

2012 SEP 12 AM 10:19

September 11, 2012

1-800-646-0400

Ms. Betty McCauley  
Director, Administration Department  
Secretary to the Commission  
Docketing Division  
The Public Utilities Commission of Ohio  
180 East Broad Street  
Columbus, OH 43215-3793

PUCO

**Letter of Notification**

**Allen Junction-Midway 345 kV Transmission Line Loop To Fulton Substation and  
North Star Steel 345 kV Transmission Line Tap Relocation  
Case No. 12-2462-EL-BLN**

Dear Ms. McCauley:

In accordance with Rule 4906-1-11 of the Ohio Administrative Code, American Transmission Systems, Incorporated ("ATSI") transmits one (1) original and eleven (11) copies of the enclosed Letter of Notification for the above captioned project. In this project, ATSI proposes to loop the existing Allen Junction-Midway 345 kV Transmission Line into the Preferred Site of the proposed new Fulton Substation, refer to OPSB Case No. 11-4152-EL-BSB, and relocate the existing Allen Junction-Midway 345 kV Transmission Line Tap to North Star Steel. As a part of the project, the Allen Junction-Midway 345 kV Transmission Line Loop to Fulton Substation will extend approximately 170 feet east to the substation fenceline supported on approximately 4-6 transmission structures, and the Fulton-North Star Steel 345 kV Transmission Line will trend north from the current tap location approximately 450 feet, then trend east approximately 220 feet to the substation fenceline being supported on approximately 3-5 transmission structures. The Project area is located approximately 3,000 feet southeast of the intersection of Township Road 3 and County Road J and north of Interstate 80/90 immediately adjacent to the existing Allen Junction-Midway 345 kV Transmission Line in Fulton Township, Fulton County, Ohio.

Please be advised of the following:

a) Name and address of the applicants:

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

This is to certify that the images appearing are an  
accurate and complete reproduction of a case file  
document delivered in the regular course of business.  
Technician Jim Date Processed SEP 12 2012

b) Name of proposed facilities:

Allen Junction-Midway 345 kV Transmission Line Loop To Fulton Substation and  
North Star Steel 345 kV Transmission Line Tap Relocation

c) Location of proposed facilities:

The Project area is located approximately 3,000 feet southeast of the intersection of Township Road 3 and County Road J and north of Interstate 80/90 immediately adjacent to the existing Allen Junction-Midway 345 kV Transmission Line in Fulton Township, Fulton County, Ohio.

d) Description of proposed facilities:

The Project involves installing approximately 840 feet (0.16 miles) of 345 kV transmission line and approximately 7-10 transmission structures to connect the existing Allen Junction-Midway 345 kV Transmission Line Loop To Fulton Substation and North Star Steel 345 kV Transmission Line Tap to the new Fulton Substation.

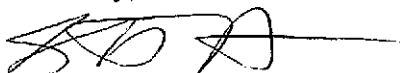
e) Applicant's representative:

Scott M. Humphrys, Transmission Specialist  
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 for our records to us in the enclosed envelope. We have provided a copy of the Letter of Notification by certified mail, with return receipt requested, to each official 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 the Fulton Township and Fulton 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) 384-2526.

Sincerely,



Scott M. Humphrys  
Transmission Specialist  
Energy Delivery Transmission and Substation  
Design  
FirstEnergy Service Company

Attachments

September 11, 2012

Mr. Robert L. Huskins, Chair  
Fulton Township Trustees  
10538 County Road 4  
Swanton, OH 43558

**Letter of Notification**  
**Allen Junction-Midway 345 kV Transmission Line Loop To Fulton Substation and North**  
**Star Steel 345 kV Transmission Line Tap Relocation**  
**Case No. 12-2462-EL-BLN**

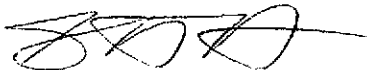
Dear Mr. Huskins,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI") a subsidiary of FirstEnergy Corp., proposes to loop the existing Allen Junction-Midway 345 kV Transmission Line into the Preferred Site of the new Fulton Substation, as proposed in OPSB Case No. 11-4152-EL-BSB, and relocate the existing Allen Junction-Midway 345 kV Transmission Line Tap to North Star Steel. As a part of the project, the Allen Junction-Midway 345 kV Transmission Line Loop to Fulton Substation will extend approximately 170 feet east to the substation fenceline supported on approximately 4-6 transmission structures, and the Fulton-North Star Steel 345 kV Transmission Line will trend north from the current tap location approximately 450 feet, then trend east approximately 220 feet to the substation fenceline being supported on approximately 3-5 transmission structures. The Project area is located approximately 3,000 feet southeast of the intersection of Township Road 3 and County Road J and north of Interstate 80/90 immediately adjacent to the existing Allen Junction-Midway 345 kV Transmission Line in Fulton Township, Fulton County, Ohio.

In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON 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) 384-2526.

Sincerely,



Scott Humphrys  
Transmission Specialist  
Energy Delivery Transmission and Substation  
Design  
FirstEnergy Service Company

Attachment

September 11, 2012

Mr. Joe E. Gombash  
Fulton Township Trustee  
10538 County Road 4  
Swanton, OH 43558

**Letter of Notification**  
**Allen Junction-Midway 345 kV Transmission Line Loop To Fulton Substation and North**  
**Star Steel 345 kV Transmission Line Tap Relocation**  
**Case No. 12-2462-EL-BLN**

Dear Mr. Gombash,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI") a subsidiary of FirstEnergy Corp., proposes to loop the existing Allen Junction-Midway 345 kV Transmission Line into the Preferred Site of the new Fulton Substation, as proposed in OPSB Case No. 11-4152-EL-BSB, and relocate the existing Allen Junction-Midway 345 kV Transmission Line Tap to North Star Steel. As a part of the project, the Allen Junction-Midway 345 kV Transmission Line Loop to Fulton Substation will extend approximately 170 feet east to the substation fenceline supported on approximately 4-6 transmission structures, and the Fulton-North Star Steel 345 kV Transmission Line will trend north from the current tap location approximately 450 feet, then trend east approximately 220 feet to the substation fenceline being supported on approximately 3-5 transmission structures. The Project area is located approximately 3,000 feet southeast of the intersection of Township Road 3 and County Road J and north of Interstate 80/90 immediately adjacent to the existing Allen Junction-Midway 345 kV Transmission Line in Fulton Township, Fulton County, Ohio.

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I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-2526.

Sincerely,



Scott Humphrys  
Transmission Specialist  
Energy Delivery Transmission and Substation  
Design  
FirstEnergy Service Company

Attachment

September 11, 2012

Mr. Scott A. Gillen  
Fulton Township Trustee  
10538 County Road 4  
Swanton, OH 43558

**Letter of Notification**  
**Allen Junction-Midway 345 kV Transmission Line Loop To Fulton Substation and North**  
**Star Steel 345 kV Transmission Line Tap Relocation**  
**Case No. 12-2462-EL-BLN**

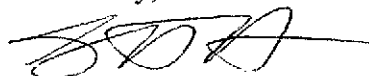
Dear Mr. Gillen,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI") a subsidiary of FirstEnergy Corp., proposes to loop the existing Allen Junction-Midway 345 kV Transmission Line into the Preferred Site of the new Fulton Substation, as proposed in OPSB Case No. 11-4152-EL-BSB, and relocate the existing Allen Junction-Midway 345 kV Transmission Line Tap to North Star Steel. As a part of the project, the Allen Junction-Midway 345 kV Transmission Line Loop to Fulton Substation will extend approximately 170 feet east to the substation fenceline supported on approximately 4-6 transmission structures, and the Fulton-North Star Steel 345 kV Transmission Line will trend north from the current tap location approximately 450 feet, then trend east approximately 220 feet to the substation fenceline being supported on approximately 3-5 transmission structures. The Project area is located approximately 3,000 feet southeast of the intersection of Township Road 3 and County Road J and north of Interstate 80/90 immediately adjacent to the existing Allen Junction-Midway 345 kV Transmission Line in Fulton Township, Fulton County, Ohio.

In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON 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) 384-2526.

Sincerely,



Scott Humphrys  
Transmission Specialist  
Energy Delivery Transmission and Substation  
Design  
FirstEnergy Service Company

Attachment

September 11, 2012

Ms. Vicki L. Smith  
Fulton Township Fiscal Officer  
10538 County Road 4  
Swanton, OH 43558

**Letter of Notification**  
**Allen Junction-Midway 345 kV Transmission Line Loop To Fulton Substation and North**  
**Star Steel 345 kV Transmission Line Tap Relocation**  
**Case No. 12-2462-EL-BLN**

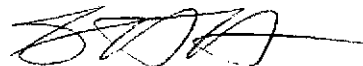
Dear Ms. Smith,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI") a subsidiary of FirstEnergy Corp., proposes to loop the existing Allen Junction-Midway 345 kV Transmission Line into the Preferred Site of the new Fulton Substation, as proposed in OPSB Case No. 11-4152-EL-BSB, and relocate the existing Allen Junction-Midway 345 kV Transmission Line Tap to North Star Steel. As a part of the project, the Allen Junction-Midway 345 kV Transmission Line Loop to Fulton Substation will extend approximately 170 feet east to the substation fenceline supported on approximately 4-6 transmission structures, and the Fulton-North Star Steel 345 kV Transmission Line will trend north from the current tap location approximately 450 feet, then trend east approximately 220 feet to the substation fenceline being supported on approximately 3-5 transmission structures. The Project area is located approximately 3,000 feet southeast of the intersection of Township Road 3 and County Road J and north of Interstate 80/90 immediately adjacent to the existing Allen Junction-Midway 345 kV Transmission Line in Fulton Township, Fulton County, Ohio.

In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON 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) 384-2526.

Sincerely,



Scott Humphrys  
Transmission Specialist  
Energy Delivery Transmission and Substation  
Design  
FirstEnergy Service Company

Attachment

September 11, 2012

The Honorable Dean A. Genter  
Fulton County Commissioner  
152 S. Fulton Street  
Wauseon, OH 43567

**Letter of Notification**  
**Allen Junction-Midway 345 kV Transmission Line Loop To Fulton Substation and North**  
**Star Steel 345 kV Transmission Line Tap Relocation**  
**Case No. 12-2462-EL-BLN**

Dear Mr. Genter,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI") a subsidiary of FirstEnergy Corp., proposes to loop the existing Allen Junction-Midway 345 kV Transmission Line into the Preferred Site of the new Fulton Substation, as proposed in OPSB Case No. 11-4152-EL-BSB, and relocate the existing Allen Junction-Midway 345 kV Transmission Line Tap to North Star Steel. As a part of the project, the Allen Junction-Midway 345 kV Transmission Line Loop to Fulton Substation will extend approximately 170 feet east to the substation fenceline supported on approximately 4-6 transmission structures, and the Fulton-North Star Steel 345 kV Transmission Line will trend north from the current tap location approximately 450 feet, then trend east approximately 220 feet to the substation fenceline being supported on approximately 3-5 transmission structures. The Project area is located approximately 3,000 feet southeast of the intersection of Township Road 3 and County Road J and north of Interstate 80/90 immediately adjacent to the existing Allen Junction-Midway 345 kV Transmission Line in Fulton Township, Fulton County, Ohio.

In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON 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) 384-2526.

Sincerely,



Scott Humphrys  
Transmission Specialist  
Energy Delivery Transmission and Substation  
Design  
FirstEnergy Service Company

Attachment

September 11, 2012

The Honorable Paul D. Barnaby  
Fulton County Commissioner  
152 S. Fulton Street  
Wauseon, OH 43567

**Letter of Notification**  
**Allen Junction-Midway 345 kV Transmission Line Loop To Fulton Substation and North**  
**Star Steel 345 kV Transmission Line Tap Relocation**  
**Case No. 12-2462-EL-BLN**

Dear Mr. Barnaby,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI") a subsidiary of FirstEnergy Corp., proposes to loop the existing Allen Junction-Midway 345 kV Transmission Line into the Preferred Site of the new Fulton Substation, as proposed in OPSB Case No. 11-4152-EL-BSB, and relocate the existing Allen Junction-Midway 345 kV Transmission Line Tap to North Star Steel. As a part of the project, the Allen Junction-Midway 345 kV Transmission Line Loop to Fulton Substation will extend approximately 170 feet east to the substation fenceline supported on approximately 4-6 transmission structures, and the Fulton-North Star Steel 345 kV Transmission Line will trend north from the current tap location approximately 450 feet, then trend east approximately 220 feet to the substation fenceline being supported on approximately 3-5 transmission structures. The Project area is located approximately 3,000 feet southeast of the intersection of Township Road 3 and County Road J and north of Interstate 80/90 immediately adjacent to the existing Allen Junction-Midway 345 kV Transmission Line in Fulton Township, Fulton County, Ohio.

In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON 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) 384-2526.

Sincerely,



Scott Humphrys  
Transmission Specialist  
Energy Delivery Transmission and Substation  
Design  
FirstEnergy Service Company

Attachment



September 11, 2012

The Honorable Perry L. Rupp  
Fulton County Commissioner  
152 S. Fulton Street  
Wauseon, OH 43567

**Letter of Notification**  
**Allen Junction-Midway 345 kV Transmission Line Loop To Fulton Substation and North**  
**Star Steel 345 kV Transmission Line Tap Relocation**  
**Case No. 12-2462-EL-BLN**

Dear Mr. Rupp,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI") a subsidiary of FirstEnergy Corp., proposes to loop the existing Allen Junction-Midway 345 kV Transmission Line into the Preferred Site of the new Fulton Substation, as proposed in OPSB Case No. 11-4152-EL-BSB, and relocate the existing Allen Junction-Midway 345 kV Transmission Line Tap to North Star Steel. As a part of the project, the Allen Junction-Midway 345 kV Transmission Line Loop to Fulton Substation will extend approximately 170 feet east to the substation fenceline supported on approximately 4-6 transmission structures, and the Fulton-North Star Steel 345 kV Transmission Line will trend north from the current tap location approximately 450 feet, then trend east approximately 220 feet to the substation fenceline being supported on approximately 3-5 transmission structures. The Project area is located approximately 3,000 feet southeast of the intersection of Township Road 3 and County Road J and north of Interstate 80/90 immediately adjacent to the existing Allen Junction-Midway 345 kV Transmission Line in Fulton Township, Fulton County, Ohio.

In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON 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) 384-2526.

Sincerely,



Scott Humphrys  
Transmission Specialist  
Energy Delivery Transmission and Substation  
Design  
FirstEnergy Service Company

Attachment

September 11, 2012

Mr. Frank T. Onweller, P.E., P.S.  
Fulton County Engineer  
9120 County Road 14  
Wauseon, OH 43567

**Letter of Notification**  
**Allen Junction-Midway 345 kV Transmission Line Loop To Fulton Substation and North**  
**Star Steel 345 kV Transmission Line Tap Relocation**  
**Case No. 12-2462-EL-BLN**

Dear Mr. Onweller,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI") a subsidiary of FirstEnergy Corp., proposes to loop the existing Allen Junction-Midway 345 kV Transmission Line into the Preferred Site of the new Fulton Substation, as proposed in OPSB Case No. 11-4152-EL-BSB, and relocate the existing Allen Junction-Midway 345 kV Transmission Line Tap to North Star Steel. As a part of the project, the Allen Junction-Midway 345 kV Transmission Line Loop to Fulton Substation will extend approximately 170 feet east to the substation fenceline supported on approximately 4-6 transmission structures, and the Fulton-North Star Steel 345 kV Transmission Line will trend north from the current tap location approximately 450 feet, then trend east approximately 220 feet to the substation fenceline being supported on approximately 3-5 transmission structures. The Project area is located approximately 3,000 feet southeast of the intersection of Township Road 3 and County Road J and north of Interstate 80/90 immediately adjacent to the existing Allen Junction-Midway 345 kV Transmission Line in Fulton Township, Fulton County, Ohio.

In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON 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) 384-2526.

Sincerely,



Scott Humphrys  
Transmission Specialist  
Energy Delivery Transmission and Substation  
Design  
FirstEnergy Service Company

Attachment

September 11, 2012

Mr. Steven C. Brown, Director  
Fulton County Regional Planning Commission  
152 S. Fulton Street  
Wauseon, OH 43567

1-800-646-0400

**Letter of Notification**

**Allen Junction-Midway 345 kV Transmission Line Loop To Fulton Substation and North  
Star Steel 345 kV Transmission Line Tap Relocation  
Case No. 12-2462-EL-BLN**


Dear Mr. Brown,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI") a subsidiary of FirstEnergy Corp., proposes to loop the existing Allen Junction-Midway 345 kV Transmission Line into the Preferred Site of the new Fulton Substation, as proposed in OPSB Case No. 11-4152-EL-BSB, and relocate the existing Allen Junction-Midway 345 kV Transmission Line Tap to North Star Steel. As a part of the project, the Allen Junction-Midway 345 kV Transmission Line Loop to Fulton Substation will extend approximately 170 feet east to the substation fenceline supported on approximately 4-6 transmission structures, and the Fulton-North Star Steel 345 kV Transmission Line will trend north from the current tap location approximately 450 feet, then trend east approximately 220 feet to the substation fenceline being supported on approximately 3-5 transmission structures. The Project area is located approximately 3,000 feet southeast of the intersection of Township Road 3 and County Road J and north of Interstate 80/90 immediately adjacent to the existing Allen Junction-Midway 345 kV Transmission Line in Fulton Township, Fulton County, Ohio.

In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON 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) 384-2526.

Sincerely,



Scott Humphrys  
Transmission Specialist  
Energy Delivery Transmission and Substation  
Design  
FirstEnergy Service Company

Attachment

RECEIVED-DOCKETING DIV

2012 SEP 12 AM 10:19

PUCO

**AMERICAN TRANSMISSION SYSTEMS, INCORPORATED  
A SUBSIDIARY OF FIRSTENERGY CORP.**

**LETTER OF NOTIFICATION**

**ALLEN JUNCTION-MIDWAY 345 kV TRANSMISSION  
LINE LOOP TO FULTON SUBSTATION AND NORTH  
STAR STEEL 345 kV TRANSMISSION LINE TAP  
RELOCATION**

**OPSB CASE NO.: 12-2462-EL-BLN**

**September 11, 2012**

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

**LETTER OF NOTIFICATION  
ALLEN JUNCTION-MIDWAY 345 kV TRANSMISSION LINE  
LOOP TO FULTON SUBSTATION AND NORTH  
STAR STEEL 345 kV TRANSMISSION LINE TAP RELOCATION**

The following information is being provided in accordance with the procedures delineated in Ohio Administrative Code Section 4906-11-01: Letter of Notification Requirements of the Rules and Regulations of the Ohio Power Siting Board.

**4906-11-01 (B): General Information**

**4906-11-01 (B) (1) a : Name and Reference Number**

Name of Project: Allen Junction-Midway 345 kV Transmission Line Loop to Fulton Substation and North Star Steel 345 kV Transmission Line Tap Relocation Project ("Project").

2012 LTFR Reference: This Project is identified on page 144 in FirstEnergy Corp.'s 2012 Electric Long-Term Forecast Report ("LTFR") submitted to the Public Utility Commission of Ohio in Case Number 12-0504-EL-FOR.

**4906-11-01 (B) (1) b : Brief Description of Project**

In this Project, American Transmission Systems, Incorporated ("ATSI"), a subsidiary of FirstEnergy Corp., proposes to loop the existing Allen Junction-Midway 345 kV Transmission Line into the Preferred Site of the new Fulton Substation and relocate the existing Allen Junction-Midway 345 kV Transmission Line Tap to North Star Steel. Installation of the Fulton Substation has been proposed to the Ohio Power Siting Board via an Application for a Certificate of Environmental Compatibility and Public Need submitted in OPSB Case Number 11-4152-EL-BSB.

The new transmission line construction will extend from the existing Allen Junction-Midway 345 kV Transmission Line to the new Fulton Substation. Also, the Project will eliminate a transmission line tap, which currently serves North Star Steel, by

directly connecting the transmission line that extends to North Star Steel, to a breaker position in the new substation, and creating the Fulton-North Star Steel 345 kV Transmission Line. As a part of the project, the Allen Junction-Midway 345 kV Transmission Line Loop to Fulton Substation will extend approximately 170 feet east to the substation fenceline supported on approximately four to six transmission structures. The Fulton-North Star Steel 345 kV Transmission Line will trend north from the current tap location approximately 450 feet, then trend east approximately 220 feet to the substation fenceline being supported on approximately three to five transmission structures. Preliminary engineering has approximated the number of structures required to connect the 345 kV transmission lines to the new Fulton Substation, but has not identified exact locations of the structures.

The general location of the Project is shown in Exhibit 1, which is a partial copy of the United States Geologic Survey, Fulton County Ohio Quad Map, ID number 41083-E8. Exhibit 2 shows the general layout of the proposed Project. The Project is located approximately 3,000 feet southeast of the intersection of Township Road 3 and County Road J and north of Interstate 80/90 immediately adjacent to the existing Allen Junction-Midway 345 kV Transmission Line. Exhibits 3-5 show typical details of the preliminarily engineered transmission structures anticipated to be used.

ATSI owns the existing Allen Junction-Midway 345 kV Transmission Line and the Allen Junction-Midway 345 kV Transmission Line Loop to North Star Steel, and will own the transmission line loop, tap relocation, and associated structures. The Project is located in Fulton Township, Fulton County, Ohio.

**4906-11-01 (B) (1) c : Why the Project Meets the Requirements for a Letter of Notification**

The Project meets the requirements for a Letter of Notification because the Project is within the types of project defined by Item (1)(b) and (4) (a) of the Application Requirement Matrix for Electric Power Transmission Lines in Appendix A of 4906-1-01 of the Ohio Administrative Code. This item states:

- 2 American Transmission Systems, Incorporated  
Allen Junction-Midway 345 kV Transmission Line  
Loop and North Star Steel 345 kV Transmission  
Line Tap Relocation Project

*(1) Rerouting or extension or new construction of single or multiple circuit electric power transmission line(s) as follows:*

*(b) Line(s) three hundred kilovolts (kV) and above, and greater than 0.1 mile in length but not greater than one mile in length, and*

*(4) Replacing electric power transmission line structure(s) with a different type of structure(s) or adding structure(s) within an existing electric power transmission line and:*

*(a) Two miles or less of new right-of-way required.*

The proposed Project includes installing approximately 840 feet (0.16 miles) of 345 kV transmission line and approximately 7-10 transmission structures.

**4906-11-01 (B) (2): Need for the Project**

The proposed Project is needed to reinforce ATSI's high-voltage transmission system in the western portion of Toledo Edison's service territory. In order to comply with enhanced reliability standards mandated by the PJM Regional Transmission Operator (PJM) and National Electric Reliability Corporation (NERC), various system upgrades have been planned in this area. The Fulton Substation, along with the necessary 345 kV transmission line connections, is the optimal solution and eliminates the need for several other projects under consideration.

**4906-11-01 (B) (3): Location Relative to Existing or Proposed Lines**

The location of the Project relative to existing or proposed transmission lines is shown in the FirstEnergy System Facilities map, included as the last page of Chapter 3 of the confidential portion of the FirstEnergy Corp. 2012 Long-Term Forecast Report submitted to the PUCO in case no. 12-0504-EL-FOR under rules 4901:5-5:04 (C) of the Ohio Administrative Code. This map shows ATSI's 345 kV and 138 kV transmission lines and transmission substations, including the location of the Allen Junction-Midway 345 kV Transmission Line and the North Star Steel 345 kV Transmission Line Tap 138 kV transmission line. The project area is located approximately 3 ¾ inches (11 by 17 inch printed version) from the left edge of the map box and 7 ½ inches (11 by 17 inch

printed version) from the bottom of the map box. The general location of the Project is shown on Exhibit No. 1. The general layout of the Project is shown in Exhibit No. 2.

**4906-11-01 (B) (4): Alternatives Considered**

There were no other alternatives considered.

**4906-11-01 (B) (5): Construction Schedule**

Construction on the Project may begin as early as January 1, 2013 and is expected to be completed and placed in-service by December 31, 2013.

**4906-11-01 (B) (6): Area Map**

Exhibit No. 1 is a map depicting the general location of the project site. To locate and view the project site from the Columbus, Ohio area, Take I-70 W and go 1.2 miles, Take exit 99 C toward Rich St/Town St. Merge onto Oh-315 N and go 11.2 miles. Take the exit onto I-270 E toward Cleveland and go 0.6 miles. Take exit 23 to merge onto US-23 N/N High St toward Delaware and go 59.6 miles. Make a slight right to stay on US-23 N and go 7.4 miles. Continue onto Oh-15 W and go 17 miles. Take the I-75 N/OH-15 W toward Toledo and go 0.4 miles. Merge onto I-75 N/OH-15 W and go 38.5 miles. Take the exit onto I-80 W/I-90 W and go 12.5 miles. Take exit 52 for OH-2 W/Airport Hwy and go 1.1 miles. Turn right onto OH-2 W/Airport Hwy and go 4.2 miles. Turn right onto OH-64 N/S Main St and go 1.8 miles. Turn left onto Co Rd J and go 0.4 miles. The Project will be on the left.

**4906-11-01 (B) (7): Property Owner List**

The status of easements, options, and/or land use agreements necessary to construct and operate the facility are listed below:

<b>Property Owner</b>	<b>Right of Way Agreement Status</b>
Gombash	Easement Obtained
ATSI	Not Applicable



## **4906-11-01 (C): Technical Features of the Project**

### **4906-11-01 (C) (1): Operating Characteristics**

The new transmission line loop and transmission line relocation will be designed and constructed for 345 kV operation. The Project has the following characteristics:

Voltage:	345 kV
Conductor:	Twin bundled 954 kcmil 45/7 ACSR conductor per phase
Ground Wire:	7#8 Alumoweld
Insulators:	Polymer Horizontal Post and Suspension
Structure types:	Exhibit No. 3 – Three Pole Dead End Structure Exhibit No. 4 – Two Pole H-frame Structure Exhibit No. 5 – Steel Dead End Structure

The proposed Project is located in right of way that has been obtained and ATSI owned property.

### **4906-11-01 (C) (2) a: Calculated Electric and Magnetic Fields**

The following table itemizes the line loading of the transmission line loops being installed in the proposed Project. The normal line loading is based on the maximum load to be served to the new Fulton Substation and the normal configuration of the transmission system. The emergency line loading is based on the maximum load to be served to the new Fulton Substation with a single element outage of the transmission system that produces the highest loads in the new line loops. The winter rating is based on the continuous maximum conductor ratings (MCR) of the circuits for an ambient temperature of zero degrees centigrade (32 deg. F), wind speed of 1.3 miles per hour, and a circuit design operating temperature of 100 degrees centigrade (212 deg. F).

Line Name	Normal Loading Amps	Emergency Loading Amps	Winter Rating Amps
Allen Junction-Fulton 345 kV Transmission Line	153	500	2922
Fulton-North Star Steel 345 kV Transmission Line	321	620	2922
Fulton-Midway 345 kV Transmission Line	489	739	2922

Delta-Fulton 138 kV Transmission Line	170	341	1368
Fulton-Swanton 138 kV Transmission Line	386	506	1368

The following EMF calculations were performed using the EPRI EMF Workstation 2009 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 circuits. The model utilizes the normal, emergency, and winter rating of the transmission line extension.

EMF CALCULATIONS		Electric Field kV/meter	Magnetic Field mGauss
Normal Loading	Under Lowest Conductors	1.47	16.86
	At Right-of-Way Edges	0.376	2.55
Emergency Loading	Under Lowest Conductors	1.47	29.35
	At Right-of-Way Edges	0.376	8.33
Winter Rating	Under Lowest Conductors	1.47	72.69
	At Right-of-Way Edges	0.376	41.16

#### **4906-11-01 (C) (2) b: EMF Discussion**

##### **Background Information**

Electric and magnetic fields (EMFs) are naturally occurring in the environment and can be found in the Earth's interior and in the human body. EMFs are generated essentially anywhere there is a flow of electricity, including electrical appliances and power equipment. Electric fields are associated with the voltage of the source; magnetic fields are associated with the flow of current in a wire. The strength of these fields decreases rapidly with distance from the source. EMFs associated with electricity use are not disruptive to cells like x-rays or ultraviolet rays from the sun. These fields are thought to be too weak to break molecules or chemical bonds in cells. Extensive research has been conducted over the past three decades to determine whether EMFs are associated with adverse health effects. A number of independent scientific panels have reviewed the research and have stated that there is no basis to conclude that EMFs cause adverse health effects nor has it been shown that levels in everyday life are harmful.

### Recent Developments

As a part of the National Energy Policy Act of 1992, the Electric and Magnetic Fields Research and Public Information Dissemination (EMF RAPID) program was initiated within the five-year effort under the National EMF Research Program. The culmination of this five-year effort resulted in a final RAPID Working Group report, which was released for public review in August 1998. The Director of the National Institutes of Environmental Health Sciences (NIEHS) then prepared a final report to Congress after receiving public comments.

The NIEHS' Director's final report, released to Congress on May 4, 1999, concluded that extremely low frequency electric and magnetic fields (ELF-EMF) exposure cannot be recognized at this time as entirely safe because of weak scientific evidence that exposure may pose a leukemia hazard. The Director further stated that the conclusion of this report is insufficient to warrant aggressive regulatory concern.

### Sources for Additional Information

The following websites sponsored by federal agencies or other organizations provide additional information on EMF:

- Centers for Disease Control/National Institute for Occupational Safety and Health: <http://www.cdc.gov/niosh/topics/emf/>
- National Institute of Environmental Health Sciences (NIEHS) EMF Rapid Program: <http://www.niehs.nih.gov/health/topics/agents/emf/>

### 4906-11-01 (C) (3): Estimated Costs

The estimated capital costs by FERC Accounts for the proposed Project are:

Account	Cost
350 Land Rights	\$100,000
355 Poles and Fixtures	\$113,000
356 Overhead Conductors & Devices	\$ 75,500
Removal	\$ 0
Total	\$288,500

## **4906-11-01 (D): Socioeconomic Data**

### **4906-11-01 (D) (1): Land Use**

The Project area is located in an agricultural area. Neighboring land use in the area of the proposed Project is agricultural and residential. Based on the U.S. Bureau of Census estimates, the 2010 population of the Fulton Township was 3,182, and Fulton County was 42,698.

### **4906-11-01 (D) (2): Agricultural Land**

Agricultural land use exists throughout the area of the project. As the existing overhead electric transmission line passes above agricultural land use, it generally is compatible with agricultural land use. Other than temporary impacts for construction access, no significant changes or impacts to the agricultural land use are anticipated.

### **4906-11-01 (D) (3): Archaeological or Cultural Resources**

As part of ATSI's investigation of the project site, a search of the Ohio Historic Preservation Office (OHPO) National Register of Historic Places on-line database was conducted. This search did not identify the existence of any historic sites within the project area. Properties in the OHPO database include all Ohio listings on the National Register of Historic Places as well as districts, sites, buildings, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture.

### **4906-11-01 (D) (4) a : Documentation of Letter of Notification Transmittal**

This Letter of Notification is being provided concurrently to the following officials of Fulton Township, Fulton County, Ohio.

#### **Fulton Township**

Mr. Robert L. Huskins, Chair  
Fulton Township Trustees  
10538 County Road 4  
Swanton, OH 43558

Mr. Joe E. Gombash  
Fulton Township Trustee  
10538 County Road 4  
Swanton, OH 43558

Mr. Scott A. Gillen  
Fulton Township Trustee  
10538 County Road 4  
Swanton, OH 43558

Ms. Vicki L. Smith  
Fulton Township Fiscal Officer  
10538 County Road 4  
Swanton, OH 43558

**Fulton County**

The Honorable Dean A. Genter  
Fulton County Commissioner  
152 S. Fulton Street  
Wauseon, OH 43567

Mr. Frank T. Onweller, P.E., P.S.  
Fulton County Engineer  
9120 County Road 14  
Wauseon, OH 43567

The Honorable Paul D. Barnaby  
Fulton County Commissioner  
152 S. Fulton Street  
Wauseon, OH 43567

Mr. Steven C. Brown, Director  
Fulton County Regional Planning  
Commission  
152 S. Fulton Street  
Wauseon, OH 43567

The Honorable Perry L. Rupp  
Fulton County Commissioner  
152 S. Fulton Street  
Wauseon, OH 43567

Copies of the transmittal letters to these officials have been included with the  
transmittal letter submitting this Letter of Notification to the Ohio Power Siting Board.

**4906-11-01 (D) (4) b: Public Information Program**

Toledo Edison's Manager of External Affairs will advise local officials of features and  
the status of the proposed transmission line Project as necessary.

**4906-11-01 (D) (5): Current or Pending Litigation**

There is no known current or pending litigation involving this Project.

**4906-11-01 (D) (6): Local, State, and Federal Requirements**

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

#### **4906-11-01 (E): Environmental Data**

##### **4906-11-01 (E) (1): Endangered, Threatened, and Rare Species Investigation**

In association with the new Fulton Substation, refer to OPSB Case No. 11-4152-EL-BSB, a request was submitted to the Ohio Department of Natural Resources (ODNR) to research the presence of any endangered, threatened, or rare species within the project area. The ODNR's July 13, 2011 response, attached as Exhibit 6, indicated that the ODNR, Ohio Biodiversity Database contains no data for rare or endangered species within the identified Project area. However, the ODNR, Division of Wildlife (DOW) noted the project area is within range of several endangered species. These include the Indiana Bat, Rayed Bean, Eastern Massasauga, Lark Sparrow and the Purplish Copper. The DOW also noted the Fulton Pond Wildlife Area is within the Project area.

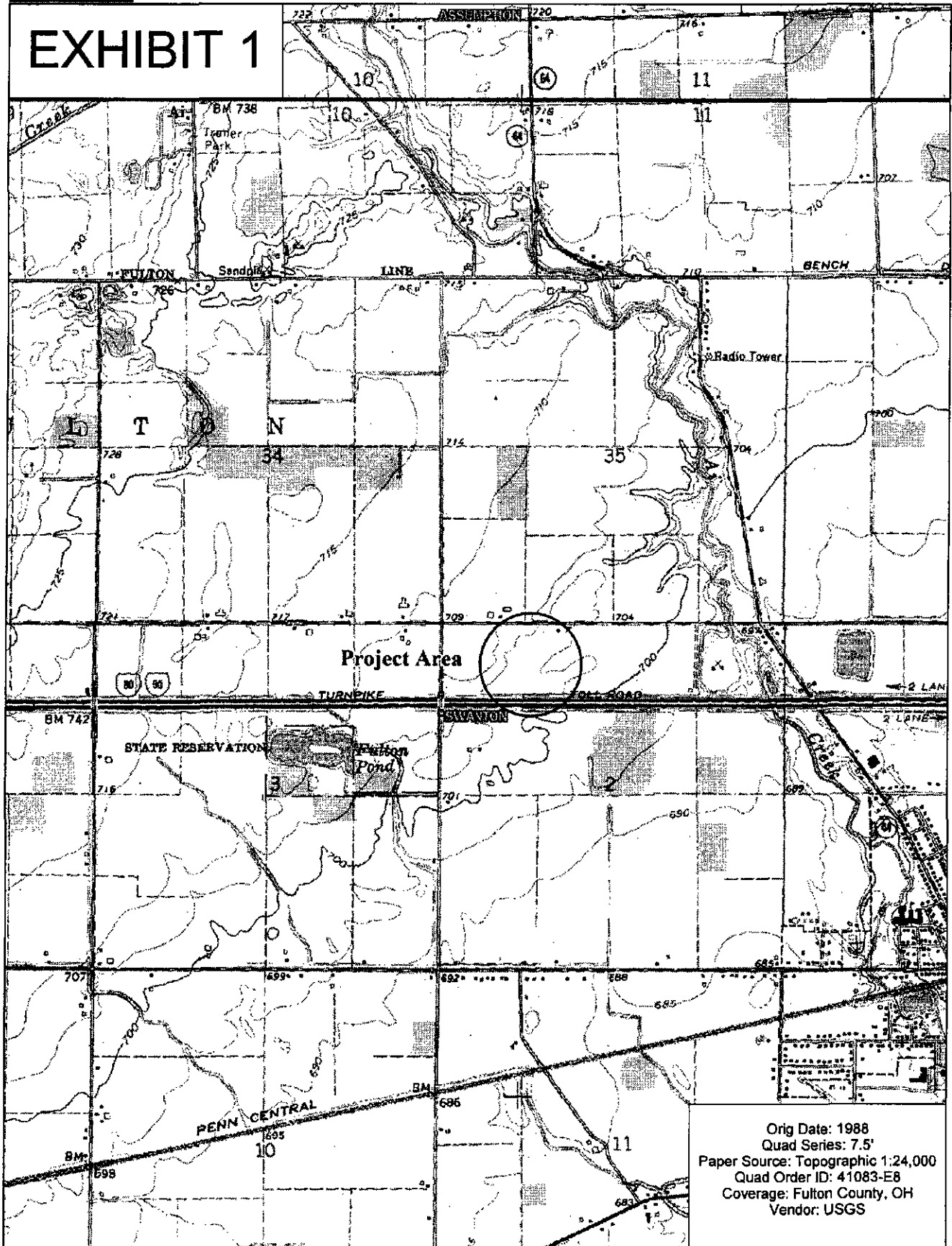
##### **4906-11-01 (E) (2): Areas of Ecological Concern**

A visual assessment of the Project area did not identify any areas of ecological concern in the immediate vicinity of the Project.

##### **4906-11-01 (E) (3): Additional 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 Public Utilities Commission of Ohio and will meet all applicable safety standards established by Occupational Safety and Health Administration.

# EXHIBIT 1



Orig Date: 1988  
 Quad Series: 7.5'  
 Paper Source: Topographic 1:24,000  
 Quad Order ID: 41083-E8  
 Coverage: Fulton County, OH  
 Vendor: USGS

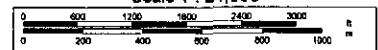
Data use subject to license.

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www.delorme.com



Scale 1 : 24,000



1" = 2,000.0 ft

Data Zoom 13-0

EXISTING ALLEN JUNCTION-MIDWAY 345 kV TRANSMISSION LINE

COUNTY ROAD K

PROPOSED ALLEN JUNCTION-MIDWAY  
345 kV TRANSMISSION LINE TAP  
RELOCATION

EXISTING  
ALLEN JUNCTION-MIDWAY 345 kV  
TRANSMISSION LINE TAP  
TO NORTH STAR STEEL

PROPOSED ALLEN JUNCTION-MIDWAY  
345 kV TRANSMISSION LINE LOOP TO  
THE PROPOSED NEW FULTON SUBSTATION

PROPOSED PREFERRED SITE  
FULTON SUBSTATION



EXISTING DELTA-SWANTON 138 kV TRANSMISSION LINE

COUNTY ROAD 3



FULTON TOWNSHIP,  
SWAN CREEK TOWNSHIP,  
FULTON COUNTY, OHIO

**ATSI**

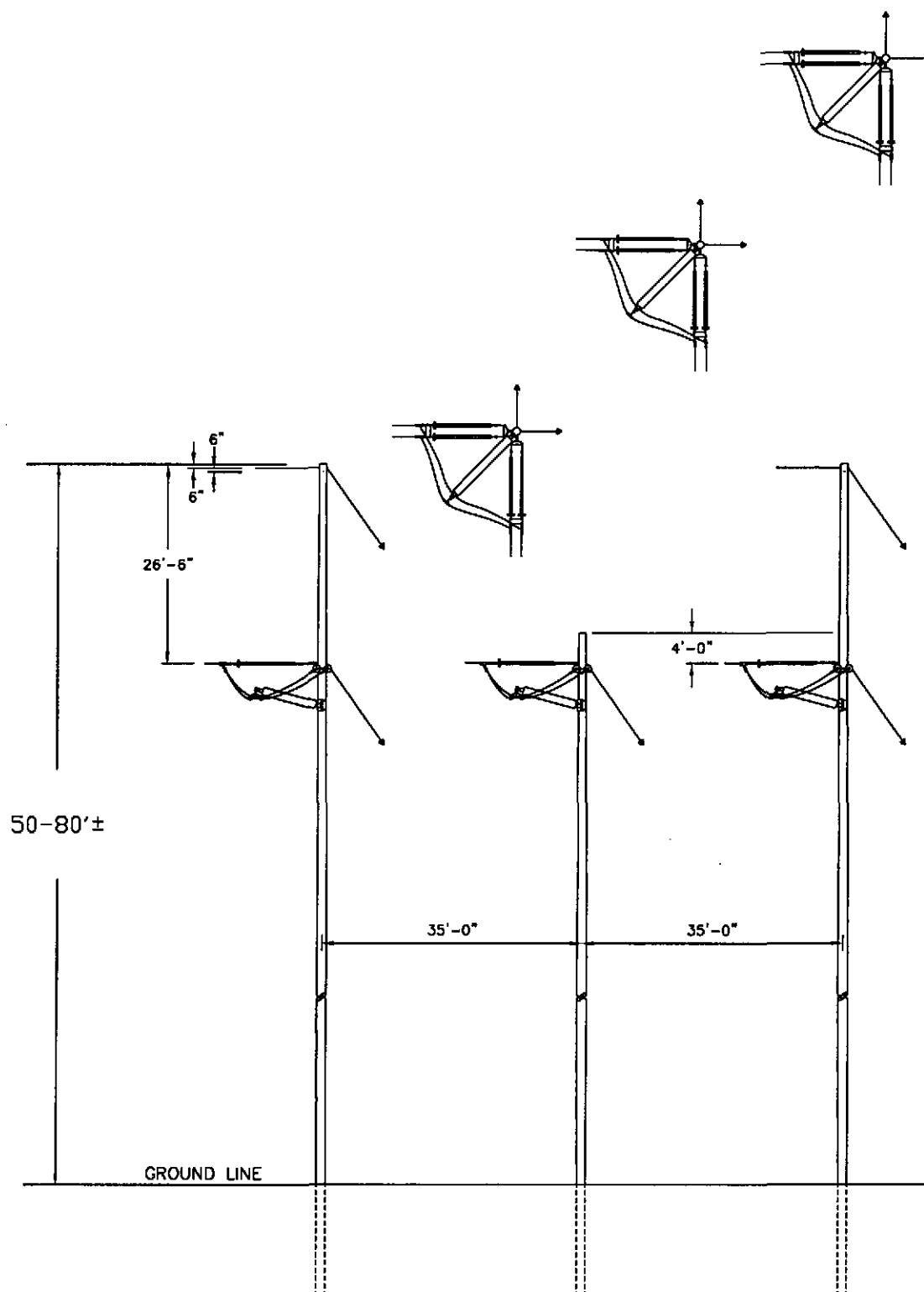
American Transmission Systems, Inc.  
www.atsiinc.com

Allen Junction-Midway 345 kV Transmission  
Line Loop to Fulton Substation and North  
Star Steel 345 kV Transmission Line Tap  
Relocation

GENERAL LAYOUT

EXHIBIT 2





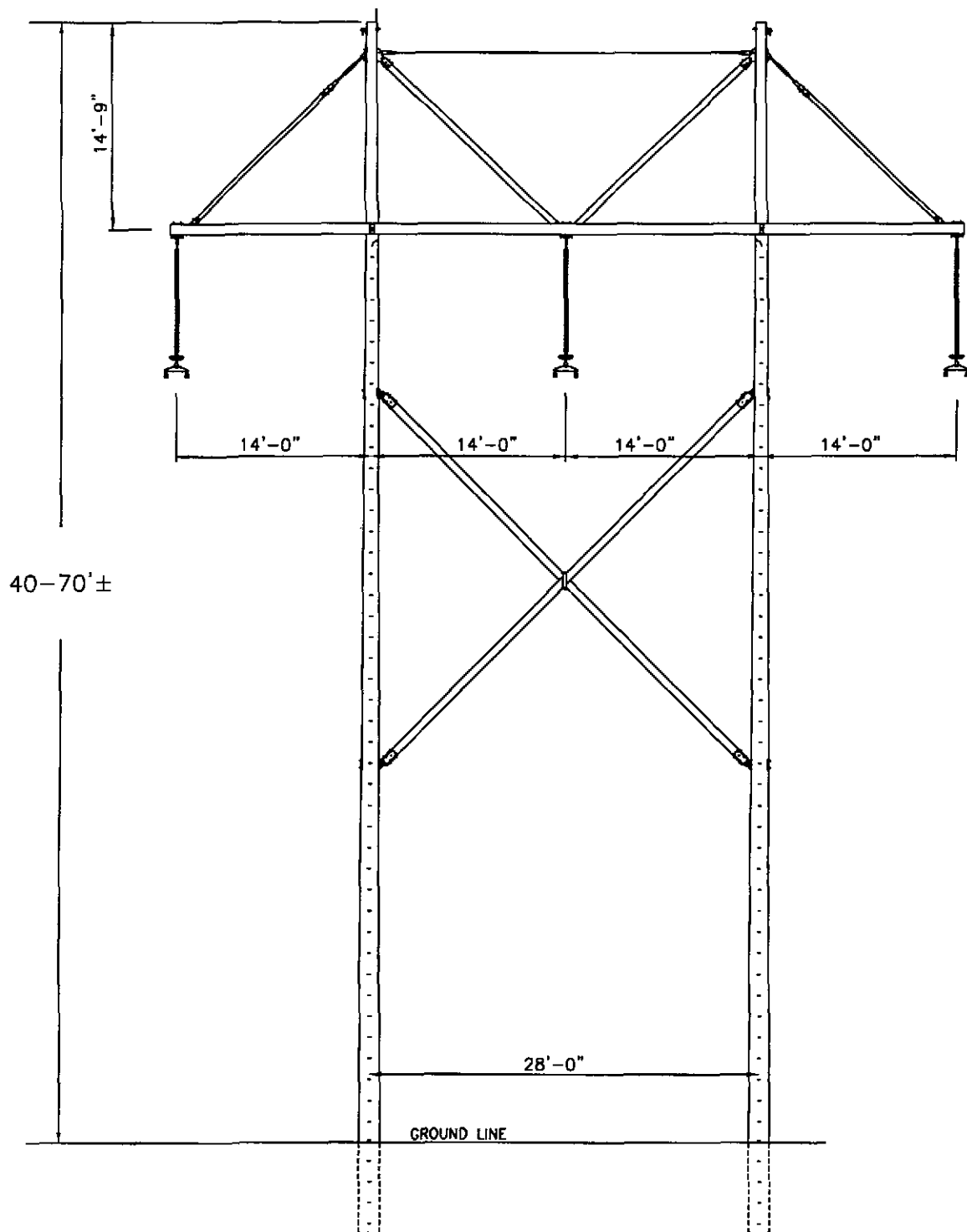
**ATSI.**

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

Allen Junction-Midway 345 kV Transmission  
Line Loop to Fulton Substation and North  
Star Steel 345 kV Transmission Line Tap  
Relocation

Three Pole Dead End Structure

EXHIBIT 3



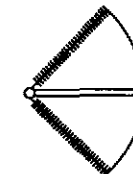
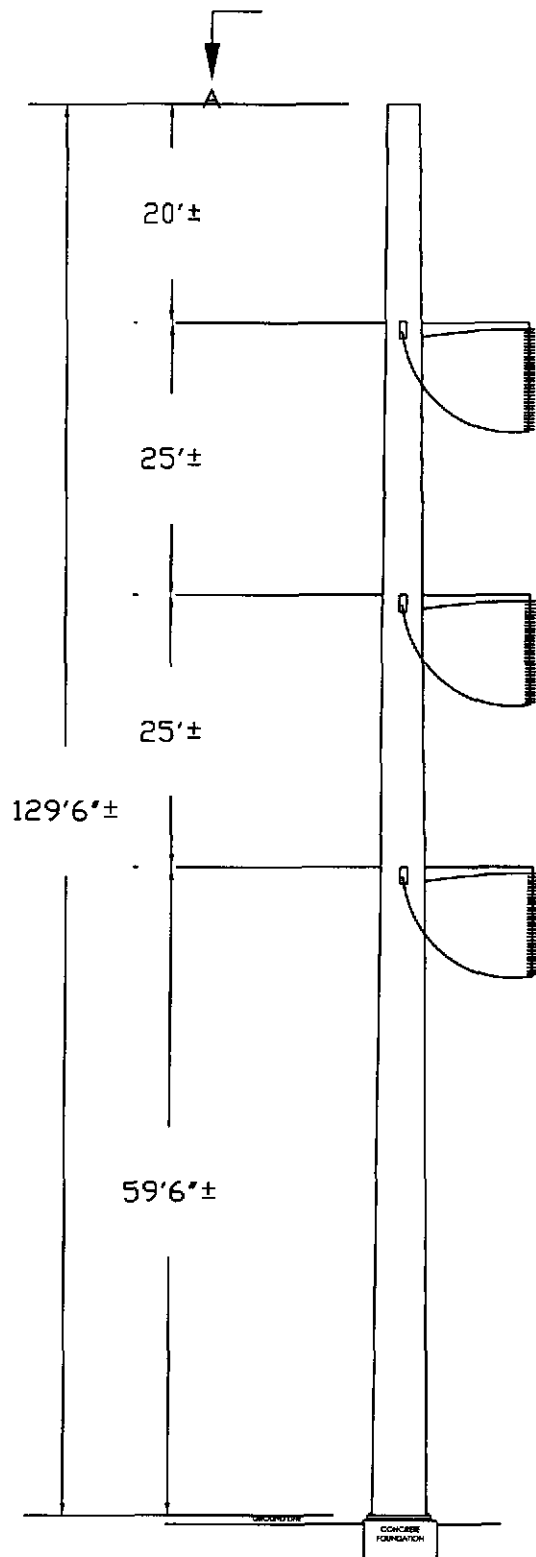
**ATSI**®

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

Allen Junction-Midway 345 kV Transmission  
Line Loop to Fulton Substation and North  
Star Steel 345 kV Transmission Line Tap  
Relocation

2 Pole H-frame

EXHIBIT 4



SECTION A-A

**ATSI**

American Transmission Systems, Inc.  
A subsidiary of Dresser Industries, Inc.

Allen Junction-Midway 345 kV Transmission  
Line Loop to Fulton Substation and North  
Star Steel 345 kV Transmission Line Tap  
Relocation

STEEL DEAD END POLE

EXHIBIT 5

## EXHIBIT 6

**From:** Mitch, Brian [Brian.Mitch@dnr.state.oh.us]  
**Sent:** Wednesday, July 13, 2011 9:46 AM  
**To:** Michael Frank  
**Subject:** 11-0257; ATS Inc., Proposed Fulton Sub-Station and Transmission Line Project  
**Attachments:** 11-0257 map.jpg; 11-0257 map.jpg



#### ODNR COMMENTS TO Mike Frank, GAI Consultants, 625 Eden Park Drive, Suite 1000, Cincinnati, Ohio 45202

**Project:** The project will involve the installation of a substation, poles and an overhead electric transmission line from the proposed substation to the area at or near the intersection of the existing Delta-Swanton 139kV and the Allen Junction Midway 145kV overhead electric transmission lines in Fulton County, Ohio.

The Ohio Department of Natural Resources (ODNR) has completed a review of the above referenced project. These comments were generated by an inter-disciplinary review within the Department. These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), the National Environmental Policy Act, the Coastal Zone Management Act, Ohio Revised Code and other applicable laws and regulations. These comments are also based on ODNR's experience as the state natural resource management agency and do not supersede or replace the regulatory authority of any local, state or federal agency nor relieve the applicant of the obligation to comply with any local, state or federal laws or regulations.

**Rare and Endangered Species:** The ODNR, Ohio Biodiversity Database contains no data for rare or endangered species within this project area. However, the Fulton Pond Wildlife Area (ODNR, Division of Wildlife) is within the project area, as shown in green on the attached map.

Our inventory program has not completely surveyed Ohio and relies on information supplied by many individuals and organizations. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area.

**Fish and Wildlife:** The ODNR, Division of Wildlife (DOW) has the following comments.

The project is within the range of the Indiana bat (*Myotis sodalis*), a state and federally endangered species. The following species of trees have relatively high value as potential Indiana bat roost trees: Shagbark hickory (*Carya ovata*), Shellbark hickory (*Carya laciniata*), Bitternut hickory (*Carya cordiformis*), Black ash (*Fraxinus nigra*), Green ash (*Fraxinus pennsylvanica*), White ash (*Fraxinus americana*), Shingle oak (*Quercus imbricaria*), Northern red oak (*Quercus rubra*), Slippery elm (*Ulmus rubra*), American elm (*Ulmus americana*), Eastern cottonwood (*Populus deltoides*), Silver maple (*Acer saccharinum*), Sassafras (*Sassafras albidum*), Post oak (*Quercus stellata*), and White oak (*Quercus alba*). Indiana bat habitat consists of suitable trees that include dead and dying trees of the species listed above with exfoliating bark, crevices, or cavities in upland areas or riparian corridors and living trees of the species listed above with exfoliating bark, cavities, or hollow areas formed from broken branches or tops. If suitable trees occur within the project area, these trees must be conserved. If suitable habitat occurs on the project area and trees must be cut, cutting must occur between September 30 and April 1. If suitable trees must be cut during the summer months of April 2 to September 29, a net survey must be conducted in May or June prior to cutting. If no tree removal is proposed, the project is not likely to impact this species.

The project is within the range of the rayed bean (*Villosa fabalis*), a state endangered and federal proposed endangered mussel species. If there is a history of mussels near the proposed project area, it may be necessary for a professional malacologist approved by the DOW to conduct a mussel survey in the project area. If no in-water work is proposed in a perennial stream, the project is not likely to impact this species.

The project is within the range of the Eastern massasauga (*Sistrurus catenatus*), a state endangered and a federal candidate snake species. Due to the location of the project, the project is not likely to impact this species.

The project is within the range of the lark sparrow (*Chondestes grammacus*), a state endangered bird. This sparrow nests in grassland habitats with scattered shrub layers, disturbed open areas, as well as patches of bare soil. In the Oak Openings area west of Toledo, lark sparrows occupy open grass and shrubby fields along sandy beach ridges. These summer residents normally migrate out of Ohio shortly after their young fledge or leave the nest. A statewide survey has not been completed for this species. A lack of records does not indicate the species is absent from the area. Therefore, if this type of habitat will be impacted, construction must not occur in this habitat during the species' nesting period of May 1 to June 30. If this habitat will not be impacted, the project is not likely to impact this species.

The project is within the range of the purplish copper (*Lycaena helloides*), a state endangered butterfly, the *Lithophane semiusta*, a state endangered moth, and the *Ufeus plicatus*, a state endangered moth. Due to the habitat used by these species and the type of work proposed the

project is not likely to impact these species.

The Ohio Biodiversity Database has no data for rare or endangered species within this project area. However, the Fulton Pond Wildlife Area (ODNR, Division of Wildlife) is within the project area, as shown in green on the attached map. No impacts can occur within the wildlife area.

ODNR appreciates the opportunity to provide these comments. Please contact Brian Mitch at (614) 265-6378 if you have questions about these comments or need additional information.

Brian Mitch, Environmental Review Manager  
Ohio Department of Natural Resources  
Environmental Services Section  
2045 Morse Road, Building E-3  
Columbus, Ohio 43229-6693  
Office: (614) 265-6378  
Fax: (614) 262-2197  
[brian.mitch@dnr.state.oh.us](mailto:brian.mitch@dnr.state.oh.us)