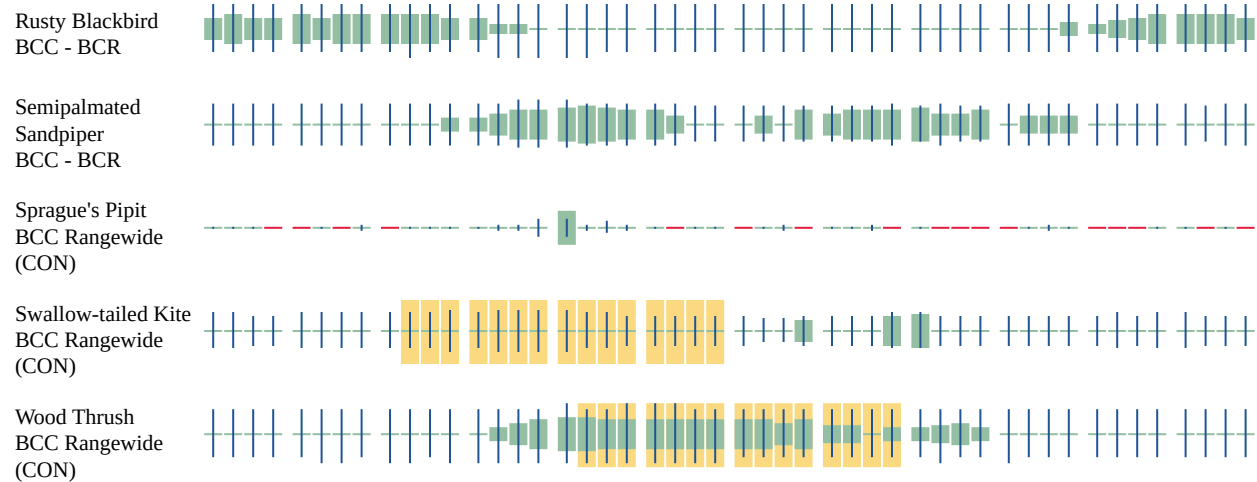
Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (-)

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







Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-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.

Due to your project's size, the list below may be incomplete, or the acreages reported may be inaccurate. For a full list, please contact the local U.S. Fish and Wildlife office or visit <https://www.fws.gov/wetlands/data/mapper.HTML>

LAKE

- L2USA
- L1UBHx
- L2UBF

- L1UBH
- L2USCh
- L1UBGh
- L2USAh
- L1UBHh
- L
- L2UBFx
- L1UBKx
- L2UBGh
- L2UBHh
- L2UBFh
- L2USC

FRESHWATER POND

- PAB4H
- PAB/UBHx
- PAB4F
- PABHx
- PAB/UBHh
- PAB3Fx
- PAB3Hh
- PUBHh
- PUBFh
- PAB4Hh
- PAB3Fh
- PUBHx
- PABH
- PAB4Hx
- PABHh

FRESHWATER EMERGENT WETLAND

- PEM1Fx
- PEM1Ax
- PEM1/USA
- PEM1B
- PEM1A
- PEM1/USC
- PEM1Ah

- PEM1C
- PEM1/SS1C
- PEM1/UBFh
- PEM1/UBF
- PEM1/USCh

RIVERINE

- R3UBG
- R2USA
- R2USC
- R5UBH
- R5UBF
- R4SBC

FRESHWATER FORESTED/SHRUB WETLAND

- PFO1C
- PFO1A

IPAC USER CONTACT INFORMATION

Agency: Arkansas Department of Transportation

Name: Parker Brannon

Address: 10324 I-30

City: Little Rock

State: AR

Zip: 72209

Email: parker.brannon@ardot.gov

Phone: 5015692083

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

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

- BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Assistant Director-Ecological Services
1849 C Street Nw
Room 3345
Washington, DC 20240-0001
Phone: (202) 208-4646 Fax: (202) 208-5618

In Reply Refer To:

07/31/2025 20:28:54 UTC

Project code: 2025-0129851

Project Name: 012551 Districts 4 & 9 Raised Pavement Markers (2026)(S)

Subject: No Effect Technical Assistance letter for the '012551 Districts 4 & 9 Raised Pavement Markers (2026)(S)' project under the December 13, 2024, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat, Northern Long-eared Bat, and Tricolored Bat.

To whom it may concern:

This letter records the determination of effects to federally listed (or proposed) bat species anticipated to result from 012551 Districts 4 & 9 Raised Pavement Markers (2026)(S) (the Project). This determination is based upon information you entered into the assisted determination key (Dkey) associated with the above referenced Programmatic Biological Opinion/Conference Opinion (PBO/PCO) in the U.S. Fish and Wildlife Service's (Service) Information for Planning and Consultation (IPaC) system on the date listed above.

Ensuring Accurate Determinations When Using IPaC:

The Service developed the IPaC system and this Dkey in accordance with the ESA and based on the PBO/PCO. All information submitted by the project proponent into IPaC must accurately represent the full scope and details of the Project.

Failure to accurately represent or implement the Project as detailed in the Dkey invalidates this letter.

Determinations:

Based on the information you provided (Project Description shown below), you have determined that the Project will have the following effect determinations:

Species	Listing Status	Determination
Indiana Bat (<i>Myotis sodalis</i>)	Endangered	No effect
Northern Long-eared Bat (<i>Myotis septentrionalis</i>)	Endangered	No effect

Tricolored Bat (*Perimyotis subflavus*)Proposed
Endangered

No effect

If the Project is not modified, **no consultation is required for these species**. If the Project is modified, or new information reveals that it may affect the Indiana bat, northern long-eared bat, or tricolored bat in a manner or to an extent not considered in the PBO/PCO, further review to conclude the requirements of ESA section 7(a)(2) may be required.

For Proposed Actions that include bridge/culvert or structure removal, replacement, and/or maintenance activities:

If your initial bridge, culvert, or structure assessment failed to detect Indiana bat, northern long-eared bat, or tricolored bat use or occupancy, yet bats are later detected prior to, or during construction, promptly notify the local Service Field Office within 2 working days of the discovery. In addition, please document whether incidental take occurred, and if so, the type (i.e. kill or harm) and amount (i.e. number of individuals) and submit documentation to the local Service Field Office within 5 working days from the completion of the bridge, culvert, or structure construction (use Appendix E - Post Assessment Discovery of Bats at Bridge/Culvert or Structure Form in the [User's Guide](#)). In these instances, potential incidental take of Indiana bats, northern long-eared bats, or tricolored bats may be exempted provided that the take is reported to the Service. In these instances, potential incidental take of Indiana bats, northern long-eared bats, or tricolored bats may be exempted provided that the take is reported to the Service.

If the Project may affect any other federally listed or proposed species and/or designated critical habitat, additional consultation between the lead Federal action agency and this Service Field Office is required for those species/designated critical habitat. If the Project has the potential to take bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act may also be required. In either of these circumstances, please advise the lead Federal action agency to contact this Service Field Office

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

- Alligator Snapping Turtle *Macrochelys temminckii* Proposed Threatened
- American Burying Beetle *Nicrophorus americanus* Threatened
- Arkansas Fatmucket *Lampsilis powellii* Threatened
- Benton County Cave Crayfish *Cambarus aculabrum* Endangered
- Eastern Black Rail *Laterallus jamaicensis ssp. jamaicensis* Threatened
- Geocarpon minimum Threatened
- Gray Bat *Myotis grisescens* Endangered
- Harperella *Ptilimnium nodosum* Endangered
- Hell Creek Cave Crayfish *Cambarus zophonastes* Endangered
- Leopard Darter *Percina pantherina* Threatened
- Missouri Bladderpod *Physaria filiformis* Threatened

- Monarch Butterfly *Danaus plexippus* Proposed Threatened
- Neosho Mucket *Lampsilis rafinesqueana* Endangered
- Ouachita Fanshell *Cyprogenia sp. cf. aberti* Threatened
- Ouachita Rock Pocketbook *Arcidens wheeleri* Endangered
- Ozark Big-eared Bat *Corynorhinus (=Plecotus) townsendii ingens* Endangered
- Ozark Cavefish *Amblyopsis rosae* Threatened
- Ozark Hellbender *Cryptobranchus alleganiensis bishopi* Endangered
- Piping Plover *Charadrius melodus* Threatened
- Rabbitsfoot *Quadrula cylindrica cylindrica* Threatened
- Red-cockaded Woodpecker *Dryobates borealis* Threatened
- Rufa Red Knot *Calidris canutus rufa* Threatened
- Scaleshell Mussel *Leptodea leptodon* Endangered
- Snuffbox Mussel *Epioblasma triquetra* Endangered
- Speckled Pocketbook *Lampsilis streckeri* Endangered
- Western Fanshell *Cyprogenia aberti* Threatened
- Western Regal Fritillary *Argynnis idalia occidentalis* Proposed Threatened
- Winged Mapleleaf *Quadrula fragosa* Endangered
- Yellowcheek Darter *Etheostoma moorei* Endangered

PROJECT DESCRIPTION

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

NAME

012551 Districts 4 & 9 Raised Pavement Markers (2026)(S)

DESCRIPTION

Installation of raised pavement markers across the Arkansas highway system

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@35.3416958,-94.12144307267809,14z>



DETERMINATION KEY RESULT

Based on the information you provided, you have determined that the Proposed Action will have no effect on the species covered by this determination key. Therefore, no consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat. 884, as amended 16 U.S.C. 1531 et seq.) is required for those species.

QUALIFICATION INTERVIEW

1. Which Federal Agency is the lead federal agency the action?

A) Federal Highway Administration (FHWA)

2. Does the Action Area intersect the species list area of the Northern long-eared bat?

Automatically answered

Yes

3. Does the Action Area intersect the species list area of the Indiana bat?

Automatically answered

Yes

4. Does the Action Area intersect the species list area of the tricolored Bat (TCB)?

Automatically answered

Yes

5. Is the project within 0.5 miles radius of an entrance/opening to any known Indiana bat hibernaculum?

Yes

6. [Semantic] Is any portion of the action area within a 0.5 mile radius of an entrance/opening to any known NLEB or TCB hibernacula?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact the Field Office listed in the letterhead of this letter.

Automatically answered

Yes

7. Does your project's activities include raising the road profile above the tree canopy in documented habitat for the Indiana bat, NLEB, or TCB?

Note: For the definition of documented habitat, refer to Appendix A: <https://www.fws.gov/media/users-guide-range-wide-programmatic-consultation-indiana-bat-and-northern-long-eared-bat>

No

8. Is your project located within a karst area?

Yes

9. Will the project include any activities that alter the entrance or environment of a known Indiana bat, NLEB, or TCB hibernaculum?

No

10. Will the project include bridge, culvert, or structure removal, replacement, and/or alteration activities?

Note: For definitions of bridge, culvert, and structure, refer to Appendix A: <https://www.fws.gov/media/users-guide-range-wide-programmatic-consultation-indiana-bat-and-northern-long-eared-bat>.

No

11. Do your project's activities involve tree removal/trimming, temporary lighting, new/additional permanent lighting, ground disturbance, percussives that involves noise/vibration above existing background levels, vibrations, or slash pile burning?

No

12. Does the Action Area intersect the species list area of the Indiana bat?

Automatically answered

Yes

13. Does the Action Area intersect the species list area of the tricolored Bat (TCB)?

Automatically answered

Yes

14. Does the Action Area intersect the species list area of the northern long-eared bat (NLEB)?

Automatically answered

Yes

PROJECT QUESTIONNAIRE

1. Have you made a No Effect determinations for all other species included on the FWS IPaC generated species list?

Yes

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

No

DETERMINATION KEY DESCRIPTION: FHWA, FRA, FTA PROGRAMMATIC CONSULTATION FOR TRANSPORTATION PROJECTS AFFECTING IBAT, NLEB, OR TCB

This key was last updated in IPaC on July 21, 2025. Keys are subject to periodic revision.

This decision key is intended for projects/activities funded or authorized by the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), and/or Federal Transit Administration (FTA), which may require consultation with the U.S. Fish and Wildlife Service (Service) under Section 7 of the Endangered Species Act (ESA) and may affect the federally listed endangered Indiana bat (*Myotis sodalis*), northern long-eared bat (*Myotis septentrionalis*), and/or federally proposed endangered tricolored bat (*Perimyotis subflavus*).

This decision key should only be used to verify project applicability with the Service's Programmatic Biological Opinion/Conference Opinion for Transportation Projects in the Range of the Indiana bat, northern long-eared bat, and tricolored bat, dated December 13, 2024. The programmatic consultation limited transportation activities that may affect the covered bat species and addresses situations that are both likely and not likely to adversely affect the covered bat species. This decision key will assist in identifying the effect of a specific project/activity and the applicability of the programmatic consultation. The programmatic consultation is not intended to cover all types of transportation actions. Activities outside the scope of the programmatic consultation, or that may affect ESA-listed species other than the Indiana bat, northern long-eared bat, or tricolored bat, or their designated critical habitat, may require additional ESA Section 7 consultation.

IPAC USER CONTACT INFORMATION

Agency: Arkansas Department of Transportation

Name: Parker Brannon

Address: 10324 I-30

City: Little Rock

State: AR

Zip: 72209

Email: parker.brannon@ardot.gov

Phone: 5015692083

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

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

- BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Oklahoma Ecological Services Field Office
9014 East 21st Street
Tulsa, OK 74129-1428
Phone: (918) 581-7458 Fax: (918) 581-7467

In Reply Refer To:

07/31/2025 20:27:18 UTC

Project code: 2025-0129851

Project Name: 012551 Districts 4 & 9 Raised Pavement Markers (2026)(S)

Subject: Technical Assistance letter for '012551 Districts 4 & 9 Raised Pavement Markers (2026)(S)' project for a No Effect determination for the American burying beetle

Dear Parker Brannon:

The U.S. Fish and Wildlife Service (Service) received on **July 31, 2025** your effect determination(s) for the '012551 Districts 4 & 9 Raised Pavement Markers (2026)(S)' (the Action) using the American burying beetle (*Nicrophorus americanus*) determination key within the Information for Planning and Consultation (IPaC) system.

The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.)

Based on your consideration of the Action and the assistance in the Service's American burying beetle determination key, you have determined that your proposed action will have No Effect on the American burying beetle.

Your agency has met consultation requirements for these species by informing the Service of your "no effect" determination. No further consultation for this project is required for the American burying beetle. This technical assistance letter confirms you may rely on effect determinations you reached by considering the American burying beetle DKey to satisfy agency consultation requirements under Section 7(a) (2) of the Endangered Species Act of 1973 (87 Stat. 884, as amended 16 U.S.C. 1531 et seq.; ESA).

Coordination with your local Ecological Services Office is complete for the American burying beetle. If your project may affect additional listed species, please contact your local Ecological Services Field Office for assistance with those species. Thank you for considering Federally-listed species during your project planning.

This letter covers only the American burying beetle. It **does not** apply to the following ESA-protected species that also may occur in the Action area:

- Alligator Snapping Turtle *Macrochelys temminckii* Proposed Threatened
- Arkansas Fatmucket *Lampsilis powellii* Threatened

- Benton County Cave Crayfish *Cambarus aculabrum* Endangered
- Eastern Black Rail *Laterallus jamaicensis ssp. jamaicensis* Threatened
- Geocarpon minimum Threatened
- Gray Bat *Myotis grisescens* Endangered
- Harperella *Ptilimnium nodosum* Endangered
- Hell Creek Cave Crayfish *Cambarus zophonastes* Endangered
- Indiana Bat *Myotis sodalis* Endangered
- Leopard Darter *Percina pantherina* Threatened
- Missouri Bladderpod *Physaria filiformis* Threatened
- Monarch Butterfly *Danaus plexippus* Proposed Threatened
- Neosho Mucket *Lampsilis rafinesqueana* Endangered
- Northern Long-eared Bat *Myotis septentrionalis* Endangered
- Ouachita Fanshell *Cyprogenia sp. cf. aberti* Threatened
- Ouachita Rock Pocketbook *Arcidens wheeleri* Endangered
- Ozark Big-eared Bat *Corynorhinus (=Plecotus) townsendii ingens* Endangered
- Ozark Cavefish *Amblyopsis rosae* Threatened
- Ozark Hellbender *Cryptobranchus alleganiensis bishopi* Endangered
- Piping Plover *Charadrius melodus* Threatened
- Rabbitsfoot *Quadrula cylindrica cylindrica* Threatened
- Red-cockaded Woodpecker *Dryobates borealis* Threatened
- Rufa Red Knot *Calidris canutus rufa* Threatened
- Scaleshell Mussel *Leptodea leptodon* Endangered
- Snuffbox Mussel *Epioblasma triquetra* Endangered
- Speckled Pocketbook *Lampsilis streckeri* Endangered
- Tricolored Bat *Perimyotis subflavus* Proposed Endangered
- Western Fanshell *Cyprogenia aberti* Threatened
- Western Regal Fritillary *Argynnis idalia occidentalis* Proposed Threatened
- Winged Mapleleaf *Quadrula fragosa* Endangered
- Yellowcheek Darter *Etheostoma moorei* Endangered

If your project may affect additional listed species, you must evaluate additional DKeys for other species, or submit a request for consultation for the additional species to your local Ecological Services Field Office.

The Service recommends that your agency contact the Service or re-evaluate the project in IPaC if: 1) the scope or location of the proposed project is changed significantly, 2) new information reveals that the action may affect listed species or designated critical habitat; 3) the action is modified in a manner that causes effects to listed species or designated critical habitat; or 4) a

new species is listed or critical habitat designated. If any of the above conditions occurs, additional consultation should take place before project changes are final or resources committed.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

012551 Districts 4 & 9 Raised Pavement Markers (2026)(S)

2. Description

The following description was provided for the project '012551 Districts 4 & 9 Raised Pavement Markers (2026)(S)':

Installation of raised pavement markers across the Arkansas highway system

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@35.3416958,-94.12144307267809,14z>



QUALIFICATION INTERVIEW

1. Does the proposed action involve **wind or solar energy**?

No

2. Is the action authorized, funded, or being carried out by a Federal agency?

Yes

3. Have you determined that the proposed action will have “no effect” on the American burying beetle? (If you are unsure select "No")

Yes

PROJECT QUESTIONNAIRE

Please select the activity that best matches your proposed action.

8. Soil disturbance related to road construction and maintenance

If you chose 13 above, please describe below. If you did not choose 13 above, please type "0".

0

IPAC USER CONTACT INFORMATION

Agency: Arkansas Department of Transportation

Name: Parker Brannon

Address: 10324 I-30

City: Little Rock

State: AR

Zip: 72209

Email: parker.brannon@ardot.gov

Phone: 5015692083

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

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

- BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)



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:

07/31/2025 20:32:40 UTC

Project Code: 2025-0129880

Project Name: 012552 Districts 6 & 8 Raised Pavement Markers (2026)(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: 2025-0129880

Project Name: 012552 Districts 6 & 8 Raised Pavement Markers (2026)(S)

Project Type: Road/Hwy - Maintenance/Modification

Project Description: Installation of raised pavement markers across Arkansas highway system

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@34.9661331,-92.53615413584065,14z>



Counties: Arkansas

ENDANGERED SPECIES ACT SPECIES

There is a total of 29 threatened, endangered, or candidate species on this species list.

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

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

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

-
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: https://ecos.fws.gov/ecp/species/6329	Endangered
Indiana Bat <i>Myotis sodalis</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Ozark Big-eared Bat <i>Corynorhinus (=Plecotus) townsendii ingens</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7245	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	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: https://ecos.fws.gov/ecp/species/10477	Threatened
Ivory-billed Woodpecker <i>Campephilus principalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8230	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 final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039	Threatened
Red-cockaded Woodpecker <i>Dryobates borealis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7614	Threatened
Rufa Red Knot <i>Calidris canutus rufa</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1864	Threatened

REPTILES

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

FISHES

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

CLAMS

NAME	STATUS
Arkansas Fatmucket <i>Lampsilis powellii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2213	Threatened
Fat Pocketbook <i>Potamilus capax</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2780	Endangered
Ouachita Fanshell <i>Cyprogenia sp. cf. aberti</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/10889	Threatened
Ouachita Rock Pocketbook <i>Arcidens wheeleri</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4509	Endangered
Pink Mucket (pearlymussel) <i>Lampsilis abrupta</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7829	Endangered
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5165	Threatened
Scaleshell Mussel <i>Leptodea leptodon</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5881	Endangered
Snuffbox Mussel <i>Epioblasma triquetra</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4135	Endangered
Speckled Pocketbook <i>Lampsilis streckeri</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7869	Endangered

NAME	STATUS
Spectaclecase (mussel) <i>Cumberlandia monodonta</i> There is proposed critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7867	Endangered
Western Fanshell <i>Cyprogenia aberti</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6895	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: https://ecos.fws.gov/ecp/species/4127	Endangered

INSECTS

NAME	STATUS
American Burying Beetle <i>Nicrophorus americanus</i> Population: Wherever found, except where listed as an experimental population No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/66	Threatened
Monarch Butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

FLOWERING PLANTS

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

CRITICAL HABITATS

There are 4 critical habitats wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Ouachita Fanshell <i>Cyprogenia sp. cf. aberti</i> https://ecos.fws.gov/ecp/species/10889#crithab	Final

NAME	STATUS
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> https://ecos.fws.gov/ecp/species/5165#crithab	Final
Spectaclecase (mussel) <i>Cumberlandia monodonta</i> https://ecos.fws.gov/ecp/species/7867#crithab	Proposed
Yellowcheek Darter <i>Etheostoma moorei</i> https://ecos.fws.gov/ecp/species/7871#crithab	Final

IPAC USER CONTACT INFORMATION

Agency: Arkansas Department of Transportation

Name: Parker Brannon

Address: 10324 I-30

City: Little Rock

State: AR

Zip: 72209

Email: parker.brannon@ardot.gov

Phone: 5015692083

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

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

- BIPARTISAN INFRASTRUCTURE LAW (BIL) (OTHER)



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:

07/31/2025 20:36:56 UTC

Project code: 2025-0129880

Project Name: 012552 Districts 6 & 8 Raised Pavement Markers (2026)(S)

Subject: Technical Assistance letter for '012552 Districts 6 & 8 Raised Pavement Markers (2026)(S)' project for a No Effect determination for the American burying beetle

Dear Parker Brannon:

The U.S. Fish and Wildlife Service (Service) received on **July 31, 2025** your effect determination(s) for the '012552 Districts 6 & 8 Raised Pavement Markers (2026)(S)' (the Action) using the American burying beetle (*Nicrophorus americanus*) determination key within the Information for Planning and Consultation (IPaC) system.

The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.)

Based on your consideration of the Action and the assistance in the Service's American burying beetle determination key, you have determined that your proposed action will have No Effect on the American burying beetle.

Your agency has met consultation requirements for these species by informing the Service of your "no effect" determination. No further consultation for this project is required for the American burying beetle. This technical assistance letter confirms you may rely on effect determinations you reached by considering the American burying beetle DKey to satisfy agency consultation requirements under Section 7(a) (2) of the Endangered Species Act of 1973 (87 Stat. 884, as amended 16 U.S.C. 1531 et seq.; ESA).

Coordination with your local Ecological Services Office is complete for the American burying beetle. If your project may affect additional listed species, please contact your local Ecological Services Field Office for assistance with those species. Thank you for considering Federally-listed species during your project planning.

This letter covers only the American burying beetle. It **does not** apply to the following ESA-protected species that also may occur in the Action area:

- Alligator Snapping Turtle *Macrochelys temminckii* Proposed Threatened
- Arkansas Fatmucket *Lampsilis powellii* Threatened

- Eastern Black Rail *Laterallus jamaicensis ssp. jamaicensis* Threatened
- Fat Pocketbook *Potamilus capax* Endangered
- Gray Bat *Myotis grisescens* Endangered
- Harperella *Ptilimnium nodosum* Endangered
- Indiana Bat *Myotis sodalis* Endangered
- Ivory-billed Woodpecker *Campephilus principalis* Endangered
- Missouri Bladderpod *Physaria filiformis* Threatened
- Monarch Butterfly *Danaus plexippus* Proposed Threatened
- Northern Long-eared Bat *Myotis septentrionalis* Endangered
- Ouachita Fanshell *Cyprogenia sp. cf. aberti* Threatened
- Ouachita Rock Pocketbook *Arcidens wheeleri* Endangered
- Ozark Big-eared Bat *Corynorhinus (=Plecotus) townsendii ingens* Endangered
- Pink Mucket (pearlymussel) *Lampsilis abrupta* Endangered
- Piping Plover *Charadrius melodus* Threatened
- Pondberry *Lindera melissifolia* Endangered
- Rabbitsfoot *Quadrula cylindrica cylindrica* Threatened
- Red-cockaded Woodpecker *Dryobates borealis* Threatened
- Rufa Red Knot *Calidris canutus rufa* Threatened
- Scaleshell Mussel *Leptodea leptodon* Endangered
- Snuffbox Mussel *Epioblasma triquetra* Endangered
- Speckled Pocketbook *Lampsilis streckeri* Endangered
- Spectaclecase (mussel) *Cumberlandia monodonta* Endangered
- Tricolored Bat *Perimyotis subflavus* Proposed Endangered
- Western Fanshell *Cyprogenia aberti* Threatened
- Winged Mapleleaf *Quadrula fragosa* Endangered
- Yellowcheek Darter *Etheostoma moorei* Endangered

If your project may affect additional listed species, you must evaluate additional DKeys for other species, or submit a request for consultation for the additional species to your local Ecological Services Field Office.

The Service recommends that your agency contact the Service or re-evaluate the project in IPaC if: 1) the scope or location of the proposed project is changed significantly, 2) new information reveals that the action may affect listed species or designated critical habitat; 3) the action is modified in a manner that causes effects to listed species or designated critical habitat; or 4) a new species is listed or critical habitat designated. If any of the above conditions occurs, additional consultation should take place before project changes are final or resources committed.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

012552 Districts 6 & 8 Raised Pavement Markers (2026)(S)

2. Description

The following description was provided for the project '012552 Districts 6 & 8 Raised Pavement Markers (2026)(S)':

Installation of raised pavement markers across Arkansas highway system

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@34.9661331,-92.53615413584065,14z>



QUALIFICATION INTERVIEW

1. Does the proposed action involve **wind or solar energy**?

No

2. Is the action authorized, funded, or being carried out by a Federal agency?

Yes

3. Have you determined that the proposed action will have “no effect” on the American burying beetle? (If you are unsure select "No")

Yes

PROJECT QUESTIONNAIRE

Please select the activity that best matches your proposed action.

8. Soil disturbance related to road construction and maintenance

If you chose 13 above, please describe below. If you did not choose 13 above, please type "0".

0

IPAC USER CONTACT INFORMATION

Agency: Arkansas Department of Transportation

Name: Parker Brannon

Address: 10324 I-30

City: Little Rock

State: AR

Zip: 72209

Email: parker.brannon@ardot.gov

Phone: 5015692083

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

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

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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:

07/31/2025 20:42:34 UTC

Project code: 2025-0129880

Project Name: 012552 Districts 6 & 8 Raised Pavement Markers (2026)(S)

Subject: No Effect Technical Assistance letter for the '012552 Districts 6 & 8 Raised Pavement Markers (2026)(S)' project under the December 13, 2024, FHWA, FRA, FTA Programmatic Biological Opinion for Transportation Projects within the Range of the Indiana Bat, Northern Long-eared Bat, and Tricolored Bat.

To whom it may concern:

This letter records the determination of effects to federally listed (or proposed) bat species anticipated to result from 012552 Districts 6 & 8 Raised Pavement Markers (2026)(S) (the Project). This determination is based upon information you entered into the assisted determination key (Dkey) associated with the above referenced Programmatic Biological Opinion/Conference Opinion (PBO/PCO) in the U.S. Fish and Wildlife Service's (Service) Information for Planning and Consultation (IPaC) system on the date listed above.

Ensuring Accurate Determinations When Using IPaC:

The Service developed the IPaC system and this Dkey in accordance with the ESA and based on the PBO/PCO. All information submitted by the project proponent into IPaC must accurately represent the full scope and details of the Project.

Failure to accurately represent or implement the Project as detailed in the Dkey invalidates this letter.

Determinations:

Based on the information you provided (Project Description shown below), you have determined that the Project will have the following effect determinations:

Species	Listing Status	Determination
Indiana Bat (<i>Myotis sodalis</i>)	Endangered	No effect
Northern Long-eared Bat (<i>Myotis septentrionalis</i>)	Endangered	No effect

Tricolored Bat (*Perimyotis subflavus*)Proposed
Endangered

No effect

If the Project is not modified, **no consultation is required for these species**. If the Project is modified, or new information reveals that it may affect the Indiana bat, northern long-eared bat, or tricolored bat in a manner or to an extent not considered in the PBO/PCO, further review to conclude the requirements of ESA section 7(a)(2) may be required.

For Proposed Actions that include bridge/culvert or structure removal, replacement, and/or maintenance activities:

If your initial bridge, culvert, or structure assessment failed to detect Indiana bat, northern long-eared bat, or tricolored bat use or occupancy, yet bats are later detected prior to, or during construction, promptly notify the local Service Field Office within 2 working days of the discovery. In addition, please document whether incidental take occurred, and if so, the type (i.e. kill or harm) and amount (i.e. number of individuals) and submit documentation to the local Service Field Office within 5 working days from the completion of the bridge, culvert, or structure construction (use Appendix E - Post Assessment Discovery of Bats at Bridge/Culvert or Structure Form in the [User's Guide](#)). In these instances, potential incidental take of Indiana bats, northern long-eared bats, or tricolored bats may be exempted provided that the take is reported to the Service. In these instances, potential incidental take of Indiana bats, northern long-eared bats, or tricolored bats may be exempted provided that the take is reported to the Service.

If the Project may affect any other federally listed or proposed species and/or designated critical habitat, additional consultation between the lead Federal action agency and this Service Field Office is required for those species/designated critical habitat. If the Project has the potential to take bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act may also be required. In either of these circumstances, please advise the lead Federal action agency to contact this Service Field Office

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

- Alligator Snapping Turtle *Macrochelys temminckii* Proposed Threatened
- American Burying Beetle *Nicrophorus americanus* Threatened
- Arkansas Fatmucket *Lampsilis powellii* Threatened
- Eastern Black Rail *Laterallus jamaicensis ssp. jamaicensis* Threatened
- Fat Pocketbook *Potamilus capax* Endangered
- Gray Bat *Myotis grisescens* Endangered
- Harperella *Ptilimnium nodosum* Endangered
- Ivory-billed Woodpecker *Campephilus principalis* Endangered
- Missouri Bladderpod *Physaria filiformis* Threatened
- Monarch Butterfly *Danaus plexippus* Proposed Threatened
- Ouachita Fanshell *Cyprogenia sp. cf. aberti* Threatened

- Ouachita Rock Pocketbook *Arcidens wheeleri* Endangered
- Ozark Big-eared Bat *Corynorhinus (=Plecotus) townsendii ingens* Endangered
- Pink Mucket (pearlymussel) *Lampsilis abrupta* Endangered
- Piping Plover *Charadrius melodus* Threatened
- Pondberry *Lindera melissifolia* Endangered
- Rabbitsfoot *Quadrula cylindrica cylindrica* Threatened
- Red-cockaded Woodpecker *Dryobates borealis* Threatened
- Rufa Red Knot *Calidris canutus rufa* Threatened
- Scaleshell Mussel *Leptodea leptodon* Endangered
- Snuffbox Mussel *Epioblasma triquetra* Endangered
- Speckled Pocketbook *Lampsilis streckeri* Endangered
- Spectaclecase (mussel) *Cumberlandia monodonta* Endangered
- Western Fanshell *Cyprogenia aberti* Threatened
- Winged Mapleleaf *Quadrula fragosa* Endangered
- Yellowcheek Darter *Etheostoma moorei* Endangered

PROJECT DESCRIPTION

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

NAME

012552 Districts 6 & 8 Raised Pavement Markers (2026)(S)

DESCRIPTION

Installation of raised pavement markers across Arkansas highway system

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@34.9661331,-92.53615413584065,14z>



DETERMINATION KEY RESULT

Based on the information you provided, you have determined that the Proposed Action will have no effect on the species covered by this determination key. Therefore, no consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat. 884, as amended 16 U.S.C. 1531 et seq.) is required for those species.

QUALIFICATION INTERVIEW

1. Which Federal Agency is the lead federal agency the action?

A) Federal Highway Administration (FHWA)

2. Does the Action Area intersect the species list area of the Northern long-eared bat?

Automatically answered

Yes

3. Does the Action Area intersect the species list area of the Indiana bat?

Automatically answered

Yes

4. Does the Action Area intersect the species list area of the tricolored Bat (TCB)?

Automatically answered

Yes

5. Is the project within 0.5 miles radius of an entrance/opening to any known Indiana bat hibernaculum?

No

6. [Semantic] Is any portion of the action area within a 0.5 mile radius of an entrance/opening to any known NLEB or TCB hibernacula?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact the Field Office listed in the letterhead of this letter.

Automatically answered

Yes

7. Does the action area overlap with any state where bats may use talus or anthropogenic or naturally formed rock crevices in rocky outcrops, rock faces or cliffs for hibernation?

Automatically answered

Yes

8. Does the action area contain or occur within 0.5 miles of (1) talus or (2) anthropogenic or naturally formed rock crevices in rocky outcrops, rock faces or cliffs?

No

9. Does your project's activities include raising the road profile above the tree canopy in documented habitat for the Indiana bat, NLEB, or TCB?

Note: For the definition of documented habitat, refer to Appendix A: <https://www.fws.gov/media/users-guide-range-wide-programmatic-consultation-indiana-bat-and-northern-long-eared-bat>

No

10. Is your project located within a karst area?

Yes

11. Will the project include any activities that alter the entrance or environment of a known Indiana bat, NLEB, or TCB hibernaculum?

No

12. Will the project include bridge, culvert, or structure removal, replacement, and/or alteration activities?

Note: For definitions of bridge, culvert, and structure, refer to Appendix A: <https://www.fws.gov/media/users-guide-range-wide-programmatic-consultation-indiana-bat-and-northern-long-eared-bat>.

No

13. Do your project's activities involve tree removal/trimming, temporary lighting, new/additional permanent lighting, ground disturbance, percussives that involves noise/vibration above existing background levels, vibrations, or slash pile burning?

No

14. Does the Action Area intersect the species list area of the Indiana bat?

Automatically answered

Yes

15. Does the Action Area intersect the species list area of the tricolored Bat (TCB)?

Automatically answered

Yes

16. Does the Action Area intersect the species list area of the northern long-eared bat (NLEB)?

Automatically answered

Yes

PROJECT QUESTIONNAIRE

1. Have you made a No Effect determinations for all other species included on the FWS IPaC generated species list?

Yes

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

No

DETERMINATION KEY DESCRIPTION: FHWA, FRA, FTA PROGRAMMATIC CONSULTATION FOR TRANSPORTATION PROJECTS AFFECTING IBAT, NLEB, OR TCB

This key was last updated in IPaC on July 21, 2025. Keys are subject to periodic revision.

This decision key is intended for projects/activities funded or authorized by the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), and/or Federal Transit Administration (FTA), which may require consultation with the U.S. Fish and Wildlife Service (Service) under Section 7 of the Endangered Species Act (ESA) and may affect the federally listed endangered Indiana bat (*Myotis sodalis*), northern long-eared bat (*Myotis septentrionalis*), and/or federally proposed endangered tricolored bat (*Perimyotis subflavus*).

This decision key should only be used to verify project applicability with the Service's Programmatic Biological Opinion/Conference Opinion for Transportation Projects in the Range of the Indiana bat, northern long-eared bat, and tricolored bat, dated December 13, 2024. The programmatic consultation limited transportation activities that may affect the covered bat species and addresses situations that are both likely and not likely to adversely affect the covered bat species. This decision key will assist in identifying the effect of a specific project/activity and the applicability of the programmatic consultation. The programmatic consultation is not intended to cover all types of transportation actions. Activities outside the scope of the programmatic consultation, or that may affect ESA-listed species other than the Indiana bat, northern long-eared bat, or tricolored bat, or their designated critical habitat, may require additional ESA Section 7 consultation.

IPAC USER CONTACT INFORMATION

Agency: Arkansas Department of Transportation

Name: Parker Brannon

Address: 10324 I-30

City: Little Rock

State: AR

Zip: 72209

Email: parker.brannon@ardot.gov

Phone: 5015692083

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Highway Administration

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" 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			No impacts anticipated
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			No impacts anticipated
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		Improves lane visibility
Streams	X			No impacts anticipated
Water Quality	X			No impacts anticipated
Wetlands	X			No impacts anticipated
Wildlife Refuges	X			No impacts anticipated

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 9/3/2025