

FILE



76 South Main Street
Akron, Ohio 44308

1-800-646-0400

January 12, 2017

Ms. Barcy F. McNeal
Docketing Division
The Public Utilities Commission of Ohio
180 East Broad Street
Columbus, OH 43215-3793

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Expansion
Case No. 16-2282-EL-BLN

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, is transmitting one (1) original and eleven (11) copies of the enclosed Letter of Notification application for the above captioned Project. ATSI is proposing to extend an approximately 1.8 mile Transmission Line loop from the existing Clark-Urbana 138 kV Transmission Line to the Broadview Substation.

The Project is located in Moorefield Township, Clark County, Ohio.

Please be advised of the following:

a) Name and address of the applicant:

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

b) Name of proposed facilities:

Clark-Urbana 138kV Loop to Broadview Substation Project.

c) Location of proposed facilities:

The Project is located in Moorefield Township, Clark County, Ohio.

d) Description of proposed facilities:

ATSI is proposing to extend a loop from the existing Clark-Urbana 138 kV Transmission Line to the existing Broadview Substation.

This is to certify that the images appearing here are an accurate and complete reproduction of a court file document delivered in the regular course of business.
Technician A Date Processed 1/13/16

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PUCO

The Clark-Urbana 138 kV Loop to Broadview Substation Project is one of three components of the Springfield Area 138 kV Reinforcement Project. The other components of the Springfield Area 138kV Reinforcement Project are the proposed East Springfield-Tangy 138 kV Loop to Broadview Substation Project, Case No. 16-1982-BTX, and the Broadview Substation Expansion, Case No. 16-1981-EL-BLN.

e) Applicant's representative:

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

After docketing this filing, please return one time-stamped copy of the Letter of Notification to us in the enclosed envelope. We have provided a copy of this Letter of Notification by certified mail, with return receipt requested, to officials of the political subdivisions immediately affected by the proposed project as listed in the attached Exhibit 1. Copies of the transmittal letters addressed to the local government representatives of Moorefield Township and Clark County are enclosed for your file.

Should the Ohio Power Siting Board desire further information or discussion of this submittal, please contact me at (330) 761-4473.

Sincerely,



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

Attachments

**Clark-Urbana 138 kV Loop to Broadview Substation Project
Case Number 16-2282-EL-BLN**

Date: January 11, 2017

**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 of the Clark-)
Urbana 138 kV Loop to Broadview)
Substation Project)
)
)
)

Case No. 16-2282-EL-BLN

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 Applicant in this case and I affirm that the Letter of Notification Application filed in this matter is true and accurate to the best of my information and belief.

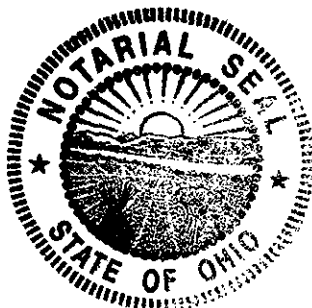


Nataliya Bryksenkova
FirstEnergy Service Company

State of Ohio)
)
County of Summit)

ss:

Sworn and subscribed before me this 11th day of January, 2017.



Notary Public
my commission expires
June 19, 2019

EXHIBIT 1
Officials Served Copy of Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Moorefield Township

Mr. Jack McKee
Trustee, Moorefield Township
1170 Montego Drive
Springfield, OH 45503

Mr. Joseph Mosier
Trustee, Moorefield Township
3223 Tamarack Avenue
Springfield, OH 45502

Mr. Daren Cotter
Trustee, Moorefield Township
4619 McCord Street
Springfield, OH 45503

Ms. Janet Dyer
Fiscal Officer, Moorefield
Township
1649 Merrydale Road
Springfield, OH 45503

Clark County

Ms. Melanie Flax Wilt
Clark County Commissioner
Clark County Administration
50 East Columbia Street
Springfield, OH 45501

Ms. Jennifer Hutchinson,
Clark County Administrator
Board of Clark County
Commissioners
50 East Columbia Street
Springfield, OH 45501

Mr. Lowell R. McGlothin
Clark County Commissioner
Clark County Administration
50 East Columbia Street
Springfield, OH 45501

Ms. Jo Anderson, Chairperson
Clark County Planning
Commission
50 East Columbia Street
Springfield, OH 45501

Mr. Richard Lohnes
Clark County Commissioner
Clark County Administration
50 East Columbia Street
Springfield, OH 45501

Mr. Johnathan A. Burr, P.E., P.S.
Clark County Engineer
4075 Laybourne Road
Springfield, OH 45505

Libraries

Ms. Sally Rizer, Director
Clark County Public Library
201 South Fountain Avenue
Springfield, OH 45506

Ms. Sally Rizer, Director
Clark County Public Library
Park Branch
1119 North Bechtle Avenue,
Springfield, OH 45504

January 12, 2017

Mr. Jack McKee
Trustee, Moorefield Township
1170 Montego Drive
Springfield, OH 45503

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Dear Mr. McKee,

American Transmission Systems, Inc. ("ATSI"), a FirstEnergy Company, is proposing to extend an approximately 1.8 mile Transmission Line loop from the existing Clark-Urbana 138 kV Transmission Line to the existing Broadview Substation. The Project is located in Moorefield Township, Clark County, Ohio.

This proposed Project is a major utility subject to the jurisdiction of the Ohio Power Siting Board ("Board"). In accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the Board's requirements for a Letter of Notification application. Therefore, in compliance with OAC Chapter 4906-6, ATSI has prepared and filed the attached LON application with the Board for its review and approval. The LON application contains a more detailed description of the Project, and is provided for your information.

The Clark-Urbana 138 kV Loop to Broadview Substation Project is one of three components of the Springfield Area 138 kV Reinforcement Project for which ATSI will seek Board approval. The other components of the Springfield Area 138 kV Reinforcement Project are the proposed East Springfield-Tangy 138 kV Loop to Broadview Substation Project, Case No. 16-1982-BTX, and the Broadview Substation Expansion, Case No. 16-1981-EL-BLN. ATSI will be filing applications with the Board in both of these other proceedings.

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 and Substation Design
FirstEnergy Service Company

Attachment

January 12, 2017

Mr. Daren Cotter
Trustee, Moorefield Township
4619 McCord Street
Springfield, OH 45503

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN N

Dear Mr. Cotter,

American Transmission Systems, Inc. ("ATSI"), a FirstEnergy Company, is proposing to extend an approximately 1.8 mile Transmission Line loop from the existing Clark-Urbana 138 kV Transmission Line to the existing Broadview Substation. The Project is located in Moorefield Township, Clark County, Ohio.

This proposed Project is a major utility subject to the jurisdiction of the Ohio Power Siting Board ("Board"). In accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the Board's requirements for a Letter of Notification application. Therefore, in compliance with OAC Chapter 4906-6, ATSI has prepared and filed the attached LON application with the Board for its review and approval. The LON application contains a more detailed description of the Project, and is provided for your information.

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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 and Substation Design
FirstEnergy Service Company

Attachment

January 12, 2017

Mr. Joseph Mosier
Trustee, Moorefield Township
3223 Tamarack Avenue
Springfield, OH 45502

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Dear Mr. Mosier,

American Transmission Systems, Inc. ("ATSI"), a FirstEnergy Company, is proposing to extend an approximately 1.8 mile Transmission Line loop from the existing Clark-Urbana 138 kV Transmission Line to the existing Broadview Substation. The Project is located in Moorefield Township, Clark County, Ohio.

This proposed Project is a major utility subject to the jurisdiction of the Ohio Power Siting Board ("Board"). In accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the Board's requirements for a Letter of Notification application. Therefore, in compliance with OAC Chapter 4906-6, ATSI has prepared and filed the attached LON application with the Board for its review and approval. The LON application contains a more detailed description of the Project, and is provided for your information.

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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 and Substation Design
FirstEnergy Service Company

Attachment

January 12, 2017

Ms. Janet Dyer
Fiscal Officer, Moorefield Township
1649 Merrydale Road
Springfield, OH 45503

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Dear Mr. Dyer,

American Transmission Systems, Inc. ("ATSI"), a FirstEnergy Company, is proposing to extend an approximately 1.8 mile Transmission Line loop from the existing Clark-Urbana 138 kV Transmission Line to the existing Broadview Substation. The Project is located in Moorefield Township, Clark County, Ohio.

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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 and Substation Design
FirstEnergy Service Company

Attachment

January 12, 2017

Ms. Melanie Flax Wilt
Clark County Commissioner
Clark County Administration
50 East Columbia Street
Springfield, OH 45501

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Dear Commissioner Wilt,

American Transmission Systems, Inc. ("ATSI"), a FirstEnergy Company, is proposing to extend an approximately 1.8 mile Transmission Line loop from the existing Clark-Urbana 138 kV Transmission Line to the existing Broadview Substation. The Project is located in Moorefield Township, Clark County, Ohio.

This proposed Project is a major utility subject to the jurisdiction of the Ohio Power Siting Board ("Board"). In accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the Board's requirements for a Letter of Notification application. Therefore, in compliance with OAC Chapter 4906-6, ATSI has prepared and filed the attached LON application with the Board for its review and approval. The LON application contains a more detailed description of the Project, and is provided for your information.

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

Sincerely,



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

Attachment

January 12, 2017

Mr. Lowell R. McGlothlin
Clark County Commissioner
Clark County Administration
50 East Columbia Street
Springfield, OH 45501

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Dear Commissioner McGlothlin,

American Transmission Systems, Inc. ("ATSI"), a FirstEnergy Company, is proposing to extend an approximately 1.8 mile Transmission Line loop from the existing Clark-Urbana 138 kV Transmission Line to the existing Broadview Substation. The Project is located in Moorefield Township, Clark County, Ohio.

This proposed Project is a major utility subject to the jurisdiction of the Ohio Power Siting Board ("Board"). In accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the Board's requirements for a Letter of Notification application. Therefore, in compliance with OAC Chapter 4906-6, ATSI has prepared and filed the attached LON application with the Board for its review and approval. The LON application contains a more detailed description of the Project, and is provided for your information.

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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 and Substation Design
FirstEnergy Service Company

Attachment

January 12, 2017

Mr. Richard Lohnes
Clark County Commissioner
Clark County Administration
50 East Columbia Street
Springfield, OH 45501

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Dear Commissioner Lohnes,

American Transmission Systems, Inc. ("ATSI"), a FirstEnergy Company, is proposing to extend an approximately 1.8 mile Transmission Line loop from the existing Clark-Urbana 138 kV Transmission Line to the existing Broadview Substation. The Project is located in Moorefield Township, Clark County, Ohio.

This proposed Project is a major utility subject to the jurisdiction of the Ohio Power Siting Board ("Board"). In accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the Board's requirements for a Letter of Notification application. Therefore, in compliance with OAC Chapter 4906-6, ATSI has prepared and filed the attached LON application with the Board for its review and approval. The LON application contains a more detailed description of the Project, and is provided for your information.

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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 and Substation Design
FirstEnergy Service Company

Attachment

January 12, 2017

Ms. Jennifer Hutchinson,
Clark County Administrator
Board of Clark County Commissioners
50 East Columbia Street
Springfield, OH 45501

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Dear Ms. Hutchinson,

American Transmission Systems, Inc. ("ATSI"), a FirstEnergy Company, is proposing to extend an approximately 1.8 mile Transmission Line loop from the existing Clark-Urbana 138 kV Transmission Line to the existing Broadview Substation. The Project is located in Moorefield Township, Clark County, Ohio.

This proposed Project is a major utility subject to the jurisdiction of the Ohio Power Siting Board ("Board"). In accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the Board's requirements for a Letter of Notification application. Therefore, in compliance with OAC Chapter 4906-6, ATSI has prepared and filed the attached LON application with the Board for its review and approval. The LON application contains a more detailed description of the Project, and is provided for your information.

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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 and Substation Design
FirstEnergy Service Company

Attachment

January 12, 2017

Ms. Jo Anderson, Chairperson
Clark County Planning Commission
50 East Columbia Street
Springfield, OH 45501

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Dear Ms. Anderson,

American Transmission Systems, Inc. ("ATSI"), a FirstEnergy Company, is proposing to extend an approximately 1.8 mile Transmission Line loop from the existing Clark-Urbana 138 kV Transmission Line to the existing Broadview Substation. The Project is located in Moorefield Township, Clark County, Ohio.

This proposed Project is a major utility subject to the jurisdiction of the Ohio Power Siting Board ("Board"). In accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the Board's requirements for a Letter of Notification application. Therefore, in compliance with OAC Chapter 4906-6, ATSI has prepared and filed the attached LON application with the Board for its review and approval. The LON application contains a more detailed description of the Project, and is provided for your information.

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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 and Substation Design
FirstEnergy Service Company

Attachment

January 12, 2017

Mr. Johnathan A. Burr, P.E., P.S.
Clark County Engineer
4075 Laybourne Road
Springfield, OH 45505

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Dear Mr. Burr,

American Transmission Systems, Inc. ("ATSI"), a FirstEnergy Company, is proposing to extend an approximately 1.8 mile Transmission Line loop from the existing Clark-Urbana 138 kV Transmission Line to the existing Broadview Substation. The Project is located in Moorefield Township, Clark County, Ohio.

This proposed Project is a major utility subject to the jurisdiction of the Ohio Power Siting Board ("Board"). In accordance with Ohio Administrative Code ("OAC") Rule 4906-1-01, this Project falls within the Board's requirements for a Letter of Notification application. Therefore, in compliance with OAC Chapter 4906-6, ATSI has prepared and filed the attached LON application with the Board for its review and approval. The LON application contains a more detailed description of the Project, and is provided for your information.

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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 and Substation Design
FirstEnergy Service Company

Attachment

January 12, 2017

Ms. Sally Rizer, Director
Clark County Public Library
Park Branch
1119 North Bechtle Avenue,
Springfield, OH 45504

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Dear Ms. Rizer,

Enclosed please find one copy of the Letter of Notification ("LON") Application of American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, for the Clark-Urbana 138 kV Loop to Broadview Substation Project ("Project") that has been filed with the Ohio Power Siting Board ("Board"). Please make the LON application available for public reference in the Park Branch of Clark County Public Library. We are providing a copy of the LON application for placement in your library as a convenience to the community and in accordance with the Ohio Administrative Code ("OAC") Rule 4906-6-07(A)(2), which requires the placement of applications for major utilities in the main public libraries of the political subdivisions in which any portion of the Project is to be located.

The Project proposes to extend an approximately 1.8 mile loop from the existing Clark-Urbana 138 kV Transmission Line to the Broadview Substation. The Project is located in Moorefield Township, Clark County, Ohio.

The Clark-Urbana 138 kV Loop to Broadview Substation Project is one of three components of the Springfield Area 138 kV Reinforcement Project for which ATSI will seek Board approval. The other components of the Springfield Area 138 kV Reinforcement Project are the proposed East Springfield-Tangy 138 kV Loop to Broadview Substation Project, Case No. 16-1982-BTX, and the Broadview Substation Expansion, Case No. 16-1981-EL-BLN. Applications for these other projects will also be filed with the Board.

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

Sincerely,



Nataliya Bryksenova
Engineer IV
Energy Delivery
Transmission and Substation Design
FirstEnergy Service Company

Enclosure

January 12, 2017

Ms. Sally Rizer, Director
Clark County Public Library
201 South Fountain Avenue
Springfield, OH 45506

Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Dear Ms. Rizer,

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

Sincerely,



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

Enclosure

Exhibit 2
Property Owners Served Notice Letters on the Letter of Notification
Clark-Urbana 138 kV Loop to Broadview Substation Project
Case No. 16-2282-EL-BLN

Property Owner(s) & Address	Parcel Number(s)
Mershon Troy & Ashley 1490 Willow Rd, Springfield, OH 45502	2200300023000131
Carlson Cristen H. & James D. 286 Willow Rd, Springfield, OH 45502	2200300029000030
ATC Leasing Company 6140 Urbana Rd, Springfield, OH 45502	2200300035000023
Coffelt Dwight W. & Elizabeth J. 6050 Urbana Rd, Springfield, OH 45502	2200300035000024
Navistar Inc. 5975 Urbana Rd, Springfield, OH 45502	2200300035000044
Navistar Inc. 6125 Urbana Rd, Springfield, OH 45502	2200300035000040
West Central Ohio Port Authority County Line Rd, Springfield, OH 45502	23003000350001042
West Central Ohio Port Authority Urbana Rd Rear, Springfield, OH 45502	22003000330001055
Gainer Seed Farm Inc. 645 W County Line Rd, Springfield, OH 45502	2300300035100050
Kalweit Suzanne Fachon Willow Rd, Springfield, OH 45502	2200300029000016
Ohio Edison Company 1490 Willow Rd, Springfield, OH 45502	2200300023600001

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

LETTER OF NOTIFICATION

**CLARK-URBANA 138 kV LOOP
TO BROADVIEW SUBSTATION
PROJECT**

OPSB CASE NO.: 16-2282-EL-BLN

January 12, 2017

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

**LETTER OF NOTIFICATION
CLARK-URBANA 138 kV LOOP TO BROADVIEW SUBSTATION PROJECT**

The following information is being provided in accordance with the requirements in the Ohio Administrative Code (OAC) Chapter 4906-6 for the 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 (Board) as a Letter of Notification application.

4906-6-05: ACCELERATED APPLICATION REQUIREMENTS

4906-6-05: Name and Reference Number

Name of Project: Clark-Urbana 138 kV Loop to Broadview Substation Project (Project)

2015 LTFR Reference: This Project is identified in the FirstEnergy Corp. 2015 Long Term Forecast Report submitted to the Public Utility Commission of Ohio (PUCO) in Case Number 15-0649-EL-FOR and can be found on page 125.

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

American Transmission Systems, Incorporated (ATSI), a FirstEnergy company, proposes to construct a new 138 kilovolt (kV) transmission line in Moorefield Township in Clark County, Ohio. The new transmission line will connect an existing FirstEnergy 138 kV Transmission Line to the existing Broadview substation. The Project will be 1.8 miles long, and is proposed to be a double-circuit line, supported on wood poles, and will require a new 60-foot-wide permanent right-of-way (ROW).

The general location of the proposed Project is shown in Exhibits 1 and 2. Exhibit 1 is a partial copy of the U.S. Geologic Survey quadrangle map for Clark County, Ohio (Order ID number 40083-A7). Exhibit 2 provides a copy of aerial imagery from the National Agricultural Imagery Program. The general layout of the proposed Project is shown in Exhibit 3. The Project is located 2 miles north of the city of Springfield, Ohio. The Project begins at the proposed expansion of the Broadview Substation, located about

1 mile east of the intersection of State Route (SR) 72 and Willow Road and continues

west, crossing over SR 72 and railroad tracks before connecting to an existing 138 kV electric transmission line.

4906-6-05 (B)(1): Letter of Notification Requirements

The Project meets the requirements for a Letter of Notification because the Project is within the types of projects defined by Item (1)(b) of the Application Requirement Matrix for Electric Power Transmission Lines, Appendix A of OAC Rule 4906-1-01. These items state:

- (1) New construction, extension, or relocation of single or multiple circuit electric power transmission line(s), or upgrading existing transmission or distribution line(s) for operation at a higher transmission voltage, as follows:*
 - (b) Line(s) greater than 0.2 miles in length, but not greater than two miles in length.*

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

FirstEnergy established the Energizing the Future initiative which includes a \$4.2 billion investment to upgrade and strengthen the transmission grid to meet the current and future demands of FirstEnergy's customers and communities. As part of this initiative, FirstEnergy identified the Springfield Area 138 kV Reinforcement Project as being necessary to upgrade and strengthen the electric transmission grid in Clark County. The proposed Project is part of this larger reinforcement project. In addition to this Project, the Springfield Area 138 kV Reinforcement Project includes expanding the Broadview Substation into a 138/69 kV substation with six new 138 kV breakers, two new 138/69 kV transformers along with two new 69 kV line exits. The expansion and upgrade of the Broadview Substation will be considered by the Board in a separate proceeding in Case No. 16-1981-EL-BLN. In addition, the Springfield Area 138kV Reinforcement Project includes an additional transmission loop to the expanded Broadview Substation, the East Springfield-Tangy 138kV Loop to the Broadview Substation Project, Case No. 16-1982-EL-BTX.

Overall, this reinforcement project will reduce area load loss under contingency conditions, improve area voltage stability, allow for future load growth, and will help ensure safe and reliable service to the area.

The Project discussed in this Letter of Notification application will loop the existing Clark-Urbana 138 kV Transmission Line into the existing Broadview 69 kV substation through a new 1.8-mile long double circuit line extension to the expanded Broadview 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 transmission lines is shown in the ATSI Transmission Network Map, included as part of the confidential portion of the FirstEnergy Corp 2015 Long Term Forecast Report. This map was submitted to the PUCO in Case No. 15-0649-EL-FOR under OAC Rule 4901:5-5:04 (C). This map is incorporated by reference only. This map shows ATSI's 345 kV and 138 kV transmission lines and transmission substations including the Clark-Urbana and East Springfield-Tangy 138 kV Transmission Lines and the Broadview Substation. The Project area is located approximately 3.5 inches (11-inch by 17-inch printed version) from the left edge of the map and 1.5 inches (11-inch by 17-inch printed version) from the bottom of the map within the Long Term Forecast Report. The general location of the Project is shown in Exhibits 1 and 2 attached to this notification. The Project layout is shown in Exhibit 3.

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

ATSI, with the support of CH2M HILL Engineers, Inc. (CH2M), conducted a detailed route selection study within an area of north-central Clark County between the Broadview Substation and the existing Clark-Urbana 138 kV Transmission Line. Route segments were placed based on high-resolution aerial photographs and detailed constraint and attribute data. A total of 20 route alternatives were identified.

Detailed land use, ecological, technical, and cultural data for the Project area was collected. Using this data, the siting team developed a set of evaluation criteria to

compare the routes. The data collected and used to evaluate and compare the routes was chosen based on its relevance to siting a transmission line. The evaluation criteria included both attribute and constraint data. Attribute data represents possible features that would be favorable for the development of an electric transmission line (i.e. paralleling existing utility infrastructure), whereas, constraint data correspond to areas that would limit the development of an electric transmission line (i.e. residential areas).

The route selected for this Project was chosen by the Applicant based on a multi-variable analysis of factors including socioeconomic impacts (no residences within 100 feet, the fewest number of residences within 1,000 feet, and the fewest properties within the ROW) and ecological impacts (no national wetland inventory within the ROW and the least amount of woodlot clearing within the ROW). Numerous route alternatives and segments were considered in this analysis which ultimately resulted in the selection of the proposed route.

It should also be noted that the original route evaluation process for this Project included routes that were longer than 2.0 miles and would have therefore required submittal to the Board as a Standard Certificate application. However, after completing additional review of potential routes, conducting a public information meeting, and consulting with property owners along the various routes under consideration, Applicant determined that a shorter route represented the route with the fewest impacts. The shorter and proposed route also meets the requests of a majority of the impacted landowners. By reducing the length of the proposed transmission line, Applicant was able to reduce overall impacts and qualify for submittal of this Project under the Letter of Notification application rules. The proposed route for the Project represents the culmination of a detailed assessment of routing options as well as comprehensive discussions with local property owners. Applicant believes that the combination of detailed review of the various factors considered and its consultation with local property owners has resulted in the identification of a route with fewer overall impacts than originally anticipated. Applicant's solicitation of public input, as well as the willingness of the local property owners to provide meaningful comments during the route selection process has resulted in a route that the Applicant believes represents the minimum adverse environmental

impact, taking into account all relevant factors, and which, it hopes, minimizes the impacts to property owners.

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

ATSI has engaged in an extensive program to communicate Project details to, and seek feedback from, residents, local elected officials, and the media. As part of this program, ATSI hosted two public information meetings (open house forum) in the Project area to solicit feedback from the community. Prior to the public information meetings, ATSI mailed invitation letters to residents, tenants, and officials, and issued a newspaper public notice and news release. The first public information meeting was held on May 25, 2016 at the Moorefield Township Center in Springfield, Ohio. Fifty-two people attended the initial public information meeting. The second public information meeting was held on October 26, 2016 at the North Ridge Middle School in Springfield, Ohio. Sixty people attended the second public information meeting. Detailed maps of the proposed route as well as various alternatives were presented during the public information meetings. Property boundaries were also indicated on the maps with the unique parcel identification numbers referenced to an ownership spreadsheet. Digital mapping was presented at computer stations, so that property owners could identify their property on aerial photographs and observe their property in relation to the proposed routes.

A Project website was also created with a summary of the Project. At the meetings, ATSI representatives were available to answer questions, and receive feedback from the public to incorporate into the siting process.

ATSI will maintain the Project website and will continue to work with property owners concerning the proposed Project.

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

Construction on the Project is expected to begin on approximately June 15, 2018 and is expected to be completed and placed in-service by November 15, 2018.

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

Exhibits 1 and 2 depict the general location of the Project. Exhibit 1 provides a partial copy of the U.S. Geologic Survey, Clark County, Ohio, quadrangle map (Quad Order ID number 40083-A7). Exhibit 2 provides a copy of aerial imagery.

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

The Project is primarily located on property that ATSI does not own. The following table of property owners and addresses include the tract owned by ATSI as well as tracts not owned by ATSI where property rights will need to be acquired.

Table 1. List of Affected Property Owners

Parcel Number	Property Owner	Property Address	Easement Status
2200300023000131	Mershon Troy & Ashley	1490 Willow Rd, Springfield, OH 45502	Not yet acquired
2200300029000030	Carlson Cristen H. & James D.	286 Willow Rd, Springfield, OH 45502	Not yet acquired
2200300035000023	ATC Leasing Company	6140 Urbana Rd, Springfield, OH 45502	Not yet acquired
2200300035000024	Coffelt Dwight W. & Elizabeth J.	6050 Urbana Rd, Springfield, OH 45502	Not yet acquired
2200300035000044	Navistar Inc.	5975 Urbana Rd, Springfield, OH 45502	Not yet acquired
23003000350001042	West Central Ohio Port Authority	County Line Rd, Springfield, OH 45502	Not yet acquired
2300300035100050	Gainer Seed Farm Inc.	645 W County Line Rd, Springfield, OH 45502	Not yet acquired
2200300029000016	Kalweit Suzanne Fachon	Willow Rd, Springfield, OH 45502	Not yet acquired
2200300023600001	Ohio Edison Company	1490 Willow Rd, Springfield, OH 45502	Previously obtained
22003000330001055	West Central Ohio Port Authority	Urbana Rd Rear, Springfield, OH 45502	Not yet acquired
2200300035000040	Navistar Inc.	6125 Urbana Rd, Springfield, OH 45502	Not yet acquired

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

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

The 138 kV transmission line construction will have the following characteristics:

Voltage: 138 kV

Conductors: 795 kcmil 26/7 ACSR

Static Wire: 7#8 Alumoweld
Optical Ground Wire (OPGW)
Insulators: 138 kV Polymer
Structure Types: Single Wood Pole Double Circuit Tangent Structure (Exhibit 4)
Two Wood Pole Double Circuit Light Angle Structure (Exhibit 5)
Two Wood Pole Double Circuit Angle Structure (Exhibit 6)
Two Wood Pole Double Circuit Deadened Structure (Exhibit 7)
Single Steel Pole Double Circuit Deadend Structure (Exhibit 8)

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

The closest occupied residence or institution is approximately 400 feet from the transmission line centerline. As these distances are greater than the 100 feet, electric and magnetic field (EMF) calculations have not been made.

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

The estimated capital cost for the proposed Project is approximately \$5,650,000.

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

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

The Project is located in Moorefield Township, Clark County, Ohio. The main land uses around the Project area consist of agriculture, industrial, open land, residential, transportation (roadways and railways), and woodlots.

The potential disturbance area during construction activities (e.g., vegetation clearing, pole installations, etc.) is limited to the 60-foot wide permanent ROW. The ROW will be restored through soil grading, seeding, and mulching; thus the permanent impact to the ROW will be limited to the removal of existing trees and other vegetation. Property owners may continue to utilize most of the ROW area for general uses that will not affect

the safe and reliable operation of the transmission line such as lawn maintenance, crop cultivation, and livestock.

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

Agricultural land is located near the existing Broadview Substation. The potential impacts of the Project on agricultural land use include potential damage to crops that may be present, disturbance of underground field drainage systems, compaction of soils, and potential for temporary reduction of crop productivity. Agricultural land used for crop cultivation within the Preferred Route ROW is estimated at 1.1 acres and other agricultural pastureland or other open land comprises 3.3 acres.

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

A search of Ohio Historic Preservation Office (OHPO) online mapping database was conducted in October 2016 to locate previously recorded cultural resources and surveys within or near the Project. A 1-mile (1.6-kilometer [km]) buffer was used to identify these previously recorded cultural resources and to provide information on the probability of identifying cultural resources within the Project Area of Potential Effect (APE). A map of the results of the search are shown in Exhibit 9. 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 there are no listed NRHP-listed or eligible properties within 1 mile (1.6 km) of the Project.

The OHPO database also includes a listing of the Ohio Archaeological Inventory (OAI), the Ohio Historic Inventory (OHI), previous cultural resource surveys, and the Ohio Genealogical Society (OGS) cemetery inventory. Within 1 mile (1.6 km) of the Project, there were no Ohio Archaeological Inventory (OAI) sites, no OHI resources, and two cemeteries (Table 1). None of these cultural resources were within the APE. The closest of these resources are the Dear and County Line Cemeteries (OGSID #1691 and #14479,

respectively), which were documented approximately 0.8 mile (1.3 km) northwest of the Project (see Table 2).

The two previously identified cemeteries, located at the intersection of West County Line Road and River Road, just off an exit ramp from US Route 68, appear to actually be a single cemetery that has been recorded twice under different names. This small family cemetery is surrounded by a chain link fence, immediately adjacent to the roadway.

TABLE 2
Previously Recorded Cemeteries

OGSID	Cemetery Name	Number of Interments	Date	NRHP Status	Comments
1691	Dear	39	1848-1964	Not Recorded	Located off US 68 exit ramp
14479	County Line	No Information	No Information	Not Recorded	OHPO mapping and aerial photography suggest this is the same as the Dear Cemetery

Five cultural resources surveys were identified within 1 mile (1.6 km) of the Project area, with two being located in neighboring Champaign County. These include a 1983 survey of a proposed industrial park (Riordan and Villars, 1983); a 1996 survey for the Ohio Department of Transportation's expansion of US Route 68 (Baker, 1996); a 1997 survey for additional corridor expansion of US Route 68 (Mustain and Young, 1997); a 2006 survey of a proposed cell tower location (Harper, 2006); and a 2009 survey of a proposed cell tower location (Keener, 2009). Three of the five surveys are far removed from the Project area, nearly at the 1-mile (1.6-km) radius limit. The two surveys for proposed cell towers are the closest to the Project, located 0.25 mile (0.4 km) and 0.48 mile (0.77 km) from the proposed route, along Urbana Road. The surveys included pedestrian survey and shovel testing. Only the surveys conducted in Champaign County identified any cultural materials or sites. The sites identified as part of the Champaign County surveys consisted primarily of lithic find spots and small lithic scatters and were largely recommended not significant, with no further work required.

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

Project activities may temporarily affect wetland areas and streams located on the Project site; however, ATSI anticipates that all impacts can be permitted through the U.S. Army Corps of Engineers (USACE) Nationwide Permit program (Nationwide Permit 12) and the companion Ohio Environmental Protection Agency (OEPA) 401 Water Quality Certification.

The Project is likely to require the development of a Storm Water Pollution Prevention Plan because there is the potential to disturb more than 1 acre of land during construction. This plan will be developed in accordance with the OEPA National Pollution Discharge Elimination System (NPDES) General Permit OCH000004 – Stormwater Discharges Associated with Construction Activity (General Permit). As the Project disturbs more than 1 acre of land, submittal of a Notice of Intent to the OEPA is required for coverage under the General Permit. Consultation with appropriate county officials will be conducted during the development of the SWPPP to ensure compliance with any county regulations.

There are no additional known local, state, or federal requirements that must be met prior to commencement of construction on the proposed transmission line Project.

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

On behalf of ATSI, CH2M conducted a rare species habitat assessment within the Project area, which includes all of the areas affected by the new transmission line and new structures proposed in this application.

CH2M submitted an Ohio Biodiversity Request to the Ohio Department of Natural Resources (ODNR) Division of Wildlife on March 3, 2016, for information on known occurrences of federally listed and state-listed species within a 1-mile radius of the Project area. On March 8, 2016, the ODNR Division of Wildlife provided geographic information system (GIS) data that outlined known records of state- and federally listed species located near the Project area. ODNR records of state- and federally listed species,

provided in March 2016, did not include records of any state- or federally listed species within 1 mile of the Project area.

The U.S. Fish and Wildlife Service (USFWS) publication “Federally Listed Species by Ohio Counties October 2016” was reviewed to determine the threatened and endangered species currently known to occur in Clark County. For Clark County, the USFWS publication lists Indiana bat (*Myotis sodalis*; federally listed endangered), northern long-eared bat (*Myotis septentrionalis*; federally listed threatened), eastern massasauga (*Sistrurus catenatus*; federally listed threatened), rayed bean (*Villosa fabalis*; federally listed endangered), and eastern prairie fringed orchid (*Platanthera leucophaea*; federally listed threatened). On December 2, 2016, a coordination letter was submitted to the USFWS Ohio Ecological Services Field Office seeking an environmental review of the Project for potential impacts to threatened or endangered species.

Assessments for potential Indiana bat habitat were conducted during wetland and waterbody surveys of the Project area. During these investigations, potential summer roosting and foraging habitat was observed. Surveyed woodlots contained potential suitable roosting trees with exfoliating bark, split trunks or cavities, including standing dead snags, trees with broken limbs, and live trees with loose bark such as shagbark hickories. The bats normally inhabit caves or mines during the winter months and, none were observed during the ecological field surveys. The ODNR mapping shows no records of surface or underground mines in the project area (ODNR, 2016). Further, an ODNR map of Ohio karst areas shows the Project area does not occur in a probable karst area. Because there are no known occurrences of Indiana bat within a 1-mile radius of the Project, and ATSI proposes seasonal clearing of trees (October 1 to March 31), the Project is not likely to adversely affect the Indiana bat.

Forested areas with potentially suitable summer roosting habitat for the northern long-eared bat, similar to the Indiana bat, were observed within the Project area. Records obtained from the ODNR Division of Wildlife did not indicate any known occurrences of the northern long-eared bat from the Project area or within a 1-mile radius. ATSI

proposes seasonal clearing of trees (between October 1 and March 31). Therefore, the Project is not likely to adversely affect the northern long-eared bat.

Suitable habitat for the eastern massasauga includes wetlands, such as wet prairies, marshes, and low areas along rivers, and adjacent uplands. This species is known to occur in Clark County and is listed as a federally threatened and Ohio endangered species.. Wetlands, as well as adjacent, grassy, upland habitat is located within the Project area. Because potential habitat exists within the Project area, ATSI requested comments from USFWS on potential impacts to the eastern massasauga.

The rayed bean prefers small, headwater creeks with sand and gravel substrate. Two streams identified within the Project area (namely, Moore Run [SSM003] and SSM004) are large enough to support fish (needed for mussel development) and have this habitat type. A biological and water quality study of the Mad River basin conducted by the OEPA in 2003 investigated Moore Run downstream from Navistar (RM 2.46). During this study, OEPA personnel noted a petroleum odor and an oily sheen on the water surface. Within this reach, the fish community marginally met ecoregional expectations, but the macroinvertebrate community was in only fair condition. Low dissolved oxygen readings and significant sediment contamination were documented in this reach of Moore Run. Based on the limited distribution of this species, biological and water quality of Moore Run in the vicinity of the Project, and lack of known records within the Project vicinity, it is the opinion of CH2M that the Project is not likely to adversely affect the rayed bean.

The eastern prairie fringed orchid inhabits a variety of habitats, such as open canopied sedge meadows and mesic prairies. Palustrine emergent (PEM) wetlands were delineated within the Project area in July and August and the eastern prairie fringed orchid was not observed during this period. Despite suitable habitat being present within the Project area, based on the lack of known records within 1 mile of the Project vicinity, and given that the wetlands will be avoided during construction, the Project is not likely to adversely affect the eastern prairie fringed orchid.

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

The March 8, 2016 ODNR response provided to CH2M in support of the Project also addresses the potential presence of unique ecological sites, geological features, animal assemblages, scenic rivers, state wildlife areas, nature preserves, parks or forest, national wildlife refuges, or other protected natural areas within 1 mile of the Project area. None of these ecological areas of concern were found during the search of ODNR's Natural Heritage Database.

As part of the investigation, CH2M also conducted a wetland delineation and stream assessment in the Project area. CH2M conducted field investigations July 25-29, 2016; August 1-4, 2016; August 8, 2016; September 13-14, 2016; and October 12, 2016, to document existing habitats and hydrological conditions. CH2M identified six streams within the environmental survey corridor. Two streams were classified as perennial, one as intermittent, one as ephemeral/intermittent, and two as ephemeral. Only Moore Run (SSM003) has been assigned an aquatic life use designation (warmwater habitat) in the water quality standards. The Project centerline crosses three streams. Approximately 1,031 linear feet of stream are located within the Project ROW. Project construction activities are not expected to require the placement of any permanent fill within streams.

Four palustrine scrub-shrub (PSS) wetlands and three PEM wetlands were also identified within the environmental survey corridor. Of these, three PSS wetlands and two PEM wetlands are located within the Project area. There will be no permanent impacts to these features as a result of the Project.

To minimize soil erosion and sedimentation during construction, best management practices (BMPs) such as silt fences and construction matting will be implemented as required during construction. Sedimentation potential at wetlands is unlikely because of the plans for structure placement outside of wetlands, and the fact that construction equipment will only cross wetlands if necessary, and will do so using construction matting if wet conditions require.

If any streams must be crossed during construction, appropriate BMPs such as temporary bridging with construction matting, will be implemented to avoid impacts. Construction

activities will be implemented in accordance with all relevant construction stormwater permit requirements. All applicable permits will be secured before construction.

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 Electrical 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 Letter of Notification Application Transmittal and Availability for Public Review

This Letter of Notification application is being provided concurrently to the following officials of Moorefield Township and Clark County, Ohio.

Moorefield Township

Mr. Jack McKee
Trustee, Moorefield Township
1170 Montego Drive
Springfield, OH 45503

Mr. Joseph Mosier
Trustee, Moorefield Township
3223 Tamarack Avenue
Springfield, OH 45502

Mr. Daren Cotter
Trustee, Moorefield Township
4619 McCord Street
Springfield, OH 45503

Ms. Janet Dyer
Fiscal Officer, Moorefield
Township
1649 Merrydale Road
Springfield, OH 45503

Clark County

Ms. Melanie Flax Wilt
Clark County Commissioner
Clark County Administration
50 East Columbia Street
Springfield, OH 45501

Mr. Lowell R. McGlothin
Clark County Commissioner
Clark County Administration
50 East Columbia Street
Springfield, OH 45501

Mr. Richard Lohnes
Clark County Commissioner
Clark County Administration
50 East Columbia Street
Springfield, OH 45501

Ms. Jo Anderson, Chairperson
Clark County Planning
Commission
50 East Columbia Street
Springfield, OH 45501

Ms. Jennifer Hutchinson,
Clark County Administrator
Board of Clark County
Commissioners
50 East Columbia Street
Springfield, OH 45501

Mr. Johnathan A. Burr, P.E., P.S.
Clark County Engineer
4075 Laybourne Road
Springfield, OH 45505

Libraries

Ms. Sally Rizer, Director
Clark County Public Library
201 South Fountain Avenue
Springfield, OH 45506

Ms. Sally Rizer, Director
Clark County Public Library
Park Branch
1119 North Bechtle Avenue,
Springfield, OH 45504

Copies of the transmittal letters to these officials have been included with the transmittal letter submitting this Letter of Notification to the Board, and are being provided to meet the requirement of OAC Rule 4906-6-07 (B) to provide the Board with proof of compliance with the notice requirement to local officials in OAC Rule 4906-6-07 (A)(1).

Information is posted at the link below and describes how to request an electronic or paper copy of this Letter of Notification application. The link to the website is being provided to meet the requirement of OAC Rule 4906-6-07 (B) and to provide the Board with proof of compliance with the notice requirements in OAC Rule 4906-6-07 (A)(3).

https://www.firstenergycorp.com/about/transmission_projects/ohio/springfield-area-project.html

REFERENCES

Baker, Stanley W. 1996. Phase I Cultural Resources Survey for the CLA/CHP-68-15.19/0.00 Corridor Study Located in Urbana Township, Champaign County, Ohio. Report prepared by and for ODOT.

Harper, Gregory F. 2006. Springfield Storage Site # C116-717 Proposed Cellular Tower, 6520 Urbana Road, Moorefield Township, Clark County, Ohio. Report prepared by SI Group.

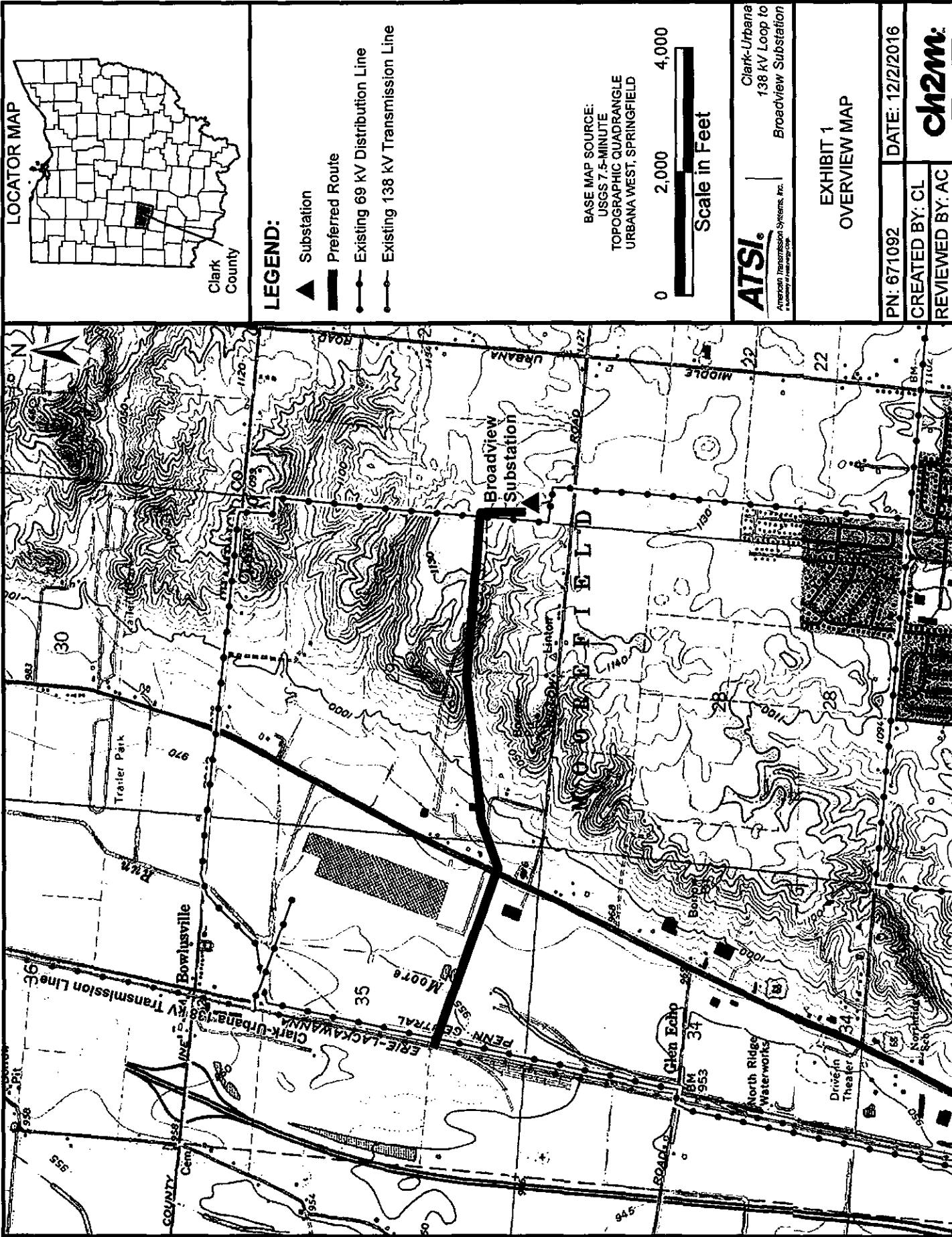
Keener, Craig S. 2009. Phase I Cultural Resource Management Survey of a Proposed AT&T Mobility Cell Tower (Glen Echo: DAY-2536) in Moorefield Township, Clark County, Ohio. Report prepared by Professional Archaeological Services Team for GPD Associates.

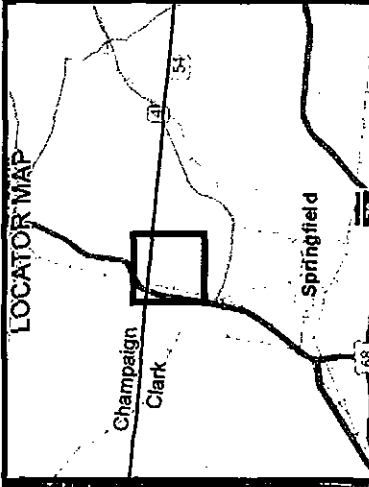
Mustain, Chuck and Nathan Young. 1997. Phase I Cultural Resource Management Archaeological Reconnaissance Survey for the U.S. Route 68 Preliminary Development Study Project (CHP-68-2.2446[1.52]) in Concord, Harrison, Mad River, Salem, and Urbana Townships, Champaign County, Ohio (PID 9927). Report prepared by ASC Group, Inc. for Sverdrup Associates, Inc.

Riordan, Robert V. and Terry Villars. 1983. An Archaeological Survey of an Industrial Park Site, Clark County, Ohio. Report prepared by Robert V. Riordan and Terry Villars.

Ohio Department of Natural Resources (ODNR). 2016. Mines of Ohio. Division of Mineral Resources and Division of Geological Survey.

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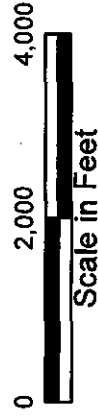




LEGEND:

- ▲ Substation
- Preferred Route
- Existing 69 kV Distribution Line
- Existing 138 kV Transmission Line

BASE MAP SOURCE:
NATIONAL AGRICULTURAL
IMAGERY PROGRAM, 2015



ATSI.

American Transmission Systems, Inc.
A subsidiary of AT&T

Clark-Urbana
138 kV Loop to
Broadview Substation

**EXHIBIT 2
AERIAL MAP**

PN: 671092

DATE: 12/2/2016

CREATED BY: CL

REVIEWED BY: AC

ch2m.



LEGEND:

- ▲ Substation
- Preferred Route
- Existing 69 kV Distribution Line
- Existing 138 kV Transmission Line
- Street
- Railroad



ATSI.

Clark-Urbana
138 kV Loop to
Broadview Substation

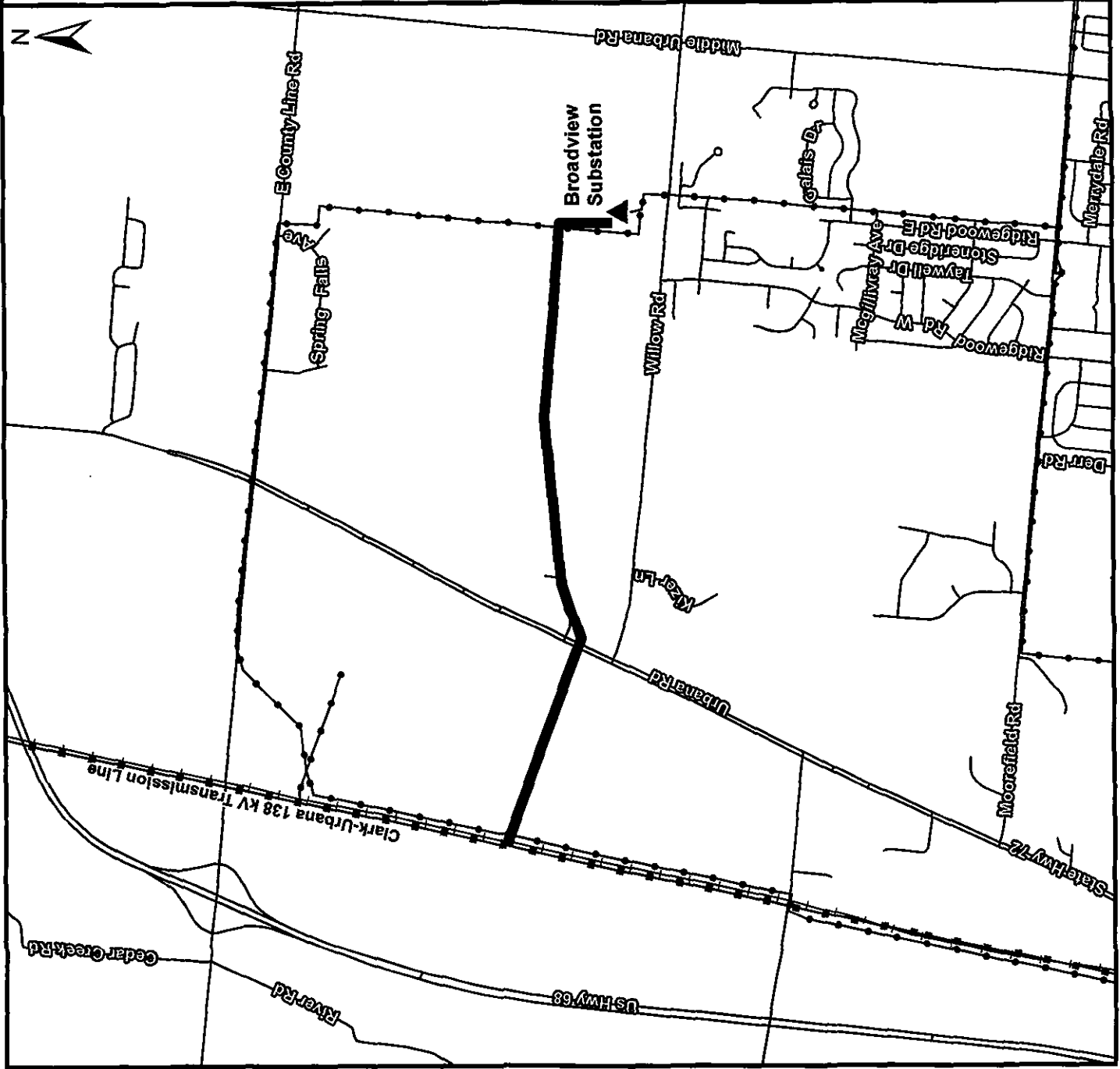
**EXHIBIT 3
TRANSMISSION LINE LAYOUT**

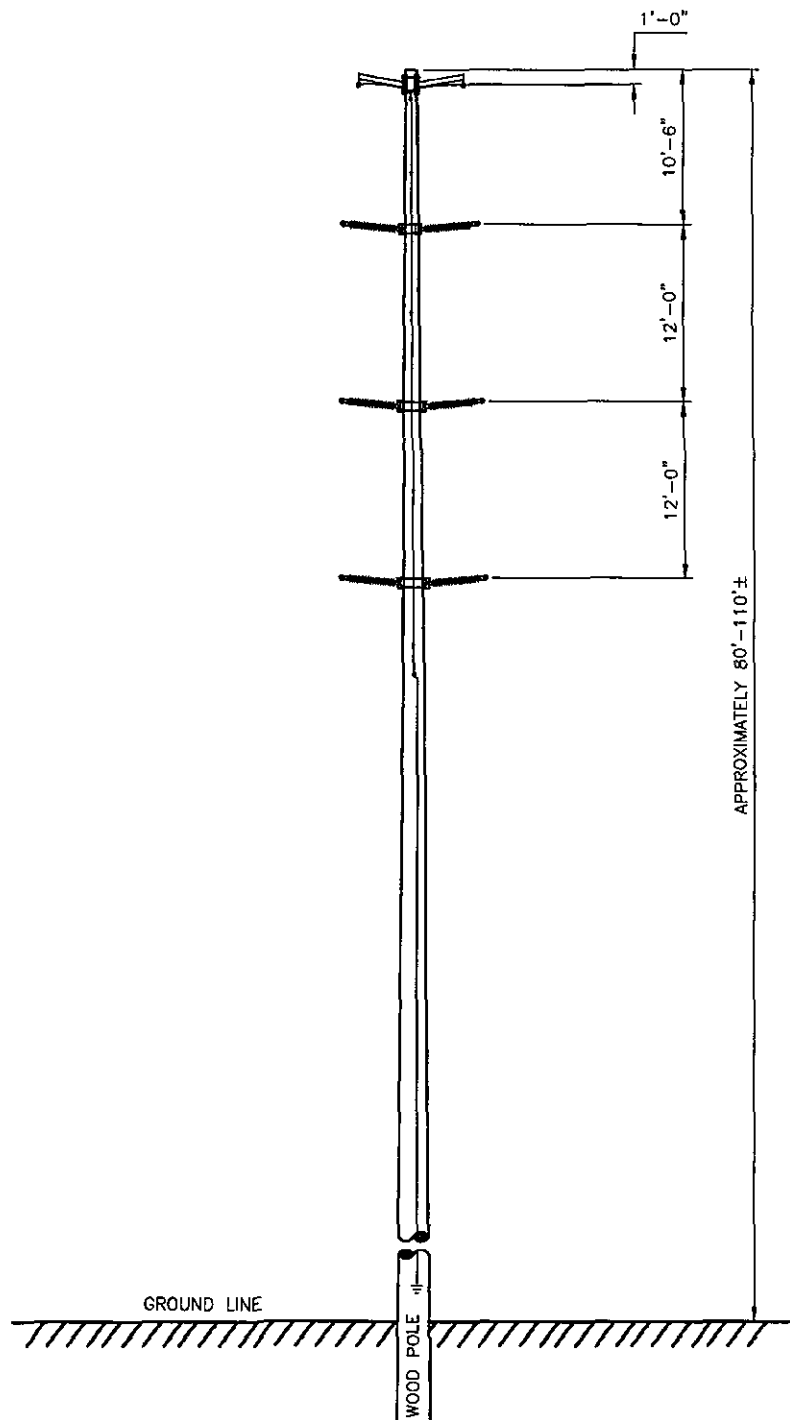
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CREATED BY: CL

REVIEWED BY: AC

ch2m.





**NOT TO SCALE

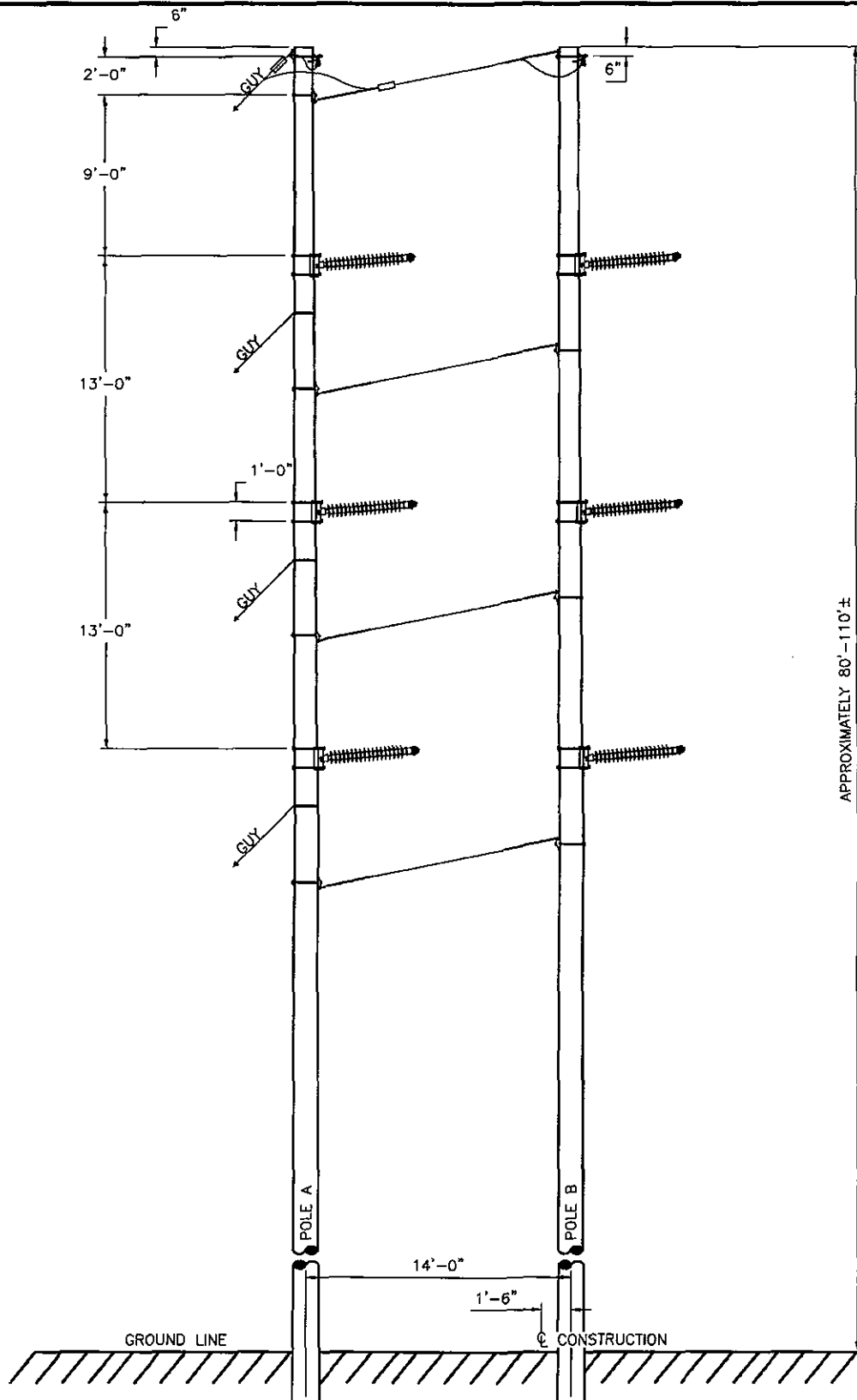
ATSI

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

BROADVIEW LOOPS 138kV
TYPICAL TANGENT WOOD POLE

138kV DOUBLE CIRCUIT TANGENT
HORIZONTAL POST INSULATORS

EXHIBIT 4



**NOT TO SCALE

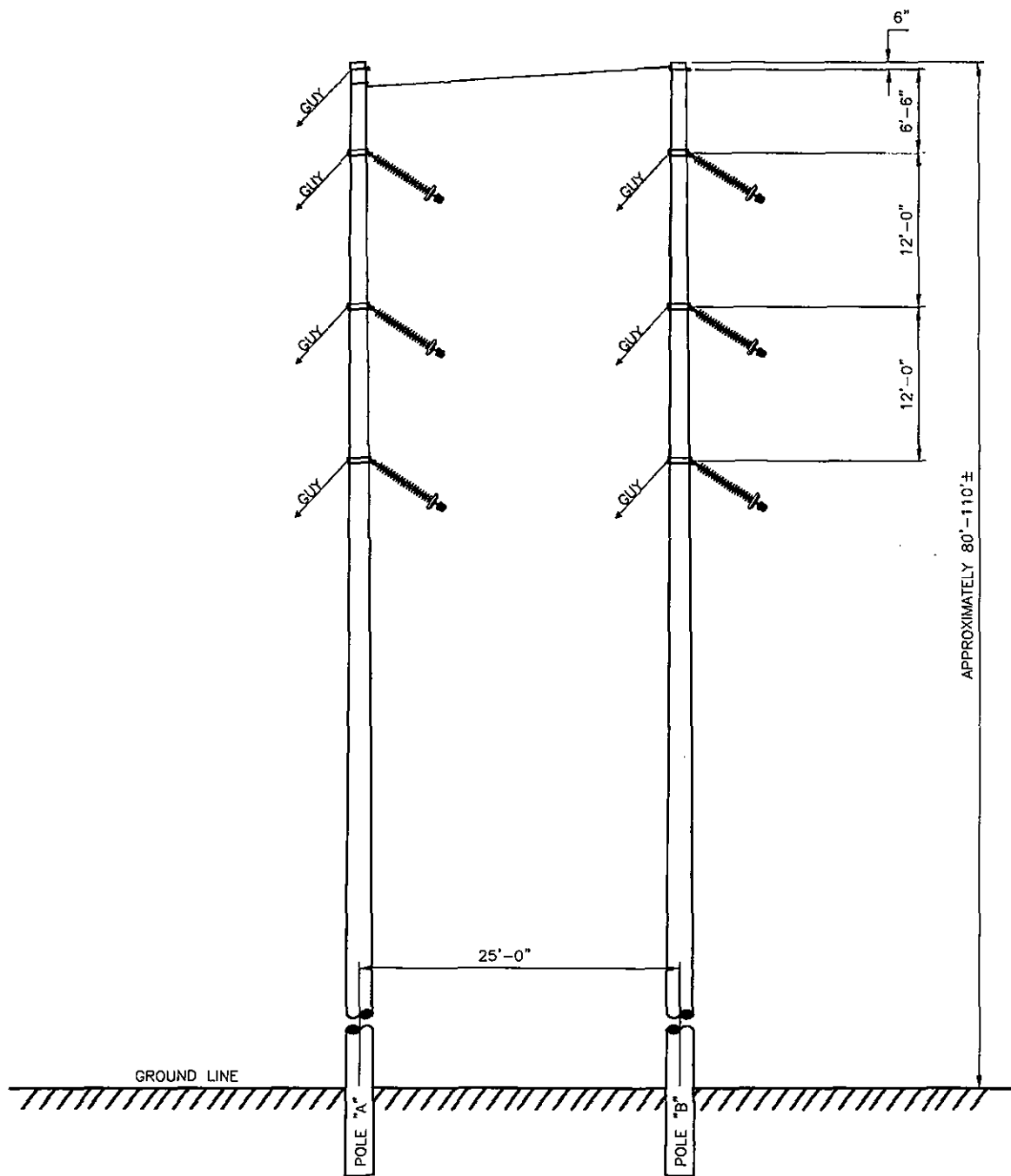
ATSI

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

BROADVIEW LOOPS 138kV
TYPICAL LIGHT ANGLE WOOD POLE

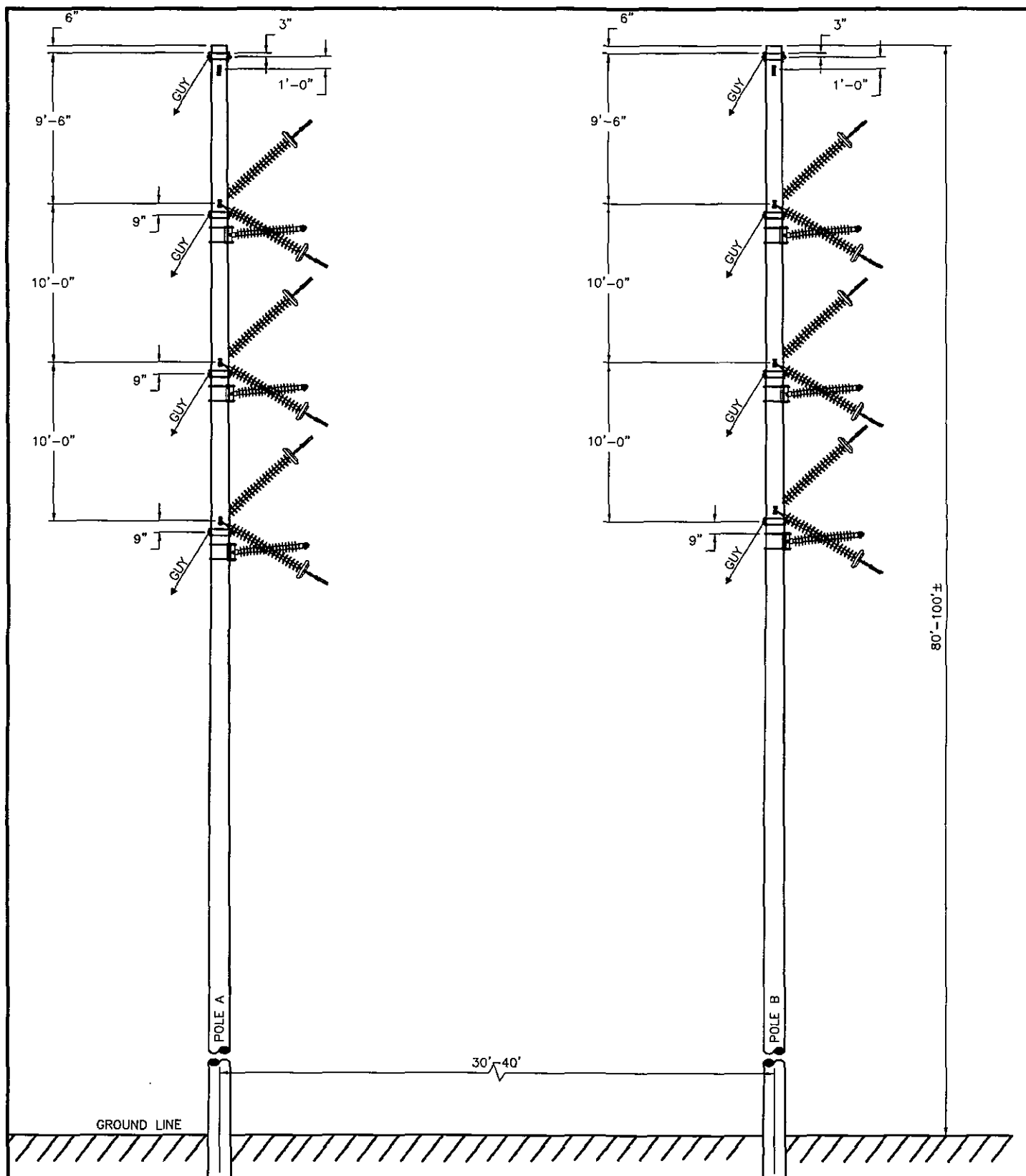
138kV DOUBLE CIRCUIT LIGHT ANGLE, TWO POLE
ANGLES 2° TO 20°

EXHIBIT 5



**NOT TO SCALE

ATSI <small>American Transmission Systems, Inc. a subsidiary of FirstEnergy Corp.</small>	BROADVIEW LOOPS 138kV TYPICAL PULLOFF WOOD POLE
138kV DOUBLE CIRCUIT PULL OFF, TWO POLE ANGLES 20° TO 40°	
EXHIBIT 6	



**NOT TO SCALE

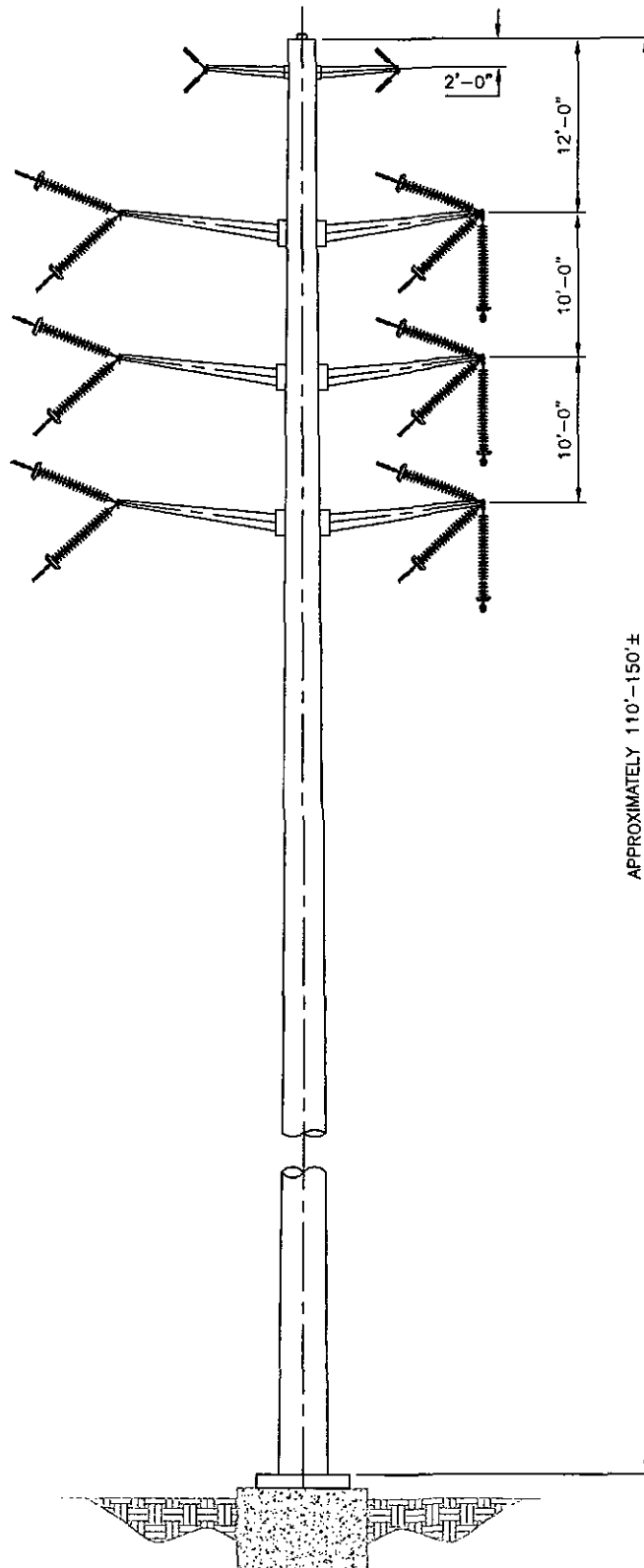
ATSI

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

BROADVIEW LOOPS 138kV
TYPICAL DEADEND WOOD POLE

138kV DOUBLE CIRCUIT DEADEND, TWO POLE
ANGLES 40° TO 90°

EXHIBIT 7



**NOT TO SCALE

ATSI

American Transmission Systems, Inc.
a subsidiary of TSP Energy Corp.

BROADVIEW LOOPS 138kV
TYPICAL DEADEND STEEL POLE

138kV DOUBLE CIRCUIT DEADEND
STEEL POLE

EXHIBIT 8

