



155 East Broad Street
21st Floor
Columbus, Ohio, 43215
o: 614-222-1330
f: 614-222-1337

July 22, 2014

Ms. Barcy F. McNeal
Docketing Division
Ohio Power Siting Board
180 East Broad Street
Columbus, OH 43215

Re: Case No. 14-1178-EL-BNR, Construction Notice for the Duke Energy Ohio Summerside
138,000 (138 kV) Electric Transmission Line Extension.

Dear Ms. McNeal:

In accordance with the Ohio Power Siting Board's Rules, Duke Energy Ohio hereby submits a
Construction Notice relating to the above-referenced transmission line.

Sincerely,


Jeanne W. Kingery
Associate General Counsel

CONSTRUCTION NOTICE
FOR THE
SUMMERSIDE 138 kV EXTENSION

PUCO Case Number 14-1178-EL-BNR

Submitted pursuant to OAC 4906-11-01

Duke Energy Ohio, Inc.

July 22, 2014

CONSTRUCTION NOTICE

This Construction Notice has been prepared by Duke Energy Ohio, Inc., (Duke Energy Ohio) in accordance with Ohio Administrative Code (OAC) **Section 4906-11-02(B) and (C)** requirements. The following sections correspond to the administrative code sections for the requirements of a Construction Notice to the Ohio Power Siting Board (OPSB).

Section 4906-11-02(B) Construction Notice Requirements

(1) Project Name

The name of the proposed project is the Duke Energy Ohio Summerside 138,000 (138 kV) Electric Transmission Line Extension.

(2) Project Description

Duke Energy Ohio filed a Letter of Notification (LON) in Case No. 13-1921-EL-BLN, Duke Energy Ohio Summerside 138kV Line Project, on September 13, 2013, for a new 138 kV transmission line having a total length of 1.9 miles and beginning at the Summerside Substation. Duke Energy Ohio holds easements along the entire route for this project with the exception of a 700-foot segment. All LON requirements and environmental investigations were satisfied and the OPSB approved the LON on October 12, 2013. However, Duke Energy was unable to secure the 700 feet of easement for the new line. Therefore, an alternate route extension was required. This route extension consists of overbuilding the existing Duke Energy Ohio 69kV circuit for an additional 0.17 miles and securing of additional easements for 0.11 miles to the 138kV tap point on the existing Duke Energy Ohio 886 Circuit. A project vicinity map and an project location map are attached to this LON.

Duke Energy Ohio has collected all environmental and other required data on the 138 kV line route extension, consistent with LON requirements, and is filing this information as a Construction Notice, supplemental to the original LON filed in Case No. 13-1921-EL-BLN.

GAI Consultants, Inc. (GAI), on behalf of Duke Energy Ohio, investigated the new 0.28-mile transmission line corridor, as well as proposed access roads, for the presence of wetlands, streams and other sensitive habitats. No wetlands will be impacted by project construction activities. One

ephemeral stream will be crossed during construction work and the necessary controls have been incorporated into the permit documents and plans for the project. Additionally, GAI surveyed the new corridor and access roads for potential cultural resources that may be affected by the project. No cultural resources were identified and an addendum letter report is being filed with the Ohio Historic Preservation Office.

(3) Project Need

This project is required to extend a section of the Duke Energy Ohio 138 kV transmission line Circuit 886 to connect with the Summerside Substation. The overall purpose of the project is to improve electric service reliability for customers in eastern Hamilton County and western Clermont County and to meet system conditions as set forth by the regional transmission authority, PJM Interconnection LLC.

(4) Schedule

Work on the project is planned to begin in late 2014. The complete project has an in-service date of 6/1/15.

(5) Estimated Costs

The project is expected to cost approximately \$400,000.

(6) Operating Characteristics

The new 138 kV transmission conductor will be three phases 954 ACSR 45/7 (Rail) with 1/0 ACSR "Raven" as static wire. The line is to be operated at 100°C. The 138/69 kV structures will consist of horizontal posts in a back-to-back configuration and will stagger vertically as the tangents transition to angle structures. Pole structure types for this project will include approximately one steel and six wooden poles. The angles will be vertically stacked with the 138 kV on top and 69 kV on the bottom.

Duke Energy Ohio's easement along the 0.17-mile section of the existing 69kV transmission line is 25 feet and will remain the same for operation of the new 138 kV line. The new 0.11-mile easement corridor will be a 50-foot easement or the land for portions of this segment will be wholly owned by Duke Energy Ohio.

(7) Area Maps and Directions to Project Area

A map of the project vicinity, which includes major roads and streets, is attached (Figure 1). The following driving directions are based on travel from downtown Columbus to the transmission line's crossing point over Eight Mile Road:

1. Take Interstate 71 south for approximately 90 miles to Exit 17A near Montgomery and follow the signs for I-275 East.
2. At exit 63A, take ramp right for OH-32 West toward Newtown.
3. Proceed on OH-32 approximately 1.85 miles to Eight Mile Road on left.
4. Proceed on Eight Mile Road approximately 0.25 miles to a point at which the new transmission line will be constructed (same location as existing 69 kV line crossing).

(8) Property Agreements and Easements

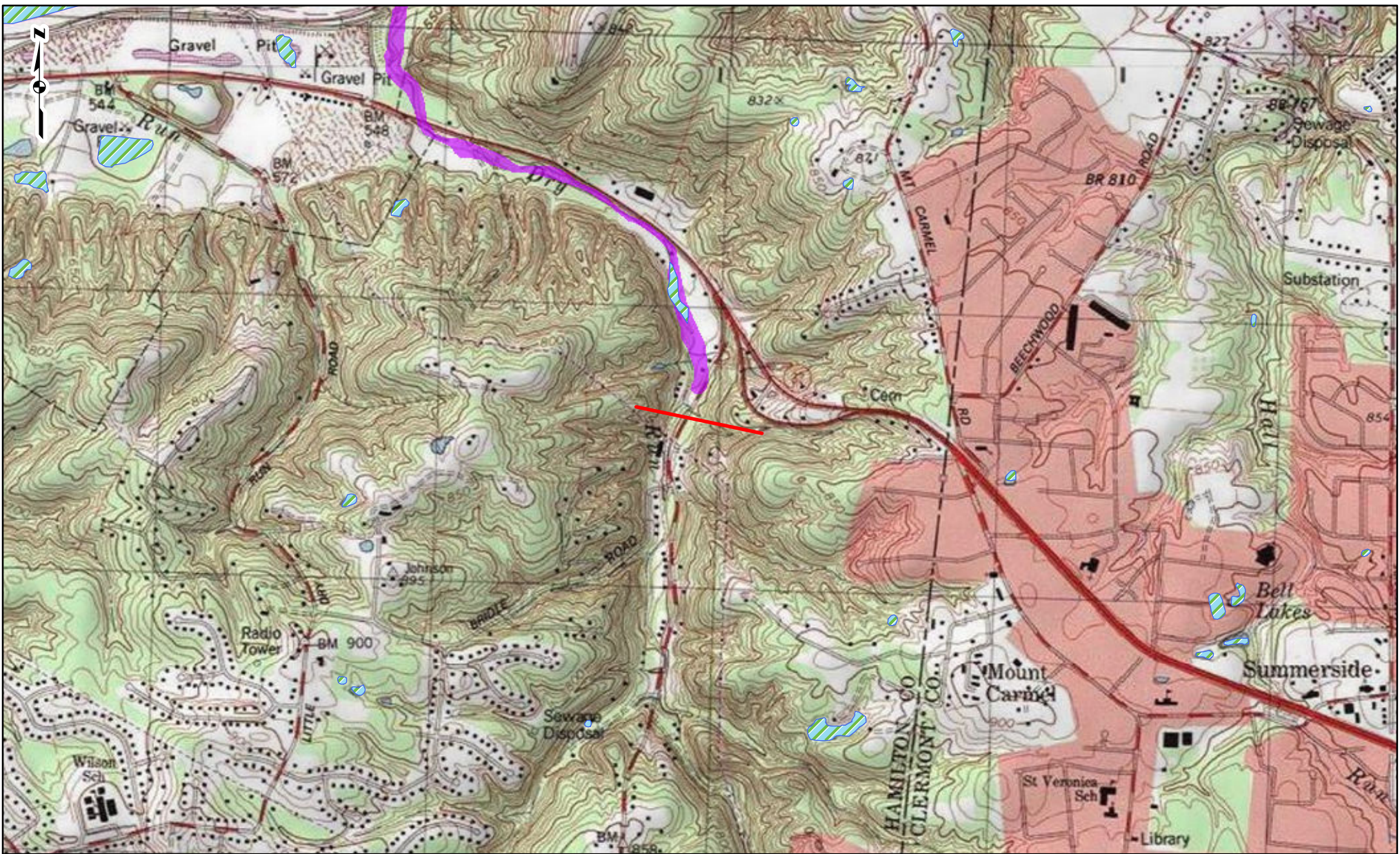
Duke Energy Ohio has established easement agreements for all properties associated with this project given that the majority of this project is within the existing 69kV corridor. Duke Energy Ohio has entered into a mutual agreement with Anderson Township Trustees (parcel 500-0073-0013) for a new easement which is located west of Eight Mile Road for the 0.11-mile. Duke Energy Ohio purchased an additional parcel from Mr. Towner Webster (parcel 500-0073-0015) west of Eight Mile Road.

Section 4906-11-02 (C) Construction Notice Requirements

(C) Notification of Officials

Copies of this Construction Notice have been sent to the offices of the Hamilton County Board of Commissioners, the Anderson Township Trustees, the Anderson Township Planning Director, and the Hamilton County Director of Planning and Development. Copies of the letters to these officials are provided in Appendix B.

All adjoining property owners will be notified of the project prior to vegetation activities or construction starting.






PROJECT LOCATION



HAMILTON & CLERMONT COUNTY, OH



REFERENCE:
USA TOPO Maps, 2011

LEGEND

-  Summerside 138kV Extension
-  National Wetland Inventory (NWI) Wetland
-  FEMA 100-Year Floodplain

0 1,000 2,000 4,000 Feet

FIGURE 1
SUMMERSIDE 138kV EXTENSION

SUMMERSIDE 69kV AND 138kV REBUILD



DRAWN BY: TER
CHECKED: MAF

DATE: 6/27/2014
APPROVED: MAF



PROJECT LOCATION

CLERMONT & HAMILTON
COUNTIES, OHIO

REFERENCE:
US CENSUS TIGER ROADS, 2010; USGS NHD,
2010; USGS CONTOURS, 2010; OSIP ORTHOS,
2010; USFWS NATIONAL WETLAND INVENTORY,
2012, DUKE, 2013; GAI, 2013

Summerside Transmission Line	F-886 Circuit	Delineated Stream
Pole	Staging Area	Delineated Wetland
Proposed Access Route	10-Foot Contour	NHD Waterway
Right-of-Way		NHD Waterbody

0 100 200 400 Feet

FIGURE 2
SUMMERSIDE 138kV EXTENSION

DUKE ENERGY SUMMERSIDE
69kV AND 138kV PROJECT

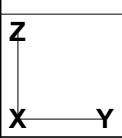
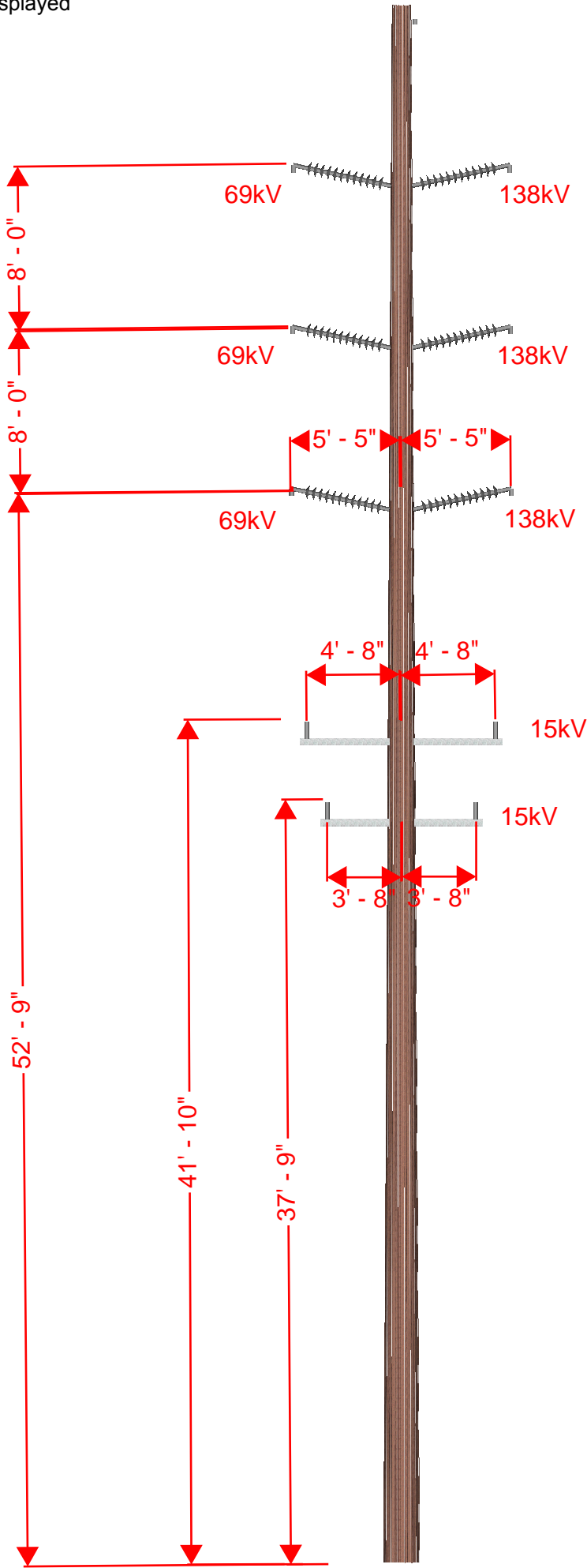
DRAWN BY: TER DATE: 6/27/2014
CHECKED: MAF APPROVED: MAF

C:\GIS\2014\Duke_Summerville\extensionfig.mxd

APPENDIX A

ENGINEERING SPECIFICATIONS

(POLE STRUCTURE DRAWING)



APPENDIX B
LETTER TO OFFICIALS

*Duke Energy Ohio, Inc.
139 East Fourth Street
Cincinnati, Ohio 45201*

July 22, 2014

Mr. Greg Hartmann
Mr. Chris Monzel
Mr. Todd Portune
c/o Hamilton County Commissioners
Court Street, Rm 603
Cincinnati, Ohio 45202

**Construction Notice
Duke Energy Ohio Summerside 138 kV Transmission Line Extension Project**

Dear Hamilton County Commissioners:

Please find enclosed a copy of a Construction Notice Duke Energy Ohio submitted to the Ohio Power Siting Board regarding the planned Summerside 138 kV Transmission Line Extension Project. The Construction Notice submittal is required in accordance with Chapter 4906 of the Ohio Administrative Code when certain changes are made to our transmission facilities. The project is approximately 0.28 miles in length and is located in Anderson Township of Hamilton County and crosses Eight Mile Road.

In accordance with Ohio Administrative Code (OAC) 4906-1-01 Appendix A, we are required to prepare this Construction Notice for the Ohio Power Siting Board and in compliance with OAC 4906-11-01(D)(4), we are hereby providing you with a copy.

Please feel free to contact me at (317) 838-2428 if you have any questions concerning this project.

Cordially,
Duke Energy Ohio, Inc.

Glenn Hauser
Transmission Engineering
Midwest Siting and Permitting Lead

Enclosure

*Duke Energy Ohio, Inc.
139 East Fourth Street
Cincinnati, Ohio 45201*

July 22, 2014

Ms. Peggy D. Reis
Mr. Russell L. Jackson
Mr. Kevin O'Brien
c/o Anderson Township Board of Trustees
7850 Five Mile Road
Anderson Township, Ohio 45230

**Construction Notice
Duke Energy Ohio Summerside 138 kV Transmission Line Extension Project**

Dear Trustees:

Please find enclosed a copy of a Construction Notice Duke Energy Ohio submitted to the Ohio Power Siting Board regarding the planned Summerside 138 kV Transmission Line Extension Project. The Construction Notice submittal is required in accordance with Chapter 4906 of the Ohio Administrative Code when certain changes are made to our transmission facilities. The project is approximately 0.28 miles in length and is located in Anderson Township of Hamilton County and crosses Eight Mile Road.

In accordance with Ohio Administrative Code (OAC) 4906-1-01 Appendix A, we are required to prepare this Construction Notice for the Ohio Power Siting Board and in compliance with OAC 4906-11-01(D)(4), we are hereby providing you with a copy.

Please feel free to contact me at (317) 838-2428 if you have any questions concerning this project.

Cordially,
Duke Energy Ohio, Inc.

Glenn Hauser
Transmission Engineering
Midwest Siting and Permitting Lead

Enclosure

*Duke Energy Ohio, Inc.
139 East Fourth Street
Cincinnati, Ohio 45201*

July 22, 2014

Mr. Paul J. Drury, AICP
Director, Planning and Zoning
Anderson Township
7850 Five Mile Road
Anderson Township, Ohio 45230

**Construction Notice
Duke Energy Ohio Summerside 138 kV Transmission Line Extension Project**

Dear Mr. Drury:

Please find enclosed a copy of a Construction Notice Duke Energy Ohio submitted to the Ohio Power Siting Board regarding the planned Summerside 138 kV Transmission Line Extension Project. The Construction Notice submittal is required in accordance with Chapter 4906 of the Ohio Administrative Code when certain changes are made to our transmission facilities. The project is approximately 0.28 miles in length and is located in Anderson Township of Hamilton County and crosses Eight Mile Road.

In accordance with Ohio Administrative Code (OAC) 4906-1-01 Appendix A, we are required to prepare this Construction Notice for the Ohio Power Siting Board and in compliance with OAC 4906-11-01(D)(4), we are hereby providing you with a copy.

Please feel free to contact me at (317) 838-2428 if you have any questions concerning this project.

Cordially,
Duke Energy Ohio, Inc.

Glenn Hauser
Transmission Engineering
Midwest Siting and Permitting Lead

Enclosure

*Duke Energy Ohio, Inc.
139 East Fourth Street
Cincinnati, Ohio 45201*

July 22, 2014

Mr. Todd Kinskey
Director, Planning and Development
Hamilton County Board of County Commissioners
138 East Court Street
Cincinnati, Ohio 45202

**Construction Notice
Duke Energy Ohio Summerside 138 kV Transmission Line Extension Project**

Dear Mr. Kinskey:

Please find enclosed a copy of a Construction Notice Duke Energy Ohio submitted to the Ohio Power Siting Board regarding the planned Summerside 138 kV Transmission Line Extension Project. The Construction Notice submittal is required in accordance with Chapter 4906 of the Ohio Administrative Code when certain changes are made to our transmission facilities. The project is approximately 0.28 miles in length and is located in Anderson Township of Hamilton County and crosses Eight Mile Road.

In accordance with Ohio Administrative Code (OAC) 4906-1-01 Appendix A, we are required to prepare this Construction Notice for the Ohio Power Siting Board and in compliance with OAC 4906-11-01(D)(4), we are hereby providing you with a copy.

Please feel free to contact me at (317) 838-2428 if you have any questions concerning this project.

Cordially,
Duke Energy Ohio, Inc.

Glenn Hauser
Transmission Engineering
Midwest Siting and Permitting Lead

Enclosure