

Construction Notice for Adjustment to Anguin-Babbitt 138 kV Transmission Line Project



PUCO Case No. **19-1423-EL-BNR**

Submitted to:
The Ohio Power Siting Board
Pursuant to Ohio Administrative Code
Section 4906-6-05

Submitted by:
AEP Ohio Transmission Company, Inc.

July 15, 2019

CONSTRUCTION NOTICE FOR ADJUSTMENT TO ANGUIN-BABBITT 138 KV
TRANSMISSION LINE PROJECT

July 15, 2019

CONSTRUCTION NOTICE

AEP Ohio Transmission Company, Inc.'s
Adjustment to Anguin-Babbitt Transmission Line Project

4906-6-05

AEP Ohio Transmission Company, Inc. ("AEP Ohio Transco" or the "Company") provides the following information to the Ohio Power Siting Board ("OPSB") in accordance with the accelerated application requirements of Ohio Administrative Code Section 4906-6-05.

4906-6-05(B) General Information

B(1) Project Description

The name of the project and applicant's reference number, names and reference number(s) of resulting circuits, a brief description of the project, and why the project meets the requirements for a Construction Notice.

The Company proposes an adjustment to the approved Anguin-Babbitt 138 kV Transmission Line Project (Case Number 19-0266-EL-BLN), which will be referred to herein as Adjustment to Anguin-Babbitt 138 kV Transmission Line Project ("Project"). The Project is located in Licking County, Ohio.

The Project involves shifting three structures (Structures 2, 3, and 4) approximately 19-63 feet, respectively, from the original Ohio Power Siting Board ("OPSB")-approved centerline between Babbitt Station (OPSB Case Number 17-1325-EL-BLN), and Anguin Station (OPSB Case Number 19-0040-EL-BLN), which is currently under construction. The original centerline was designed prior to the final, surveyed station access road and site grading plan. The final station access road was in conflict with a structure and the line had to be shifted east to avoid the drive path.

The Project also shifts another structure, (Structure 2) in the extension from the Anguin Station to a customer facility, 15 feet to the north to keep the structure outside of a pond embankment on the customer's property. The Project location in relation to the surrounding vicinity can be seen in **Figure 1, Appendix A**.

The Project meets the requirements for a Construction Notice ("CN") because it is within the types of projects defined by (1)(d)(i) of Appendix A to Ohio Administrative Code Section 4906-1-01, *Application Requirement Matrix for Electric Power Transmission Lines*:

1. *New construction, extension, or relocation of single or multiple circuit electric power transmission line(s), or upgrading existing transmission or distributions line(s) for operation at a higher transmission voltage as follows:*

(d) Line(s) primarily needed to attract or meet the requirements of a specific customer or customers, as follows:

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- i. The line is completely on property owned by the specific customer or the applicant.*

The Project has been assigned PUCO Case No. 19-1423-EL-BNR.

B(2) Statement of Need

If the proposed project is an electric power transmission line or gas pipeline, the applicant shall provide a statement explaining the need for the proposed facility.

The Project, together with Anguin Station, is a customer-driven project for a new source in New Albany, Ohio with a maximum proposed load of 720 MW. The customer plans to phase their load, where the first phase will be 150 MW and subsequent phases will progressively rise to 720 MW (peak) load. The Company proposes to construct a new 138kV breaker and a half station (Anguin), fed from Babbitt Station by this Project to initially serve 2 radial leads to the customer with provision for both customer load expansion (additional radial circuits) as well as system reinforcement (additional looped circuits).

The need for the project was filed with PJM, as a Supplemental Project, for review in October 2018. The solution statement for the customer needs were discussed in a follow up meeting in February 2019. The project is included in the 2019 Long Term Forecast Report (PUCO Form FE-T9, pages 13-16 of 102) . The Company will provide the PJM reference number to OPSB once it has been assigned.

B(3) Project Location

The applicant shall provide the location of the project in relation to existing or proposed lines and substations shown on an area system map of sufficient scale and size to show existing and proposed transmission facilities in the Project area.

The location of the Project in relation to existing transmission lines and stations is shown on **Figure 1, Appendix A.**

B(4) Alternatives Considered

The applicant shall describe the alternatives considered and reasons why the proposed location or route is best suited for the proposed facility. The discussion shall include, but not be limited to, impacts associated with socioeconomic, ecological, construction, or engineering aspects of the project.

The proposed structure shifts that are the subject of this application represent the most appropriate solution for meeting the Company's need. Specifically, the adjustments to the pole locations between Babbitt Station and the proposed Anguin Station were necessary because the original centerline was designed prior to the final, surveyed station access road and site grading plan. The final station access road was in conflict with Structure 3 and the line had to be shifted east to avoid the drive path, which also required shifting Structures 2 and 4. Additionally, the adjustment to the location of Structure 2 along the extension from the Anguin Station to a customer facility was necessary to keep the structure outside of a pond embankment on the customer's property. No other alternatives were considered for the Project. Significant negative

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socioeconomic, ecological, or construction impacts from the proposed adjustment are not expected, as the adjustments will be covered under the previously surveyed areas for the Project.

B(5) Public Information Program

The applicant shall describe its public information program to inform affected property owners and tenants of the nature of the project and the proposed timeframe for project construction and restoration activities.

The Project will not affect any additional property owners or tenants from those affected by the original Letter of Notification (“LON”) filing. The Company maintains a website (<http://aeptransmission.com/ohio/>) on which an electronic copy of this CN is available. A paper copy of the CN will be served to the public library in each political subdivision affected by this Project.

B(6) Construction Schedule

The applicant shall provide an anticipated construction schedule and proposed in-service date of the project.

Construction of the Project is planned to begin in July 2019 with an anticipated in-service date of February 2020.

B(7) Area Map

The applicant shall provide a map of at least 1:24,000 scale clearly depicting the facility with clearly marked streets, roads, and highways, and an aerial image.

Figure 1, Appendix A provides the proposed Project area and transmission line alignment on a map of 1:24,000-scale, showing the United States Geological Survey (USGS) 7.5-minute topographic maps of the New Albany and Jersey quadrangles. **Figure 2, Appendix A** shows the Project area on recent aerial photography, as provided by Bing Maps.

To access the Project location from Columbus, take I-670 East for approximately 6 miles to I-270 North. At exit 30, take the ramp right for Ohio 161 East toward New Albany. After 8.4 miles, take the ramp right and follow signs for Township Highway 88/Beech Road. Turn right on Beech Road and continue 0.5 mile. The Project site is located near latitude 40.070465, longitude -82. 754222.

B(8) Property Agreements

The applicant shall provide a list of properties for which the applicant has obtained easements, options, and/or land use agreements necessary to construct and operate the facility and a list of the additional properties for which such agreements have not been obtained.

The proposed Project will be constructed on property currently owned by the Company and a customer. Easements are being established with the customer who own the property required for the Project. A list

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of the properties and obtained easements, options, and/or land use agreements for the Project is provided in the table below.

Property Parcel Number	Easement/ Option Obtained (Yes/No)
9410640400000	Yes
9410689600000	No

B(9) Technical Features

The applicant shall describe the following information regarding the technical features of the project:

B(9)(a) Operating characteristics, estimated number and types of structures required, and right-of-way and/or land requirements.

The Anguin-Babbitt 138 kV transmission line construction will include the following, based on current design:

Voltage: 138kV

Conductors: 2 x bundled 1033.5 kcmil 54/7 ACSS

Static Wire: OPGW

Insulators: Polymer

ROW Width: 100 Feet

Estimate Number of Structure Types for adjustments:

- Double circuit steel pole dead end structure. Two (2) structures are needed.
- Double circuit steel pole tangent structure. One (1) structure needed.

The Anguin 138 kV Extension transmission line construction will include the following, based on current design:

Voltage: 138kV

Conductors: 2 x bundled 795 kcmil 26/7 ACSS

Static Wire: OPGW

Insulators: Polymer

ROW Width: 100 Feet

Estimate Number of Structure Types for adjustment:

- Double circuit steel pole angle structure. One (1) structure needed.

B(9)(b) Electric and Magnetic Fields

For electric power transmission lines that are within one hundred feet of an occupied residence or institution, the production of electric and magnetic fields during the operation of the proposed electric power transmission line.

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B(9)(b)(i) Calculated Electric and Magnetic Field Strength Levels

i) Calculated Electric and Magnetic Field Levels

This section is not applicable. No occupied residences or institutions are located within 100 feet of the Project.

B(9)(b)(ii) Design Alternatives

A discussion of the applicant's consideration of design alternatives with respect to electric and magnetic fields and their strength levels, including alternate conductor configuration and phasing, tower height, corridor location, and right-of-way width.

This section is not applicable. No occupied residences or institutions are located within 100 feet of the Project.

B(9)(b)(ii)(c) Project Cost

The estimated capital cost of the project.

The capital cost estimate for the Anguin-Babbitt 138 kV Transmission Line Project, including the adjustments proposed by the Project, which is comprised of applicable tangible and capital costs, remains approximately \$13,500,000, using a Class 3 estimate.

B(10) Social and Economic Impacts

The applicant shall describe the social and ecological impacts of the project:

B(10)(a) Operating Characteristics

Provide a brief, general description of land use within the vicinity of the proposed project, including a list of municipalities, townships, and counties affected.

An aerial photograph of the Project vicinity is provided as **Figure 2, Appendix A**. The Project location has historically been primarily agricultural land with scattered woodlots. However, the area is being developed for commercial use. The Project is located in the Village of New Albany in Jersey Township and Licking County.

B(10)(b) Agricultural Land Information

Provide the acreage and a general description of all agricultural land, and separately all agricultural district land, existing at least sixty days prior to submission of the application within the potential disturbance area of the project.

One parcel (9410640400000) is currently listed as agricultural district land by the Licking County Auditor. However, this parcel is currently under construction for commercial development. The other parcel crossed by the Project is not registered as agricultural district land.

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B(10)(c) Archaeological and Cultural Resources

Provide a description of the applicant's investigation concerning the presence or absence of significant archaeological or cultural resources that may be located within the potential disturbance area of the project, a statement of the findings of the investigation, and a copy of any document produced as a result of the investigation.

Archaeological and historic architectural investigations were conducted by the Company's consultant for this Project. No cultural resources concerns were identified. A correspondence letter from the State Historic Preservation Office ("SHPO") was received determining that "no further archaeological work is necessary" (see Appendix B).

B(10)(d) Local, State, and Federal Agency Correspondence

Provide a list of the local, state, and federal governmental agencies known to have requirements that must be met in connection with the construction of the project, and a list of documents that have been or are being filed with those agencies in connection with siting and constructing the project.

Best management practices (BMPs) will be implemented and maintained to minimize erosion and control sediment to protect surface water quality during storm events. A project-specific Storm Water Pollution Prevention Plan (SWPPP) will be prepared and a Notice of Intent (NOI) will be filed with the Ohio Environmental Protection Agency for authorization of construction storm water discharges under General Permit OHC000005.

The Project is not crossed by Federal Emergency Management Agency ("FEMA") 100-year floodplains. Therefore, no floodplain permitting is required for the Project.

There are no other known local, state or federal permitting requirements that must be met prior to commencement of the Project.

B(10)(e) Threatened, Endangered, and Rare Species

Provide a description of the applicant's investigation concerning the presence or absence of federal and state designated species (including endangered species, threatened species, rare species, species proposed for listing, species under review for listing, and species of special interest) that may be located within the potential disturbance area of the project, a statement of the findings of the investigation, and a copy of any document produced as a result of the investigation.

Coordination with the United States Fish and Wildlife Service (USFWS) and the Ohio Department of Natural Resources (ODNR) occurred as part of the overall customer development for areas of the Project. The Indiana and northern long-eared bats are the only species identified as potential concerns by these agencies. Through additional surveys and coordination performed through the customer's development efforts, no restrictions are required for tree clearing within the limits of disturbance proposed for the Project.

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B(10)(f) Areas of Ecological Concern

Provide a description of the applicant's investigation concerning the presence or absence of areas of ecological concern (including national and state forests and parks, floodplains, wetlands, designated or proposed wilderness areas, national and state wild and scenic rivers, wildlife areas, wildlife refuges, wildlife management areas, and wildlife sanctuaries) that may be located within the potential disturbance area of the project, a statement of the findings of the investigation, and a copy of any document produced as a result of the investigation.

The Company's consultant conducted a wetland and stream delineation field survey in February 2019 as presented in Appendix B of the LON for the approved Anguin-Babbitt 138 kV Transmission Line Project (Case Number 19-0266-EL-BLN). Wetlands in the vicinity of the adjustments are provided in **Figure 2 of Appendix A**. No additional wetland or stream impacts are anticipated as a result of the adjustments. A stormwater pollution prevention plan (SWPPP) will also be prepared prior to construction.

The FEMA Flood Insurance Rate Map was consulted to identify any floodplains/flood hazard areas that have been mapped in the Project area (specifically, map number 39089C). Based on this map, no mapped FEMA floodplains are located in the Project area.

B(10)(g) Unusual Conditions

Provide any known additional information that will describe any unusual conditions resulting in significant environmental, social, health, or safety impacts.

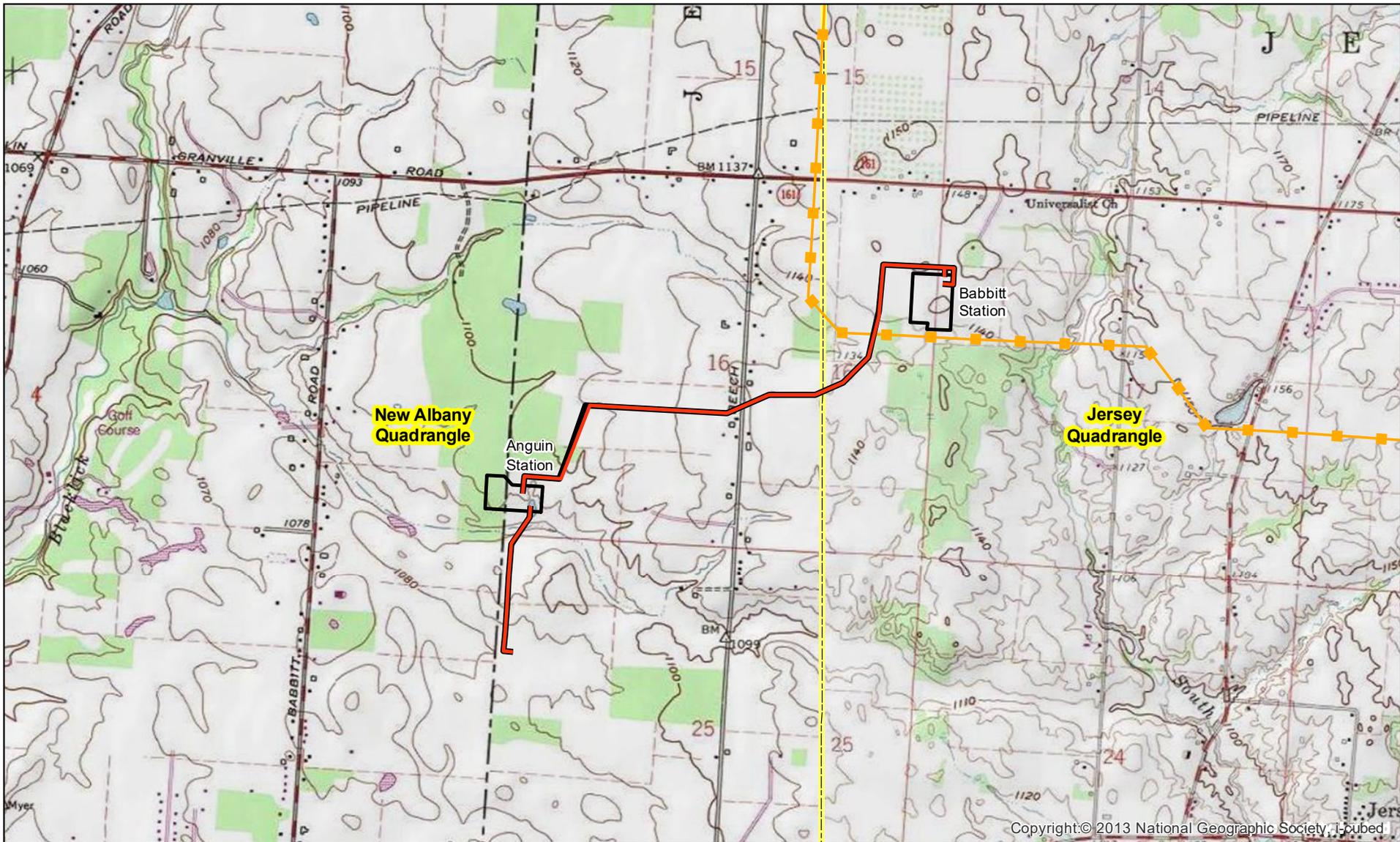
To the best of the Company's knowledge, no unusual conditions exist that would result in significant environmental, social, health, or safety impacts.

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Project Maps
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Appendix A Project Maps

Figures 1 and 2



Copyright © 2013 National Geographic Society, I-Cubed

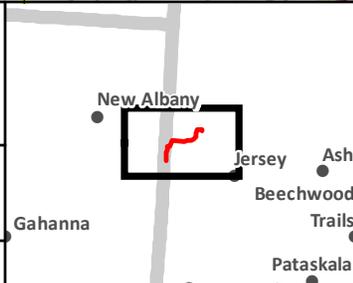
- Adjusted Route
- OPSB Approved Route
- Station
- Existing Transmission Line (345 kV+)
- USGS 7.5' Topographical Quadrangle

Data Sources: AEP (2019),
USGS (2018), ESRI (2013)

Coordinate System:
State Plane Ohio South
NAD 83



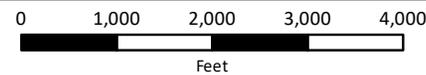
June 27, 2019

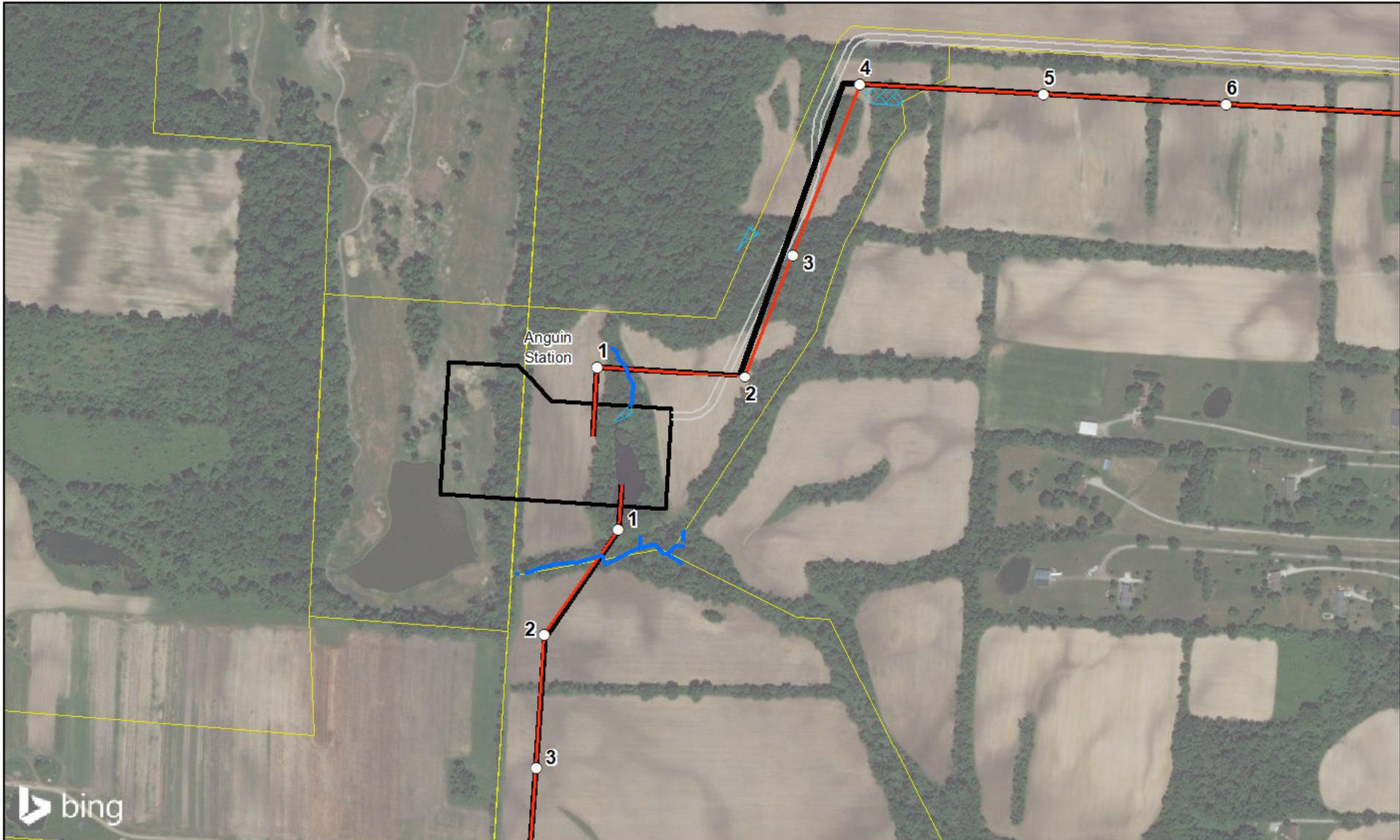


Map 1 Project Overview



**Adjustment to Anguin-Babbitt
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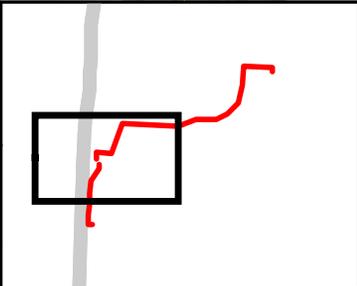


- Adjusted Route
- OPSB Approved Route
- Proposed Structure Location
- Station
- Anguin Station Access Drive
- Delineated Stream
- Delineated Wetland
- Parcel Boundary

Data Sources: AEP (2019),
Bing (2018)

Coordinate System:
State Plane Ohio South
NAD 83

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Map 2
Aerial Imagery of Project Area

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0 250 500 750 1,000

 Feet

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SHPO Concurrence
July 2019

Appendix B SHPO Concurrence



In reply, refer to
2019-LIC-43838

March 7, 2019

Mr. Ryan J. Weller
Weller & Associates, Inc.
1395 West Fifth Avenue
Columbus, Ohio 43212

RE: Babbitt-Anguin 138kV Electric Line, Jersey Township, Licking County, Ohio

Dear Mr. Weller:

This letter is in response to the correspondence received on January 18, 2019 (and ongoing conversations) regarding the proposed Babbitt-Anguin 138kV Electric Line, Jersey Township, Licking County, Ohio. We appreciate the opportunity to comment on this project. The comments of the Ohio State Historic Preservation Office (SHPO) are made pursuant to Section 149.53 of the Ohio Revised Code and the Ohio Power Siting Board rules for siting this project (OAC 4906-4). The comments of the Ohio SHPO are also submitted in accordance with the provisions of Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. 306108 [36 CFR 800]).

The following comments pertain to the *Phase I Archaeological Investigations for the 3.94 km (2.45 mi) Babbitt-Anguin 138kV Electric Line in Jersey Township, Licking County, Ohio* by Weller & Associates, Inc. (2019).

A literature review, visual inspection, surface collection, shovel test, and shovel probe excavation was completed as part of the investigations. No previously identified archaeological sites are located within the project area. No archaeological sites were identified during this survey. Based on the information provided, our office agrees with your determination and no further archaeological work is necessary.

The following comments pertain to the *History/Architecture Investigations for the 3.94 km (2.45 mi) Babbitt-Anguin 138kV Electric Line in Jersey Township, Licking County, Ohio* by Weller & Associates, Inc. (2019).

A literature review and field survey were completed as part of the investigations. Three properties fifty years of age or older, including the previously recorded LIC0119113, were identified within the project area and/or that possess a viewshed of the proposed project. It is Weller's recommendation that the identified properties are not eligible for inclusion in the National Register of Historic Places due to historical and architectural insignificance. Our office agrees with Weller's recommendations of eligibility.

Based on the information provided, we agree the project will not affect historic properties. No further coordination with this office is necessary, unless the project changes or unless new or additional historic properties are discovered during implementation of this project. In such a situation, this office should be contacted. If you have any questions, please contact me at (614) 298-2022, or by e-mail at khorricks@ohiohistory.org, or Joy Williams at jwilliams@ohiohistory.org. Thank you for your cooperation.

Sincerely,

A handwritten signature in blue ink, appearing to read "Krista Horrocks".

Krista Horrocks, Project Reviews Manager
Resource Protection and Review

cc: Alicia Cross, AEP (amcross@aep.com)

RPR Serial No: 1077219-1077220