



Legal Department

American Electric Power  
1 Riverside Plaza  
Columbus, OH 43215-2373  
AEP.com

Chairman Thomas Johnson  
The Public Utilities Commission of Ohio  
Ohio Power Siting Board  
180 East Broad Street  
Columbus, Ohio 43215

August 22, 2014

**Re: Construction Notice for the South Canton 345kv Transformer Lead  
Transmission Line Reconductoring Project  
Case No. 14-1399-EL-BNR**

Yazen Alami, Esq.  
Regulatory Services  
(614) 716-2920 (P)  
(614) 716-2950 (F)  
yalami@aep.com

Dear Chairman Johnson:

In accordance with rules 4906-5-02(B) and 4906-11-02, Ohio Administrative Code ("OAC"), AEP Ohio Transmission Company ("AEP Ohio Transco") submits this Construction Notice for approval. Construction of the project is scheduled to begin in October 2014 and is projected to be placed in service by December 2014.

As required by rule 4906-11-02(C), OAC, AEP Ohio Transco has submitted a copy of this Construction Notice to the chief executive officer of each municipal corporation and county and the head of each public agency charged with protecting the environment or of planning land use in the area in which the proposed project will be located. Attached to the Construction Notice are copies of cover letters that have been submitted.

Should you have any questions, please do not hesitate to contact me.

Respectfully submitted,

/s/ Yazen Alami

Yazen Alami

**CONSTRUCTION NOTICE**

**FOR THE**

**SOUTH CANTON 345KV TRANSFORMER LEAD  
TRANSMISSION LINE RECONDUCTORING PROJECT**

**PUCO Case No. 14-1399-EL-BNR**

**Submitted pursuant to OAC 4906-5-02(B) and 4906-11-02**

**AEP Ohio Transmission Company  
(AEP Ohio Transco)**

**August 2014**

## **CONSTRUCTION NOTICE**

### **South Canton 345kV Transformer Lead Transmission Line Reconductoring Project**

In accordance with Ohio Administrative Code Section 4906-11-02 Construction

Notice Requirements, American Electric Power Ohio Transmission Company (AEP

Ohio Transco) submits the following information:

#### **4906-11-02(B)**

##### **(1) Name of the Project**

The name of the project is the South Canton 345kV Transformer Lead Transmission Line Reconductoring Project.

##### **(2) Description of this Project**

The proposed project consists of replacing approximately 0.3 miles of single circuit 2 bundled conductor wire and insulator assemblies on the two existing dead end lattice steel towers which connects the South Canton 345kV Station with the South Canton 765kV Station. The project is located in Northeastern Ohio east of US-77 (Vietnam Veterans Memorial Highway), north of Brinker Street SW and west of Keiffer Avenue SW, in Section 6 of Pike Township, Stark County, Ohio. The project extends for approximately 1,500 feet.

##### **(3) Need for this Project**

The project is needed to address output limits in the Canton/Akron area. The existing transmission line, a 765/345kV TRF lead, presently limits the output of transformer 3 at the South Canton 765kV yard at 1945 MVA (Transformer rating is 2713 MVA). This transformer serves as a key facility in regards to power transfers in the Canton/Akron area as South Canton station is heavily interconnected with the First Energy system. Reconductoring the transmission line with a high capacity ACSS/TW wire addresses the limitation of the transformer.

This project meets the requirements for a Construction Notice under Item (3) (replacing conductors on existing structures with larger or bundled conductors) of the Attachment A of the Interim Application Requirements Matrices.

**(4) Construction Schedule**

Construction is scheduled to begin mid-October 2014 with an estimated completion date of December 12, 2014.

**(5) Estimated Cost**

<u>FERC Accounts</u>	<u>Estimated Capital Costs</u>
355 Poles and Fixtures	\$0
356 Overhead Conductors and Devices	<u>\$284,641</u>
Total Cost	\$284,641

**(6) Technical Features**

The new conductor will be 2 bundle 1926.9 ACSS/TW (Cumberland) wire.

**(7) Maps**

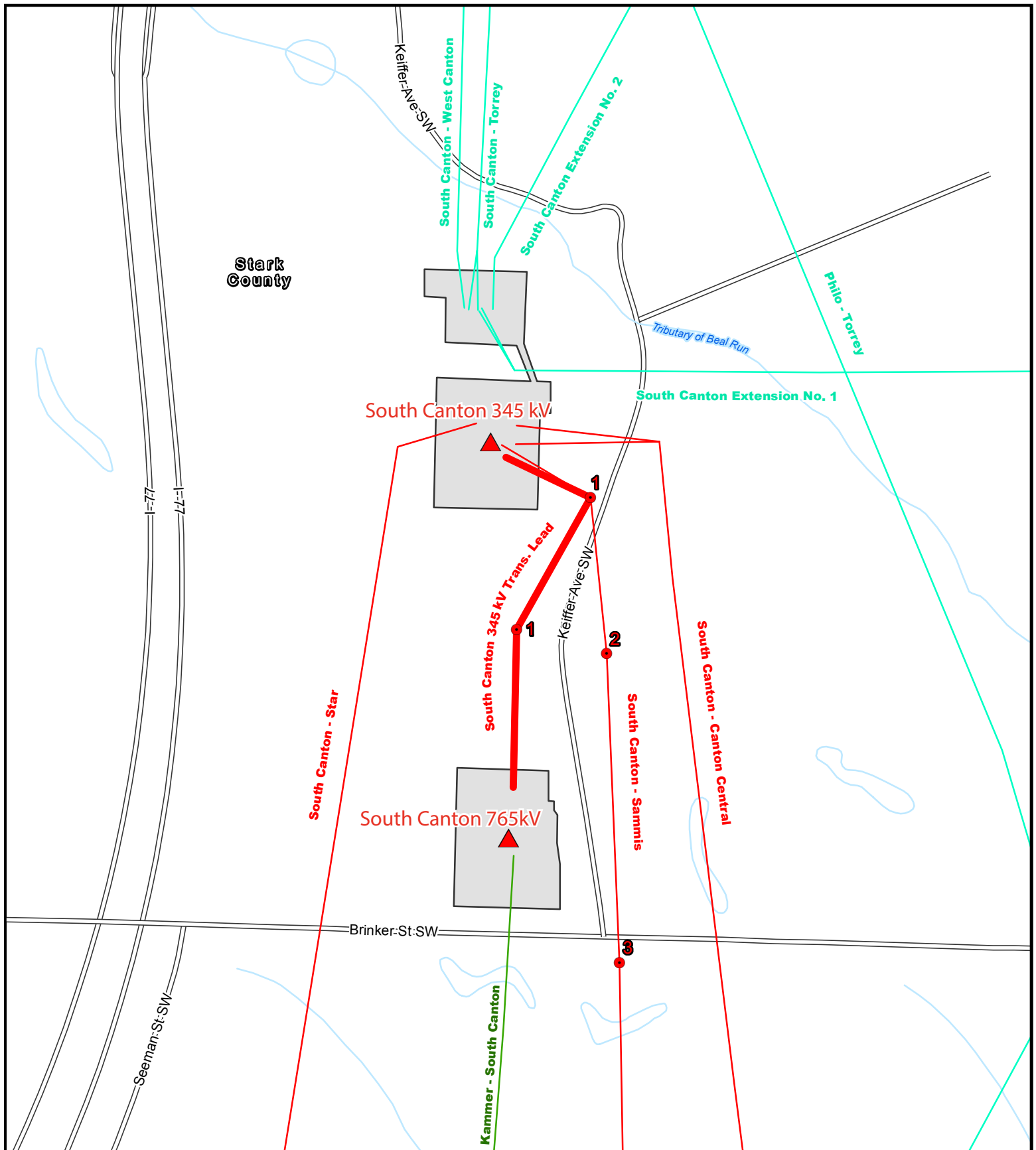
The line is located south of the City of Canton in Section 6 of Pike Township, Stark County, Ohio. Please reference the attached map for project location and line route.

**(8) Properties**

The project is located entirely on property belonging to American Electric Power in fee.

**4906-11-02(C) Notification**

Copies of this Construction Notice have been sent to the Stark County Board of Commissioners as well as the Pike Township Board of Trustees.



		<table border="0"> <tr> <td>▲ Substation</td> <td>— Interstate</td> </tr> <tr> <td>● Existing Structure</td> <td>— Highway</td> </tr> <tr> <td>■ Proposed Structure</td> <td>— Railroad</td> </tr> <tr> <td>— Existing 69 kV</td> <td>— Major/Local Road</td> </tr> <tr> <td>— Existing 88 kV</td> <td>— River/Stream/Lake/Pond</td> </tr> <tr> <td>— Existing 115 kV</td> <td>— Delineated Stream</td> </tr> <tr> <td>— Existing 138 kV</td> <td>— Lake (Location Map)</td> </tr> <tr> <td>— Existing 161 kV</td> <td>— Watershed</td> </tr> <tr> <td>— Existing 345 kV</td> <td>— 100' Right of Way</td> </tr> </table>	▲ Substation	— Interstate	● Existing Structure	— Highway	■ Proposed Structure	— Railroad	— Existing 69 kV	— Major/Local Road	— Existing 88 kV	— River/Stream/Lake/Pond	— Existing 115 kV	— Delineated Stream	— Existing 138 kV	— Lake (Location Map)	— Existing 161 kV	— Watershed	— Existing 345 kV	— 100' Right of Way	<p>Scale: 1" = 500' (1:6,000) If Printed at 8.5in x 11in (Portrait)</p> <p>0 250 500 Feet</p> <p>Projected Coordinate System: Ohio State Plane Datum: North American Datum of 1983 Projection: Lambert Conformal Conic Zone: North Linear Unit: Feet</p>	<p><b>Project Location &amp; Route Map</b> South Canton 345kV Transformer Lead</p> <p>Source: Commonwealth Associates Inc., AEP, ESRI</p>		
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<p><b>Commonwealth</b> associates, inc.</p>		<p>Comments:</p>	<p>Drawn By: JEK Date: 8/8/2014</p>																					

This drawing from Commonwealth Inc. is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender and destroy all copies of the original document.

700 Morrison Rd.  
Gahanna, OH 43230-6642  
PH: (614) 716-1000  
Fax: (614) 552-1818



American Electric Power  
700 Morrison Road  
Gahanna, OH 43230

August 18, 2014

Stark County Regional Planning Commission  
Ms. Jill Gerber  
201 3rd Street Northeast, Suite 201  
Canton, OH 44702

RE: Construction Notice  
South Canton 345-kV Transformer Lead Transmission Line Reconductoring Project  
Case Number: 14-1399-EL-BNR

Dear Ms. Gerber:

In accordance with Rules 4906 of the Ohio Administrative Code (OAC), AEP Ohio Transmission Company (AEP Ohio Transco) is required to submit a Construction Notice to the State of Ohio Power Siting Board (OPSB) whenever certain changes are made to our transmission facilities.

The proposed South Canton 345-kV Transformer Lead Transmission Line Reconductoring Project, Public Utilities Commission of Ohio (PUCO) Case Number 14-1399-EL-BNR, consists of replacing approximately one-third mile of power line on two existing lattice, steel towers that connect the South Canton 345-kV Substation with the South Canton 765-kV Substation. This Project will be done entirely on property owned by AEP. The Project is located in Pike Township in Stark County. Construction is anticipated to begin in mid-October 2014.

In compliance with Rule 4906-11-02 of the OPSB Rules and Regulations, we have prepared and filed the attached Construction Notice. This Notice contains details on the line location, project description and construction schedule, and is submitted for your information.

Please feel free to contact me at 614-552-1929 and I would be happy to answer any questions concerning this project.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brett E. Schmied", is written over a horizontal line.

Brett E. Schmied, J.D.  
Project Outreach Specialist  
American Electric Power

cc: Chuck Hoeft, Project Manager



American Electric Power  
700 Morrison Road  
Gahanna, OH 43230

August 18, 2014

Pike Township Board of Trustees  
Mr. Douglas L. Baum, President  
Mr. Don E. Charnetzky, Trustee  
Mr. Paul Mosberger, Trustee  
Mr. Steven M Knox, Fiscal Officer  
7134 East Sparta Avenue Southeast  
East Sparta, OH 44626

RE: Construction Notice  
South Canton 345-kV Transformer Lead Transmission Line Reconductoring Project  
Case Number: 14-1399-EL-BNR

Dear Trustees:

In accordance with Rules 4906 of the Ohio Administrative Code (OAC), AEP Ohio Transmission Company (AEP Ohio Transco) is required to submit a Construction Notice to the State of Ohio Power Siting Board (OPSB) whenever certain changes are made to our transmission facilities.

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Please feel free to contact me at 614-552-1929 and I would be happy to answer any questions concerning this project.

Sincerely,

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Brett E. Schmied, J.D.  
Project Outreach Specialist  
American Electric Power

cc: Chuck Hoeft, Project Manager



American Electric Power  
700 Morrison Road  
Gahanna, OH 43230

August 18, 2014

Stark County Engineer  
Mr. Keith Bennett  
5165 Southway Street Southwest  
Canton, OH 44706

RE: Construction Notice  
South Canton 345-kV Transformer Lead Transmission Line Reconductoring Project  
Case Number: 14-1399-EL-BNR

Dear Mr. Bennett:

In accordance with Rules 4906 of the Ohio Administrative Code (OAC), AEP Ohio Transmission Company (AEP Ohio Transco) is required to submit a Construction Notice to the State of Ohio Power Siting Board (OPSB) whenever certain changes are made to our transmission facilities.

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Brett E. Schmied, J.D.  
Project Outreach Specialist  
American Electric Power

cc: Chuck Hoeft, Project Manager





American Electric Power  
700 Morrison Road  
Gahanna, OH 43230

August 18, 2014

Stark County Board of Commissioners  
Mr. Tom Bernabei, Commissioner  
Ms. Janet Weir Creighton, Commissioner  
Mr. Richard Regula, Commissioner  
110 Central Plaza South, Suite 240  
Canton, OH 44702

RE: Construction Notice  
South Canton 345-kV Transformer Lead Transmission Line Reconductoring Project  
Case Number: 14-1399-EL-BNR

Dear Commissioners:

In accordance with Rules 4906 of the Ohio Administrative Code (OAC), AEP Ohio Transmission Company (AEP Ohio Transco) is required to submit a Construction Notice to the State of Ohio Power Siting Board (OPSB) whenever certain changes are made to our transmission facilities.

The proposed South Canton 345-kV Transformer Lead Transmission Line Reconductoring Project, Public Utilities Commission of Ohio (PUCO) Case Number 14-1399-EL-BNR, consists of replacing approximately one-third mile of power line on two existing lattice, steel towers that connect the South Canton 345-kV Substation with the South Canton 765-kV Substation. This Project will be done entirely on property owned by AEP. The Project is located in Pike Township in Stark County. Construction is anticipated to begin in mid-October 2014.

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Sincerely,

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Brett E. Schmied, J.D.  
Project Outreach Specialist  
American Electric Power

cc: Chuck Hoeft, Project Manager



American Electric Power  
700 Morrison Road  
Gahanna, OH 43230

August 18, 2014

Stark County District Library  
Ms. Tena Wilson, Director  
715 Market Avenue  
North Canton, OH 44702

RE: Construction Notice  
South Canton 345-kV Transformer Lead Transmission Line Reconductoring Project  
Case Number: 14-1399-EL-BNR

Dear Ms. Wilson:

In accordance with Rules 4906 of the Ohio Administrative Code (OAC), AEP Ohio Transmission Company (AEP Ohio Transco) is required to submit a Construction Notice to the State of Ohio Power Siting Board (OPSB) whenever certain changes are made to our transmission facilities.

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In compliance with Rule 4906-11-02 of the OPSB Rules and Regulations, we have prepared and filed the attached Construction Notice. This Notice contains details on the line location, project description and construction schedule, and is submitted for your information.

We ask that this Construction Notice be made available to the general public.

Please feel free to contact me at 614-552-1929 and I would be happy to answer any questions concerning this project.

Sincerely,

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Brett E. Schmied, J.D.  
Project Outreach Specialist  
American Electric Power

cc: Chuck Hoeft, Project Manager

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**8/22/2014 10:58:21 AM**

**in**

**Case No(s). 14-1399-EL-BNR**

Summary: Application In the Matter of the Construction Notice for the South Canton 345kV Transmission Line Reconductoring Project electronically filed by Mr. Yazen Alami on behalf of AEP Ohio Transmission Company