

FILE

The Honorable Todd A. Snitchler, Chairman
Ohio Power Siting Board
180 East Broad Street
Columbus, Ohio 43215

RECEIVED-DOCKETING DIV
2011 AUG 30 AM 11:43
PUCO

August 30, 2011

RE: **Letter of Notification**
Case No. 11-4805-EL-BLN Yellow Creek 138 kV Extension

Erin C. Miller
Contract Counsel
(614) 716-1637 (P)
(614) 716-2014 (F)
ecmiller1@aep.com

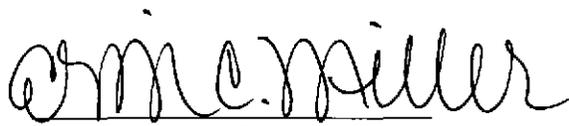
Dear Chairman Snitchler:

In accordance with Rules 4906-5-02 and 4906-11-01, Ohio Administrative Code ("OAC"), American Electric Power submits this Letter of Notification for expedited approval. Please find attached a copy of Check #0140 in the amount of \$2,000 for the expedited application processing fee. Construction to relocate the 0.42 miles of line for the Yellow Creek 138 kV Extension is expected to begin in October of 2011. This project is scheduled to be completed in February 2012.

As required by Rule 4906-11-01(D)(4), AEP has submitted a copy of this Letter of Notification 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. Please find attached copies of cover letters that have been submitted to the Village of Leipsic, the Putnam County Commissioners and the Van Buren Township Trustees. Furthermore, please find attached a copy of the letter received from the Ohio Department of Natural Resources.

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

Respectfully Submitted,


Erin C. Miller, Counsel

cc: Klaus Lambeck
Kim Wissman

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 re Date Processed 8/30/2011

Letter of Notification

for the

Yellow Creek 138 kV Extension

Case No. 11-4805-EL-BLN

Submitted by

American Electric Power

to

The State of Ohio Power Siting Board

August 2011

Letter of Notification

In accordance with Ohio Administrative Code Section 4906-11-01 Letter of Notification, American Electric Power dba Ohio TRANSCO submits the following information:

4906-11-01 (B) General Information

4906-11-01 (B) (1) Project Name and Reference Number

The name of this project is the Yellow Creek 138 kV Extension. This project is not identified in Ohio Power and Columbus Southern Power Company's latest Long-Term Forecast. This project was not known at the time the long term forecast was prepared.

4906-11-01 (B) (1) Description of the Project

This project consists of installing 0.42 miles of the new double circuit steel structures on the Yellow Creek 138kV Extension for PRO-TEC Coating Company located in Leipsic, Ohio. In total, there will be 10 structures installed. One (1) existing single circuit steel deadend will be replaced with a one pole double circuit steel deadend, seven (7) steel double circuit tangents, (1) two pole steel double circuit running corner, and one (1) steel two pole deadend will be constructed. All tangents are direct embedded. The deadend and running corner structures will have pier foundations. The transmission line will be 138kV with 34.5kV underbuild. This project is on land owned by PRO-TEC Coating Company.

4906-11-01 (B) (1) Reason the Project Meets Letter of Notification Requirements

This project meets the requirements for a Letter of Notification because the extent of this project is defined by Item (1) (e) of the Appendix A "Application Requirement Matrix for Electric Power Transmission Lines". This project consists of rerouting a line, which is greater than 125 kV, but less than 300 kV, and is not greater than two (2) miles in length.

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

PRO-TEC Coating Company has requested a need for 138kV service with back-up 34.5kV service due to the expansion of their facilities. This project will extend

the East Leipsic-East Lima 138kV circuit to the new 138kV/12kV distribution station being built to serve PRO-TEC.

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

The location of this project is shown on Maps 1 and 2. Map 1 is the project area on a USGS map of the area with existing transmission lines. Map 2 is a detailed location map of PRO-TEC Coating Company's property.

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

No alternative locations were considered. PRO-TEC Coating Company specified the location of the distribution station. Pole locations were picked to reduce conflicts with the ongoing construction and PRO-TEC's daily business activities.

4906-11-01 (B) (5) Anticipated Construction Schedule

Construction to relocate the 0.42 miles of line is expected to begin in October of 2011. This project is scheduled to be completed in February 2012.

4906-11-01 (B) (6) Maps Depicting Project Location

Two (2) maps, Maps 2 and 3 have been prepared to show the project location. Map 2, PRO-TEC's property, is a detailed view of the project area. Map 3, Ohio map, shows the project area in relation to Columbus, Ohio. To visit the proposed line, take US Route 23 North out of Columbus, OH. US Route 23 North turns into Ohio 15 West. Follow OH-15 West as it merges with Interstate 75 North toward Findlay, Ohio. Take exit 159 for OH-15 West/ Highway 224. Turn right onto OH-186 North then left onto OH-613 West. Turn right onto County Road 5. The proposed line will be on the left approximately 1.5 miles. The project area is an active construction zone. Please make appropriate arrangements before entering PRO-TEC Coating Company's property.

4906-11-01 (B) (7) Property Easements

The project will be located on new easements obtained by American Electric Power. No other additional right-of-way rights are required. The names and addresses of those owners are listed below:

PRO-TEC Coating Company
5000 County Road #5
Leipsic, OH 45856

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

4906-11-01 (C) (1) Description of Technical Features

The proposed line will be designed for and operated at 138 kV. Figure 1 shows the typical steel pole tangent structure that is to be installed. Figure 2 shows the typical two pole steel structure that is to be installed. Three (3) 1,033.5 kcmil ACSR 54/7 conductors and one (1) 7 Number 8 alumoweld shield wire will be installed and supported by the new structures.

4906-11-01 (C) (1) Number and Type of Structures

Seven (7) single steel pole tangent structures (Figure 1), one (1) single pole steel deadend, one (1) steel two pole deadend structure (Figure 2), and one (1) steel two pole running angle structure are to be installed.

4906-11-01 (C) (1) Right of Way and Land Requirements

The relocated line will be constructed on land owned by PRO-TEC Coating Company. American Electric Power will obtain one (1) new easement from PRO-TEC Coating Company. No other land rights will be required.

4906-11-01 (C) (2) (a) Calculated Electric and Magnetic Field Levels

Line Loadings & Rating

Line	Normal Maximum Loading	Emergency Line Loading	Winter Normal Conductor Rating
	(Amps)	(Amps)	(Amps)
Yellow Creek 138kV Extension	648	732	1569

The electrical and magnetic field levels for the proposed project were calculated for the conductor configuration that is to be used on this project. This configuration is shown in Figure 3.

Conductor Condition	Electrical Field (kV/M)		Magnetic Field (mG)	
	Max Under Line	Edge of R.O.W.	Max Under Line	Edge of R.O.W.
Normal Maximum Loading				
Yellow Creek 138kV Extension	0.64	0.21	5.30	3.40
Emergency Line Loading				
Yellow Creek 138kV Extension	0.21	0.64	5.90	3.70
Winter Normal Condition Rating				
Yellow Creek 138kV Extension	0.20	0.68	13.20	6.20

4906-11-01 (C) (2) (b) Discussion of Design Alternatives

PRO-TEC Coating Company requested a structure design to minimize the width of right of way needed and to use the least number of poles as necessary. The electric and magnetic fields associated with these new structures are very similar to the existing structures in the area.

4906-11-01 (C) (3) Estimated Capital Costs

The following estimated 2011 capital costs for the proposed project have been tabulated by the Federal Energy Regulatory Commission (FERC) Electric Plant Transmission Accounts:

FERC Accounts	Estimated Capital Costs
350 Land and Land Rights (RW)	\$ 0
355 Poles and Fixtures	\$ 313,256
356 Overhead Conductors and Devices	\$ 105,409
Total	\$ 418,665

4906-11-01 (D) Socioeconomic Data

4906-11-01 (D) (1) Land Use and Population Density

This project is located in Van Buren Township, Village of Leipsic and Putnam County, Ohio. The immediate area surrounding the project is an active industrial

area. It has been industrially developed or is currently being industrially developed. The project area (Putnam County, Ohio) has a population density of 71 people per square mile based upon 2009 census data.

4906-11-01 (D) (2) Location and Description of Existing Agricultural Districts

The proposed transmission line is not within any agricultural and/or within the limits of an Agricultural District as defined by Chapter 929 of the Ohio Revised Code.

4906-11-01 (D) (3) Archaeological and Cultural Resources

This project area is within an active industrial site that has already been disturbed. A search of the Ohio Historic Preservation Office (OHPO) National Register of Historic Places on-line databases was conducted and did not identify the existence of any historic sites within the project area. Properties on the OHPO database include all 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) Local Officials to be Notified

Copies of this Letter of Notification have been sent to the Putnum County Commissioners, Trustees of Van Buren Township, and the Mayor of Leipsic, Ohio. Copies of these cover letters are attached.

4906-11-01 (D) (4) Public Information Program

This project is completely located on land owned by PRO-TEC Coating Company. Adjacent property owners will not be affected by this proposed project.

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

There is no litigation involving this project and none is expected.

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

This line will be designed, constructed and operated to meet or exceed the requirements of the National Electric Safety Code, AEP design standards and all applicable OSHA standards.

4906-11-01 (E) Environmental

4906-11-01 (E) (1) Endangered or Threatened Species

The Ohio Department of Natural Resources was contacted regarding the presence of any endangered, threatened, or rare species that may be affected by this project. The O.D.N.R. responded and found no evidence or records of endangered / threatened species within the project area. A copy of their response is attached.

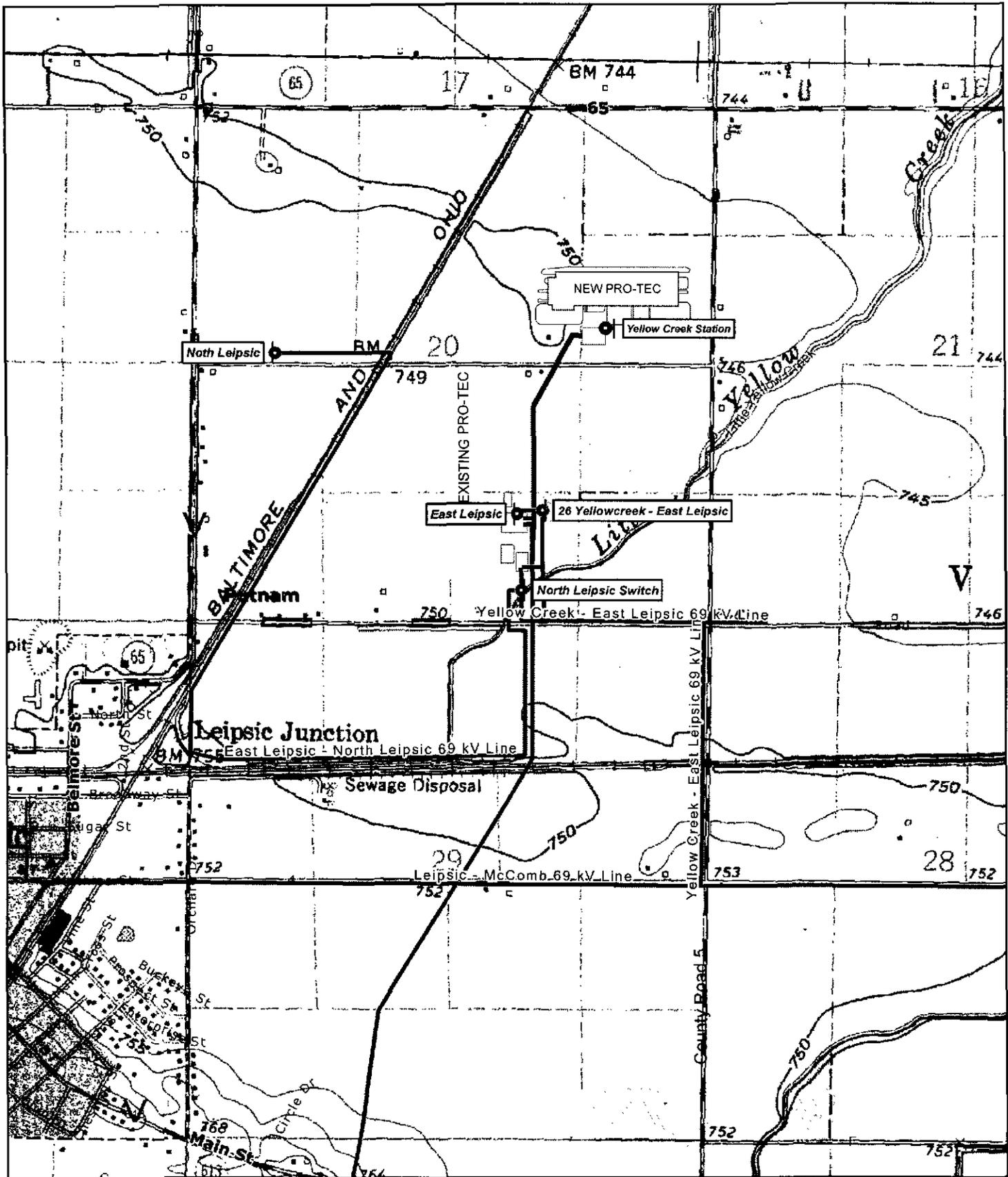
4906-11-01 (E) (2) Areas of Ecological Concern

The Ohio Department of Natural Resources was contacted regarding areas of ecological concern in the vicinity of the project. O.D.N.R. did not find any areas of ecological concern in their records. A copy of their response is attached.

4906-11-01 (E) (3) Additional Information

There are no unusual conditions that will result in significant environmental or social impacts from the installation and operation of this new 138 kV transmission line project.

Appendix



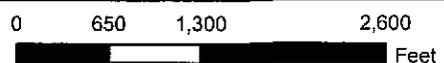
Yellow Creek 138kV Extension Project Location

Map 1

Transmission Line Projects Engineering Group

Legend

- Existing 69kV Line
- Proposed 138kV Line
- Existing 138kV Line
- Station Outline



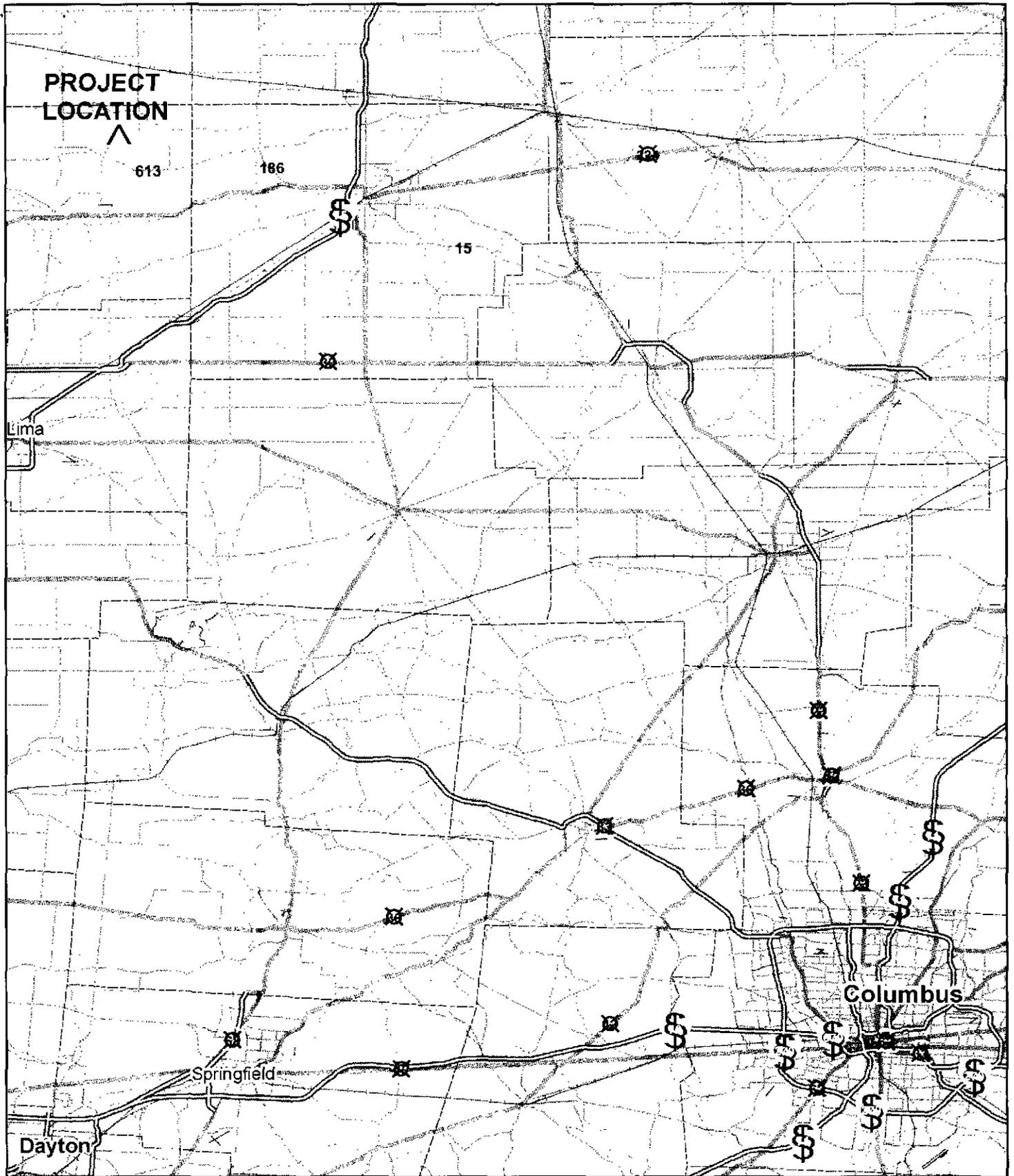
This drawing from the Transmission Line Projects Engineering Group of American Electric Power is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended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



O	Yellow Creek 138kV Extension Detailed Project Location	Map 2
Transmission Line Projects Engineering Group		

	Legend		0 250 500 1,000 Feet
	Existing 69kV Line Existing 138kV Line	Proposed 138kV Line Station Outline	

This drawing from the Transmission Line Projects Engineering Group of American Electric Power 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.



**PROJECT
LOCATION**



613

186

15

Lima

Springfield

Dayton

Columbus



DO NOT SCALE

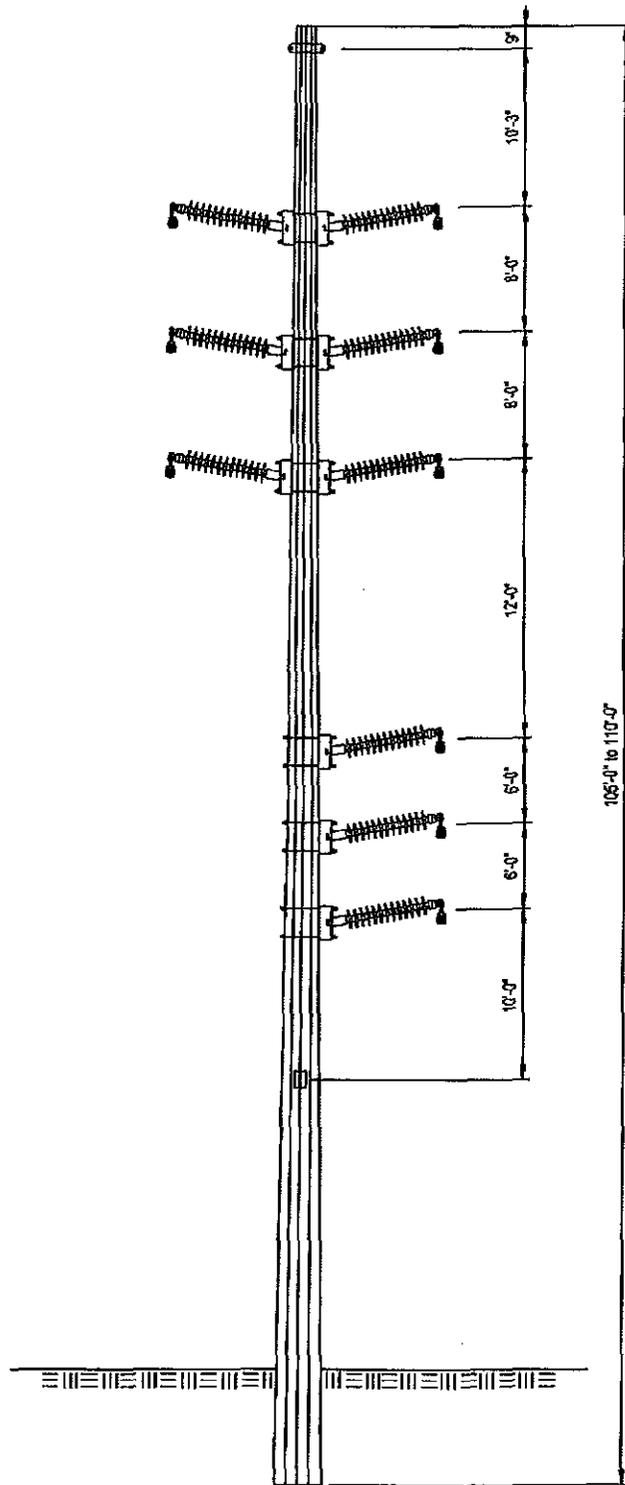
**Project Location in Relation
to Columbus, OH**

Map 3



This drawing from the Transmission Line Projects Engineering Group of American Electric Power 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.



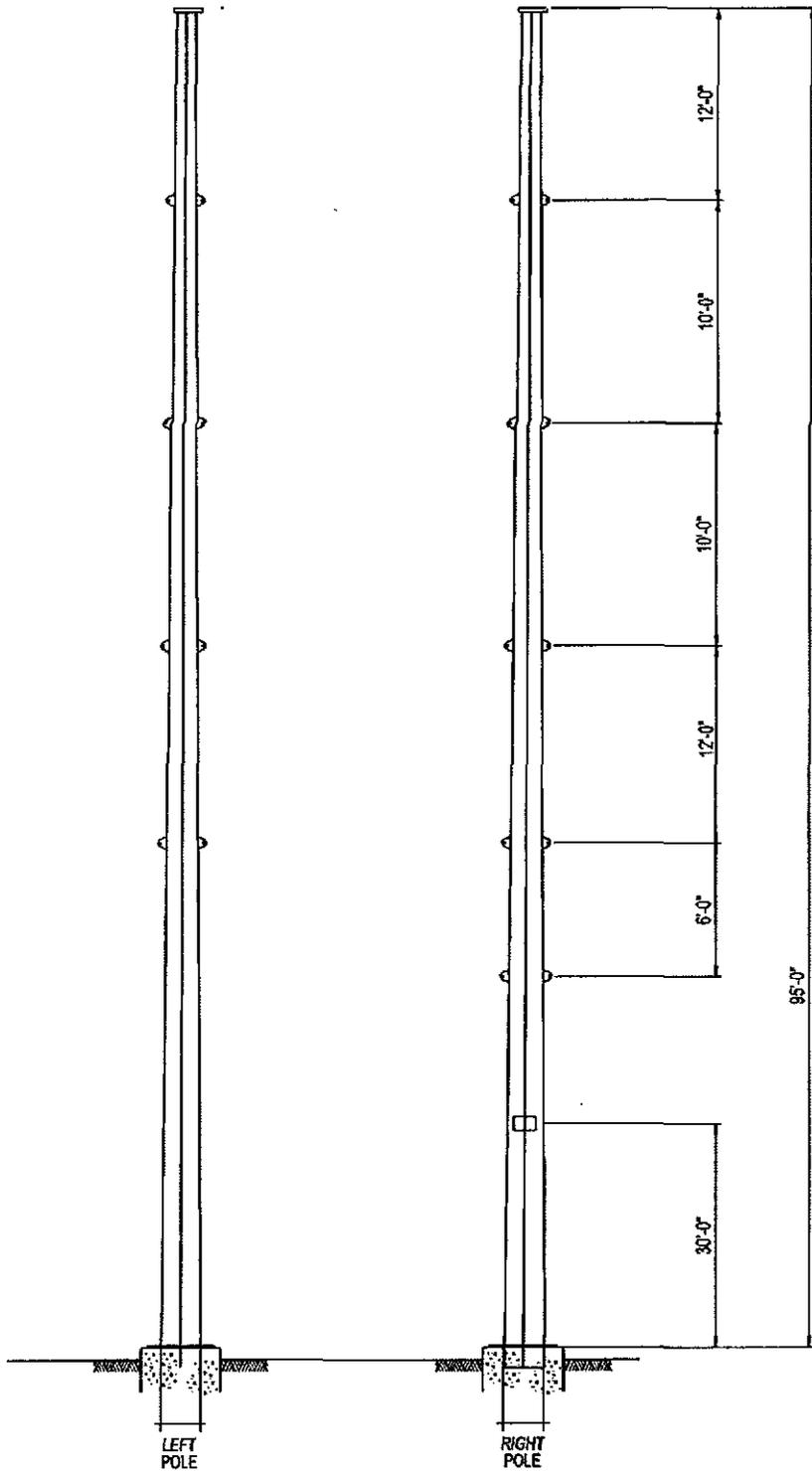


**YELLOW CREEK 138kV EXTENSION
 TYPICAL STRUCTURE CONFIGURATION
 STEEL SINGLE POLE**



FIGURE 1

SCALE: NOT TO SCALE



**YELLOW CREEK 138kV EXTENSION
TYPICAL STRUCTURE CONFIGURATION
STEEL 2-POLE**



FIGURE 2

SCALE: NOT TO SCALE



Ohio Department of Natural Resources

JOHN R. KASICH, GOVERNOR

DAVID MUSTINE, DIRECTOR

Ohio Division of Wildlife

David B. Lane, Chief
2045 Morse Rd., Bldg. G
Columbus, OH 43229-6693
Phone: (614) 265-6300

July 28, 2011

Jessica Scott
American Electric Power
700 Morrison Rd.
Gahanna, OH 43230

Dear Ms. Scott:

After reviewing our Biodiversity Database, I find the Division of Wildlife has no records of rare or endangered species in the Yellow Creek 138 kV Extension project area, including a one mile radius, in section 20 of Van Buren Township, Putnam County, and on the Leipsic Quad (41728326). We are unaware of any unique ecological sites, geologic features, animal assemblages, scenic rivers, state wildlife areas, nature preserves, parks or forests, national wildlife refuges, parks or forests or other protected natural areas within a one mile radius of the project area.

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. Although we inventory all types of plant communities, we only maintain records on the highest quality areas.

Please contact me at 614-265-6818 if I can be of further assistance.

Sincerely,

Debbie Woischke, Ecological Analyst
Ohio Biodiversity Database Program



American Electric Power
700 Morrison Road
Gahanna, OH 43230

August 2, 2011

Mayor Kevin J. Benton
Village of Leipsic, OH
142 East Main Street
Leipsic, Ohio 45856

**Letter of Notification
Yellow Creek 138kV Extension
New Transmission Line**

Dear Mayor:

In accordance with Chapter 4906 of the Ohio Administrative Code, American Electric Power is required to submit a Letter of Notification to the State of Ohio Power Siting Board whenever a substantial change is made to their transmission facilities.

American Electric Power is planning to build .42 miles of new 138kV Transmission Line for PRO-TEC Coating Company, due to the expansion of their facility in Leipsic, Ohio. The new transmission line will be located completely on PRO-TEC Coating Company property.

In compliance with Rule 4906-11-01 of the OPSB Rules and Regulations, we have prepared and filed the attached Letter of Notification. This Notification contains details on the structures, structure types and construction schedules and is hereby submitted for your information.

Cordially,

A handwritten signature in cursive script that reads "Jessica L. Scott".

Jessica L. Scott
American Electric Power
Transmission Line Engineering
614-552-1825

Enclosure

cc. Ohio Power Siting Board



American Electric Power
700 Morrison Road
Gahanna, OH 43230

August 2, 2011

Putnam County Commissioners
John Love
Travis Jerwers
Vince Schroeder
245 E. Main Street, Suite 101
Ottawa, Ohio 45875

**Letter of Notification
Yellow Creek 138kV Extension
New Transmission Line**

Dear Commissioners:

In accordance with Chapter 4906 of the Ohio Administrative Code, American Electric Power is required to submit a Letter of Notification to the State of Ohio Power Siting Board whenever a substantial change is made to their transmission facilities.

American Electric Power is planning to build .42 miles of new 138kV Transmission Line for PRO-TEC Coating Company, due to the expansion of their facility in Leipsic, Ohio. The new transmission line will be located completely on PRO-TEC Coating Company property.

In compliance with Rule 4906-11-01 of the OPSB Rules and Regulations, we have prepared and filed the attached Letter of Notification. This Notification contains details on the structures, structure types and construction schedules and is hereby submitted for your information.

Cordially,

A handwritten signature in black ink that reads "Jessica L. Scott". The signature is written in a cursive style.

Jessica L. Scott
American Electric Power
Transmission Line Engineering
614-552-1825

Enclosure

cc. Ohio Power Siting Board



American Electric Power
700 Morrison Road
Gahanna, OH 43230

August 2, 2011

Van Buren Township Trustees
107 Grand Avenue
Leipsic, Ohio 45856

**Letter of Notification
Yellow Creek 138kV Extension
New Transmission Line**

Dear Trustees:

In accordance with Chapter 4906 of the Ohio Administrative Code, American Electric Power is required to submit a Letter of Notification to the State of Ohio Power Siting Board whenever a substantial change is made to their transmission facilities.

American Electric Power is planning to build .42 miles of new 138kV Transmission Line for PRO-TEC Coating Company, due to the expansion of their facility in Leipsic, Ohio. The new transmission line will be located completely on PRO-TEC Coating Company property.

In compliance with Rule 4906-11-01 of the OPSB Rules and Regulations, we have prepared and filed the attached Letter of Notification. This Notification contains details on the structures, structure types and construction schedules and is hereby submitted for your information.

Cordially,

A handwritten signature in cursive script, appearing to read "Jessica L. Scott", is written over the typed name.

Jessica L. Scott
American Electric Power
Transmission Line Engineering
614-552-1825

Enclosure

cc. Ohio Power Siting Board