



76 South Main Street
Akron, Ohio 44308

1-800-646-0400

January 18, 2019

Docketing Division
The Public Utilities Commission of Ohio
180 East Broad Street
Columbus, OH 43215-3793

Construction Notice
Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project
Case No. 18-1396-EL-BNR

Dear Ms. McNeal:

In accordance with Ohio Administrative Code ("OAC") Rule 4906-2-04(A)(3) and OAC Chapter 4906-6, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, transmits one (1) original and eleven (11) copies of the enclosed Construction Notice application.

In this Project, ATSI proposes to add two (2) switch structures to the Brookside-Leaside 138 kV Transmission Line on the same centerline as the existing transmission line. The new switch structures will be single pole wood structures, one on each side of the existing tap structure to Milliron Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 280 feet in length to Milliron Substation during this Project's construction. The Project will be located in Jackson Township, Richland County, Ohio.

ATSI is requesting an expedited review of this Project. However, since construction is not scheduled to begin until February 25 at the earliest, ATSI does not need approval within 21 days, rather it would like to respectfully request approval on or before February 22. This provides the Board with 30 days from the date of filing to review the application.

Pursuant to OAC Rule 4906-2-04(A)(3), please be advised of the following:

a) Name and address of the applicants:

American Transmission Systems, Incorporated
76 South Main Street
Akron, Ohio 44308

b) Name and location of proposed facilities:

Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project.

The Project area is located in Jackson Township, Richland County, Ohio.

This is to certify that the information
accuracy and complete representation of the
document delivered in the regular course of
Technician Ans Date Processed 1/22/19

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2019 JAN 22 PM 12:32
PUCO

c) Applicant's representative:

Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission and Substation Design
FirstEnergy Service Company
76 South Main Street
Akron, OH 44308-1890

d) Due to revisions to the proposed temporary 138 kV transmission connection layout, one (1) temporary single circuit wood pole structure will be installed, not two, as it was stated in the pre-application letter.

Further, due to revisions in the outage schedule, construction on this Project is expected to begin as early as February 25, 2019, not April 15, 2019, as it was stated in the pre-application letter, and be completed by March 24, 2019.

Finally, due to these revisions in the outage schedule, ATSI is requesting an expedited review of this Project.

e) A notarized statement that the information contained in the application is complete and accurate is provided as Attachment 1.

We have provided a copy of the Construction Notice application by certified mail, with return receipt requested, to each official of the political subdivisions immediately affected by the proposed Project as listed in Exhibit 1. Copies of the transmittal letters addressed to the local government representatives of Jackson Township, Richland County. In addition to the local officials, this Construction Notice application is being provided to the libraries listed in Exhibit 1. These materials are being provided as proof of compliance with OAC Rule 4906-6-07.

After docketing this filing, please return one time-stamped copy of the Construction Notice application to us in the enclosed envelope. Should staff of the Ohio Power Siting Board desire further information or to discuss this submittal, please contact me at (330) 761-4473.

Sincerely,



Nataliya Bryksenkova
Engineer
Energy Delivery
Transmission and Substation Design
FirstEnergy Service Company

Attachments

**Brookside-Leaside 138 kV Transmission Line
Switch Structure Addition Project
Case Number 18-1396-EL-BNR**

Date: January 18, 2019

**Attachment 1
Affidavit of Nataliya Bryksenkova**

BEFORE THE
OHIO POWER SITING BOARD

In The Matter Of:)
The Application of American Transmission)
Systems, Incorporated for a Certificate of)
Environmental Compatibility and Public)
Need for the Construction for the)
Brookside-Leaside 138 kV Transmission)
Line Switch Structure Addition Project)

Case No. 18-1396-EL-BNR

AFFIDAVIT OF Nataliya Bryksenkova

I, Nataliya Bryksenkova, state the following:


Pursuant to Ohio Administrative Code Rule 4906-2-04(A)(3)(e), I am the authorized representative of the Applicants in this case and I affirm that the Construction Notice application filed in this matter is true and accurate to the best of my information and belief.




Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission and Substation Design
FirstEnergy Service Company

State of Ohio)
) ss:
County of Summit)

Sworn and subscribed before me this 18th day of January 2019.



Notary Public
 LYNNE THOMAS
NOTARY PUBLIC
STATE OF OHIO
Comm. Expires
02-13-2022

January 18, 2019

Ms. Tammy Turkenton
Executive Director
Ohio Power Siting Board
180 East Broad Street, 6th Floor
Columbus, OH 43215-3793

Via Overnight Delivery

**Re: Brookside-Leaside 138 kV Transmission Line Switch Structure Addition
Ohio Power Siting Board Case No. 19-1396-EL-BNR**

Dear Ms. Turkenton,

American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, today under separate cover, has filed with the Public Utilities Commission of Ohio, Docketing Division, the subject Construction Notice application.

The Project is located in Jackson Township, Richland County, Ohio.

ATSI is requesting an expedited review of this Construction Notice application pursuant to Ohio Administrative Code Rule 4606-6-04. ATSI, also under separate cover, has submitted a payment of \$2,000 so that the Construction Notice application may be reviewed on an expedited basis.

Please note that as a result of the planned timing of the outage for this Project, ATSI does not need a decision on this application until February 22, 2019, which will provide your Staff some additional time to complete their review. As always, ATSI appreciates your assistance and the timely review of all of its projects.

If you have any questions, please contact me at 330-761-4473.

Sincerely,



Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission & Substation Design
FirstEnergy Service Company

cc: J. O'Dell

January 18, 2019

Ohio Power Siting Board
Fund 5610
Columbus, Ohio 43215

Re: **Brookside-Leaside 138 kV Transmission Line Switch Structure Addition**
Ohio Power Siting Board Case No. 18-1396-EL-BNR

To Whom It May Concern,

Enclosed please find Check No. 2862017 made payable to the Ohio Power Siting Board Fund 561 (Case Number 18-1396-EL-BNR) in the amount of \$2,000 for the expedited review of the American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy companies' application for the Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project filed today in Case No. 18-1396-EL-BNR.

Speed code	Deposit Unit	GL Unit	Fund	Account Code	ALI
PUCPSITING	PUC01	STATE	5610	425049	N/A

Department	Program	Agency Use	ISTV Xref
PUC901210	N/A	N/A	N/A

Sincerely,



Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission & Substation Design
FirstEnergy Service Company

Enclosure (FirstEnergy Corp. Check No. 2862017 for \$2,000)

cc: T. Turkenton (with copy of enclosure)
J. O'Dell (with copy of enclosure)



Power Siting Board

Board Members
Chairman, Public Utilities Commission of Ohio
Director, Ohio Environmental Protection Agency
Director, Ohio Development Services Agency
Director, Ohio Department of Health
Director, Ohio Department of Natural Resources
Director, Ohio Department of Agriculture
Public Member
Ohio House of Representatives
Ohio Senate

****THIS SHEET MUST BE INCLUDED WITH PAYMENT****

Case Number: 18-1396-EL-BNR

Project Name: Brookside-Leaside 138 kV Transmission Line Switch Structure Addition

Application Fee: \$

Expedited Fee: \$ 2,000.00

Make Checks Payable To:

Ohio Power Siting Board, Fund 5610
(Designated by Case Number)

Mail To:

Public Utilities Commission of Ohio
Finance Department, 4th Floor
180 East Broad Street
Columbus, Ohio 43215

-----For Treasurer, State of Ohio use-----

Speed code	Deposit Unit	GL Unit	Fund	ALI
PUCPSITING	PUC01	STATE	5610	N/A

Account Code	Department	Program	Agency Use	ISTV Xref
425049	PUC701310	N/A	N/A	N/A

Rev. 04/2018

180 East Broad Street
Columbus, Ohio 43215-3793

(866) 270-6772
www.OPSB.ohio.gov

An equal opportunity employer and service provider

FirstEnergy

VOID IF NOT CASHED WITHIN 90 DAYS

2862017

50-937

213

Check No. 2862017

CHECK DATE

AMOUNT

PAY TO
THE
ORDER
OF

TREASURER STATE OF OHIO

FUND 5610-PUCO OH POWER SITING BOAR

L-3603

COLUMBUS, OH 43260-3603

01 18 2019

*****2,000.00

EXACTLY *****2,000

DOLLARS 00 CENTS

Stuart R. Stueb

Treasurer
FirstEnergy Corp.

JPMorgan Chase Bank, Syracuse, NY 13206



VENDOR NO. 0210047008 DOC NO. 2000017758

PO NO	INVOICE / RCPT #	DATE	DOCUMENT #	VENDOR INV AMT	DISCOUNT	NET AMOUNT
	18-1396-EL-BNR	01/17/2019	1902023742	2,000.00	0.00	2,000.00

Brookside-Leaside 138kV Switch Structure Addition

FOR CHECK INQUIRY, CONTACT FIRSTENERGY ACCOUNTS PAYABLE HELP DESK AT 814-539-3200.

Exhibit 1
Officials Served Copy of Letter of the Construction Notice
Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project
Case No. 18-1396-EL-BNR

Richland County

Commissioner Marilyn John, President
Richland County Commissioners
County Courthouse,
50 Park Avenue East
Mansfield, OH 44902

Commissioner Darrel Banks
Richland County Commissioners
County Courthouse,
50 Park Avenue East
Mansfield, OH 44902

Commissioner Tony Vero
Richland County Commissioners
County Courthouse,
50 Park Avenue East
Mansfield, OH 44902

Mr. Adam Gove, P.E., P.S.
Richland County Engineer
77 North Mulberry Street
Mansfield, OH 44902-1777

Ms. Jotika Shetty, Executive Director
Richland County Regional Planning
Commission
35 North Park Street, Suite 230
Mansfield, OH 44902-1722

Jackson Township

Mr. Paul Carriere, Trustee
Jackson Township Hall
3761 Plymouth Springmill Road
Shelby OH 44875

Mr. Gaylord Rice, Trustee
Jackson Township Hall
3761 Plymouth Springmill Road
Shelby OH 44875

Mr. Greg Vogt, Trustee
Jackson Township Hall
3761 Plymouth Springmill Road
Shelby OH 44875

Ms. Amy Murray, Fiscal Officer
Jackson Township Hall
3761 Plymouth Springmill Road
Shelby OH 44875

Library

Ms. Ruth Wolf, Branch Manager
Ontario Branch Library
2221 Village Mall Drive
Mansfield, OH 44906

January 18, 2019

Commissioner Marilyn John, President
Richland County Commissioners
County Courthouse,
50 Park Avenue East
Mansfield, OH 44902

Construction Notice
Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project
Case No. 18-1396-EL-BNR

Dear Commissioner John,

American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing a new project that will add two (2) switch structures to the Brookside-Leaside 138 kV Transmission Line on the same centerline as the existing transmission line. These new switch structures will be single pole wood structures, one on each side of an existing tap structure to Milliron Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 280 feet in length to Milliron Substation during this Project's construction. The Project is located in Jackson Township, Richland County, Ohio.

This Project requires the approval of the Ohio Power Siting Board ("OPSB") and in accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the OPSB's requirements for a Construction Notice application. In compliance with OAC Chapter 4906-6, we have filed the attached Construction Notice application with the OPSB for their review and approval. The Construction Notice application contains a description of the Project and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at 330-761-4473.

Sincerely,



Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission & Substation Design
FirstEnergy Service Company

Attachment

January 18, 2019

Commissioner Darrel Banks
Richland County Commissioners
County Courthouse,
50 Park Avenue East
Mansfield, OH 44902

Construction Notice
Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project
Case No. 18-1396-EL-BNR

Dear Commissioner Banks,

American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing a new project that will add two (2) switch structures to the Brookside-Leaside 138 kV Transmission Line on the same centerline as the existing transmission line. These new switch structures will be single pole wood structures, one on each side of an existing tap structure to Milliron Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 280 feet in length to Milliron Substation during this Project's construction. The Project is located in Jackson Township, Richland County, Ohio.

This Project requires the approval of the Ohio Power Siting Board ("OPSB") and in accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the OPSB's requirements for a Construction Notice application. In compliance with OAC Chapter 4906-6, we have filed the attached Construction Notice application with the OPSB for their review and approval. The Construction Notice application contains a description of the Project and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at 330-761-4473.

Sincerely,



Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission & Substation Design
FirstEnergy Service Company

Attachment

January 18, 2019

Commissioner Tony Vero
Richland County Commissioners
County Courthouse,
50 Park Avenue East
Mansfield, OH 44902

Construction Notice
Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project
Case No. 18-1396-EL-BNR

Dear Commissioner Vero,

American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing a new project that will add two (2) switch structures to the Brookside-Leaside 138 kV Transmission Line on the same centerline as the existing transmission line. These new switch structures will be single pole wood structures, one on each side of an existing tap structure to Milliron Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 280 feet in length to Milliron Substation during this Project's construction. The Project is located in Jackson Township, Richland County, Ohio.

This Project requires the approval of the Ohio Power Siting Board ("OPSB") and in accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the OPSB's requirements for a Construction Notice application. In compliance with OAC Chapter 4906-6, we have filed the attached Construction Notice application with the OPSB for their review and approval. The Construction Notice application contains a description of the Project and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at 330-761-4473.

Sincerely,



Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission & Substation Design
FirstEnergy Service Company

Attachment

January 18, 2019

Mr. Adam Gove, P.E., P.S.
Richland County Engineer
77 North Mulberry Street
Mansfield, OH 44902-1777

Construction Notice
Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project
Case No. 18-1396-EL-BNR

Dear Mr. Gove,

American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing a new project that will add two (2) switch structures to the Brookside-Leaside 138 kV Transmission Line on the same centerline as the existing transmission line. These new switch structures will be single pole wood structures, one on each side of an existing tap structure to Milliron Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 280 feet in length to Milliron Substation during this Project's construction. The Project is located in Jackson Township, Richland County, Ohio.

This Project requires the approval of the Ohio Power Siting Board ("OPSB") and in accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the OPSB's requirements for a Construction Notice application. In compliance with OAC Chapter 4906-6, we have filed the attached Construction Notice application with the OPSB for their review and approval. The Construction Notice application contains a description of the Project and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at 330-761-4473.

Sincerely,



Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission & Substation Design
FirstEnergy Service Company

Attachment

January 18, 2019

Ms. Jotika Shetty,
Executive Director
Richland County Regional Planning Commission
35 North Park Street, Suite 230
Mansfield, OH 44902-1722

Construction Notice
Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project
Case No. 18-1396-EL-BNR

Dear Ms. Shetty,

American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing a new project that will add two (2) switch structures to the Brookside-Leaside 138 kV Transmission Line on the same centerline as the existing transmission line. These new switch structures will be single pole wood structures, one on each side of an existing tap structure to Milliron Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 280 feet in length to Milliron Substation during this Project's construction. The Project is located in Jackson Township, Richland County, Ohio.

This Project requires the approval of the Ohio Power Siting Board ("OPSB") and in accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the OPSB's requirements for a Construction Notice application. In compliance with OAC Chapter 4906-6, we have filed the attached Construction Notice application with the OPSB for their review and approval. The Construction Notice application contains a description of the Project and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at 330-761-4473.

Sincerely,



Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission & Substation Design
FirstEnergy Service Company

Attachment

January 18, 2019

Mr. Paul Carriere, Trustee
Jackson Township Hall
3761 Plymouth Springmill Road
Shelby OH 44875

Construction Notice
Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project
Case No. 18-1396-EL-BNR

Dear Mr. Carriere,

American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing a new project that will add two (2) switch structures to the Brookside-Leaside 138 kV Transmission Line on the same centerline as the existing transmission line. These new switch structures will be single pole wood structures, one on each side of an existing tap structure to Milliron Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 280 feet in length to Milliron Substation during this Project's construction. The Project is located in Jackson Township, Richland County, Ohio.

This Project requires the approval of the Ohio Power Siting Board ("OPSB") and in accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the OPSB's requirements for a Construction Notice application. In compliance with OAC Chapter 4906-6, we have filed the attached Construction Notice application with the OPSB for their review and approval. The Construction Notice application contains a description of the Project and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at 330-761-4473.

Sincerely,



Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission & Substation Design
FirstEnergy Service Company

Attachment

January 18, 2019

Mr. Gaylord Rice, Trustee
Jackson Township Hall
3761 Plymouth Springmill Road
Shelby OH 44875

Construction Notice
Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project
Case No. 18-1396-EL-BNR

Dear Mr. Rice,

American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing a new project that will add two (2) switch structures to the Brookside-Leaside 138 kV Transmission Line on the same centerline as the existing transmission line. These new switch structures will be single pole wood structures, one on each side of an existing tap structure to Milliron Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 280 feet in length to Milliron Substation during this Project's construction. The Project is located in Jackson Township, Richland County, Ohio.

This Project requires the approval of the Ohio Power Siting Board ("OPSB") and in accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the OPSB's requirements for a Construction Notice application. In compliance with OAC Chapter 4906-6, we have filed the attached Construction Notice application with the OPSB for their review and approval. The Construction Notice application contains a description of the Project and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at 330-761-4473.

Sincerely,



Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission & Substation Design
FirstEnergy Service Company

Attachment

January 18, 2019

Mr. Greg Vogt, Trustee
Jackson Township Hall
3761 Plymouth Springmill Road
Shelby OH 44875

Construction Notice
Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project
Case No. 18-1396-EL-BNR

Dear Mr. Vogt,

American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing a new project that will add two (2) switch structures to the Brookside-Leaside 138 kV Transmission Line on the same centerline as the existing transmission line. These new switch structures will be single pole wood structures, one on each side of an existing tap structure to Milliron Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 280 feet in length to Milliron Substation during this Project's construction. The Project is located in Jackson Township, Richland County, Ohio.

This Project requires the approval of the Ohio Power Siting Board ("OPSB") and in accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the OPSB's requirements for a Construction Notice application. In compliance with OAC Chapter 4906-6, we have filed the attached Construction Notice application with the OPSB for their review and approval. The Construction Notice application contains a description of the Project and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at 330-761-4473.

Sincerely,



Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission & Substation Design
FirstEnergy Service Company

Attachment

January 18, 2019

Ms. Amy Murray, Fiscal Officer
Jackson Township Hall
3761 Plymouth Springmill Road
Shelby OH 44875

Construction Notice
Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project
Case No. 18-1396-EL-BNR

Dear Ms. Murray,

American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing a new project that will add two (2) switch structures to the Brookside-Leaside 138 kV Transmission Line on the same centerline as the existing transmission line. These new switch structures will be single pole wood structures, one on each side of an existing tap structure to Milliron Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 280 feet in length to Milliron Substation during this Project's construction. The Project is located in Jackson Township, Richland County, Ohio.

This Project requires the approval of the Ohio Power Siting Board ("OPSB") and in accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the OPSB's requirements for a Construction Notice application. In compliance with OAC Chapter 4906-6, we have filed the attached Construction Notice application with the OPSB for their review and approval. The Construction Notice application contains a description of the Project and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at 330-761-4473.

Sincerely,



Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission & Substation Design
FirstEnergy Service Company

Attachment

January 18, 2019

Ms. Ruth Wolf, Branch Manager
Ontario Branch Library
2221 Village Mall Drive
Mansfield, OH 44906

Construction Notice
Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project
Case No. 18-1396-EL-BNR

Dear Ms. Wolf,

Enclosed please find one copy of the Construction Notice application of American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, for the Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project ("Project") that has been filed with the Ohio Power Siting Board ("OPSB"). Please make the Construction Notice application available for public reference in the Ontario Branch Library. We are providing a copy of the Construction Notice application for placement in your library in response to the requirements of the Ohio Administrative Code ("OAC") Rule 4906-6-07(A)(2). This rule requires us to place a copy of the Construction Notice application in the main public libraries of the political subdivisions in which any portion of the Project is to be located.

As described in the Construction Notice application, the Project proposes to add two (2) switch structures to the Brookside-Leaside 138 kV Transmission Line on the same centerline as the existing transmission line. The new switch structures will be single pole wood structures, one on each side of an existing tap structure to Milliron Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 280 feet in length to Milliron Substation during this Project's construction. The Project is located in Jackson Township, Richland County, Ohio.

Please feel free to call me with any question you have on making the Construction Notice application available to your patrons. My phone number is 330-761-4473.

Sincerely,



Nataliya Bryksenkova, Engineer
Energy Delivery
Transmission & Substation Design
FirstEnergy Service Company

Enclosure

**AMERICAN TRANSMISSION SYSTEMS,
INCORPORATED
A FIRSTENERGY COMPANY**

CONSTRUCTION NOTICE

**BROOKSIDE-LEASIDE 138 kV TRANSMISSION LINE
SWITCH STRUCTURE ADDITION**

OPSB CASE NO.: 18-1396-EL-BNR

January 18, 2019

RECEIVED-SOCKETING DIV

2019 JAN 22 PM 12:32

PUCO

**American Transmission Systems, Incorporated
76 South Main Street
Akron, Ohio 44308**

**CONSTRUCTION NOTICE
BROOKSIDE-LEASIDE 138 kV TRANSMISSION LINE
SWITCH STRUCTURE ADDITION PROJECT**

The following information is being provided in accordance with the procedures in the Ohio Administrative Code (“OAC”) Chapter 4906-6 for the application and review of Accelerated Certificate Applications. Based upon the requirements found in Appendix A to OAC Rule 4906-1-01, this Project qualifies for submittal to the Ohio Power Siting Board (“OPSB”) as a Construction Notice application.

4906-6-05: ACCELERATED APPLICATION REQUIREMENTS

4906-6-05: Name and Reference Number

Name of Project: Brookside-Leaside 138 kV Transmission Line Switch Structure Addition Project (“Project”).

4906-6-05 (B)(1): Brief Description of the Project

In this Project, American Transmission Systems, Incorporated (“ATSI”), a FirstEnergy company, proposes to add two (2) switch structures to the Brookside-Leaside 138 kV Transmission Line on the same centerline as the existing transmission line. The new switch structures will be single pole wood structures, one on each side of the existing tap structure to Milliron Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 280 feet in length to Milliron Substation during this Project’s construction.

The general location of the Project is shown in Exhibit 1, a partial copy of the United States Geologic Survey, Richland County OH, Quad Map. Exhibit 2 is a copy of ESRI aerial imagery of the Project area. The Project is located at approximately 2384 State Route 39, Jackson, OH 44903. The general layout is shown in Exhibit 3. The Project will be located in Jackson Township, Richland County Ohio.

4906-6-05 (B)(1): Construction Notice Requirement

The Project meets the requirements for a Construction Notice because the Project is within the types of projects defined by Item (2)(a) of the Application Requirement Matrix for Electric Power Transmission Lines, Appendix A of OAC Rule 4906-1-01. This item states:

(2) Adding new circuits on existing structures designed for multiple circuit use, replacing conductors on existing structures with larger or bundled conductors, adding structures to an existing line or replacing structures with a different type of structure, for a distance of:

(a) two miles or less

The proposed Project is within the requirements of Item (2)(a) as it involves adding two (2) wood poles, one on each side of the existing tap structure on the same centerline as the existing transmission line, and also one (1) temporary single circuit wood pole structure will be installed within the existing right-of-way.

4906-6-05 (B)(2): Need For the Project

The Project is needed to replace one (1) 2-way switch on the Brookside-Leaside 138 kV Transmission Line Tap to Milliron Substation. This will ensure reliability of the Brookside-Leaside 138 kV Transmission Line Tap to Milliron Substation and will bring the switches up to current FE standards. While in operation, a flashover occurred while opening switch A-92 near Milliron Tap. Due to this flashover, the switch has become inoperable and requires replacement per FirstEnergy EDPP ("Energy Delivery Planning and Protection"). With an inoperable switch at this location, there is no way to sectionalize the line to feed the customer without forcing an unplanned outage in the event of an emergency. While each new switch structure is being installed, the customer JRM Realty Ltd. has requested service to be provided through a temporary tap from Milliron Substation.

4906-6-05 (B)(3): Location of the Project Relative to Existing or Proposed Lines

The location of the Project relative to existing or proposed lines is shown in the ATSI Transmission Network Map, included as part of the confidential portion of the FirstEnergy Corp. 2018 Long-Term Forecast Report. This map was submitted to the PUCO in Case No. 18-0449-EL-FOR under Rule 4901:5-5:04 (C)(2)(b) of the Ohio Administrative Code. The map is incorporated by reference only. This map shows ATSI's 345 kV and 138 kV transmission lines and transmission substations including the Brookside-Leaside 138 kV Transmission Line. The Project area is located approximately 6 1/8 inches (11" x 17" printed version) from the left edge of the map and 4 7/8 inches (11" x 17" printed version) from the top of the map. The general location and layout of the Project area is shown in Exhibits 1 and 2.

The Project is not included in ATSI's LTFR filed in 2018 as it was not confirmed at the time of filing.

4906-6-05 (B)(4): Alternatives Considered

No alternatives to the design were considered.

4906-6-05 (B)(5): Public Information Program

ATSI's manager of External Affairs will advise local officials of the proposed Project as necessary.

4906-6-05 (B)(6): Construction Schedule

The construction schedule for this Project is expected to begin as early as February 25, 2019 and completed by March 24, 2019.

4906-6-05 (B)(7): Area Map

Exhibit 1 depicts the general location of the Project. This Exhibit provides a partial copy of the United States Geologic Survey, Richland County OH, Quad Map. Exhibit 2 is a copy of ESRI aerial imagery of the Project area.

4906-6-05 (B)(8): Property Owner List

The Project is located on an existing easement. No new right-of-way is required for the Project. Table 1 contains a list of property owners affected by the Project.

Table 1. List of Affected Property Owners

Parcel Number	Property Owner	Property Address	Easement Status
016-32-259-01-000	JRM Realty Ltd	2384 State Route 39, Jackson OH 44903	Previously Obtained

4906-6-05 (B)(9): TECHNICAL FEATURES OF THE PROJECT

4906-6-05 (B)(9)(a): Operating Characteristics

The transmission line construction will have the following characteristics:

Voltage: 138 kV
Conductors: 336.4 kcmil 30/7 ACSR (existing)
Static Wire: 7#8 Alumoweld (existing)
Insulators: Polymer
ROW Width: 60 feet
Structure Types: Exhibit 4: Single Circuit, Single Pole Wood Switch Structure,
Two (2) structures are needed.
Exhibit 5: Temporary single circuit wood pole structure. One (1)
structure is needed.

4906-6-05 (B)(9)(b): Electric and Magnetic Fields

There is one occupied residence or institution within 100 feet of the centerline of the proposed Project. The occupied residence or institution is approximately 75 feet from the proposed Project centerline. Therefore, Electric and Magnetic Field ("EMF") calculations are provided below. It should be noted that there is no change expected in any EMF due to the construction of the Project as compared to existing conditions.

4906-6-05 (B)(9)(b)(i): Calculated Electric and Magnetic Fields Strength Levels

Table 2 itemizes the line loading of the Brookside-Leaside 138 kV Transmission Line. The normal line loading represents FirstEnergy's peak system load for the transmission lines. The emergency line loading represents the maximum line loading under contingency operation. The winter rating is based on the continuous maximum conductor rating

(“MCR”) of the circuits for the single conductors per phase and an ambient temperature of 0 °C (32 °F), wind speed of 1.3 miles per hour, and a circuit design operating temperature of 100 °C (212 °F).

Table 2: Transmission Line Loading

Line Name	Normal Loading Amps	Emergency Loading Amps	Winter Rating Amps
Brookside-Leaside 138 kV Transmission Line	293.6	407.7	764

Table 3 provides an approximation of the magnetic and electric fields strengths of the Brookside-Leaside 138 kV Transmission Line for the structural configuration found in the Project. The configuration is tangent structure to tangent structure. All configurations are calculated in a 60-foot right-of-way. The calculations provide an approximation of the electric and magnetic fields levels based on specific assumptions utilizing the EPRI EMF Workstation 2015 program software. This program software assumes the input transmission line configuration is located on flat terrain. Also, a balanced, three-phase circuit loading is assumed for the transmission circuit. The model utilizes the normal, emergency, and winter rating of the transmission lines.

Table 3: Calculations for Brookside-Leaside 138 kV Transmission Line

Brookside-Leaside 138 kV Transmission Line, Tangent Structure to Tangent Structure		Electric Field (kV/m)	Magnetic Field (mG)
Normal Loading	Under Lowest Conductors	1.085	23.78
	At Right-of-Way Edges	0.259 / 0.535	12.66 / 17.45
Emergency Loading	Under Lowest Conductors	1.085	64.86
	At Right-of-Way Edges	0.259 / 0.535	34.66 / 48.12
Winter Rating	Under Lowest Conductors	1.085	61.06
	At Right-of-Way Edges	0.259 / 0.535	32.63 / 46.1

4906-6-05 (B)(9)(b)(ii): Alternative Design Consideration for Electric and Magnetic Fields

The strength of EMFs can potentially be reduced by installing the transmission line conductors in a compact configuration and, for multiple circuit transmission lines, by selecting conductor phasing that reduces the field strengths. ATSI designs its facilities

according to the requirements of the National Electrical Safety Code (“NESC”). The pole heights and configuration were chosen based on NESC specifications, engineering parameters, and cost. ATSI’s typical practice, as proposed in this Project, is to maintain the existing configuration of single circuit single pole tangent structures supported on horizontal post insulations in a vertical configuration – a compact design that reduces EMF field strengths in comparison to other installations. It should be noted that because the Project only involves installation of two new structures on the same centerline with no overall change in the location of the transmission line, the Project is not expected to change existing EMF strength.

4906-6-05 (B)(9)(c): Estimated Cost

The estimated capital cost for the proposed Project is approximately \$185,000.

4906-6-05 (B)(10): SOCIAL AND ECOLOGICAL IMPACTS

4906-6-05 (B)(10)(a): Land Uses

The Project is located in Jackson Township, Richland County Ohio. The main land use around the Project area is zoned as industrial. The Project is located in the existing right-of-way.

4906-6-05 (B)(10)(b): Agricultural Land

Agricultural land does not exist within the Project’s disturbance area.

4906-6-05 (B)(10)(c): Archaeological or Cultural Resources

As part of the investigation, a search of Ohio Historic Preservation Office (“OHPO”) online database was conducted to identify the existence of any significant archeological or cultural resource sites within 0.5 miles of the Project Area. A map of the results of the search is shown in Exhibit 6.

The OHPO database includes all Ohio listings on the National Register of Historic Places (“NRHP”), including districts, sites, building, structures, and objects that are significant in

American history, architecture, archeology, engineering, and culture. The results of the search indicate that no listed NRHP sites and no NRHP eligible sites were identified within 0.5 miles of the Project potential disturbance area.

The OHPO database also includes listing of the Ohio Archaeological Inventory (“OAI”), the Ohio Historic Inventory (“OHI”), previous cultural resource surveys, and the Ohio Genealogical Society (“OGS”) cemetery inventory. There is no OAI listed archeological resource that has been previously inventoried within 0.5 miles of the Project area. There are no listed structural resources located within 0.5 miles of the Project area. No previous cultural resource surveys were conducted within 0.5 miles of the Project area. No OSG cemeteries are located within 0.5 miles of the Project area.

4906-6-05 (B)(10)(d): Local, State, and Federal Requirements

There are no known government agency requirements and the filing status at the time of filing.

4906-6-05 (B)(10)(e): Endangered, Threatened, and Rare Species Investigation

Five (5) animal species and twelve (12) plant species designated by the State of Ohio as threatened or endangered and one (1) animal species listed as a species of concern are identified as potentially occurring in Richland County. The U.S. Fish and Wildlife Service lists three (3) animal species designated as federally threatened or endangered as potentially occurring in Richland County. The Project work limits will be contained to an area located along an existing maintained transmission line right-of way. This area consists of herbaceous vegetation, some scrub shrub vegetation, and grass that is routinely mowed. No trees are located within the Project area. The Project is not anticipated to adversely impact any of the listed species due to the continuously maintained nature of the Project area coupled with the permanent Project footprint being limited to two (2) wood pole structures.

4906-6-05 (B)(10)(f): Areas of Ecological Concern

The Project area is industrial and maintained. All work will be limited to the existing right-of-way. A wetland delineation was conducted at the Project area in October 2018 by TRC, a qualified wetlands consultant. One (1) emergent wetland was identified and subsequently delineated as shown in Exhibit 7. This wetland is not located within the vicinity of the permanent Project footprint and will be avoided during construction activities.

4906-6-05(B)(10)(g): Other Information

Construction and operation of the proposed Project will be in accordance with the requirements specified in the latest revision of the National Electric Safety Code as adopted by the PUCO and will meet all applicable safety standards established by the Occupational Safety and Health Administration.

No other or unusual conditions are expected that will result in significant environmental, social, health or safety impacts.

4906-6-07: Documentation of Construction Notice Transmittal and Availability for Public Review

This Construction Notice application is being provided concurrently with its docketing with the OPSB to the following officials in Jackson Township, Richland County, Ohio.

Richland County

Commissioner Marilyn John,
President
Richland County Commissioners
County Courthouse,
50 Park Avenue East
Mansfield, OH 44902

Commissioner Darrel Banks,
Richland County Commissioners
County Courthouse,
50 Park Avenue East
Mansfield, OH 44902

Commissioner Tony Vero,
Richland County Commissioners
County Courthouse,
50 Park Avenue East
Mansfield, OH 44902

Mr. Adam Gove, P.E., P.S.
Richland County Engineer
77 North Mulberry Street
Mansfield, OH 44902-1777

Ms. Jotika Shetty,
Executive Director
Richland County Regional Planning
Commission
35 North Park Street, Suite 230
Mansfield, OH 44902-1722

Jackson Township

Mr. Paul Carriere, Trustee
Jackson Township Hall
3761 Plymouth Springmill Road
Shelby OH 44875

Mr. Greg Vogt, Trustee
Jackson Township Hall
3761 Plymouth Springmill Road
Shelby OH 44875

Mr. Gaylord Rice, Trustee
Jackson Township Hall
3761 Plymouth Springmill Road
Shelby OH 44875

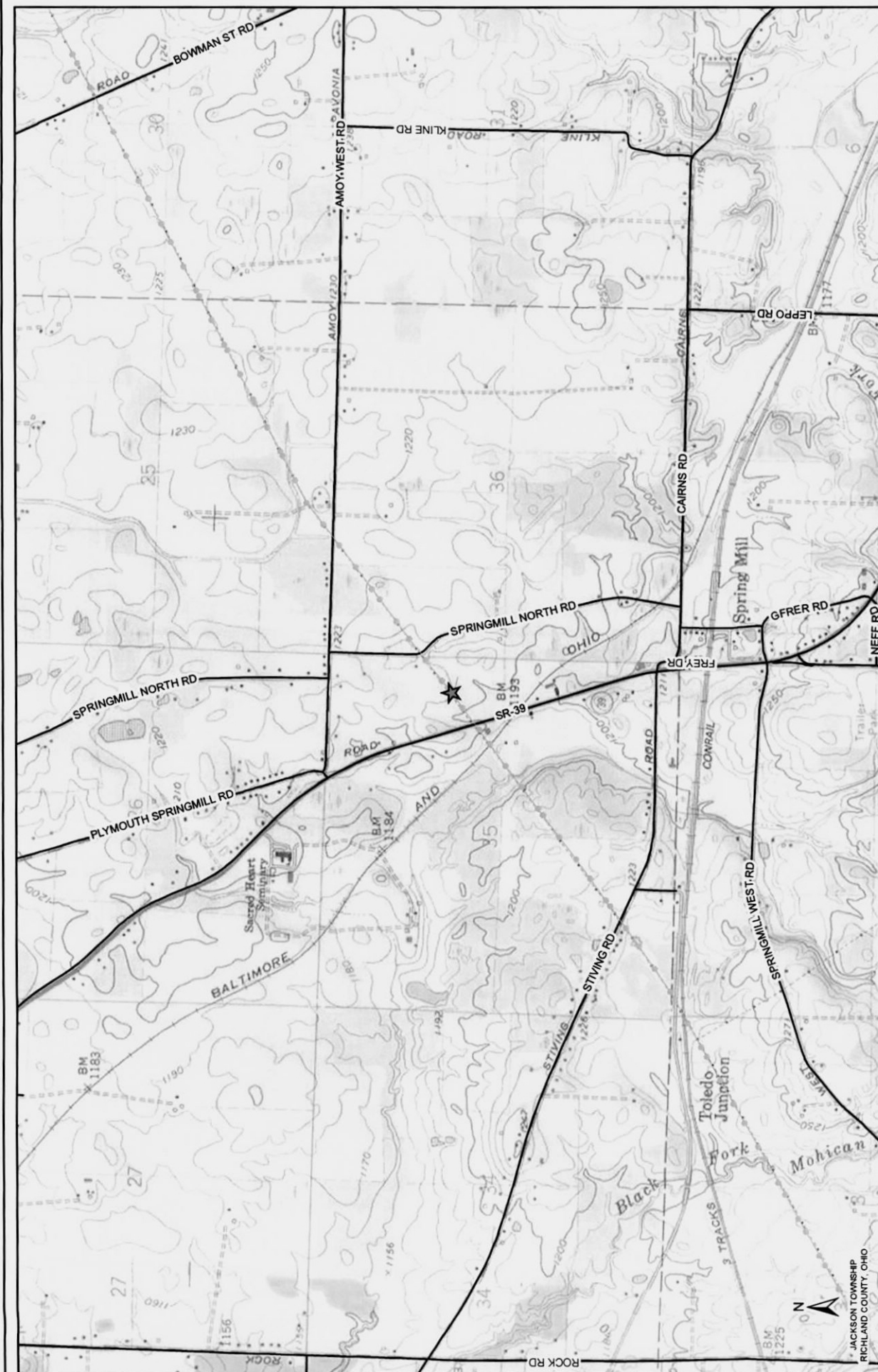
Ms. Amy Murray, Fiscal Officer
Jackson Township Hall
3761 Plymouth Springmill Road
Shelby OH 44875

Library

Ms. Ruth Wolf, Branch Manager
Ontario Branch Library
2221 Village Mall Drive
Mansfield, OH 44906

Copies of the transmittal letters to these officials have been included with the transmittal letter submitting this Construction Notice application to the OPSB and are being provided to meet the requirement of OAC Rule 4906-6-07 (B) to provide the OPSB with proof of compliance with the notice requirement to local officials in OAC Rule 4906-6-07 (A)(1) and to libraries in OAC Rule 4906-6-07 (A)(2).

Information is posted on www.firstenergycorp.com/about/transmission_project/ohio.html on how to request an electronic or paper copy of this Construction Notice application. The link to website is being provided to meet the requirement of OAC Rule 4906-6-07 (B) and to provide the OPSB with proof of compliance with the notice requirements in OAC Rule 4906-6-07 (A)(3).



Legend:

- ★ Project Location
- Brookside-Leaside 138 kV
- Road

Reference:
USGS Topographical Overlay

Coordinate System:
NAD 1983 StatePlane Ohio North FIPS 3401 Feet
Projection: Lambert Conformal Conic Units: Foot US

Scale:
0 1,000 2,000 4,000 Feet

Key Map not to Scale

EXHIBIT 1

ATSI®
American Transmission Systems, Inc.
a subsidiary of AmeriEnergy Corp.

Richland

Brookside-Leaside 138kV Switch Structures Addition (at Milliron Substation) Project



JACKSON TOWNSHIP
RICHLAND COUNTY, OHIO

Legend:

- ★ Project Location
- Brookside-Leaside 138 kV
- Road

Reference:
ESRI Aerial Overlay

Coordinate System:
NAD 1983 StatePlane Ohio North FIPS 3401 Feet
Projection: Lambert Conformal Conic, Unit: Foot US

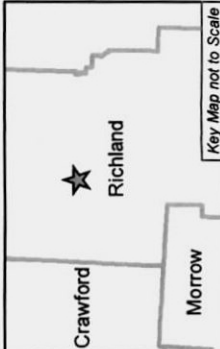
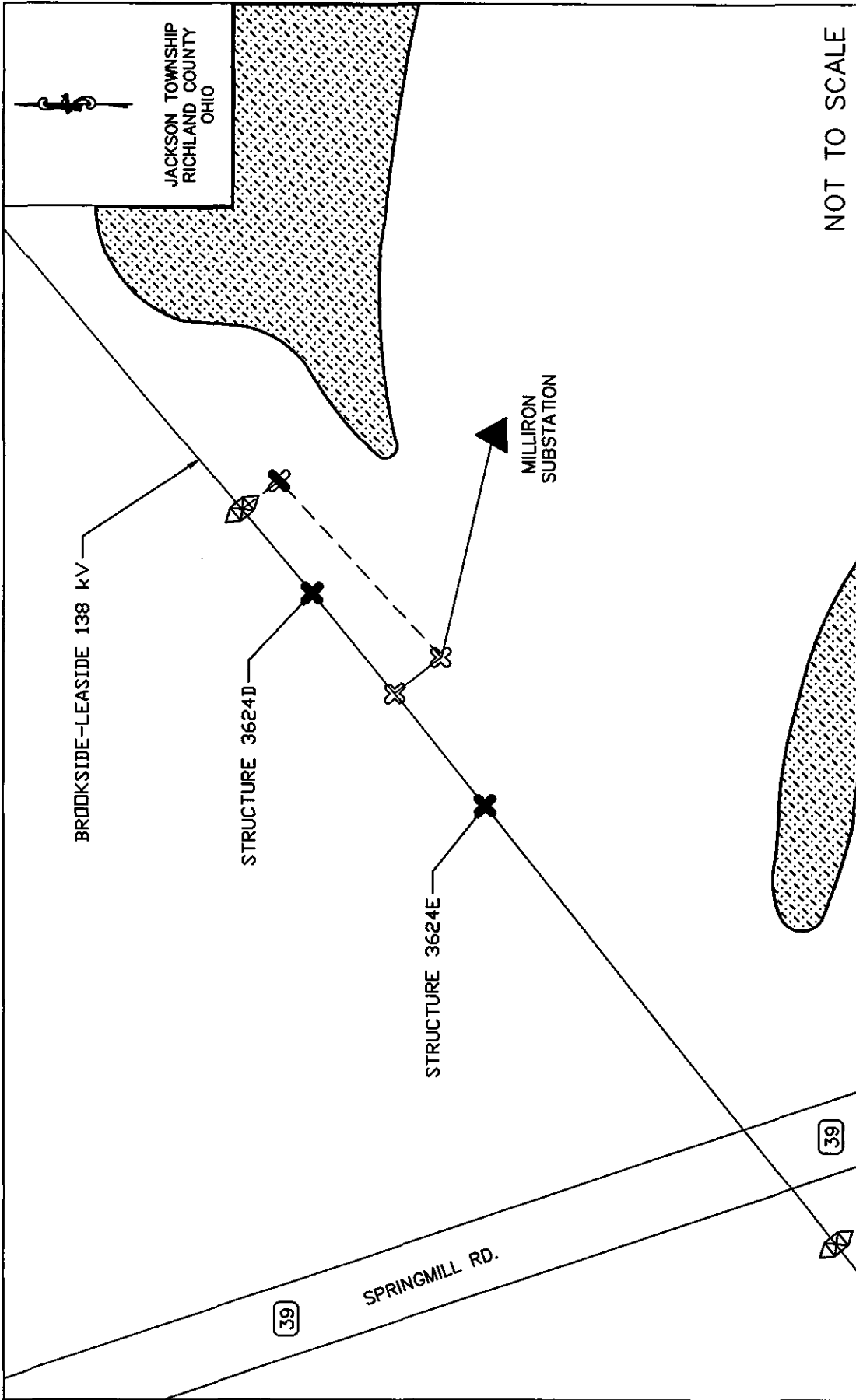


EXHIBIT 2

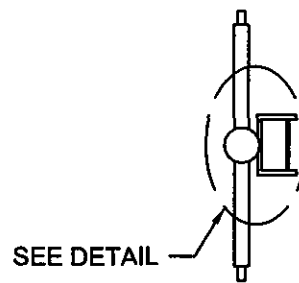
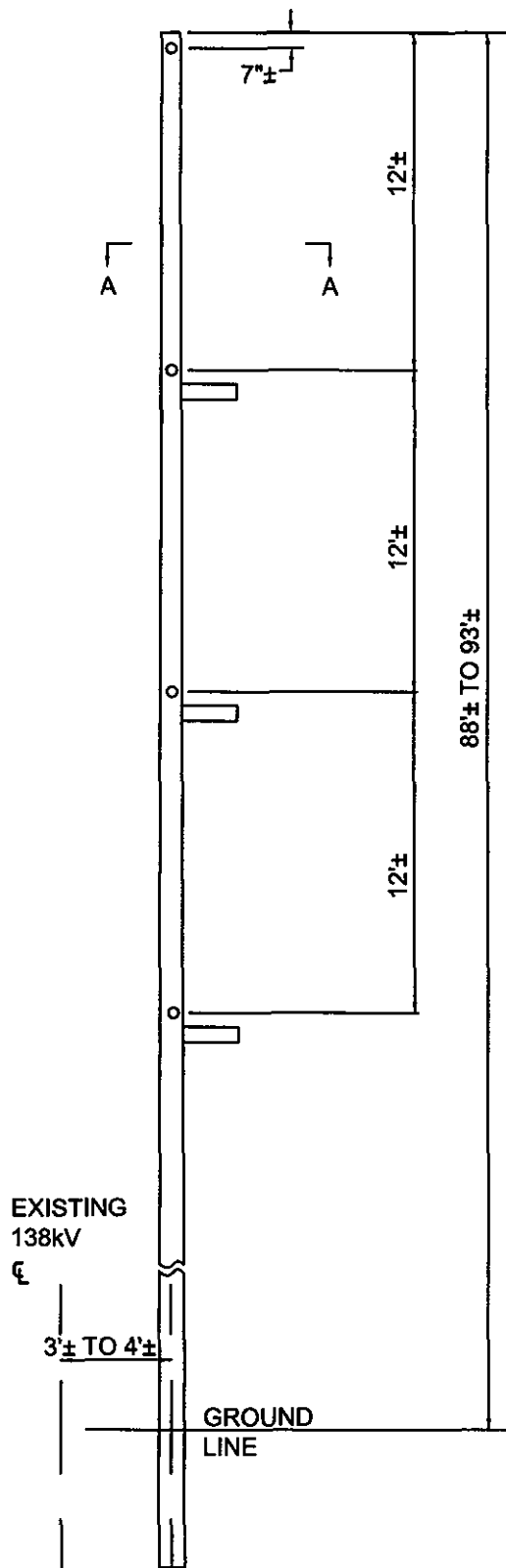
ATSI®
American Transmission Systems, Inc.
a subsidiary of Fluor Corp.

**Brookside-Leaside 138kV Switch Structures
Addition (at Milliron Substation) Project**

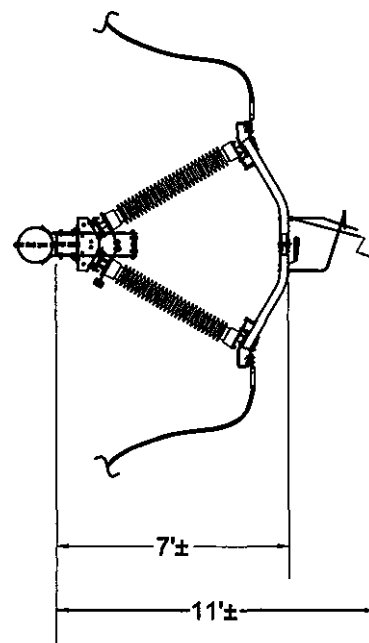


NOT TO SCALE

LEGEND		ATSI® <small>American Transmission Systems, Inc. A subsidiary of Fluor Corp.</small>		BROOKSIDE-LEASIDE 138 kV TRANSMISSION LINE SWITCH STRUCTURE ADDITION PROJECT	
	NEW SINGLE WOOD POLE SWITCH STRUCTURE		TEMPORARY 138 kV CONDUCTOR		
	TEMPORARY SINGLE WOOD POLE STRUCTURE		EXISTING CONDUCTOR		
	EXISTING WOOD POLE STRUCTURE		EXISTING SUBSTATION		
	EXISTING STEEL LATTICE STRUCTURE		EXISTING ROADS		
			EXISTING POND/LAKE		
				GENERAL LAYOUT	
				EXHIBIT 3	



SECTION A-A



DETAIL

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ATSI®

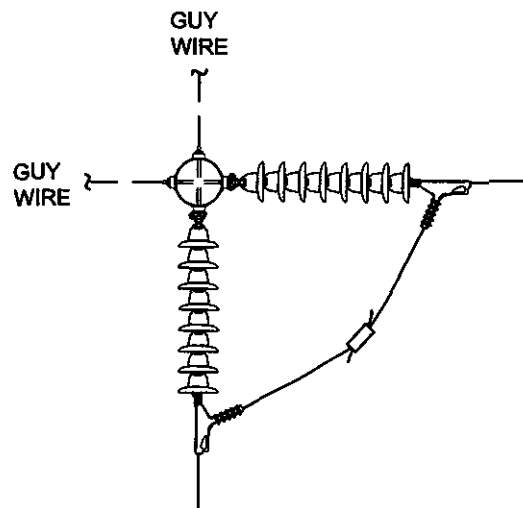
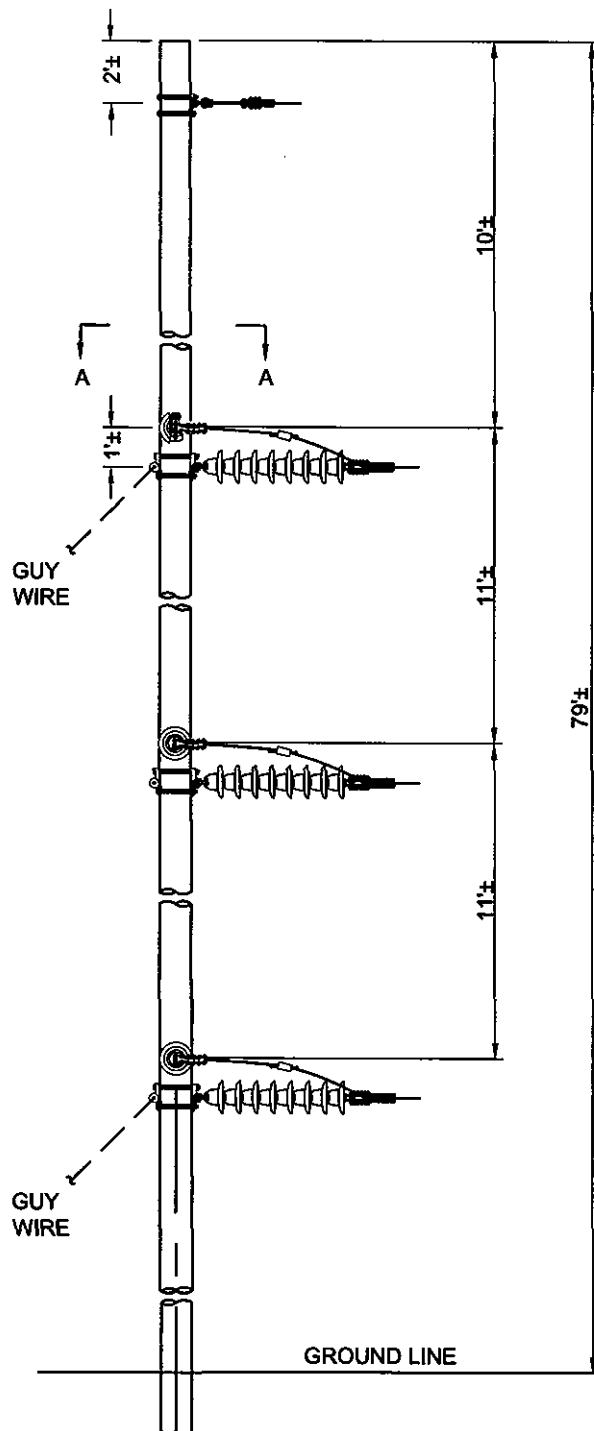
American Transmission Systems, Inc.
a subsidiary of FirstEnergy Corp.

BROOKSIDE-LEASIDE 138 kV
TRANSMISSION LINE

SWITCH STRUCTURE ADDITION PROJECT

SINGLE CIRCUIT, WOOD POLE
SWITCH STRUCTURE

EXHIBIT 4



SECTION A-A

NOT TO SCALE

ATSI®

American Transmission Systems, Inc.
a subsidiary of FirstEnergy Corp.

BROOKSIDE-LEASIDE 138 kV
TRANSMISSION LINE

SWITCH STRUCTURE ADDITION PROJECT

SINGLE CIRCUIT, WOOD POLE
TEMPORARY STRUCTURE

EXHIBIT 5



Legend

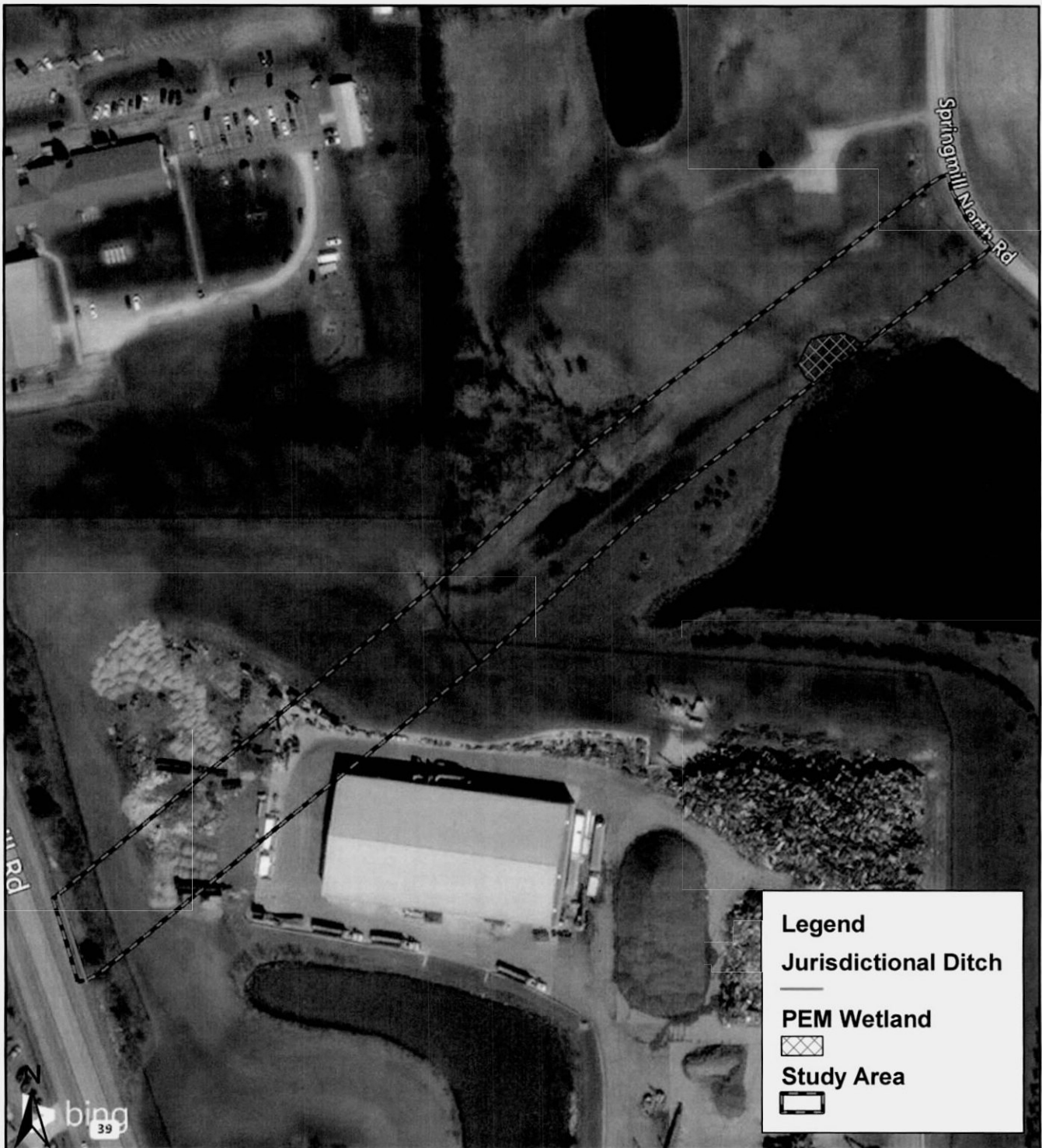
- NR Listings**
- Listed
 - National Historic Landmark
 - Delisted
- NR Determinations of Eligibility**
- Archaeological Sites
 - Historic Structures
 - Historic Bridges
 - Historic Tax Credit Projects
 - OGS Cemeteries
- Confident**
- Not Confident
- Dams**
- UTM Zone Split
 - NR Boundaries
 - OAI Site Boundaries
 - Phase 1
 - Phase 2
- Scale**
- 0 0.30 0.61 Miles
- 1: 24,000**


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This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

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 <p>1382 West Ninth Street, Suite 400 Cleveland, OH 44113 Phone: 216.344.3072 www.trcsolutions.com</p>	PROJECT: FIRSTENERGY CORPORATION 341 WHITE POND DRIVE, BUILDING B3 AKRON, OHIO 44320	DRAWN BY: JBW CHECKED BY: N/A APPROVED BY: N/A DATE: OCTOBER 2018 PROJ. NO.: 286577.0000.0000 FILE: Brookside-Leaside Fig2.mxd
	TITLE: BROOKSIDE-LEASIDE 138 kV TRANSMISSION LINE SWITCH STRUCTURE ADDITION	Figure 2-Site Features