

**ENVIRONMENTAL ASSESSMENT FOR SECTION 219, WRDA 1992, AS AMENDED, FOR
THE INFRASTRUCTURE PROJECT WATER MAIN AND STORM SEWER
IMPROVEMENTS FOR THE VILLAGE OF HAZEL CREST, COOK COUNTY, ILLINOIS.**

May 2019

U.S. Army Corps of Engineers
Chicago District, Planning Branch
231 South LaSalle Street Suite 1500
Chicago, Illinois 60604

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SECTION 1 PURPOSE AND NEED

PURPOSE

The purpose of this project is three fold: 1) Replacing an existing water main on Maple Lane; 2) Installation of a water main on Central Park Ave. and 3) Lining the sanitary sewer behind Poe Ave. This project is necessary to avoid service interruptions in these three project areas in the Village of Hazel Crest, Illinois.

The proposed improvements include replacing 1400 feet of a six inch diameter water main with an 8 inch water main along Maple Lane from Elm Drive to Linden Drive. Installing an eight inch diameter 600 foot long water main in the 177th Street right-of-way from Central Park Ave. to the east drive of the Mae Jemison School. Rehab 1400 feet of eight to ten inch sanitary sewer by relining within the rear yard utility easement of the homes between Poe Ave. and Kedzie Ave. between Lexington Ave. and 173rd St.

NEED FOR ACTION

The existing infrastructure is approaching the end of its usable lifespan.

AUTHORITY

The study was authorized under Section 219 of the Water Resources Development Act of 1992, as amended by Section 504 of the Water Resources Development Act of 1996, Section 502 of the Water Resources Development Act of 1999, Section 108 of the Consolidated Appropriations Act of 2001, Section 145 of the Energy and Water Appropriations Act of 2004, and Sections 5075 and 5158 of the Water Resources Development Act of 2007, this amended authority allows the Army Corps of Engineers to provide planning, design and construction assistance for water-related environmental infrastructure projects.

LOCAL SPONSOR

The project's non-federal sponsor is the Village of Hazel Crest.

SECTION 2 ALTERNATIVES, INCLUDING THE RECOMMENDED PLAN

There were 3 alternatives considered to address the infrastructure issues in Hazel Crest, Illinois.

- 1. No Action Plan-**Under this alternative, no changes would be made to upgrade the two water main projects or the sanitary sewer pipe lining. The existing system would continue to be degraded and service disruptions would result.
- 2. Partial Improvements Plan-** Either one water main would be replaced and the other water main would be constructed or the sanitary sewer will be relined in this alternative. Action on the unimplemented infrastructure will be deferred.
- 3. All Improvements Plan-** The two water mains will be replaced/constructed and the sanitary sewer infrastructure will be relined as part of this alternative. Plans to remedy both systems will be implemented, dependent on funding availability.

RECOMMENDED PLAN

All Improvements Plan- The two water mains will be replaced/constructed and the sanitary sewer infrastructure will be relined. This plan is recommended and will be implemented dependent on funding availability.

Work is scheduled to begin in 2019 with completion anticipated in approximately 12 months.

COMPLIANCE WITH ENVIRONMENTAL PROTECTION STATUTES, EXECUTIVE ORDERS AND REGULATIONS

The proposed action is in full compliance with appropriate statutes, executive orders and regulations, including the National Historic Preservation Act of 1966, as amended, Fish and Wildlife Coordination Act, as amended, Endangered Species Act of 1973, as amended, Section 10 of Rivers and Harbors Act of 1899, Clean Air Act of 1963, as amended, National Environmental Policy Act of 1969, as amended and the Clean Water Act of 1972, as amended along with Executive Order 12898 (Environmental Justice), Executive Order 11990 (Protection of Wetlands) and Executive Order 11988 (Floodplain Management).

SECTION 3 AFFECTED ENVIRONMENT

PROJECT AREA

The project area is within the Village of Hazel Crest, Cook County, Illinois. The proposed improvements would take place in three discrete areas. The first area is the 177th Street right-of-way from Central Park Ave up to approximately Mae Jemison School. The second is along Maple Lane from Elm Drive to Linden Drive. The last is behind Poe Ave from 173rd to 175th Street.

AIR AND WATER QUALITY

Air and water quality in the project area are typical of what would be expected in a densely populated urban area. Air quality is categorized as moderate to good. The air quality in this area is primarily due to the large number of cars and trucks driven on the extensive road system in this northern Illinois metropolitan area. Ground water quality within the project area does not meet applicable water quality standards because of historical impacts.

AQUATIC COMMUNITIES

There are no aquatic communities present in the proposed project location. Prairie Creek and an unnamed tributary to the Little Calumet River are located nearby the project area but outside the scope of any of the proposed project activities.

TERRESTRIAL COMMUNITIES

Hazel Crest provides suitable habitat for common “urban” wildlife species, including fox and gray squirrel, opossum, cottontail rabbit, striped skunk, mice, red fox, bats, and eastern moles. Typical resident birds include English sparrow, starling, robin, herring gull, Canada geese, mallard, pigeon, cardinal, chickadee, red winged blackbird, purple martin, grackle, and blue jay.

Vegetation within the Hazel Crest project area contains mowed grass lawns, shrubs, and a variety of tree species include maple, green ash, mulberry, box elder, honey locust, crabapple, and cottonwood.

The proposed construction zone contains no particularly valuable wildlife habitat.

NATURAL AREAS

Hazel Crest is largely urbanized and does not support any significant natural areas.

THREATENED AND ENDANGERED SPECIES

The project area is primarily residential. It is within the range of the federally endangered Indiana Bat (*Myotis sodalis*), the threatened northern long-eared bat (*Myotis septentrionalis*), rusty patched bumblebee (*Bombus affinis*), piping plover (*Charadrius melodus*), rufa red knot (*Calidris canutus rufa*), the Karner blue butterfly (*Lycaeides Melissa samuelis*), the threatened Pitcher's thistle (*Cirsium pitcheri*), and Mead's milkweed (*Asclepias meadii*). However, the project area contains no habitat likely to be used by any of these threatened or endangered species. The Illinois Department of Natural Resources provided a letter finding no objection to the project dated 24-December-2018.

ARCHEOLOGICAL AND HISTORIC PROPERTIES

The Village of Hazel Crest has no properties listed on the National Register of Historic Places. The proposed project is within the municipal right-of-way and utility easements. The surrounding area has been disturbed by filling, grading, and utility construction. It contains no intact archaeological material. The Illinois State Historic Preservation Office found no historic properties would be affected in letters dated December 31 2018 and February 8, 2019. Likewise, the Miami Tribe of Oklahoma had no objection to the project in letters dated January 14, 2019 and February 14, 2019.

LAND USE HISTORY

Hazel Crest was first settled in 1870 as a farming community known as South Harvey. The village was incorporated in 1912. Prior land uses in the village were primarily agricultural.

SOCIAL SETTING

The village is home to just under 14,100 people according to the 2010 census. Median household income is \$50,576 (2010). Median home value is \$103,200 (2010).

RECREATION

The Hazel Crest Park District owns over 13 parks totaling over 120 acres. The parks provide opportunities for outdoor recreation, sports, and fishing.

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE (HTRW) INVESTIGATION

A HTRW Phase I Environmental Site Assessment (ESA) has been conducted for a portion of the project area and surrounding vicinity of Hazel Crest, Cook County IL. For the project areas along Maple Street and 177th Street a Phase I investigation was conducted. The investigation was performed in accordance with ASTM Standard Practice E1527-13 to identify recognized environmental conditions (RECs) that may exist, or have historically existed, within the project area. A number of impacted properties were discovered in the vicinity of the project area, however, no potentially impacted properties were found in the project area.

For the work behind Poe Ave, it was determined that a full Phase I ESA was not required for this project location, due to the following three reasons: 1) the abbreviated time period prior to design, 2) the Phase I Environmental Site Assessments (ESAs) that were performed for the Maple Lane location and for the

177th Street location provide some overlap of this location due to their proximity and, 3) the proposed project for this location is a pipe lining project and would require minimum excavation.

The USEPA Enviromapper website and the Illinois EPA Bureau of Land Data Center website were consulted to identify potential recognized environmental concerns (RECs) near the project location along Poe Ave. Several sites were identified near the project location. However, it appears that the potential RECs that were identified either have resolved status or have no current identified violations, and therefore should present minimal risk to the project.

SECTION 4 ENVIRONMENTAL CONSEQUENCES

IMPACTS OF NO ACTION PLAN

The “no action” plan would not result in any additional impacts but the water supply system and sanitary sewer infrastructure would continue to degrade, resulting in potential service disruptions.

IMPACTS OF THE PROPOSED PLAN

SECTION 122, PUBLIC LAW 91-611

Section 122 of Public Law 91-611 identified **17 potential areas** of impact (highlighted in **bold**) that are required to be considered as part of an impact analysis of proposed projects. The proposed plan would not adversely affect **life, health, safety, long term productivity, energy requirements, energy conservation, community cohesion, desirable community growth, tax revenues, property values, public services, or desirable regional growth**. No **farms, people, industry or businesses** would be displaced. Impacts of the remaining 17 potential areas follow:

Social Impacts

Project impacts on **natural resources, made resources, and employment** would be short term temporary impacts. Employment could increase slightly during construction, and the region's labor force should be sufficient to provide the necessary workers. There would be no significant adverse effect to **public facilities**. During construction, increased traffic congestion would be localized and intermittent. The construction period is anticipated to be less than 12 months. Minor delays may occur to public bus transportation. Minor delays may also occur near Mae Jemison School and near Advocate South Suburban Hospital. Any aesthetic degradation would be temporary. The project would have no significant adverse impact on human health or welfare or to municipal or private water supplies. Increased conveyance of the storm water and sanitary sewerage to the treatment facilities will also significantly reduce sewage backups and basement flooding in residential areas

Air Quality Impacts

The proposed action would cause temporary increases in exhaust emissions from machinery and equipment during construction. These impacts would be minimal because of emission and dust controls required by the U.S. Army Corps of Engineers, U.S. Environmental Protection Agency, and local restrictions. The Corps of Engineers specifications (CW-04130 Construction Specifications for Environmental Protection, July 1978) are included in construction contracts to provide protection for the local environment. Regarding the Clean Air Act, construction and operation of the project would not result in significant or long-term adverse impacts to air quality. The project would involve only a de minimis discharge of airborne pollutants, and is therefore in compliance with the Clean Air Act.

Noise Impacts

The proposed action would cause temporary increases in noise from machinery and equipment during construction. These impacts would be temporary and would not result in significant or long-term adverse impacts.

Water Quality Impacts

The project would have a beneficial long-term impact on the quality of water in the community.

Section 10 of the Rivers and Harbors Act of 1899 - does not apply since there is no construction or placement of fill within navigable waters. Section 401 water quality certification - The project would not involve any new discharge to the waters of the United States, therefore Section 401 water quality certification is not required and no Section 404(b)(1) evaluation has not been prepared pursuant to the Clean Water Act. The project would comply with all applicable water quality standards.

EXECUTIVE ORDER 11988

Executive Order 11988 (Floodplain Management) - The project would not promote development in the floodplain.

LAKE MICHIGAN COASTAL PROGRAM

This project is not located within the boundaries of the Lake Michigan Coastal Program (LMCP).

ENVIRONMENTAL JUSTICE

Executive Order 12898 (Environmental Justice) - An investigation of the Environmental Protection Agency website (December 26, 2018) indicates that although minority and low-income populations are near the project area, this project would not have an adverse effect on any low-income populations or minority populations in the project area.

AQUATIC IMPACTS

Fish and Wildlife Coordination Act - The project would not have a negative impact on aquatic wildlife or habitat. The U. S. Fish and Wildlife Service has been sent a letter regarding this project.

EXECUTIVE ORDER 11990

Executive Order 11990 (Protection of Wetlands) - The project would have no impact on wetlands.

TERRESTRIAL IMPACTS

The project would not have an adverse impact on any valuable wildlife or habitat.

THREATENED AND ENDANGERED SPECIES IMPACTS

Illinois Endangered Species -The project would not affect state-listed threatened or endangered species, or habitat likely to be used by such species. The Illinois Department of Natural Resources provided a letter finding no objection to the project dated December 24, 2018.

Endangered Species Act of 1973 -The project would not affect Federal-listed, threatened, or endangered species, or habitat likely to be used by such species. The U. S. Fish and Wildlife Service has been sent a letter detailing this project.

ARCHAEOLOGICAL AND HISTORIC IMPACTS

National Historic Preservation Act of 1966, as amended – The Village of Hazel Crest has no properties listed on the National Register of Historic Places. The proposed project is within the highway right-of-way and utility easements. The surrounding area has been disturbed by filling, grading, and utility construction. It contains no intact archaeological material. The Illinois State Historic Preservation Office found no historic properties would be affected in letters dated December 31 2018 and February 8 2019. Likewise, the Miami Tribe of Oklahoma had no objection to the project in letters dated January 14 2019 and February 14 2019.

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE (HTRW) INVESTIGATION

In accordance with ER 1165-2-132 Hazardous, Toxic, and Radioactive Waste for USACE Civil Works projects, construction of civil works projects in HTRW contaminated areas should be avoided where practicable. If HTRW contaminated areas or impacts cannot be avoided during construction, response actions including excess soil management and/or disposal, and treatment, discharge, and/or disposal of groundwater must be coordinated with the Illinois EPA. All HTRW response actions are 100% non-Federal project sponsor expense. Due to the nature of the work activities, the risk of encountering HTRW is low. However, if during construction, contamination is encountered the appropriate entities would be contacted and the project would comply with whatever requirements are needed.

CUMULATIVE EFFECTS

ASSESSMENT OF CUMULATIVE EFFECTS

Consideration of cumulative effects requires a broader perspective than examining just the direct and indirect effects of a proposed action. It requires that reasonably foreseeable future impacts be assessed in the context of the past and present effects to important resources. Often it requires consideration of a larger geographic area than just the immediate “project” area. One of the most important aspects of cumulative effects assessment is that it requires consideration of how actions by others (including those actions completely unrelated to the proposed action) have and would affect the same resources. When assessing cumulative effects, the key determinate of importance or significance is whether the incremental effects of the proposed action would alter the sustainability of resources when added to other present and reasonably foreseeable future actions.

Cumulative environmental effects for the proposed infrastructure project were assessed in accordance with guidance provided by the President’s Council on Environmental Quality (USEPA, EPA 315-R-99-002, May 1999). This guidance provides an eleven-step process for identifying and evaluating cumulative effects in NEPA analysis.

The overall cumulative impact of the project is considered to be beneficial environmentally, socially, and economically.

Cumulative Effects Scoping

The cumulative effects issues and assessment goals are established in this environmental assessment, the spatial and temporal boundaries are determined, and reasonably foreseeable future actions are identified. Cumulative effects are assessed to determine if the sustainability of any of the resources are adversely

affected with the goal of determining the incremental impact to key resources that would occur should the proposal be permitted. The spatial boundary for the assessment encompasses the parkland and the associated facilities and surrounding streets served by the infrastructures to be improved. The temporal boundaries are:

1. Past-1834, when settlement and development of the area began.
2. Present-2019, when the selection plan was being developed.
3. Future-2069, the year used for determining project life end

Projecting reasonably foreseeable future actions is difficult at best. Clearly, the proposed action is reasonably foreseeable, however, the actions by others that may affect the same resources are not as clear. Projections of those actions must rely on judgment as to what are reasonable based on existing trends and where available, projections from qualified sources. Reasonably foreseeable does not include unfounded or speculative projections. In this case, reasonably foreseeable future actions include:

1. Increased growth in water consumption.
2. Continued application of environmental requirements such as the Clean Water Act.

Cumulative Effects on geology and soils

The topography and soils of the area has been affected by filling, excavations, construction, and the burial of utilities. The proposed project would not alter soil chemistry.

Cumulative Effects on Water Quality and Aquatic Communities

The project would have no adverse effects on water quality or aquatic communities.

Cumulative Effect of Terrestrial Resources

Relatively small modifications for this project would have no long-term adverse or cumulative effects to terrestrial resources, plants or animals.

Cumulative Effects on Air Quality

The project would have no long term cumulative effect on Air Quality.

Cumulative Effects on Land Use

The project would have no cumulative effect on land use.

Cumulative Effects on Aesthetic Values

The project would have no long term cumulative adverse effects on the visual setting of the project area.

Cumulative effects on Public Facilities

The project would have no long-term adverse effects on public facilities.

Cumulative effects on Cultural Resources

This project would have no adverse effects on cultural resources.

Cumulative Effects Summary

Along with direct and indirect effects, cumulative effects of the proposed project were assessed following the guidance provided by the Presidents' Council on Environmental Quality (Table 1). There have been numerous effects to resources from past and present actions, and reasonably foreseeable future actions can also be expected to produce both beneficial and adverse effects. The effects of the proposed project are relatively minor.

Table 1 – Environmental Impact Summary

Potential Impact Area	Past Actions	Proposed Direct Impacts		Cumulative Impact
		Construction	Operation	
Geology & Soils	adverse	no impact	no impact	no impact
Hydrology	adverse	no impact	no impact	no impact
Water Quality	major adverse	no impact	no impact	no impact
Sediment Quality	major adverse	no impact	no impact	no impact
Aquatic Resources	major adverse	no impact	no impact	no impact
Terrestrial Resources	adverse	Minor temporary negative impact	no impact	no impact
Air Quality	no impact	Minor temporary negative impact	no impact	no impact
Land Use	adverse	no impact	no impact	no impact
Aesthetics	no impact	Minor temporary	no impact	no impact
Archaeology/Historic	no impact	no impact	no impact	no impact

SECTION 5 COORDINATION

During preparation of this environmental assessment numerous Federal and state agencies and others were consulted including the U. S. Fish and Wildlife Service (USFWS), U. S. Environmental Protection Agency (USEPA), Illinois Department of Natural Resources (IDNR), Illinois Environmental Protection Agency (ILEPA), and the Illinois State Historic Preservation Office (SHPO). Copies of the respondents' letters are attached in the Correspondence Section of this assessment.

As part of the NEPA review process, the Chicago District would appreciate any comments or concerns you might have about potential impacts from this proposed project. This could include impacts to wetlands, riverine habitat, rare and unique habitats, threatened and endangered species, or cultural and social resources.

Comments must be received by June 24th, 2019 and should be sent to Mr. Jason Zylka, U.S. Army Corps of Engineers, 231 South La Salle Street, Suite 1500, Chicago, Illinois 60604, or by email at jason.zylka@usace.army.mil. Questions should be directed to Mr. Zylka at (312) 846-5311.

The following agencies, groups, and individuals received a copy of this environmental assessment:

Kickapoo Tribe of Oklahoma
P.O. Box 70
McCloud, OK 74851

Miami Nation in Indiana
P.O. Box 41
Peru, IN 46970

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

Nottawaseppi Huron Potawatomi Tribal Office
2224 One-and-a-half Mile Road
Fulton, MI 49052

Pokagon Band of Potawatomi Indians
P.O. Box 180
Dowagiac, MI 49047

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

Mr. David Joe Barrett
Citizen Potawatomi Executive Council
1901 S. Gordon Cooper Drive
Shawnee, OK 74801

Mr. Bobb A. Beauchamp
Federal Aviation Administration
Chicago Airports District Office, CHI-ADO-600
2300 E. Devon Avenue
Des Plaines, IL 60018

Mr. Scott Beckerman
U.S. Department of Agriculture
APHIS Wildlife Services
3430 Constitution Drive, Suite 121
Springfield, IL 62711

Mr. Steve Byers
Illinois Nature Preserves Commission
Lost Valley Nature Center
7210 Keystone Road
Richmond, IL 60071

Mr. James Casey
Illinois Department of Natural Resources
Lake Michigan Management Section
160 N. LaSalle Street, Suite S-700
Chicago, IL 60601

Ms. Louise Clemency
U.S. Fish & Wildlife Service
Chicago Ecological Services Office
230 South Dearborn Street, Suite 2938
Chicago, IL 60604

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

Senator Tammy Duckworth
U.S. Senate
524 Hart Senate Office Building
Washington, DC 20510

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

Senator Dick Durbin
U.S. Senate
711 Hart Senate Office Building
Washington, DC 20510

Mr. Estavio Elizondo
Kickapoo Tribe of Texas
2212 Rosita Valley Road
Eagle Pass, TX 78852

Ms. Diane Hunter
Miami Tribe of Oklahoma
P.O. Box 1326
Miami, OK 74355

Mr. Al Keller
Illinois Environmental Protection Agency
1021 N. Grand Ave East
P.O. Box 19276
Springfield, IL 62794

Representative Robin Kelly
U.S. House of Representatives
1000 E. 111th Street
Chicago, IL 60628

Representative Robin Kelly
U.S. House of Representatives
1239 Longworth House Office Building
Washington, DC 20515

Mr. Jeff Krutchen
Illinois Department of Natural Resources, State
Historic Preservation Office
1 Old State Capitol Plaza
Springfield, IL 62701

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

Mr. William Quackenbush
Ho-Chunk Department of Heritage Preservation
P.O. Box 667
Black River Falls, WI 54615

Chairman Lester Randall
Kickapoo of Kansas
1107 Goldfinch Road
Horton, KS 66439

Governor J.B. Pritzker
Office of the Governor
207 State House
Springfield, IL 62706

Mr. Adam Rawe
Illinois Department of Natural Resources
Division of Ecosystems and Environment
1 Natural Resource Way
Springfield, IL 62702

Director Wayne Rosenthal
Illinois Department of Natural Resources
1 Natural Resource Way
Springfield, IL 62702

Mr. Keith Shank
Illinois Department of Natural Resources
1 Natural Resource Way
Springfield, IL 62702

Mr. Kenneth Westlake
U.S. Environmental Protection Agency
Region 5
77 W. Jackson Blvd. (E-19J)
Chicago, IL 60604

Mr. Loren Wobig
Illinois Department of Natural Resources
Office of Water Resources
1 Natural Resources Way
Springfield, IL 62702

CORRESPONDENCE



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

Bruce Rauner, Governor

Wayne A. Rosenthal, Director

December 24, 2018

Mr. Jason Zylka
Chicago District USACE
111 N. Canal

Chicago, IL 60606

RE: Village of Hazel Crest Water Main Replacement
Project Number(s): 1906130
County: Cook

Dear Applicant:

The Illinois Department of Natural Resources has reviewed the above-mentioned project as part of the NEPA scoping process and has no objections to this project described.

Please note that this review does not preclude permit decisions made by the IDNR Office of Water Resources under the Illinois Rivers, Lakes, and Streams Act.

Please contact me if you have any questions regarding this review.

A handwritten signature in cursive script that reads "Bradley Hayes".

Bradley Hayes
Impact Assessment Section
217-782-0031



Miami Tribe of Oklahoma

3410 P St. NW, Miami, OK 74354 • P.O. Box 1326, Miami, OK 74355
Ph: (918) 541-1300 • Fax: (918) 542-7260
www.miamination.com



January 14, 2019

Mr. Jason Zylka
U.S. Army Corps of Engineers
231 South LaSalle Street, Suite 1500
Chicago, IL 60604

Re: Environmental Infrastructure Improvement Projects, Village of Hazel Crest, Illinois –
Comments of the Miami Tribe of Oklahoma

Dear Mr. Zylka:

Aya, kikwehsitoole – I show you respect. My name is Diane Hunter, and I am the Tribal Historic Preservation Officer for the Federally Recognized Miami Tribe of Oklahoma. In this capacity, I am the Miami Tribe's point of contact for all Section 106 issues.

The Miami Tribe offers no objection to the above-mentioned projects at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project sites. However, as these sites are within the aboriginal homelands of the Miami Tribe, if any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of these projects, the Miami Tribe requests immediate consultation with the entity of jurisdiction for the location of discovery. In such a case, please contact me at 918-541-8966 or by email at dhunter@miamination.com to initiate consultation.

The Miami Tribe accepts the invitation to serve as a consulting party to the proposed projects. In my capacity as Tribal Historic Preservation Officer I am the point of contact for consultation.

Respectfully,

Diane Hunter
Tribal Historic Preservation Officer



Miami Tribe of Oklahoma

3410 P St. NW, Miami, OK 74354 • P.O. Box 1326, Miami, OK 74355
Ph: (918) 541-1300 • Fax: (918) 542-7260
www.miamination.com



February 14, 2019

Mr. Jason Zylka
U.S. Army Corps of Engineers
231 South LaSalle Street, Suite 1500
Chicago, IL 60604

Re: Revised Infrastructure Improvement Projects, Village of Hazel Crest, Illinois – Comments of the Miami Tribe of Oklahoma

Dear Mr. Zylka:

Aya, kikwehsitoole – I show you respect. My name is Diane Hunter, and I am the Tribal Historic Preservation Officer for the Federally Recognized Miami Tribe of Oklahoma. In this capacity, I am the Miami Tribe's point of contact for all Section 106 issues.

The Miami Tribe offers no objection to the above-mentioned project at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site. However, as this site is within the aboriginal homelands of the Miami Tribe, if any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of this project, the Miami Tribe requests immediate consultation with the entity of jurisdiction for the location of discovery. In such a case, please contact me at 918-541-8966 or by email at dhunter@miamination.com to initiate consultation.

The Miami Tribe accepts the invitation to serve as a consulting party to the proposed project. In my capacity as Tribal Historic Preservation Officer I am the point of contact for consultation.

Respectfully,

Diane Hunter
Tribal Historic Preservation Officer



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

BRUCE RAUNER, GOVERNOR

ALEC MESSINA, DIRECTOR

December 21, 2018

Mr. Jason Zylka
USACE
231 S. LaSalle Street, Ste. 1500
Chicago, IL 60604

RE: Village of Hazel Crest Main Extension Project

Dear Mr. Fox,

The Agency has no objections to the project: however, a permit will be required from the Division of Public Water supplies for the water main improvements.

In addition, if one or more acres are disturbed during construction, a construction site activity stormwater NPDES permit will be required from the Division of Water Pollution Control as well.

Please be advised that any solid or hazardous waste must be properly disposed of or recycled.

Cordially,

A handwritten signature in cursive script that reads "Alec Messina".

Alec Messina
Director



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

J.B. Pritzker, Governor
Wayne A. Rosenthal, Director

Mailing address: IL State Historic Preservation Office, 1 Old State Capitol, Springfield, IL 62701

Cook County
Hazel Crest
Additional main: Maple Street between Elm Drive & Linden Drive
COEC
Water main replacement

PLEASE REFER TO: SHPO LOG #003121918

February 8, 2019

Jason Zylka
US Army Corps of Engineers-Chicago District
231 South LaSalle Street, Suite 1500
Chicago, IL 60604

Dear Mr. Zylka:

We have reviewed the documentation submitted for the referenced project(s) in accordance with 36 CFR Part 800.4. Based upon the information provided, no historic properties are affected. We, therefore, have no objection to the undertaking proceeding as planned.

Please retain this letter in your files as evidence of compliance with section 106 of the National Historic Preservation Act of 1966, as amended. This clearance remains in effect for two (2) years from date of issuance. It does not pertain to any discovery during construction, nor is it a clearance for purposes of the Illinois Human Skeletal Remains Protection Act (20 ILCS 3440).

If you are an applicant, please submit a copy of this letter to the state or federal agency from which you obtain any permit, license, grant, or other assistance. If further assistance is needed contact Jeff Kruchten, Chief Archaeologist at 217/785-1279 or Jeffery.kruchten@illinois.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert F. Appleman". The signature is fluid and cursive, with a long horizontal stroke at the end.

Robert F. Appleman
Deputy State Historic
Preservation Officer



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

Bruce Rauner, Governor
Wayne A. Rosenthal, Director

Mailing address: IL State Historic Preservation Office, 1 Old State Capitol Plaza, Springfield, IL 62701

Cook County
Hazel Crest
177th Street ROW between Central Park Ave. & Mae Jemison School, under I-294, 167th Street ROW between Dixie Highway & Winchester Avenue
COEC
Water main replacement

PLEASE REFER TO: SHPO LOG #003121918

December 31, 2018

Jason Zylka
US Army Corps of Engineers-Chicago District
231 South LaSalle Street, Suite 1500
Chicago, IL 60604

Dear Mr. Zylka:

We have reviewed the documentation submitted for the referenced project(s) in accordance with 36 CFR Part 800.4. Based upon the information provided, no historic properties are affected. We, therefore, have no objection to the undertaking proceeding as planned.

Please retain this letter in your files as evidence of compliance with section 106 of the National Historic Preservation Act of 1966, as amended. This clearance remains in effect for two (2) years from date of issuance. It does not pertain to any discovery during construction, nor is it a clearance for purposes of the Illinois Human Skeletal Remains Protection Act (20 ILCS 3440).

If you are an applicant, please submit a copy of this letter to the state or federal agency from which you obtain any permit, license, grant, or other assistance. If further assistance is needed contact Jeff Kruchten, Chief Archaeologist at 217/785-1279 or Jeffery.kruchten@illinois.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert F. Appleman".

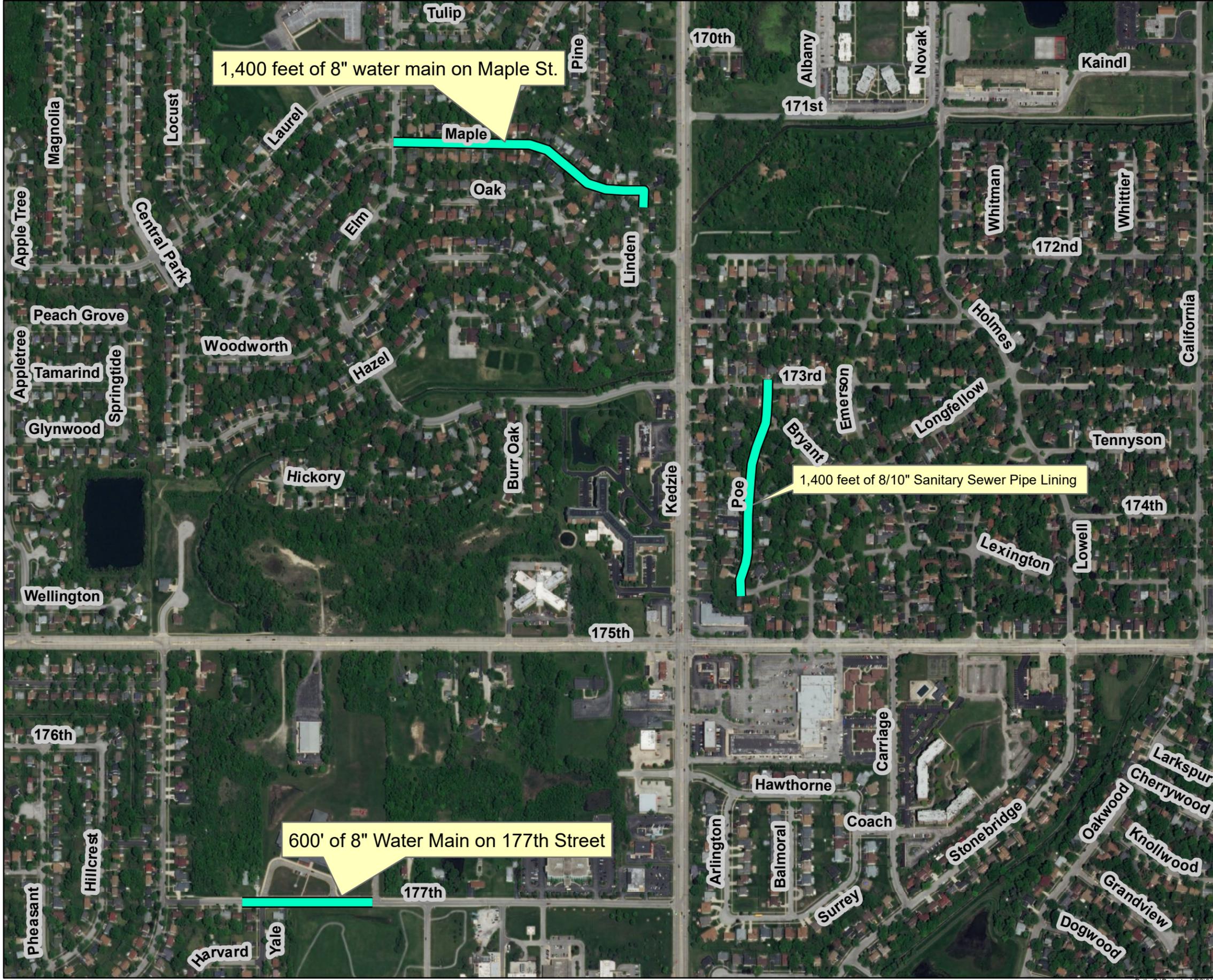
Robert F. Appleman
Deputy State Historic
Preservation Officer

APPENDIX 1
Project Map



Section 219, Village of Hazel Crest - Water Main Replacement and Sanitary Sewer Pipe Lining

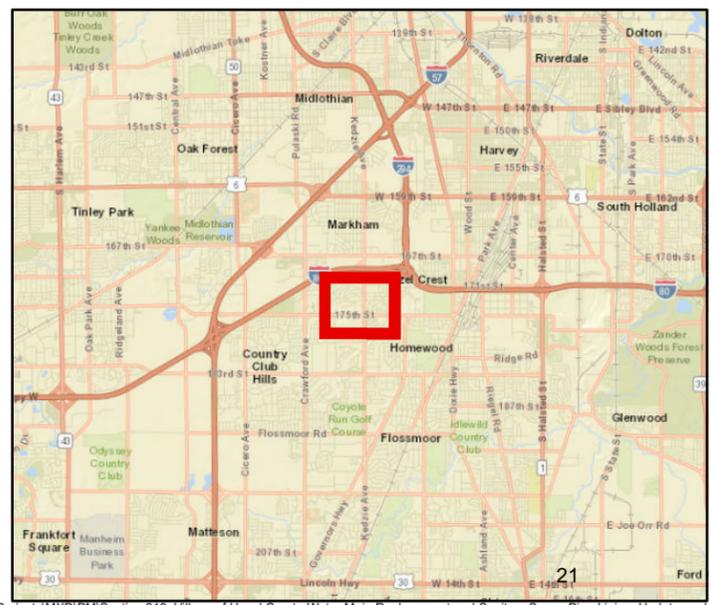
U.S. Army Corps of Engineers
Chicago District



Legend

Infrastructure Improvements

1 in = 500 ft
Date: 5/23/2019



APPENDIX 2
Draft FONSI

DRAFT FINDING OF NO SIGNIFICANT IMPACT

INFRASTRUCTURE PROJECT WATER MAIN AND STORM SEWER IMPROVEMENTS FOR THE VILLAGE OF HAZEL CREST, COOK COUNTY, ILLINOIS

The U.S. Army Corps of Engineers, Chicago District (Corps) has conducted an environmental analysis in accordance with the National Environmental Policy Act of 1969, as amended. The draft Environmental Assessment (EA) dated 24 May 2019, for the Infrastructure Project Water Main And Storm Sewer Improvements For The Village Of Hazel Crest addresses the insufficient capacity of water supply infrastructure and sanitary sewers in the Village of Hazel Crest, Cook County, Illinois.

The draft EA, incorporated herein by reference, evaluated various alternatives that would increase the inline capacity of the sewer system and reduce the incidences of flooding and waste water backups in the study area. The recommended plan is as follows:

- The two water mains will be replaced/constructed and the sanitary sewer infrastructure will be relined. This plan is recommended and will be implemented dependent on funding availability.

There were three alternatives considered to address this infrastructure problem in Crown Point, Indiana.¹ The alternatives included:

1. **No Action Plan** - Under this alternative, no changes would be made to upgrade the two water main projects or the sanitary sewer pipe lining. The existing system would continue to be degraded and service disruptions would result.
2. **Partial Improvements Plan** - Either one water main would be replaced and the other water main would be constructed or the sanitary sewer will be relined is this alternative. Action on the unimplemented infrastructure will be deferred.
3. **All Improvements Plan** - The two water mains will be replaced/constructed and the sanitary sewer infrastructure will be relined as part of this alternative. Plans to remedy both systems will be implemented, dependent on funding availability.

For all alternatives, the potential effects were evaluated, as appropriate. A summary assessment of the potential effects of the recommended plan are listed in Table 1 below.

Table 1: Summary of Potential Effects of the Recommended Plan

¹ 40 CFR 1505.2(b) requires a summary of the alternatives considered.

	Insignificant effects	Insignificant effects as a result of mitigation*	Resource unaffected by action	Positive Effects
Aesthetics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Air quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aquatic resources/wetlands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Invasive species	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fish and wildlife habitat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Threatened/Endangered species/critical habitat	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Historic properties	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other cultural resources	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floodplains	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hazardous, toxic & radioactive waste	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydrology	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Land use	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Navigation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Noise levels	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public infrastructure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Socio-economics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Environmental justice	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tribal trust resources	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Climate change	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

All practicable and appropriate means to avoid or minimize adverse environmental effects were analyzed and incorporated into the recommended plan. No compensatory mitigation is required as part of the recommended plan.

Public review of the draft EA and FONSI was completed on XX XXX XXXX. All comments submitted during the public review period are responded to in the Final EA and FONSI.

ENDANGERED SPECIES ACT

Pursuant to section 7 of the Endangered Species Act of 1973, as amended, the U.S. Army Corps of Engineers determined that the recommended plan may affect but is not likely to adversely affect the following federally listed species or their designated critical habitat: the federally endangered Indiana Bat (*Myotis sodalis*), the threatened northern long-eared bat (*Myotis septentrionalis*), the Karner blue butterfly (*Lycaeides Melissa samuelis*), rufa red knot (*Calidris canutus rufa*), the Eastern Massasauga (*Sistrurus*

catenatus), the threatened Pitcher's thistle (*Cirsium pitcheri*), and Mead's milkweed (*Asclepias meadii*). The U.S. Fish and Wildlife Service (FWS) concurred with the Corps' determination in a letter dated 26 February 2019

HISTORIC PROPERTIES NOT ADVERSELY AFFECTED:

Pursuant to section 106 of the National Historic Preservation Act of 1966, as amended, the U.S. Army Corps of Engineers determined that historic properties would not be adversely affected by the recommended plan. The Indiana Division of Historic Preservation and History concurred with the determination in a letter dated 21 February 2019. Additionally, the Pokagon Band of Potawatomi and the Miami Tribe of Oklahoma have both responded with letters dated 11 February 2019 and 15 February 2019 respectively and have offered no objections to the project. However, they have requested to be contacted should archaeological resources be uncovered during the project. If any archaeological resources are uncovered we will contact the appropriate agencies and Native American parties.

THE CLEAN WATER ACT

Pursuant to Sections 401 and 403 of the Clean Water Act of 1972, as amended, the U. S. Army Corps of Engineers determined that this law does not apply to the proposed infrastructure project since the project does not involve any placement of fill in the Waters of the US.

COASTAL ZONE MANAGEMENT ACT

The project area is not in the Illinois Coastal Zone.

All applicable environmental laws have been considered and coordination with appropriate agencies and officials has been completed.

All applicable laws, executive orders, regulations, and local government plans were considered in evaluation of alternatives.² Based on this report, the reviews by other Federal, State and local agencies, Tribes, input of the public, and the review by my staff, it is my determination that the recommended plan would not cause significant adverse effects on the quality of the human environment; therefore, preparation of an Environmental Impact Statement is not required.³

Date

Aaron Reisinger
Colonel, Corps of Engineers
District Commander

² 40 CFR 1505.2(B) requires identification of relevant factors including any essential to national policy which were balanced in the agency decision.

³ 40 CFR 1508.13 stated the FONSI shall include an EA or a summary of it and shall note any other environmental documents related to it. If an assessment is included, the FONSI need not repeat any of the discussion in the assessment but may incorporate by reference.