

**Legal Department** 

Chairman Thomas W. Johnson Ohio Power Siting Board 180 East Broad Street Columbus, Ohio 43215

January 26, 2015

**Re:** Construction Notice for the Portsmouth Area Structure Relocation

**Project** 

**Case No. 15-0098-EL-BNR** 

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 expedited approval. The expedited processing fee will be submitted under separate cover. Construction of the project is scheduled to begin in March 2015 and the project is scheduled to be placed in-service in June 2015.

As required by rule 4906-11-02(C), OAC, AEP Ohio Transco has submitted a copy of the enclosed 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 the letters that have been submitted.

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

Respectfully submitted,

/s/ Ajay Kumar

Ajay Kumar

Attachments

Ajay Kumar Regulatory Services (614) 716-2959 (614) 716-2950 (F) akkumar@aep.com

## **CONSTRUCTION NOTICE**

### **FOR THE**

## PORTSMOUTH AREA STUCTURE RELOCATION PROJECT

PUCO Case No. 15-0098-EL-BNR

**Submitted pursuant to OAC 4906-11-02** 

**AEP Ohio Transmission Company** 

January 2015

#### **CONSTRUCTION NOTICE**

#### **Portsmouth Area Structure Relocation Project**

AEP Ohio Transmission Company is providing the following information in accordance with the procedures delineated in Ohio Administrative Code Section 4906-11-02: Construction Notice Requirements of the Rules and Regulations of the Ohio Power Siting Board (OPSB).

#### 4906-11-02(B) General Information

1. The name of the project.

The name of this project is the *Portsmouth Area Structure Relocation Project* (Project) and the Ohio Power Siting Board (OPSB) Case number is 15-0098-EL-BNR.

2. A brief description of the project, including a map depicting the facility's location and the reason why the project meets the requirements for a construction notice.

The Project consists of the modification of AEP Ohio Transmission Company 's existing 138 kilovolt (kV) transmission lines along the following segments due to the Ohio Department of Transportation's Portsmouth Bypass Project. All replacement structures will be within the existing 100-feet AEP Ohio Transmission Company right-of-way (ROW) corridor. The proposed work activities include:

- Lucasville Sargents 138 kV Transmission Line replacement of
   Structures 15, 16, 17, and 18 with taller steel H-frame structures. Structure
   17 will be shifted approximately 40 feet north of the existing structure 17,
   and structure 18 will be replaced with a 3-pole steel angled structure.
- Sporn Portsmouth 138 kV Transmission Line The existing lattice
   Tower 215 will be removed and replaced with a self-supporting steel pole
   deadend structure and will be shifted approximately 50-feet east along the
   current centerline.

 South Point – Portsmouth 138 kV Transmission Line – The existing lattice Tower #138 will be removed and replaced with two new steel deadend structures (Structures#138A and #138B).

The Project is located in Harrison and Valley Townships, and Lucasville (a census designated place) in Scioto, County Ohio (Figure 1).

The Project meets the requirements for a Construction Notice because it is within the types of projects defined by in Ohio Administrative Code Section 4906-11-01 Item 9 of Appendix A "Application Requirement Matrix for Electric Power Transmission Lines," which state:

- (9) Replacement or relocation of an electric power transmission line and associated facilities where the project is required by publically funded entities and is located on or adjacent to right-of-way or land owned by the public entity requiring the project.
- 3. If the proposed construction notice project is an electric power transmission line or gas or natural gas transmission line, a statement explaining the need for the proposed facility.

Work on the Portsmouth Bypass 138kV lines is being driven by the Ohio Department of Transportation's (ODOT) new highway construction known as the Portsmouth Bypass. The Portsmouth Bypass is a four-lane, divided, limited-access highway around the City of Portsmouth in Scioto County, Ohio. The highway, to be designated State Route 823 will comprise 16 miles of four lane divided highway, bypassing approximately 26 miles of US 52 and US 23 through Portsmouth.

4. The anticipated construction schedule and proposed in-service date of the project.

Access road construction and tree clearing is scheduled to begin in the end of February 2015. Construction of the 138 kV transmission line modifications are expected to begin in March 2015, and is scheduled to be in service June 2015.

#### 5. The estimated cost of the project.

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

		ESTIMATED CAPITAL COSTS (\$) LUCASVILLE – SARGENTS LINE				
FERC ACCOUNTS		Material	Labor			
Overhead Conductors and Devices		\$6,300	\$91,700			
Poles and Fixtures		\$200,600	\$536,900			
	TOTAL	\$206,900	\$628,600			

	ESTIMATED CAPITAL COSTS (\$ SPORN - PORTSMOUTH LINE				
FERC ACCOUNTS	Material	Labor			
Overhead Conductors and Devices	\$8,200	\$65,500			
Poles and Fixtures	\$167,800	\$400,300			
TOTAL	\$176,000	\$465,800			

	ESTIMATED CAPITAL COSTS (\$) SOUTH POINT - PORTSMOUTH LINE			
FERC ACCOUNTS	Material	Labor		
Overhead Conductors and Devices	\$402,000	\$1,630,600		
Poles and Fixtures	\$26,800	\$286,100		
TOTAL	\$428,800	\$1,916,700		

## 6. A description of the operating characteristics, estimated number and types of structures required, and right-of-way and/or land requirements.

#### **Transmission Line Data**

The proposed line will be designed and operated at 138kV. Figures 3 through 5 show the typical steel pole structures to be installed for the Project. The Lucasville – Sargents line will consist of 636 ACSR (26/7) Grosbeak conductor, one 5/16 ESH and one 84 sqmm 20 Fiber shield wire. The Sporn – Portsmouth line will consist of 477 ACSR (26/7) Hawk conductor, and one 159 ACSR 12/7 Guinea shield wire. The new South Point – Portsmouth span will consist of 795 (26/7)

drake conductor, and 96 Fiber OPGW will be installed and supported by the structures.

The existing lines are located on easements that were obtained by Columbus and Southern Ohio Electric Company, now known as Ohio Power Company. All new structures will be located within the existing transmission line ROW. Property owners will be notified of the transmission line Project prior to the commencement of construction activities while working within our existing easement.

7. An area map of not less than 1:24,000-scale clearly depicting the facility's centerline with clearly marked streets, roads, and highways, and clearly written instructions for locating and viewing the facility.

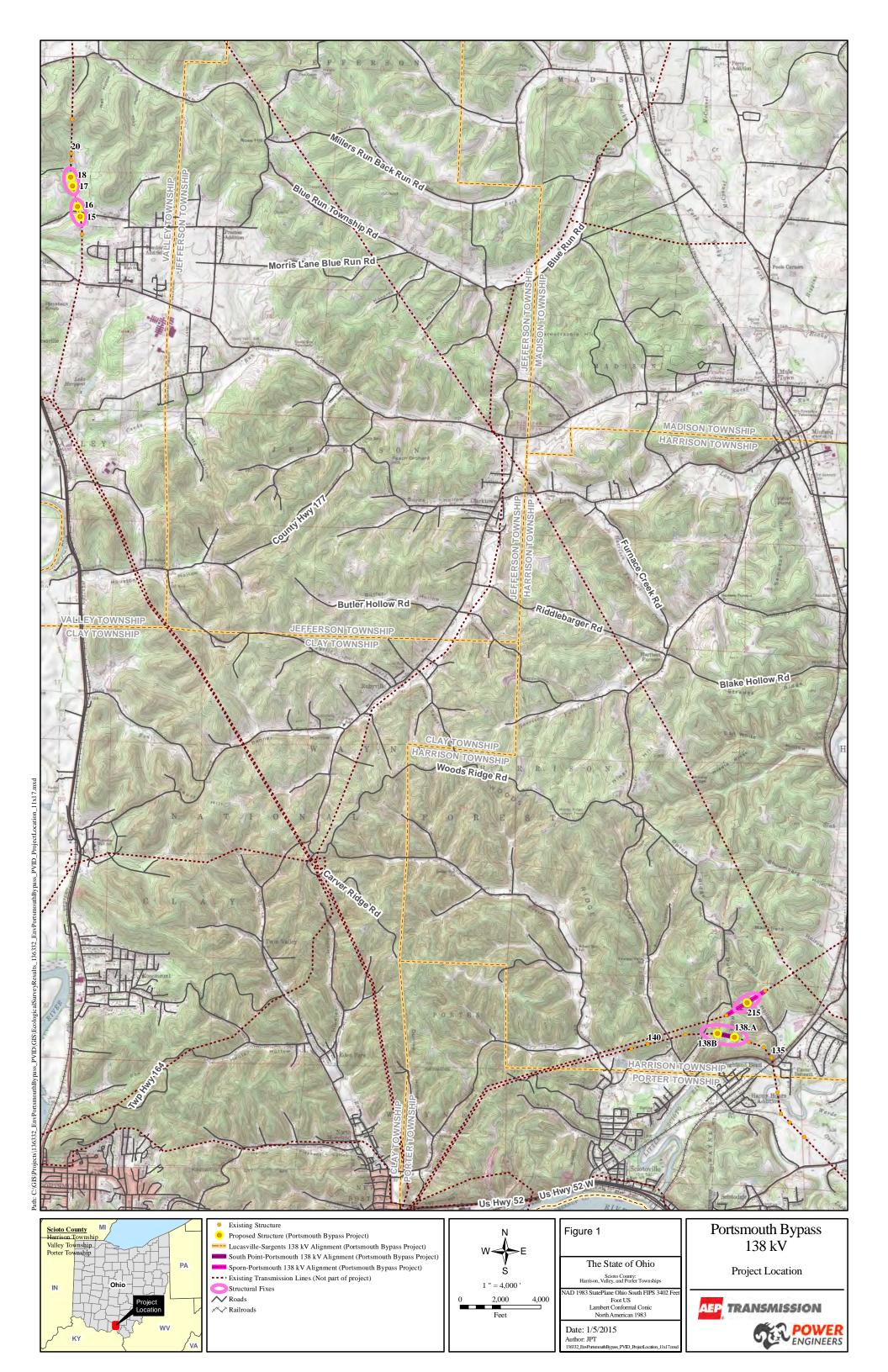
The Lucasville – Sargents line is located within the United States Geological Survey (USGS) Lucasville quadrangle, and the Sporn – Portsmouth / South Point – Portsmouth lines are located within the USGS Minford quadrangle (Figure 1). Figure 2 has been prepared to show the Project location with aerial photography. To locate and view the Lucasville – Sargents line from the City of Portsmouth, Ohio, travel US-23 north for 10 miles, turn right onto OH-728, take first left onto Fairground Road, take first right onto Thomas Hollow Road. The Lucasville – Sargents line is located approximately 0.65 mile down Thomas Hollow Road.

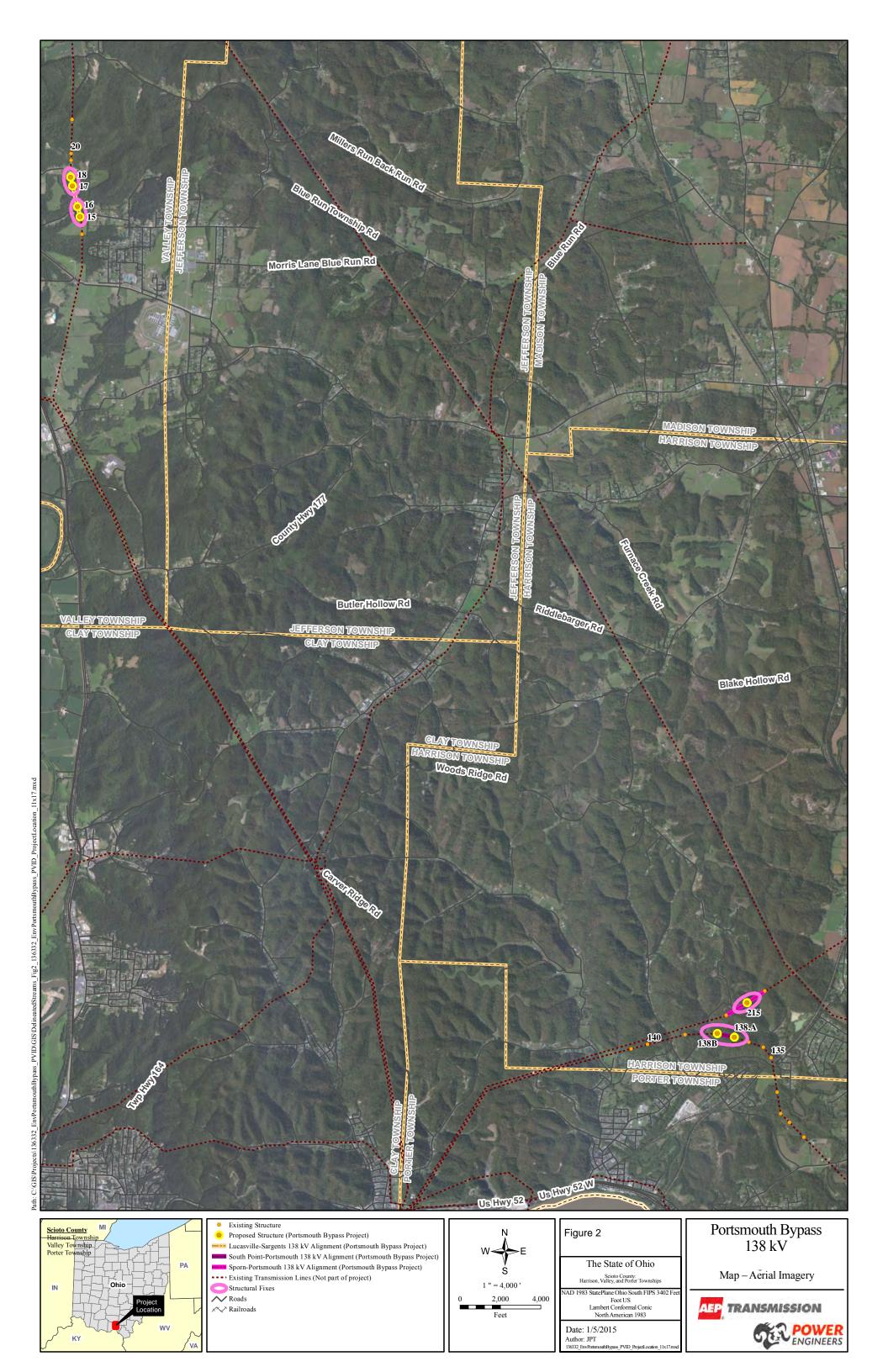
To locate and view the South Point – Portsmouth line from the City of New Boston, Ohio, follow US 52 east and take the exit toward OH-335. Take a slight left onto Gallia Street, continue onto Winchester Avenue for approximately 0.2 mile. Turn left onto Harding Avenue, follow for 1.2 miles. Turn left onto Swauger Valley Road, take first right onto Dutch Ridge Road. The South Point - Portsmouth ROW is located approximately 0.35 mile down Dutch Ridge Road. Project activities are located to the east of Dutch Ridge Road. To view the Sporn – Portsmouth line, continue northeast along Dutch Ridge Road. Turn right onto Stout Hollow Road. The Sporn – Portsmouth ROW is located approximately 0.1 mile down Stout Hollow Road. Project activities are located east of South Hollow Road.

8. A list of properties for which the applicant has obtained easements, options, and/or land use agreements necessary to construct and operate the facility and a list of the additional properties for which such agreements have not be obtained.

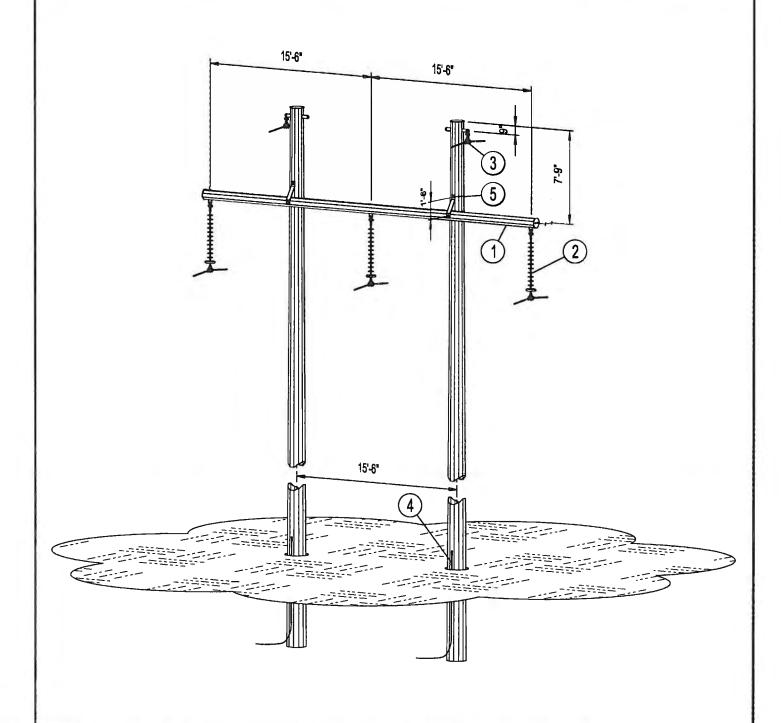
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# Appendix A Figures





	REF. DRAWINGS						
ITEM	QTY.	ASSEMBLY	DESCRIPTION				
1	1	74D0-1268	138KV LIGHT SUSPENSION CROSSARM 32 FT - CONCRETE OR STEEL H-FRAME - GALVANIZED				
2	3	11B6-2722	138KV SUSPENSION INSULATOR, POLYMER, 25K, W/CORONA RING				
3	_ 2	30T0-1102	OHGW, SUSPENSION, CONCRETE, STEEL OR WOOD POLE				
4	2	21SE-1456	GROUND ROD FOR DIRECT EMBEDDED STEEL POLE				
5	2	71A0-1359	A325 1IN - HIGH STRENGTH BOLT, CONCRETE, STEEL OR WOOD				



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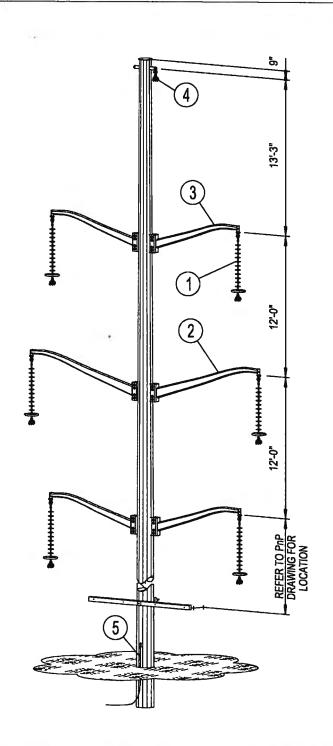
ş	ENGR:	DRAWN: SAS	CHECKED: McP		APPROVED:	JCN	DATE: 10/23/12
chive ID: 904-398		DESCRIPTION	BY	DATE	AEF	' ELE	IERICAN' CTRIC VER

TRANSMISSION LINE STANDARDS

POLYMER - 138KV LIGHT SUSPENSION W/CORONA RING, H-FRAME, GALVANIZED STEEL

DRAWING No. CS45-2468 SHEET No.

	REF. DRAWINGS					
ITEM	QTY.	ASSEMBLY	DESCRIPTION	<u> </u>		
1	6	11B6-2722	138KV SUSPENSION INSULATOR, POLYMER, 25K, W/CORONA RING			
2	2	62D0-1244	DAVIT, SINGLE, 10 FT 0 IN, FIXED VANG, THRU VANG CONNECTION, 50KSI			
3	4	62C0-1242	DAVIT, SINGLE, 8 FT 0 IN, FIXED VANG, THRU VANG CONNECTION, 50KSI			
4	1	30T0-1102	OHGW, SUSPENSION, CONCRETE, STEEL OR WOOD POLE			
5	1	21SE-1456	GROUND ROD FOR DIRECT EMBEDDED STEEL POLE			

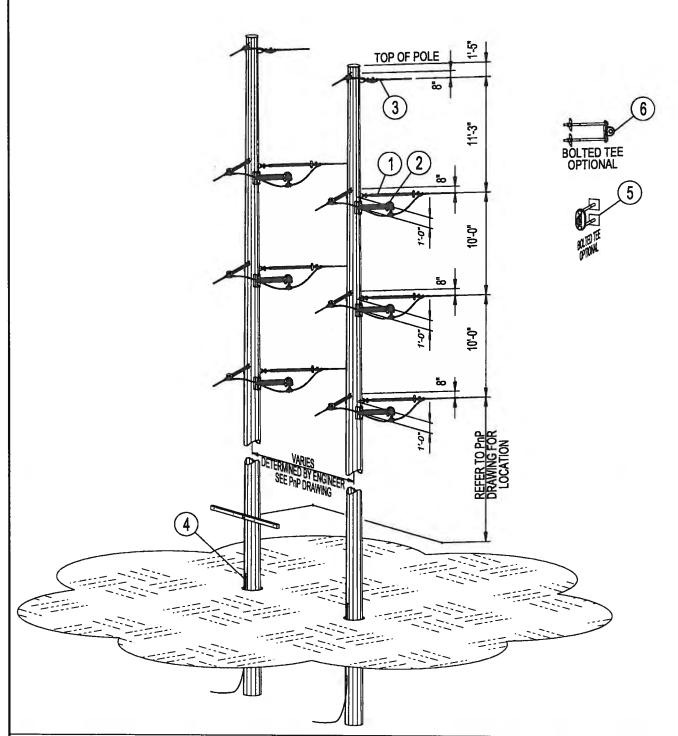


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REV DESCRIPTION BY DATE
TRANSMISSION LINE STANDARDS

ı	REV	DESCRIPTION		BY DATE		TRANSMISSION LINE STANDARDS							
re ID: 904-866		REVISED ARM CALL-OUTS		McP 0	03/19/13	AEP AMERICAN* ELECTRIC POWER		CTRIC	POLYMER - 138KV DOUBLE CIRCUIT, VERTICAL, DAVIT ARM, SUSPENSION W/CORONA RING, STEEL, W/ THRU VANGS				
톍									DRAWING No.	SHEET No. 4	REV.		
1	ENGR:	DRAWN: SAS CHECKE		CHECKED: McP		APPROVED: JCN DATE: 10/26/12 DS13-2428			1"" 1	<sup>2.</sup> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1_		

			REF. DRAWINGS	
ITEM	QTY.	ASSEMBLY	DESCRIPTION	
1	12	14B6-2743	138KV DEAD END INSULATOR, POLYMER, 25K, W/CORONA RING	
2	6	12B5-2728	138KV INSULATOR, POLYMER, HORIZONTAL POST, SUSPENSION W/CORONA RING	
3	4	30D0-1104	OHGW, DEAD-END CONCRETE, STEEL OR WOOD POLE	
4	2	21SE-1456	GROUND ROD FOR DIRECT EMBEDDED STEEL POLE	
5	12	71A0-1233	7/8 IN FLAT DEAD-END TEE	
6	4	71A0-1231	3/4 IN FLAT DEAD-END TEE	



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REV DESCRIPTION BY DATE

AEP AMERICAN\*
ELECTRIC
POWER

DRAWN: SAS CHECKED: McP APPROVED: JCN DATE: 10/30/12

TRANSMISSION LINE STANDARDS
POLYMER - 138KV DOUBLE CIRCUIT,
LIGHT ANGLE DEADEND W/CORONA RING,
SELF SUPPORTING, STEEL

DRAWING No.

DS28-2457

EET REV.

Archive ID: 904-440

## Appendix B

Public Officials Letters Serving Copy of Letter of Notification

January 19, 2015

Scioto County Planning Department Mr. Todd Book, Director 617 Court Street Portsmouth, OH 45662

RE:

**Construction Notice** 

Portsmouth Area Structure Relocation Project

Case Number: 15-0098-EL-BNR

Dear Mr. Book:

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

The proposed Portsmouth Area Structure Relocation Project, Public Utilities Commission of Ohio (PUCO) Case Number 15-0098-EL-BNR, consists of relocating certain 138-kilovolt (kV) structures using existing or adjacent to existing right of way on three 138-kV transmission lines in Valley and Harrison townships in Scioto County to accommodate construction of the proposed Ohio Department of Transportation's Portsmouth Bypass Highway. AEP Ohio Transco will replace and relocate certain structures using new standard steel H-Frame and steel pole 138-kV structures. This project will be an approximate \$3 million investment by AEP Ohio Transco. Construction is scheduled to begin in March 2015.

in compliance with Rule 4906-11-02 of the OPSB Rules and Regulations, we have prepared and filed the attached Letter of Notification. 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

**Brett E. Schmied** 

Project Outreach Specialist American Electric Power

January 19, 2015

Harrison Township Fiscal Officer Ms. Sandra K. Brisker 237 Wheelers Mill Road Wheelersburg, OH 45694

RE:

**Construction Notice** 

Portsmouth Area Structure Relocation Project

Case Number: 15-0098-EL-BNR

Dear Ms. Brisker:

In accordance with Rules 4906 of the Ohio Administrative Code (OAC), AEP Ohio Transmission Company (AEP Ohio Transco) is required to submit a Letter of Notification 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

**Brett E. Schmied** 

Project Outreach Specialist
American Electric Power

January 19, 2015

Harrison Township Trustee Mr. Robert L. Raby 2701 Glades Road Minford, OH 45653

RE:

**Construction Notice** 

Portsmouth Area Structure Relocation Project

Case Number: 15-0098-EL-BNR

Dear Mr. Raby:

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

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Sincerely

**Brett E. Schmied** 

Project Outreach Specialist American Electric Power



January 19, 2015

Harrison Township Trustee Mr. Calvin H. Seibert 10499 State Route 139 Minford, OH 45653

RE:

**Construction Notice** 

Portsmouth Area Structure Relocation Project

Case Number: 15-0098-EL-BNR

Dear Mr. Seibert:

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

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Sincerely,

**Brett E. Schmied** 

Project Outreach Specialist American Electric Power

cc:



January 19, 2015

Portsmouth Public Library Ms. Paige Williams, Director 1220 Gallia Street Portsmouth, OH 45662

RE:

**Construction Notice** 

Portsmouth Area Structure Relocation Project

Case Number: 15-0098-EL-BNR

Dear Ms. Williams:

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We ask that you make this Letter of Notification available to the public.

in compliance with Rule 4906-11-02 of the OPSB Rules and Regulations, we have prepared and filed the attached Letter of Notification. 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.

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Brett F Schmied

Project Outreach Specialist American Electric Power

This foregoing document was electronically filed with the Public Utilities

**Commission of Ohio Docketing Information System on** 

1/26/2015 3:56:11 PM

in

Case No(s). 15-0098-EL-BNR

Summary: Notice -Construction Notice for Portsmouth Area Structure Relocation Project electronically filed by Mr. Ajay K Kumar on behalf of AEP Ohio Transmission Company