



## **US Army Corps of Engineers®**

Chicago District  
Planning Branch  
231 South La Salle Street  
Suite 1500  
Chicago, Illinois 60604  
312-353-6400

### **Appendix A – Vehicle and Equipment Usage for Design Alternatives**

Draft Environmental Assessment Flossmoor Storm Sewer  
Improvement Project

## **Flossmoor Viaduct Storm Sewer GHG Analysis**

### **Alternative 1: Open-Cut**

#### **Remove 24" and install 72" and manholes**

Large excavator (CAT 340) – 8 hours per day for 14 days.

Small wheel loader (CAT 926) – 8 hours per day for 14 days.

Skid steer (CAT 249) – 2 hours per day for 14 days.

Semi dump trucks – 10 trucks for 8 hours per day for 14 days.

#### **Install inlets and 12" storm sewer**

Mini excavator (CAT 305) – 8 hours per day for 2 days.

Small wheel loader (CAT 926) - 8 hours per day for 2 days.

Semi dump trucks – 2 trucks for 8 hours per day for 2 days.

#### **Restoration of Road**

Milling machine (CAT PM 620) – 1 day.

Paver (CAT AP455) – 8 hours per day for 2 days.

Roller (CAT CB4.4) – 2 rollers for 8 hours per day for 3 days.

Skid steer (CAT 249) – 8 hours per day for 3 days.

Semi dump trucks –5 trucks for 8 hours per day for 3 days.

## **Alternative 2: Trenchless Installation (1 Jacking Pit and 2 Receiving Pits)**

### **Excavate and Backfill Jacking and Receiving Pits**

Large excavator (CAT 340) – 8 hours per day for 3 days.

Small wheel loader (CAT 926) – 8 hours per day for 3 days.

Skid steer (CAT 249) - 2 hours per day for 3 days.

Semi dump trucks – 4 trucks per day for 3 days.

### **Excavate and Install 6 Manholes not at Pits**

Large excavator (CAT 340)– 8 hours per day for 3 days.

Small wheel loader (CAT 926) – 8 hours per day for 3 days.

Skid steer (CAT 249) - 2 hours per day for 3 days.

Semi dump trucks – 4 trucks per day for 3 days.

### **Bore and Jack 72” Storm Sewer**

Engine Driven Boring Machine – 8 hours per day for 11 days.

Truck-Mounted Crane (National Crane 600E2) – 8 hours per day for 11 days.

Small wheel loader (CAT 926) – 4 hours per day for 11 days.

Semi dump trucks – 2 trucks per day for 11 days.

### **Restoration of Road**

Milling machine (CAT PM620) – 1 day.

Paver (CAT AP455) – 8 hours per day for 2 days.

Roller (CAT CB4.4) – 2 rollers for 8 hours per day for 3 days.

Skid steer (CAT 249) – 8 hours per day for 3 days.

Semi dump trucks – 5 trucks for 8 hours per day for 3 days.

**From:** [Mita Garasia](#)  
**To:** [Belcik, Samantha D CIV USARMY CELRC \(USA\)](#)  
**Subject:** [Non-DoD Source] RE: Question - Sec 219 Flossmoor - GHG  
**Date:** Thursday, January 30, 2025 5:20:53 PM  
**Attachments:** [image001.png](#)  
[image003.png](#)

---

Hi Sam,

See my answers below in green and let me know if you need anything else.

Thanks!

Mita



**Mita Garasia**  
Water Resources Project Manager



direct: 815.444.3250  
[mgarasia@baxterwoodman.com](mailto:mgarasia@baxterwoodman.com)  
[baxterwoodman.com](http://baxterwoodman.com)  
1548 Bond St., Suite 103  
Naperville, IL 60563

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**From:** Belcik, Samantha D CIV USARMY CELRC (USA) <[Samantha.D.Belcik@usace.army.mil](mailto:Samantha.D.Belcik@usace.army.mil)>  
**Sent:** Thursday, January 30, 2025 12:49 PM  
**To:** Mita Garasia <[mgarasia@baxterwoodman.com](mailto:mgarasia@baxterwoodman.com)>  
**Subject:** Question - Sec 219 Flossmoor - GHG

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Afternoon Mita,

I have a quick question (hopefully) as part of the greenhouse gas emissions analysis. What you all sent earlier was great, we do just need to make some assumptions regarding the no action since we need to analyze that too. We have it in the EA that the no action would, obviously, not implement the project and therefore flooding would continue. The question I have is, in the no action, would there be any repairs or small modifications that would happen overtime to this section that we can capture greenhouse gas emissions?

Our no action option would truly be “no action” and just letting the roadway and people’s properties flood.

An example from another project that might help understand what I'm looking for is that their sewer pipes were degrading and if they don't do the project then they would need to conduct at least 2 repairs each year for the next 10 years. Since this project just has insufficient capacity (and to my knowledge) no need of repairs, it seems that the no action truly is no action and just letting the roadway and people's properties flood. If that is the case, I can make some assumptions regarding GHG emissions with the increased traffic during storms and potential increase in traffic due to clean up efforts. But even with those assumptions, I would need to know roughly how many flood causing storms occur a year and roughly the of increased number of cars.

We can assume that the Flossmoor Road Viaduct area floods three times a year and assume that 7700 vehicles daily would need to be rerouted due to closures from the flooding (AADT of Flossmoor Rd as of 2022 is 7,700).

Please let me know if you have any insight or questions. Feel free to call if it's easier to talk it out too.

Thanks,  
Sam

Samantha Belcik  
Biologist and Planner  
Chicago District  
U.S. Army Corps of Engineers  
231 S. LaSalle St., Suite 1500  
Chicago, IL 60604  
Office: 312-846-5467  
Cell: 312-718-5428

**From:** [Mita Garasia](#)  
**To:** [Belcik, Samantha D CIV USARMY CELRC \(USA\)](#)  
**Subject:** [Non-DoD Source] RE: Question - Sec 219 Flossmoor - GHG  
**Date:** Friday, January 31, 2025 12:11:46 PM  
**Attachments:** [image001.png](#)  
[image003.png](#)

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Hi Sam,

Just some additional info on this:

The nearest crossing to the flooded viaduct is 1 mile away, either north or south. So the flooding could add up to 2 miles for each vehicle. (Though it would be less than that for most routes.)

Thanks,  
Mita



**Mita Garasia**  
Water Resources Project Manager

**BAXTER & WOODMAN**  
Consulting Engineers

direct: 815.444.3250  
[mgarasia@baxterwoodman.com](mailto:mgarasia@baxterwoodman.com)  
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overtime to this section that we can capture greenhouse gas emissions?

An example from another project that might help understand what I'm looking for is that their sewer pipes were degrading and if they don't do the project then they would need to conduct at least 2 repairs each year for the next 10 years. Since this project just has insufficient capacity (and to my knowledge) no need of repairs, it seems that the no action truly is no action and just letting the roadway and people's properties flood. If that is the case, I can make some assumptions regarding GHG emissions with the increased traffic during storms and potential increase in traffic due to clean up efforts. But even with those assumptions, I would need to know roughly how many flood causing storms occur a year and roughly the of increased number of cars.

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Thanks,  
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### **Appendix B – Coordination**

Draft Environmental Assessment Flossmoor Storm Sewer  
Improvement Project



## Scoping



**DEPARTMENT OF THE ARMY**  
U.S. ARMY CORPS OF ENGINEERS, CHICAGO DISTRICT  
231 SOUTH LASALLE STREET, SUITE 1500  
CHICAGO IL 60604

July 12, 2024

Planning Branch  
Planning, Programs and Project Management

Dear Recipient:

The U.S Army Corps of Engineers, Chicago District (USACE) will be preparing a National Environmental Policy Act (NEPA) document on the impacts associated with a proposed environmental infrastructure project in the Village of Flossmoor, Cook County, Illinois pursuant to Section 219 of the Water Resources Development Act of 1992, as amended.

The Village of Flossmoor is working with USACE to improve storm sewers to address flooding at the Flossmoor Road viaduct by increasing conveyance capacity and in-line storage for surcharged stormwater (Enclosure 1). Approximately 500 linear feet (LF) of new 72-inch diameter storm sewer pipe would be installed along Sterling Avenue, between Maryland Avenue and Hawthorne Lane. All work will be conducted within the roadway right-of-way, including incidental related work such as pavement, sidewalk, driveway, and parkway restoration.

As part of the NEPA scoping process, USACE is seeking comments or concerns regarding potential impacts from the proposed project. Enclosure 2 is a list of state and federal agencies, tribal nations, and elected officials receiving this request. If you have any comments or concerns, please provide them in writing by August 15, 2024, to Ms. Samantha Belcik, Biologist, via email at [samantha.d.belcik@usace.army.mil](mailto:samantha.d.belcik@usace.army.mil).

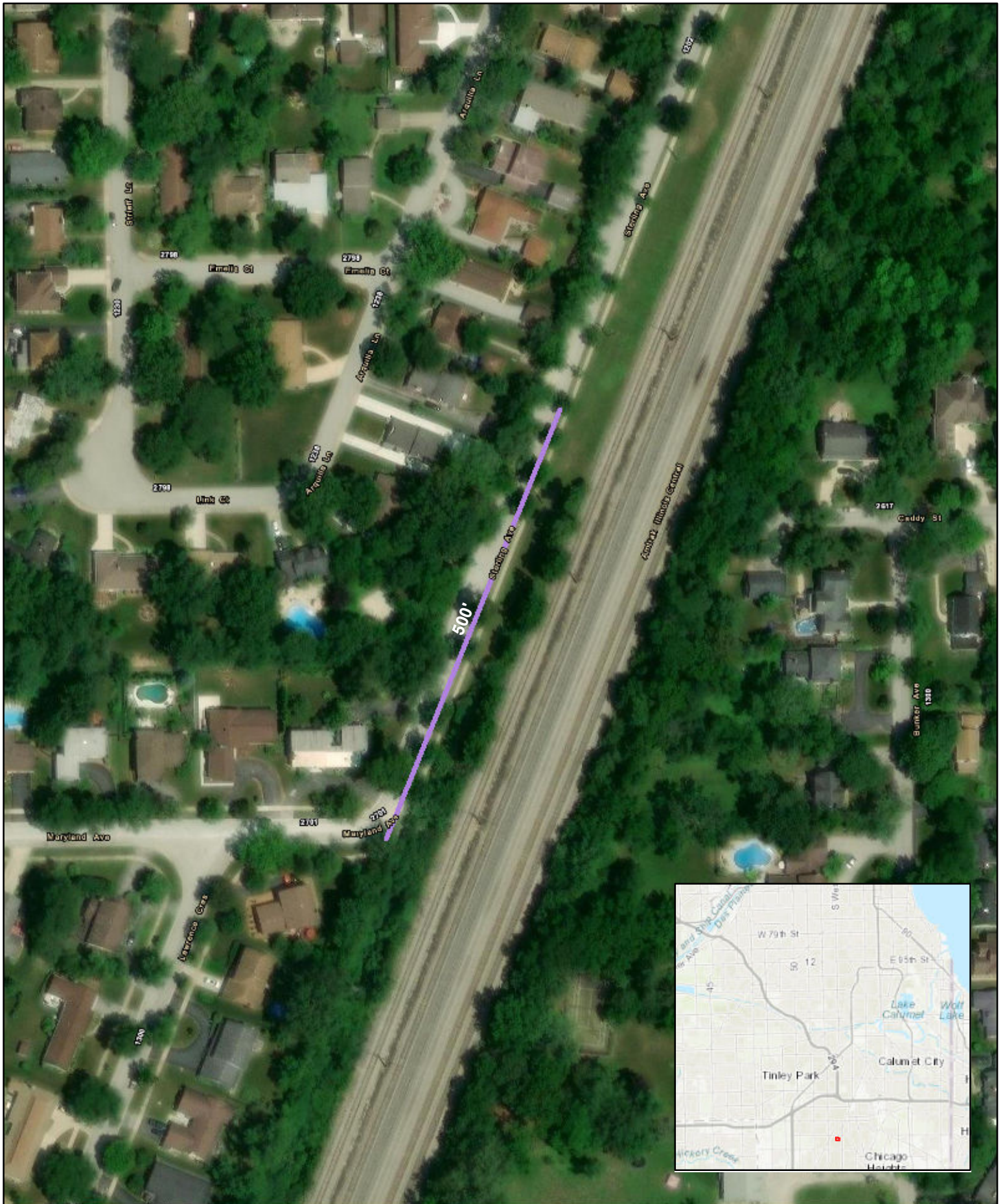
Sincerely,


**BUCARO.DAVID**  
.F.1245178677

Digitally signed by  
BUCARO.DAVID.F.1245178677  
Date: 2024.07.10 15:40:07  
-05'00'

David F. Bucaro, P.E., PMP, WRCP  
Chief, Planning Branch  
Chicago District

Enclosures  
1 – Project Map  
2 – Distribution List







U.S. Army Corps  
Of Engineers®  
Chicago District

Legend

**Storm Sewer**

 72"



0 12.5 25 50 75 100  
Feet

**Village of Flossmoor** For Official Use Only  
Phase 4 July 2024

## Enclosure 2 – Distribution List

### FEDERAL ELECTED OFFICIALS

Senator Tammy Duckworth  
U.S. Senate  
230 S. Dearborn Street  
Suite 3900  
Chicago, IL 60604

Senator Dick Durbin  
U.S. Senate  
230 S. Dearborn St., Suite 3892  
Chicago, IL 60604

Representative Robin Kelly  
U.S. House of Representatives  
9204 S. Commercial Ave  
Suite 415  
Chicago, IL 60617

### STATE ELECTED OFFICIALS

Senator Napoleon Harris, III  
Illinois Senate District 15  
413 Capitol Building  
Springfield, IL 62706

Representative William Davis  
Illinois House of Representatives District 30  
271-S Stratton Office Building  
Springfield, IL 62706

Governor JB Pritzker  
Office of the Governor  
207 State House  
Springfield, IL 62706

### LOCAL ELECTED OFFICIALS

Mayor Michelle Nelson  
Village of Flossmoor  
2800 Flossmoor Road  
Flossmoor, IL 60422

Mr. Brian Driscoll  
Village Trustee  
The Village of Flossmoor  
2800 Flossmoor Road  
Flossmoor, IL 60422

Mr. James Mitros  
Village Trustee  
The Village of Flossmoor  
2800 Flossmoor Road  
Flossmoor, IL 60422

Ms. Joni Bradley-Scott  
Village Trustee  
The Village of Flossmoor  
2800 Flossmoor Road  
Flossmoor, IL 60422

Mr. George Lofton  
Village Trustee  
The Village of Flossmoor  
2800 Flossmoor Road  
Flossmoor, IL 60422

Ms. Monica Gordon  
County Board Commissioner, 5<sup>th</sup> District  
Cook County Board of Commissioners  
118 N Clark Street  
Room 567  
Chicago, IL 60602

### FEDERAL AGENCIES

Mr. Shawn Cirton  
U.S. Fish & Wildlife Service  
Chicago Ecological Services Office  
230 South Dearborn Street, Suite 2938  
Chicago, IL 60604

U.S. Environmental Protection Agency  
Region 5

### STATE AGENCIES

Mr. Cody Eskew  
IDNR Coastal Management Program  
160 N. LaSalle Street, Suite 703  
Chicago, Illinois 60601

Ms. Natalie Phelps Finnie, Director  
Illinois Department of Natural Resources  
One Natural Resource Way  
Springfield, IL 62702-1271

Mr. Bradley Hayes, Interagency Review  
Environmental Planning  
Illinois Department of Natural Resources  
One Natural Resource Way  
Springfield, IL 62702-1271

Ms. C.J. Wallace, Cultural Resources  
Coordinator Illinois State Historic Preservation  
Office Old State Capitol Building, 2<sup>nd</sup> Floor  
One Old State Capitol Plaza  
Springfield, IL 62701



## Enclosure 2 – Distribution List

Mr. James Jennings, Deputy Director  
Illinois Environmental Protection Agency  
1021 North Grand Ave. East  
P.O. Box 19276  
Springfield, IL 62794-9276

Mr. Darren Grove  
Illinois Environmental Protection Agency  
1021 North Grand Ave. East  
P.O. Box 19276  
Springfield, IL 62794-9276

### LOCAL AGENCIES

Ms. Bridget Wachtel  
Village Manager  
The Village of Flossmoor  
2800 Flossmoor Road  
Flossmoor, IL 60422

Mr. John Brunke  
Public Works Director  
The Village of Flossmoor  
1700 Central Park Avenue  
Flossmoor, IL 60422

Mr. Scott Bugner  
Building & Zoning Administrator  
The Village of Flossmoor  
2800 Flossmoor Road  
Flossmoor, IL 60422

Ms. Jamie Paicely  
Library Director  
Flossmoor Public Library  
1000 Sterling Ave  
Flossmoor, IL 60422

### TRIBAL NATIONS

Chairman John Barrett  
Citizen Potawatomi Executive Council  
1601 S. Gordon Cooper Drive  
Shawnee, OK 74801

Mr. Blake Norton  
Citizen Potawatomi Executive Council  
1601 S. Gordon Cooper Drive  
Shawnee, OK 74801

Chairperson James Crawford  
Forest County Potawatomi Executive Council  
P.O. Box 340  
Crandon, WI 54520

Ms. Olivia Nunway  
Forest County Potawatomi Executive Council  
P.O. Box 340  
Crandon, WI 54520

Chairperson Kenneth Meshigaud  
Hannahville Potawatomi Tribal Council  
N 14911 Hannahville Rd.  
Wilson, MI 49896

Chairperson Regina Gasco-Bentley  
Little Traverse Bay Bands of Odawa Indians,  
Michigan  
7500 Odawa Circle  
Harbor Springs, MI 49740

Ms. Melissa Wiatroluk  
Little Traverse Bay Bands of Odawa Indians,  
Michigan  
7500 Odawa Circle  
Harbor Springs, MI 49740

Chairperson Gena Kakkak  
Menominee Indian Tribe of Wisconsin  
P.O. Box 910  
Keshena, WI 54135

Mr. David Grignon  
Menominee Indian Tribe of Wisconsin  
P.O. Box 910  
Keshena, WI 54135

Chief Douglas Lankford  
Miami Tribe of Oklahoma  
P.O. Box 1326  
Miami, OK 74355

Mr. Logan York  
Miami Tribe of Oklahoma  
P.O. Box 1326  
Miami, OK 74355

Chairperson Joseph Rupnick  
Prairie Band Potawatomi Tribal Council  
16281 Q. Road  
Mayetta, KS 66509

Mr. Raphael Wahwassuck  
Prairie Band Potawatomi Tribal Council  
16282 Q. Road  
Mayetta, KS 66509

Ms. Pam Wesley  
Kickapoo Tribe of Oklahoma  
P.O. Box 70  
McLoud, OK 74851

## Enclosure 2 – Distribution List

Chairman Darwin Wesley  
Kickapoo Tribe of Oklahoma  
P.O. Box 70  
McLoud, OK 74851

## Fish and Wildlife Coordination

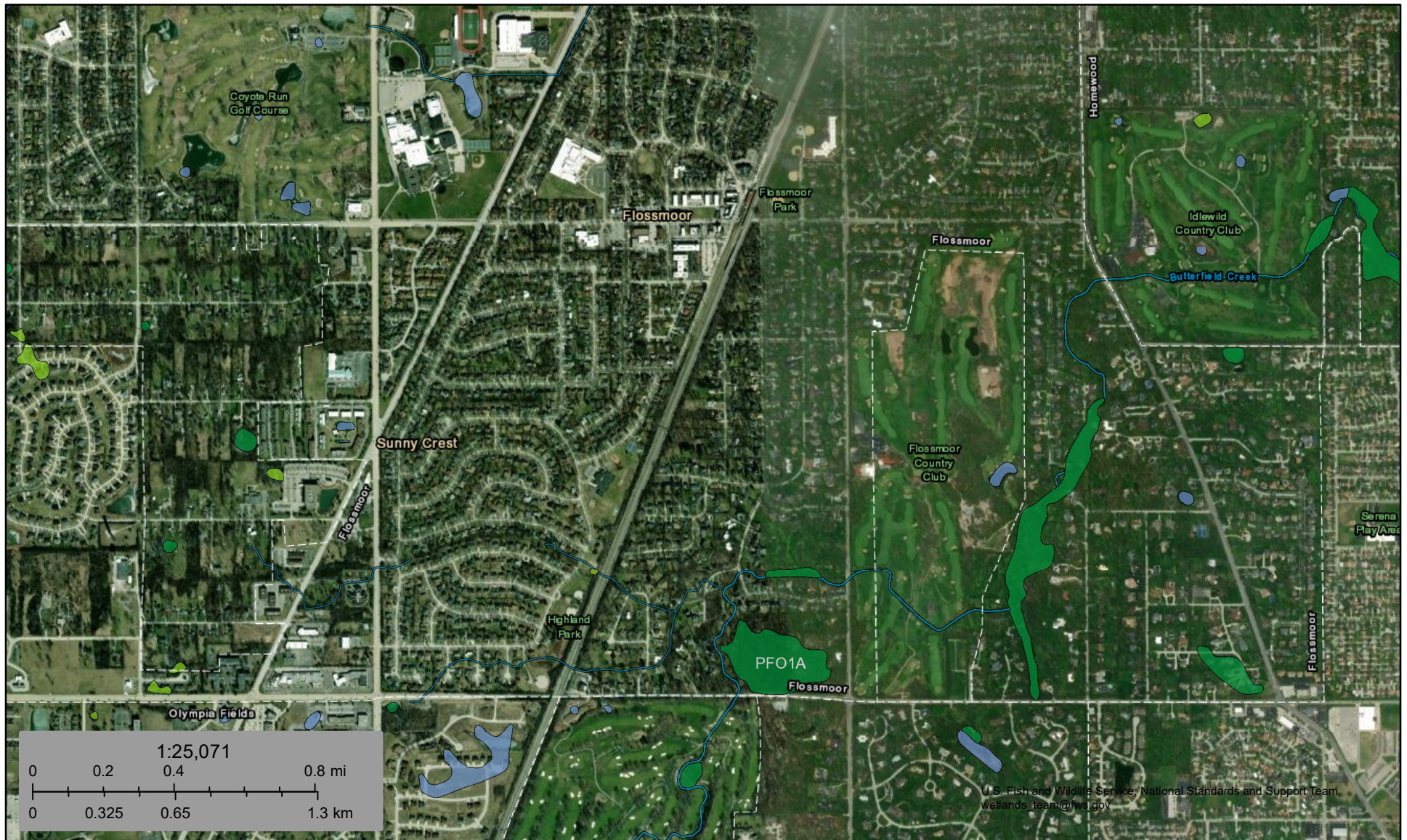




U.S. Fish and Wildlife Service


# National Wetlands Inventory

## Flossmoor - Environmental Infrastructure 2



October 9, 2024

### Wetlands

|   |                                |   |                                   |   |          |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake     |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other    |
|   |                                |  | Freshwater Pond                   |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.





## United States Department of the Interior

### FISH AND WILDLIFE SERVICE

Chicago Ecological Service Field Office

1511 47th Ave

Moline, IL 61265-7022

Phone: (309) 757-5800



In Reply Refer To:

02/06/2025 19:00:15 UTC

Project Code: 2025-0003975

Project Name: Flossmoor, IL - Environmental Infrastructure Project

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.

Additionally, please note that on March 23, 2022, the Service published a proposal to reclassify the northern long-eared bat (NLEB) as endangered under the Endangered Species Act. The U.S. District Court for the District of Columbia has ordered the Service to complete a new final listing

determination for the NLEB by November 2022 (Case 1:15-cv-00477, March 1, 2021). The bat, currently listed as threatened, faces extinction due to the range-wide impacts of white-nose syndrome (WNS), a deadly fungal disease affecting cave-dwelling bats across the continent. The proposed reclassification, if finalized, would remove the current 4(d) rule for the NLEB, as these rules may be applied only to threatened species. Depending on the type of effects a project has on NLEB, the change in the species' status may trigger the need to re-initiate consultation for any actions that are not completed and for which the Federal action agency retains discretion once the new listing determination becomes effective (anticipated to occur by December 30, 2022). If your project may result in incidental take of NLEB after the new listing goes into effect this will first need to be addressed in an updated consultation that includes an Incidental Take Statement. If your project may require re-initiation of consultation, please contact our office for additional guidance.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

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

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

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

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and

their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

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

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

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:

**Chicago Ecological Service Field Office**

1511 47th Ave

Moline, IL 61265-7022

(309) 757-5800

## PROJECT SUMMARY

Project Code: 2025-0003975

Project Name: Flossmoor, IL - Environmental Infrastructure Project

Project Type: Wastewater Pipeline - Maintenance / Modification - Below Ground

Project Description: Water infrastructure project - installation of new storm water sewers to increase conveyance and address flooding at the Flossmoor Road viaduct.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@41.53880755,-87.68134212223768,14z>



Counties: Cook County, Illinois

## ENDANGERED SPECIES ACT SPECIES

There is a total of 10 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. Note that 1 of these species should be considered only under certain conditions.

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

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

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

## MAMMALS

| NAME   | STATUS                 |
|--|------------------------|
| Northern Long-eared Bat <i>Myotis septentrionalis</i><br>No critical habitat has been designated for this species.<br>Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a> | Endangered             |
| Tricolored Bat <i>Perimyotis subflavus</i><br>No critical habitat has been designated for this species.<br>Species profile: <a href="https://ecos.fws.gov/ecp/species/10515">https://ecos.fws.gov/ecp/species/10515</a>          | Proposed<br>Endangered |

## BIRDS

| NAME   | STATUS   |
|--|--|
| Rufa Red Knot <i>Calidris canutus rufa</i><br>There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat.<br>Species profile: <a href="https://ecos.fws.gov/ecp/species/1864">https://ecos.fws.gov/ecp/species/1864</a>   | Threatened                                       |
| Whooping Crane <i>Grus americana</i><br>Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY)<br>No critical habitat has been designated for this species.<br>Species profile: <a href="https://ecos.fws.gov/ecp/species/758">https://ecos.fws.gov/ecp/species/758</a> | Experimental<br>Population,<br>Non-<br>Essential |

## REPTILES

| NAME  | STATUS     |
|---|------------|
| Eastern Massasauga (=rattlesnake) <i>Sistrurus catenatus</i><br>No critical habitat has been designated for this species.<br>Species profile: <a href="https://ecos.fws.gov/ecp/species/2202">https://ecos.fws.gov/ecp/species/2202</a> | Threatened |

## INSECTS

| NAME  | STATUS                 |
|---|------------------------|
| Hine's Emerald Dragonfly <i>Somatochlora hineana</i><br>There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat.<br>Species profile: <a href="https://ecos.fws.gov/ecp/species/7877">https://ecos.fws.gov/ecp/species/7877</a> | Endangered             |
| Monarch Butterfly <i>Danaus plexippus</i><br>There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat.<br>Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>         | Proposed<br>Threatened |
| Rusty Patched Bumble Bee <i>Bombus affinis</i><br>There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat.<br>Species profile: <a href="https://ecos.fws.gov/ecp/species/9383">https://ecos.fws.gov/ecp/species/9383</a>    | Endangered             |

## FLOWERING PLANTS

| NAME   | STATUS     |
|--|------------|
| Eastern Prairie Fringed Orchid <i>Platanthera leucophaea</i><br>No critical habitat has been designated for this species.<br>This species only needs to be considered under the following conditions: <ul style="list-style-type: none"><li>Follow the guidance provided at <a href="https://www.fws.gov/midwest/endangered/section7/s7process/plants/epfos7guide.html">https://www.fws.gov/midwest/endangered/section7/s7process/plants/epfos7guide.html</a></li></ul> Species profile: <a href="https://ecos.fws.gov/ecp/species/601">https://ecos.fws.gov/ecp/species/601</a> | Threatened |
| Leafy Prairie-clover <i>Dalea foliosa</i><br>Population:<br>No critical habitat has been designated for this species.<br>Species profile: <a href="https://ecos.fws.gov/ecp/species/5498">https://ecos.fws.gov/ecp/species/5498</a>  | Endangered |

## CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

## IPAC USER CONTACT INFORMATION

Agency: Army Corps of Engineers  
Name: Samantha Belcik  
Address: 231 South LaSalle St.  
Address Line 2: Suite 1500  
City: Chicago  
State: IL  
Zip: 60604  
Email: samantha.d.belcik@usace.army.mil  
Phone: 3128465467





## United States Department of the Interior

### FISH AND WILDLIFE SERVICE

Chicago Ecological Service Field Office

1511 47th Ave

Moline, IL 61265-7022

Phone: (309) 757-5800



In Reply Refer To:

02/06/2025 19:08:29 UTC

Project code: 2025-0003975

Project Name: Flossmoor, IL - Environmental Infrastructure Project

Federal Nexus: yes

Federal Action Agency (if applicable): Army Corps of Engineers

**Subject:** Record of project representative's no effect determination for 'Flossmoor, IL - Environmental Infrastructure Project'

Dear Samantha Belcik:

This letter records your determination using the Information for Planning and Consultation (IPaC) system provided to the U.S. Fish and Wildlife Service (Service) on February 06, 2025, for 'Flossmoor, IL - Environmental Infrastructure Project' (here forward, Project). This project has been assigned Project Code 2025-0003975 and all future correspondence should clearly reference this number. **Please carefully review this letter.**

### Ensuring Accurate Determinations When Using IPaC

The Service developed the IPaC system and associated species' determination keys in accordance with the Endangered Species Act of 1973 (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and based on a standing analysis. 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 IPaC or the **Northern Long-eared Bat and Tricolored Bat Range-wide Determination Key (Dkey)**, invalidates this letter. ***Answers to certain questions in the DKey commit the project proponent to implementation of conservation measures that must be followed for the ESA determination to remain valid.***

### Determination for the Northern Long-Eared Bat and/or Tricolored Bat

Based upon your IPaC submission and a standing analysis, your project has reached the following effect determinations:

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

Tricolored Bat (*Perimyotis subflavus*)Proposed  
Endangered

No effect

Federal agencies must consult with U.S. Fish and Wildlife Service under section 7(a)(2) of the Endangered Species Act (ESA) when an action *may affect* a listed species. Tricolored bat is proposed for listing as endangered under the ESA, but not yet listed. For actions that may affect a proposed species, agencies cannot consult, but they can *confer* under the authority of section 7(a)(4) of the ESA. Such conferences can follow the procedures for a consultation and be adopted as such if and when the proposed species is listed. Should the tricolored bat be listed, agencies must review projects that are not yet complete, or projects with ongoing effects within the tricolored bat range that previously received a NE or NLAA determination from the key to confirm that the determination is still accurate.

To make a no effect determination, the full scope of the proposed project implementation (action) should not have any effects (either positive or negative), to a federally listed species or designated critical habitat. Effects of the action are all consequences to listed species or critical habitat that are caused by the proposed action, including the consequences of other activities that are caused by the proposed action. A consequence is caused by the proposed action if it would not occur but for the proposed action and it is reasonably certain to occur. Effects of the action may occur later in time and may include consequences occurring outside the immediate area involved in the action. (See § 402.17).

Under Section 7 of the ESA, if a federal action agency makes a no effect determination, no consultation with the Service is required (ESA §7). If a proposed Federal action may affect a listed species or designated critical habitat, formal consultation is required except when the Service concurs, in writing, that a proposed action "is not likely to adversely affect" listed species or designated critical habitat [50 CFR §402.02, 50 CFR§402.13].

### Other Species and Critical Habitat that May be Present in the Action Area

The IPaC-assisted determination key for the northern long-eared bat and tricolored bat does not apply to the following ESA-protected species and/or critical habitat that also may occur in your Action area:

- Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened
- Eastern Prairie Fringed Orchid *Platanthera leucophaea* Threatened
- Hine's Emerald Dragonfly *Somatochlora hineana* Endangered
- Leafy Prairie-clover *Dalea foliosa* Endangered
- Monarch Butterfly *Danaus plexippus* Proposed Threatened
- Rufa Red Knot *Calidris canutus rufa* Threatened
- Rusty Patched Bumble Bee *Bombus affinis* Endangered
- Whooping Crane *Grus americana* Experimental Population, Non-Essential

You may coordinate with our Office to determine whether the Action may affect the animal species listed above and, if so, how they may be affected.

**Next Steps**

If there are no updates on listed species, no further consultation/coordination for this project is required with respect to the species covered by this key. However, the Service recommends that project proponents re-evaluate the Project in IPaC if: 1) the scope, timing, duration, or location of the Project changes (includes any project changes or amendments); 2) new information reveals the Project may impact (positively or negatively) federally listed species or designated critical habitat; or 3) a new species is listed, or critical habitat designated. If any of the above conditions occurs, additional coordination with the Service should take place to ensure compliance with the Act.

If you have any questions regarding this letter or need further assistance, please contact the Chicago Ecological Service Field Office and reference Project Code 2025-0003975 associated with this Project.

**Action Description**

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

**1. Name**

Flossmoor, IL - Environmental Infrastructure Project

**2. Description**

The following description was provided for the project 'Flossmoor, IL - Environmental Infrastructure Project':

Water infrastructure project - installation of new storm water sewers to increase conveyance and address flooding at the Flossmoor Road viaduct.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@41.53880755,-87.68134212223768,14z>



## 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. Does the proposed project include, or is it reasonably certain to cause, intentional take of listed bats or any other listed species?

**Note:** Intentional take is defined as take that is the intended result of a project. Intentional take could refer to research, direct species management, surveys, and/or studies that include intentional handling/encountering, harassment, collection, or capturing of any individual of a federally listed threatened, endangered or proposed species?

No

2. Is the action area wholly within Zone 2 of the year-round active area for northern long-eared bat and/or tricolored bat?

**Automatically answered**

No

3. Does the action area intersect Zone 1 of the year-round active area for northern long-eared bat and/or tricolored bat?

**Automatically answered**

No

4. Does any component of the action involve leasing, construction or operation of wind turbines? Answer 'yes' if the activities considered are conducted with the intention of gathering survey information to inform the leasing, construction, or operation of wind turbines.

**Note:** For federal actions, answer 'yes' if the construction or operation of wind power facilities is either (1) part of the federal action or (2) would not occur but for a federal agency action (federal permit, funding, etc.).

No

5. Is the proposed action authorized, permitted, licensed, funded, or being carried out by a Federal agency in whole or in part?

Yes

6. Is the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), or Federal Transit Administration (FTA) funding or authorizing the proposed action, in whole or in part?

No

7. Are you an employee of the federal action agency or have you been officially designated in writing by the agency as its designated non-federal representative for the purposes of Endangered Species Act Section 7 informal consultation per 50 CFR § 402.08?

**Note:** This key may be used for federal actions and for non-federal actions to facilitate section 7 consultation and to help determine whether an incidental take permit may be needed, respectively. This question is for information purposes only.

*Yes*

8. Is the lead federal action agency the Environmental Protection Agency (EPA) or Federal Communications Commission (FCC)? Is the Environmental Protection Agency (EPA) or Federal Communications Commission (FCC) funding or authorizing the proposed action, in whole or in part?

*No*

9. Is the lead federal action agency the Federal Energy Regulatory Commission (FERC)?

*No*

10. [Semantic] Is the action area located within 0.5 miles of a known bat hibernaculum?

**Note:** The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

**Automatically answered**

*No*

11. Does the action area contain any winter roosts or caves (or associated sinkholes, fissures, or other karst features), mines, rocky outcroppings, or tunnels that could provide habitat for hibernating bats?

*No*

12. Will the action cause effects to a bridge?

**Note:** Covered bridges should be considered as bridges in this question.

*No*

13. Will the action result in effects to a culvert or tunnel at any time of year?

*No*

14. Are trees present within 1000 feet of the action area?

**Note:** If there are trees within the action area that are of a sufficient size to be potential roosts for bats answer "Yes". If unsure, additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.

*No*

15. Does the action area intersect the northern long-eared bat species list area?

**Automatically answered**

*Yes*

16. [Semantic] Is the action area located within 0.25 miles of a culvert that is known to be occupied by northern long-eared or tricolored bats?

**Automatically answered**

*No*

17. [Semantic] Is the action area located within 150 feet of a documented northern long-eared bat roost site?

**Note:** The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

**Automatically answered**

*No*

18. Does the action area intersect the tricolored bat species list area?

**Automatically answered**

*Yes*

19. [Semantic] Is the action area located within 0.25 miles of a culvert that is known to be occupied by northern long-eared or tricolored bats?

**Note:** The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

**Automatically answered**

*No*

20. Do you have any documents that you want to include with this submission?

*No*

# PROJECT QUESTIONNAIRE



**IPAC USER CONTACT INFORMATION**

Agency: Army Corps of Engineers  
Name: Samantha Belcik  
Address: 231 South LaSalle St.  
Address Line 2: Suite 1500  
City: Chicago  
State: IL  
Zip: 60604  
Email: samantha.d.belcik@usace.army.mil  
Phone: 3128465467

## IDNR Coordination

*Applicant:* U.S. Army Corps of Engineers - Chicago District - c/o Sam Belcik *IDNR Project Number:* 2504760  
*Contact:* Sam Belcik *Date:* 10/09/2024  
*Address:* 231 S. LaSalle St.  
Suite 1500  
Chicago, IL 60604  
*Project:* Flossmoor, IL - Environmental Infrastructure Project  
*Address:* 1299 - 1203 Maryland Ave, Flossmoor

*Description:* Proposed environmental infrastructure project in the Village of Flossmoor, Cook County, IL. Installation of new 72-inch diameter storm sewer pipe along Sterling Avenue between Maryland Ave and Hawthorne Lane to address flooding at Flossmoor Road viaduct. All work will be conducted within roadway right-of-way.

### Natural Resource Review Results

The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project location.

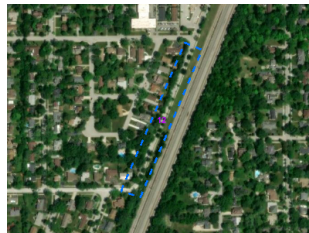
**Consultation is terminated.** This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Termination does not imply IDNR's authorization or endorsement.

#### Location

The applicant is responsible for the accuracy of the location submitted for the project.

*County:* Cook

*Township, Range, Section:*  
35N, 13E, 12



**IL Department of Natural Resources**  
**Contact**  
Alex Davis  
217-785-5500  
Division of Ecosystems & Environment

**Government Jurisdiction**  
U.S. Army Corps of Engineers

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#### **Disclaimer**

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

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1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

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3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

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Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

## **Privacy**

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.

## Tribal Coordination



**DEPARTMENT OF THE ARMY**  
U.S. ARMY CORPS OF ENGINEERS, CHICAGO DISTRICT  
231 SOUTH LASALLE STREET, SUITE 1500  
CHICAGO IL 60604

January 30, 2025

Environmental & Cultural Resources Section  
Planning Branch

SUBJECT: Village of Flossmoor Storm Sewer Improvement Project, Cook County,  
Illinois

The Honorable John Barrett, Chairman  
Citizen Potawatomi Nation, Oklahoma  
1601 South Gordon Cooper Dr.  
Shawnee, OK 74801

Dear Chairman Barrett,

The U.S. Army Corps of Engineers, Chicago District (USACE) proposes to replace storm sewers (undertaking) in the Village of Flossmoor, Cook County, Illinois (Figure 1). The purpose of the project is to replace and upsize outdated and damaged storm sewers on Sterling Avenue, between Maryland Avenue and Hawthorne Lane. To assist in our review, we are requesting your assistance in gathering information you might have to identify properties which may be of religious or cultural significance that may be affected by the project, as specified by the implementing regulations for Section 106 as provided by the National Historic Preservation Act (36 C.F.R. § 800.4(a)(4)). Additionally, USACE would appreciate any comments, concerns, or modifications you might have about any potential environmental or social impacts from this proposed project. We request that you provide your comments by March 2, 2025.

The proposed project involves the removal and replacement of approximately 500 linear feet of 72-inch diameter storm sewer along Sterling Avenue, between Maryland Avenue and Hawthorne Lane (Figure 2). The maximum width of the excavation area would be approximately 10 feet and the maximum depth would be 22.5 feet. All work would be conducted in previously disturbed soil of the public right-of-way.

The undertaking is in Section 12, Township 35 North, Range 13 East in Cook County, Illinois (Figure 3). The APE for the undertaking encompasses the project area, including staging and access routes, and totals approximately 0.5 acres. USACE believes that the APE is sufficient to identify and consider potential effects of the proposed project.

USACE has conducted a records search and literature review of the project APE on the Illinois Inventory of Archaeological Sites and the National Register of Historic Places (NRHP). The literature review and records search revealed that there are no previously identified archaeological sites or historic properties listed in the NRHP within the project

APE. As the project APE is entirely within the existing footprint of Sterling Avenue, this precludes the presence of any unknown intact archaeological deposits.

If you have information, comments, or concerns regarding properties which may be of religious or cultural significance that you believe may be affected by this project, please contact Alexis Jordan, Project Archaeologist at [alexis.m.jordan@usace.army.mil](mailto:alexis.m.jordan@usace.army.mil) or (312) 846-5445. A copy of this letter with enclosures will be furnished to Blake Norton, Tribal Historic Preservation Officer.

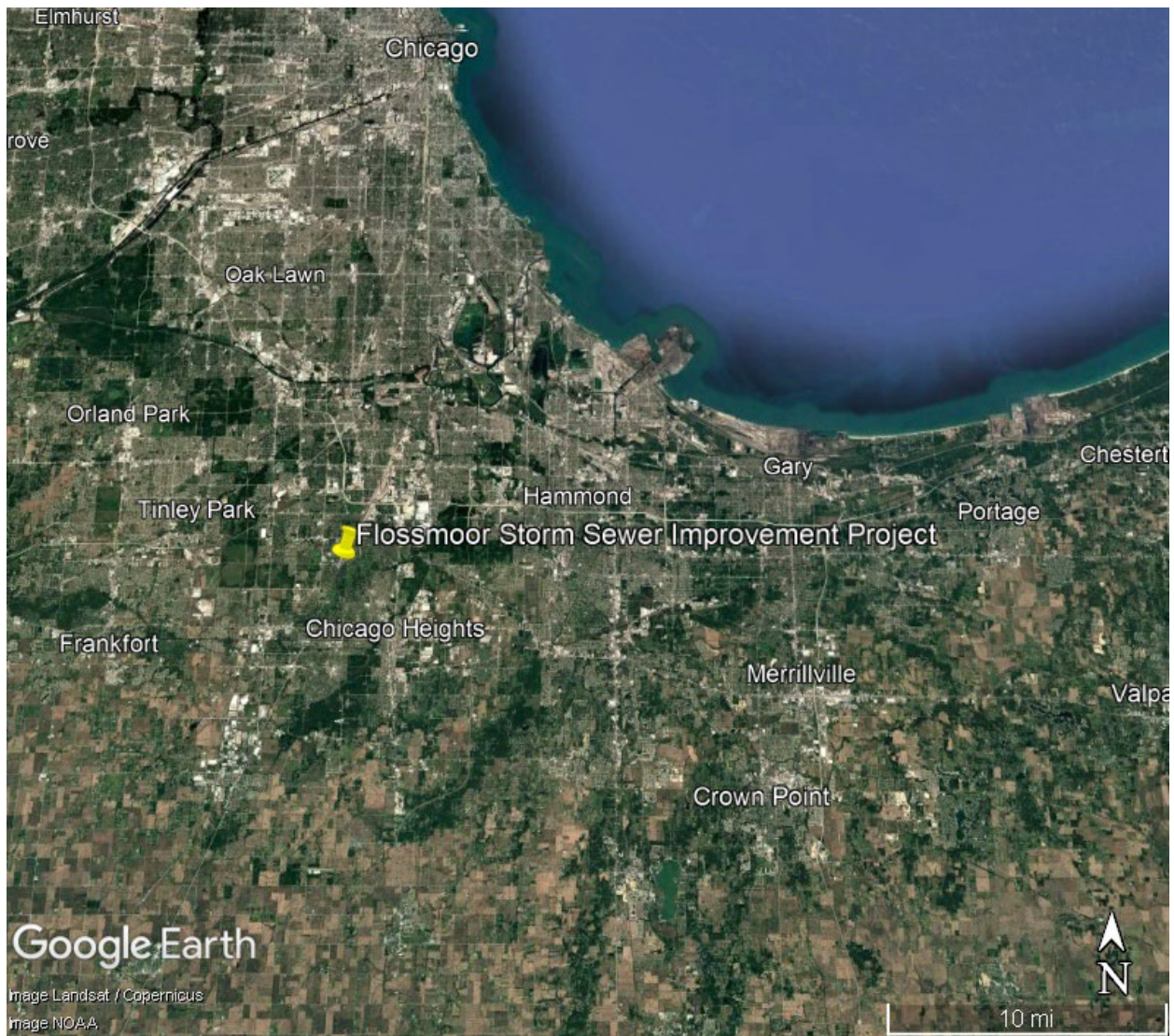
Sincerely,

A handwritten signature in black ink that reads "Alex Hoxsie". The signature is written in a cursive, slightly slanted style.

Alex Hoxsie  
Chief, Environmental & Cultural Resources  
Chicago District

Enclosures

Figure 1: Project Vicinity Map





### Figure 2: Project Location

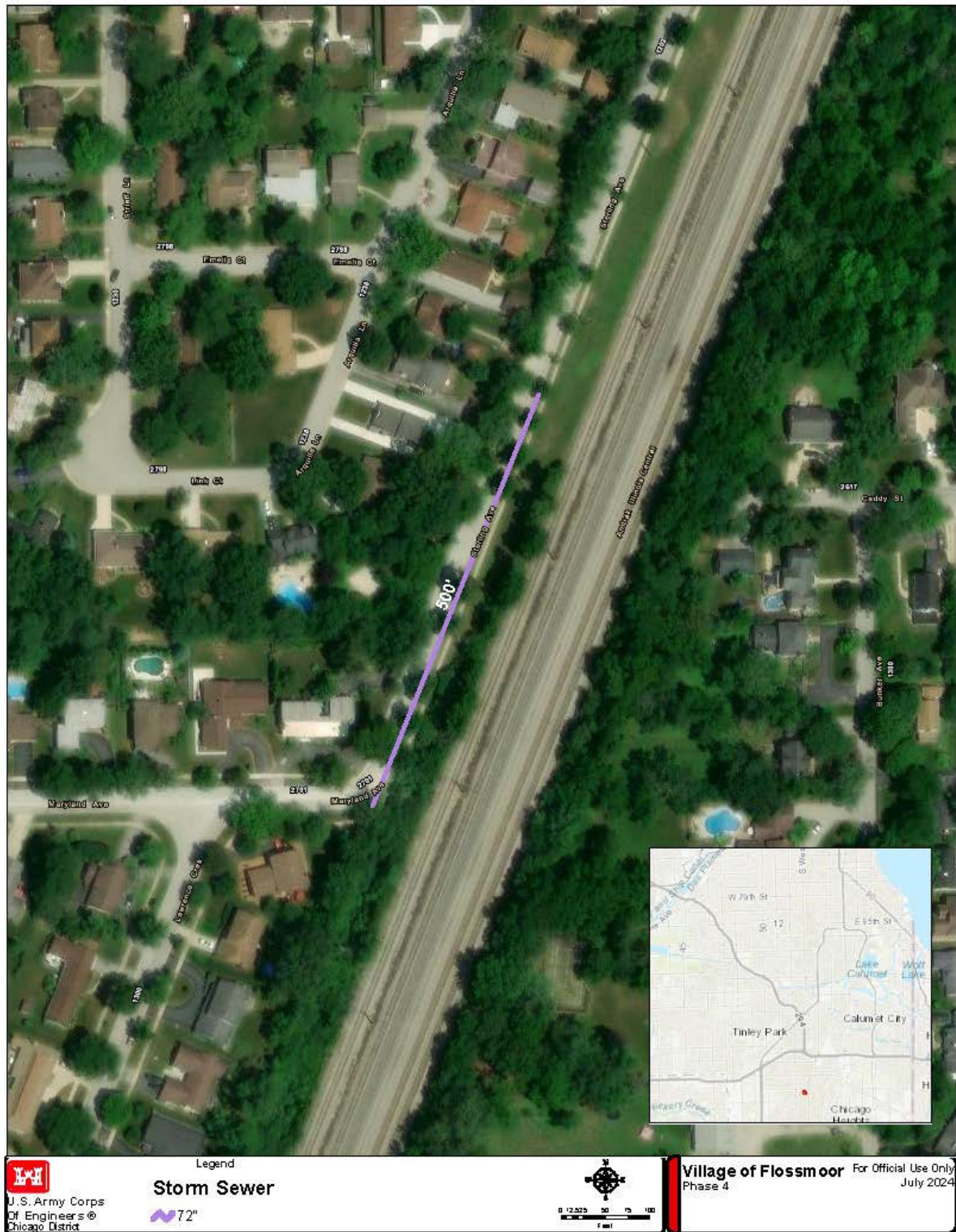
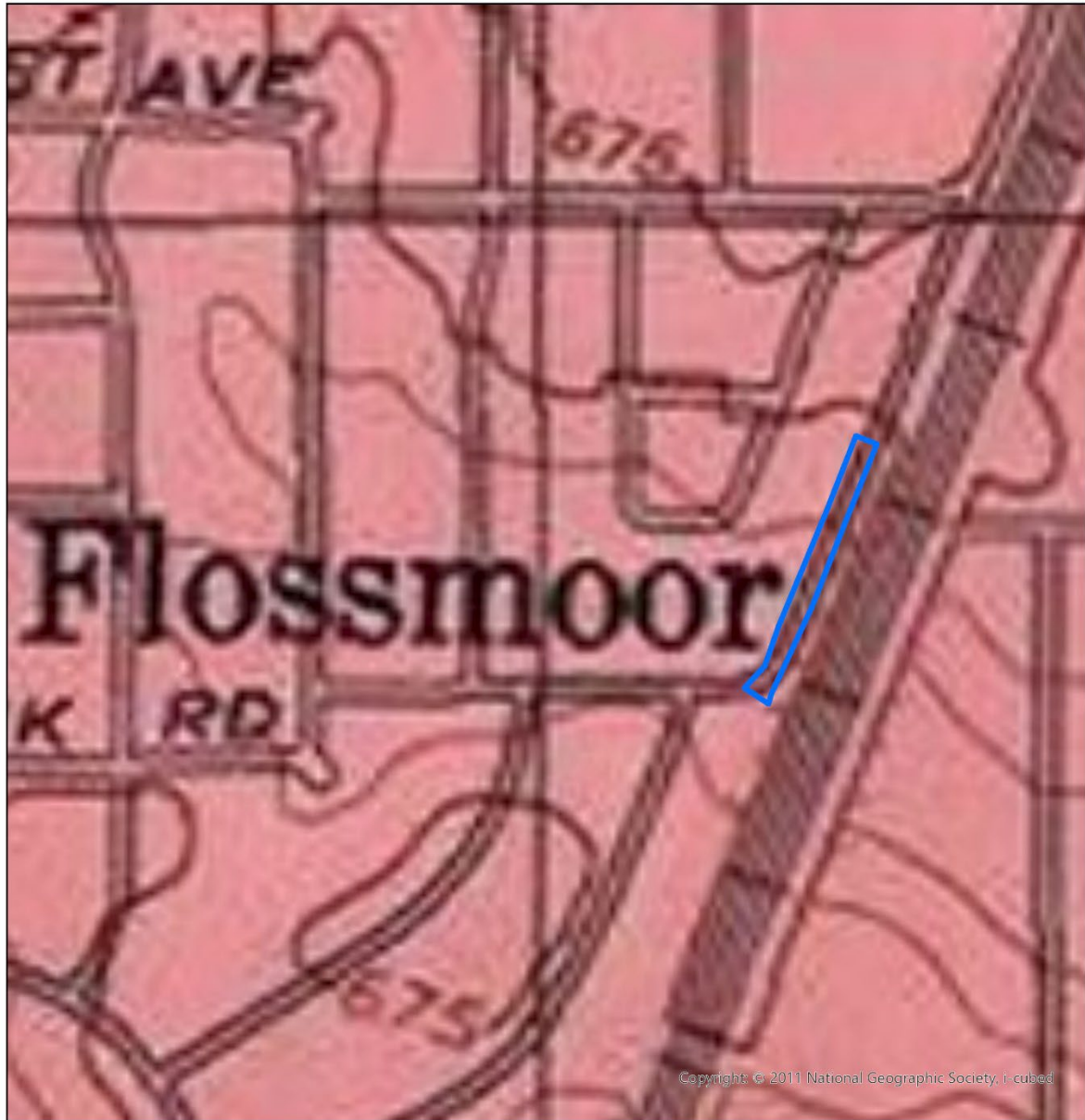
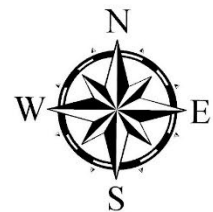


Figure 3: Project APE

Flossmoor  
Storm Sewer Improvement Project



 APE



## SHPO Coordination



**DEPARTMENT OF THE ARMY**  
**U.S. ARMY CORPS OF ENGINEERS, CHICAGO DISTRICT**  
**231 SOUTH LASALLE STREET, SUITE 1500**  
**CHICAGO IL 60604**

January 7, 2025

Environmental & Cultural Resources Section  
Planning Branch

SUBJECT: Village of Flossmoor Storm Sewer Improvement Project, Cook County, Illinois

Ms. Natalie Phelps Finnie  
State Historic Preservation Officer  
Old State Capitol Building  
One Old State Capitol Plaza  
Springfield, IL 62701

Dear Ms. Phelps Finnie:

The U.S. Army Corps of Engineers, Chicago District (USACE) proposes to replace storm sewers (undertaking) in the Village of Park Forest, Cook County, Illinois (Figure 1). The purpose of the project is to replace and upsize outdated and damaged storm sewers on Sterling Avenue, between Maryland Avenue and Hawthorne Lane. As part of our review under Section 106 of the National Historic Preservation Act, USACE has determined that the proposed federal action is an undertaking that has the potential to affect historic properties. This letter provides a brief project description, documents the area of potential effect (APE), summarizes the efforts to identify historic properties, and provides agency findings as provided at 36 C.F.R. § 800.4. We request your agreement with our finding that there will be no historic properties affected by the proposed undertaking.

The proposed project involves the removal and replacement of approximately 500 linear feet of new 72-inch diameter storm sewer along Sterling Avenue, between Maryland Avenue and Hawthorne Lane (Figure 2). The maximum width of the excavation area would be approximately 10 feet and the maximum depth would be 22.5 feet. All work would be conducted in previously disturbed soil of the public rights-of-way.

The undertaking is in Section 12, Township 35 North, Range 13 East in Cook County, Illinois (Figure 3). The APE for the undertaking encompasses the project area, including staging and access routes, and totals approximately 0.5 acres. USACE believes that the APE is sufficient to identify and consider potential effects of the proposed project.

USACE has conducted a records search and literature review of the project APE on the Illinois Inventory of Archaeological Sites and the National Register of Historic Places (NRHP). The literature review and records search revealed that there are no previously



known archaeological sites or historic properties listed in the NRHP within the project APE.

USACE is making a good faith effort to gather information from affected Tribes identified pursuant to 36 C.F.R. § 800.3(f). We have notified the Citizen Potawatomi of Oklahoma, the Forest County Potawatomi Community of Wisconsin, the Hannahville Indian Community of Michigan, the Kickapoo Tribe of Oklahoma, the Little Traverse Bay Bands of Odawa Indians of Michigan, Menominee Indian Tribe of Wisconsin, the Miami Tribe of Oklahoma, and the Prairie Band Potawatomi Nation to assist in identifying properties which may be of religious and cultural significance.

USACE has made a reasonable and good faith effort to identify historic properties that may be affected by this undertaking. As the project APE is entirely within the existing footprint of Sterling Avenue, this precludes the presence of any intact archaeological deposits. For this reason and based on the results of the archival research, USACE has determined that there would be no historic properties affected by the proposed undertaking.

USACE requests your review and agreement with our finding of No Historic Properties Affected within 30 days of receipt of this letter. If you have any questions or desire additional information, please contact the project archaeologist, Ms. Alexis Jordan, at alexis.m.jordan@usace.army.mil or (312) 846-5445.

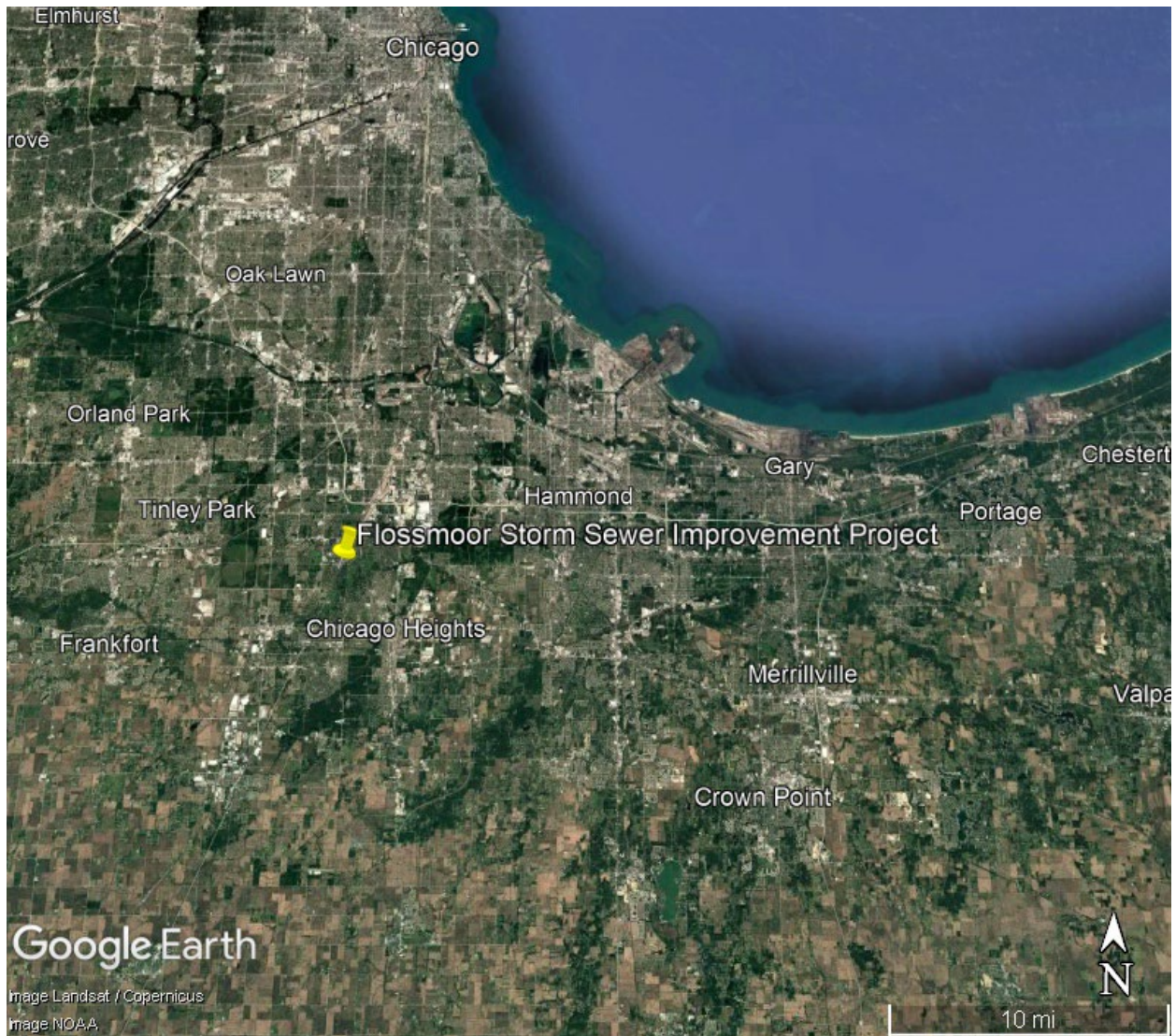
Sincerely,

A handwritten signature in black ink that reads "Alex Hoxsie". The signature is written in a cursive, flowing style.

Alex Hoxsie  
Chief, Environmental & Cultural Resources  
Planning Branch

Enclosures:

Figure 1: Project Vicinity Map





### Figure 2: Project Location

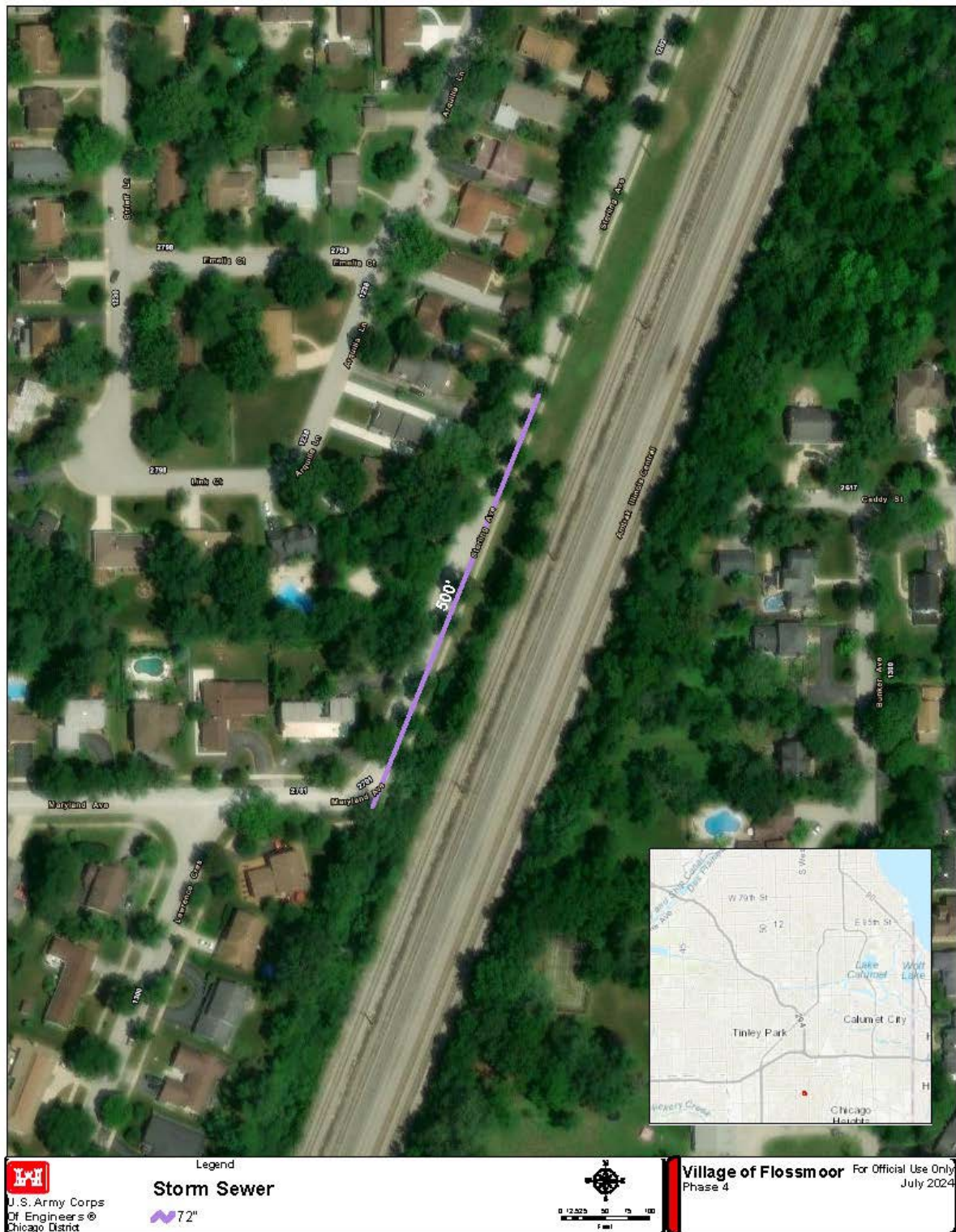
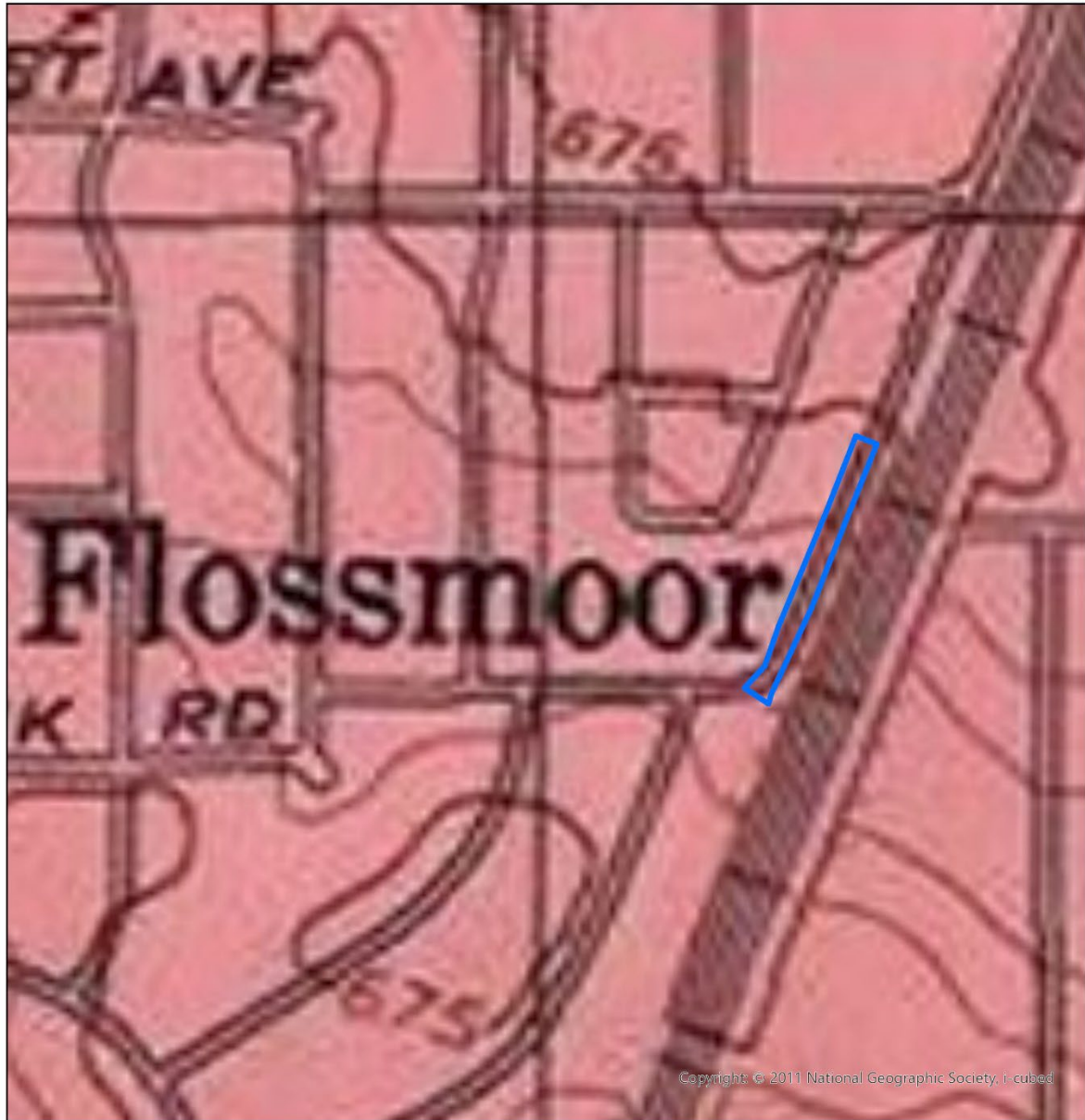


Figure 3: Project APE

Flossmoor  
Storm Sewer Improvement Project



0 0.03 0.07 0.13 0.2 0.26 Miles

 APE

