



INTEROFFICE MEMORANDUM

March 16, 2020

TO: Master Files

FROM: *for* John Fleming, Division Head, Environmental Division *JS*

SUBJECT: Job Number 101053
FAP Number NHPP-0061(22)
Beaver Dam Ditch Str. & Apprs. (O'Kean) (S)
Route 90, Section 5
Randolph County
Tier 1 Categorical Exclusion

The proposed project would replace a narrow bridge on Highway 90 in O'Kean, Randolph County. The project length will be less than 0.1 mile. A project location map is attached.

The typical section in the project area currently consists of two 10' wide paved travel lanes with 2' wide unpaved shoulders. The existing right of way width is 80'. The proposed typical section would consist of two 11' wide paved travel lanes with 4' wide shoulders (2' paved). The bridge would be replaced with a reinforced concrete box culvert. The new right of way width will be up to 370' and up to 3.0 acres of proposed right of way would be required for the proposed project.

The project would not involve relocations or impacts to prime farmland, underground storage tanks, hazardous materials, environmental justice populations, public water supplies, or cultural resources. This project has been determined to generate minimal air quality impacts for Clean Air Act criteria pollutants and has not been linked with any special mobile source air toxic concerns. State Historic Preservation Officer clearance is attached.

Based on the ARDOT noise policy, a noise analysis is not required for this project. The bridge replacement would not involve adding capacity, substantially changing the roadway alignment, or exposing noise sensitive land uses to traffic noise

sources. In compliance with federal guidelines, local authorities will not require notification.

The official species list obtained from the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) site identified the following federally-listed species as potentially occurring within the project area: the endangered gray bat (*Myotis grisescens*), the threatened northern long-eared bat (*Myotis septentrionalis*), the proposed threatened Eastern Black Rail (*Laterallus jamaicensis ssp. jamaicensis*), the threatened Red Knot (*Calidris canutus rufa*), the endangered Whooping Crane (*Grus americana*), the threatened Missouri bladderpod (*Physaria filiformis*), and the endangered pondberry (*Lindera melissifolia*).

A “may affect, not likely to adversely affect” determination for the northern long-eared bat was provided through programmatic consultation with the USFWS via IPaC. The Final 4(d) Rule applies to the project’s activities that have the potential to affect northern long-eared bats and exempts the incidental take of northern long-eared bats from take prohibitions in the Endangered Species Act. These exemptions apply as long as the activities do not occur within 0.25 mile of a known hibernaculum or within 150 feet of a known occupied maternity roost from June 1 to July 31. No known hibernacula or maternity roosts exist within the project limits; therefore, the project can proceed without restrictions. All off-site locations will require coordination with USFWS.

A ‘no effect’ determination was made for gray bat due to the location of the project outside of the consultation area for this species. A ‘no effect’ determination was made for Eastern Black Rail, Red Knot, Whooping Crane, and Missouri bladderpod due to lack of suitable habitat in the project area and distance to known occurrence records. A survey for pondberry was conducted on December 31, 2019, in the project area. This species was not located; thus, it has been determined that the project will have ‘no effect’ on pondberry.

Permanent stream impacts are estimated at up to 80 linear feet due to culvert construction. Construction of the proposed project should be allowed under the terms of a Nationwide 14 Section 404 Permit for Linear Transportation Projects as defined in the Federal Register 82(4):1860-2008.

Randolph County participates in the National Flood Insurance Program. The project lies within a Zone A Special Flood Hazard Area. The final project design will be reviewed to confirm that the design is adequate and that the potential risk to life and property are minimized. Adjacent properties should not be impacted nor

have a greater flood risk than existed before construction of the project. None of the encroachments would constitute a substantial floodplain encroachment or a risk to property or life.

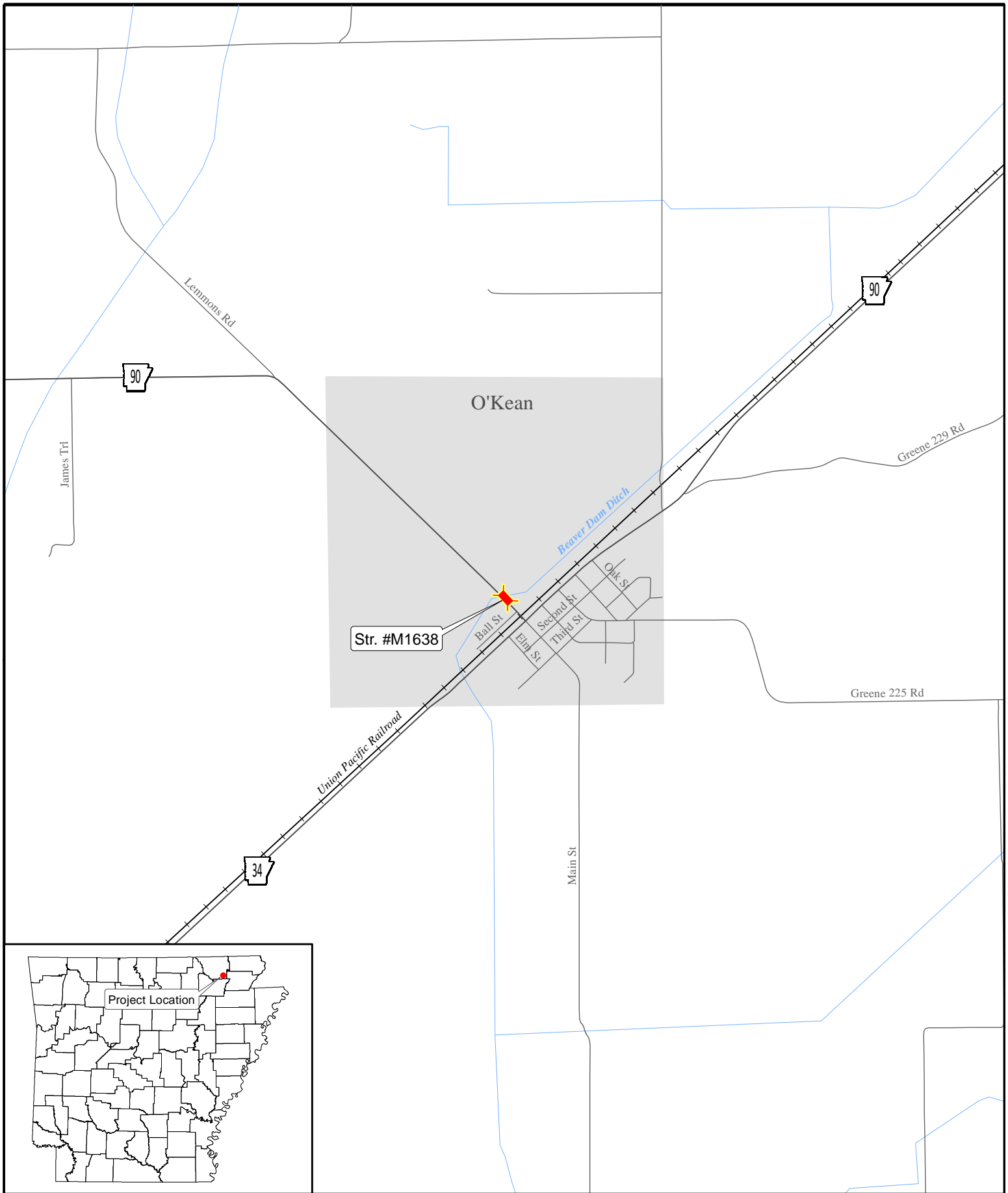
After appropriate environmental review, it has been determined that the subject job is a Tier 1 Categorical Exclusion as described by the ARDOT/FHWA Programmatic Agreement on Categorical Exclusion Documentation and Processing. A public hearing will not be offered for this project.

JF:SS:am

Attachments:

- Location Map
- SHPO Clearance
- Environmental Study Checklist
- Project Design Criteria

c: Program Management
Right of Way
Roadway Design
District 10
FHWA



0 1,000 2,000
Feet

ARDOT - Environmental GIS - Hopkins
February 13, 2020

Job 101053
Beaver Dam Ditch Str. & Apprs.
(O'Kean) (Hwy. 90)
Randolph County



Project Location



ARKANSAS DEPARTMENT OF TRANSPORTATION

ArDOT.gov | IDriveArkansas.com | Scott E. Bennett, 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

105342-01
FHWA

February 5, 2020

Secretary Stacy Hurst
Arkansas Historic Preservation Program
1100 North Street
Little Rock, Arkansas 72201

AHPP
FEB 05 2020

RE: Job Number 101053
Beaver Dam Ditch Str. & Apprs.
(O'Kean) (S)
Route 90, Section 5
Randolph County

Dear Secretary Hurst:

A Project Identification Form (PIF) for the referenced project is enclosed. Please review for concurrence with the findings of my staff. If you have any questions or require additional information, please contact Jason Eads of my staff at (501) 569-2181.

Date 2-6-20
No known historic properties will be
affected by this undertaking. This
effect determination could change
should new information come to light.
Scott E. Bennett
Arkansas State Historic Preservation Officer

Sincerely,

John Fleming
Division Head
Environmental Division

JF:KB:JE:cb

Enclosure
PIF

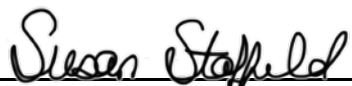
ARDOT ENVIRONMENTAL VERIFICATION CHECKLIST FOR CONSIDERATION OF POTENTIAL IMPACTS

ARDOT Job Number 101053 FAP Number NHPP-0061(22)
Job Title Beaver Dam Ditch Str. & Apprs. (O'Kean) (S)

Environmental Resource	None	Minimal	Major	Comments
Air Quality	X			No impacts anticipated
Cultural Resources	X			"No historic properties affected"
Economic	X			No impacts anticipated
Endangered Species		X		"May affect, not likely to adversely affect" NLEB
Environmental Justice/Title VI	X			No impacts anticipated
Fish and Wildlife		X		Temporary during construction
Floodplains		X		Project within Zone A SFHA
Forest Service Property	X			Not within USFS administrative boundary
Hazardous Materials/Landfills	X			No impacts anticipated
Land Use		X		3.0 acres proposed ROW
Migratory Birds	X			Migratory Bird SP added to contract
Navigation/Coast Guard	X			No navigable waterways impacted
Noise Levels	X			No increases due to project
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
Relocates	X			No relocations anticipated
Section 4(f)/6(f)	X			No Section 4(f) resources in project area
Social	X			No impacts anticipated
Underground Storage Tanks	X			No impacts anticipated
Visual	X			No changes to visual environment
Streams		X		80 linear feet permanent impacts anticipated
Water Quality		X		Temporary decline during construction
Wetlands	X			No impacts anticipated
Wildlife Refuges	X			None in project area

Section 401 Water Quality Certification Required? No
Short-term Activity Authorization Required? Yes
Section 404 Permit Required? Yes Type Nationwide Permit 14

Remarks:

Signature of Evaluator  Date March 12, 2020

PROJECT DESIGN CRITERIA

DATE: November 7, 2019
REV.:

JOB NO:	101053	ROUTE / SECTION:	90 / 5	LENGTH:	0.06 mile	COUNTY:	Randolph
JOB NAME:	Beaver Dam Ditch Str. & Apprs. (O'Kean) (S)					MIN ORDER:	2018-080
2021 ADT:	500	2041 ADT:	600	TRUCK:	5%	4-LANE GRID SYSTEM:	No
APHN:	No	INCENTIVE/DISINCENTIVE:	No	FUNCTIONAL CLASSIFICATION:		Major Collector	

EXISTING CONDITIONS			
ROADWAY WIDTH:	24'	WIDTH OF TRAVELED WAY:	20'
BIKE/PED ACCOMMODATIONS:	N/A	CRASH RATE:	0.84
		STATEWIDE CRASH RATE:	1.07

BRIDGE INFORMATION								
Bridge No.	Log Mile	Length x Width	Structure Type	BCI	Deck/Culvert Rating	Superstructure Rating	Substructure Rating	Posted
M1638	0.61	58.0' x 25.2'	Steel Multi-Beam	61.75	6	5	5	5

* Refer to PDC Bridge Information Codes

RECOMMENDED CRITERIA			
NO. OF LANES:	2	WIDTH:	11'
DIVIDED:	No	MEDIAN WIDTH:	N/A
BRIDGE WIDTHS:	N/A	DESIGN SPEED - RURAL:	45 mph
DEGREE OF ACCESS CONTROL:	None		
LOCATION OF INTERCHANGES:	N/A	CHANNELIZED INTERSECTION:	As warranted
TRAFFIC SIGNALS:	As warranted	RR X-ING PROTECTION:	As warranted
BIKE/PED ACCOMMODATIONS:	N/A		
PREVIOUS PLANNING STUDY:	None		
STUDY FINDING:	N/A		

RECOMMENDED TYPE FUNDS:	NHPP
PRELIM COST ESTIMATE:	ROADWAY: \$800,000 BRIDGE: \$0 TOTAL: \$800,000

REMARKS:

R.C. Box Culvert

Use AASHTO Green Book (2018)

RECOMMENDED BY:

Charles Ellis:



Trinity Smith:



Date:

11/18/19

Date:

11/7/19

APPROVED BY:

Mike Fugett:


ACE-Design

Date:

11-19-19

(ATTACH NEW PROJECT MEMO, LOCATION MAP, AND CRASH ANALYSIS)