

October 31, 2011

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

RECEIVED-DOCKETING DIV  
2011 NOV - 1 AM 9:19  
PUCO

**Construction Notice**  
**Greenfield-Lakeview 138 kV Transmission Line**  
**Reconductoring Project**  
**Case No. 11-5582-EL-BNR**

Dear Ms. Jenkins:

(5582)

In accordance with Rule 4906-1-11, American Transmission Systems, Incorporated ("ATSI"), transmit one (1) original and eleven (11) copies of the enclosed Construction Notice for the above captioned project. In this project, ATSI is proposing to reconductor an approximately 4.7 mile long segment of the Greenfield-Lakeview 138 kV Transmission Line. The Project area is located in an existing transmission corridor extending in Danbury and Portage Townships, Ottawa 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

b) Name of proposed facilities:

Greenfield-Lakeview 138 kV Transmission Line Reconductoring Project

c) Location of proposed facilities:

The Project area is located in an existing transmission corridor extending in Portage and Danbury Townships, Ottawa County, Ohio.

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 JD Date Processed 11-01-11

October 31, 2011

d) Description of proposed facilities:

The Project involves reconductoring an approximately 4.7 mile long segment of the Greenfield-Lakeview 138 kV Transmission Line.

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

We have provided a copy of the Construction Notice 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 Portage and Danbury Townships, Ottawa County, Ohio are enclosed for your file.

After docketing this filing, please return one time-stamped copy of the Construction Notice for our records to us in the enclosed envelope. Should staff of 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

October 31, 2011

Ms. Diane M. Rozak, Chair  
Danbury Township Trustees  
5972 E. Port Clinton Road  
Marblehead, OH 43440

**Construction Notice  
Greenfield-Lakeview 138 kV Transmission Line  
Reconductoring Project  
Case No. 11- -EL-BNR**

Dear Ms. Rozak,

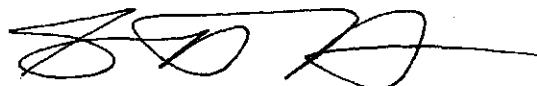
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The Project area is located in an existing transmission corridor extending in Danbury and Portage Townships, Ottawa County, Ohio. The entire Project will be built on land that already is used by the applicants for existing transmission and distribution facilities. As such, there should be little to no incremental land-use impact for the affected communities.

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 Construction Notice ("Notice"). Therefore, in compliance with OAC 4906-11-02 of the OPSB's Rules and Regulations, we have prepared and filed the attached Notice with the OPSB for their review and approval. The Notice 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

May 31, 2011

Mr. Charles B. Scott  
Danbury Township Trustee  
5972 E. Port Clinton Road  
Marblehead, OH 43440

**Construction Notice**  
**Greenfield-Lakeview 138 kV Transmission Line**  
**Reconductoring Project**  
**Case No. 11- -EL-BNR**

Dear Mr. Scott,

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Sincerely,



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

Attachment

May 31, 2011

Mr. David M. Hirt  
Danbury Township Trustee  
5972 E. Port Clinton Road  
Marblehead, OH 43440

**Construction Notice  
Greenfield-Lakeview 138 kV Transmission Line  
Reconductoring Project  
Case No. 11- -EL-BNR**

Dear Mr. Hirt,


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Sincerely,



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

Attachment

May 31, 2011

Ms. Shelley J. Seamon  
Danbury Township Fiscal Officer  
5972 E. Port Clinton Road  
Marblehead, OH 43440

**Construction Notice**  
**Greenfield-Lakeview 138 kV Transmission Line**  
**Reconductoring Project**  
**Case No. 11- -EL-BNR**

Dear Ms. Seamon,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a subsidiary of FirstEnergy Corp., is proposing to reconductor an approximately 4.7 mile long segment of the Greenfield-Lakeview 138 kV Transmission Line. This will be accomplished by replacing three of the six conductors that make up the existing circuit. Two of the conductors being replaced are located on the south side of the existing transmission structure and one conductor is located on the north side.

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Sincerely,



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

Attachment

May 31, 2011

Mr. Drew A. Surovjak, Chair  
Portage Township Trustees  
2501 E. State Road  
Port Clinton, OH 43452

**Construction Notice**  
**Greenfield-Lakeview 138 kV Transmission Line**  
**Reconductoring Project**  
**Case No. 11- -EL-BNR**

Dear Mr. Surovjak,

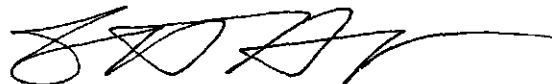
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I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-2526.

Sincerely,



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

Attachment

May 31, 2011

Mr. Sam J. Conte  
Portage Township Trustee  
2501 E. State Road  
Port Clinton, OH 43452

**Construction Notice  
Greenfield-Lakeview 138 kV Transmission Line  
Reconductoring Project  
Case No. 11-      -EL-BNR**

Dear Mr. Conte,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a subsidiary of FirstEnergy Corp., is proposing to reconductor an approximately 4.7 mile long segment of the Greenfield-Lakeview 138 kV Transmission Line. This will be accomplished by replacing three of the six conductors that make up the existing circuit. Two of the conductors being replaced are located on the south side of the existing transmission structure and one conductor is located on the north side.

The Project area is located in an existing transmission corridor extending in Danbury and Portage Townships, Ottawa County, Ohio. The entire Project will be built on land that already is used by the applicants for existing transmission and distribution facilities. As such, there should be little to no incremental land-use impact for the affected communities.

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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

May 31, 2011

Mr. Keith Heileman  
Portage Township Trustee  
2501 E. State Road  
Port Clinton, OH 43452

**Construction Notice**  
**Greenfield-Lakeview 138 kV Transmission Line**  
**Reconductoring Project**  
**Case No. 11- -EL-BNR**

Dear Mr. Heileman,

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Sincerely,



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

Attachment

May 31, 2011

Ms. Judith A. Johannsen  
Portage Township Fiscal Officer  
2501 E. State Road  
Port Clinton, OH 43452

**Construction Notice**  
**Greenfield-Lakeview 138 kV Transmission Line**  
**Reconductoring Project**  
**Case No. 11- -EL-BNR**

Dear Ms. Johannsen,

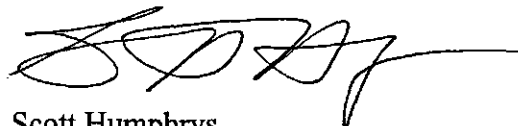
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I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-2526.

Sincerely,



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

Attachment

May 31, 2011

The Honorable James M. Sass  
Ottawa County Commissioner  
315 Madison Street, Room 103  
Port Clinton, OH 43452

**Construction Notice**  
**Greenfield-Lakeview 138 kV Transmission Line**  
**Reconductoring Project**  
**Case No. 11- -EL-BNR**

Dear Mr. Sass,

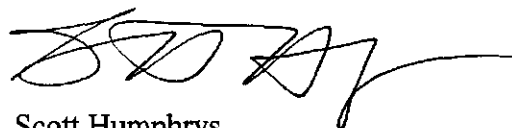
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I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-2526.

Sincerely,



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

Attachment

May 31, 2011

The Honorable Steven M. Arndt  
Ottawa County Commissioner  
315 Madison Street, Room 103  
Port Clinton, OH 43452

**Construction Notice**  
**Greenfield-Lakeview 138 kV Transmission Line**  
**Reconductoring Project**  
**Case No. 11-       -EL-BNR**

Dear Mr. Arndt,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a subsidiary of FirstEnergy Corp., is proposing to reconductor an approximately 4.7 mile long segment of the Greenfield-Lakeview 138 kV Transmission Line. This will be accomplished by replacing three of the six conductors that make up the existing circuit. Two of the conductors being replaced are located on the south side of the existing transmission structure and one conductor is located on the north side.

The Project area is located in an existing transmission corridor extending in Danbury and Portage Townships, Ottawa County, Ohio. The entire Project will be built on land that already is used by the applicants for existing transmission and distribution facilities. As such, there should be little to no incremental land-use impact for the affected communities.

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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

May 31, 2011

The Honorable Mark W. Stahl  
Ottawa County Commissioner  
315 Madison Street, Room 103  
Port Clinton, OH 43452

**Construction Notice**  
**Greenfield-Lakeview 138 kV Transmission Line**  
**Reconductoring Project**  
**Case No. 11- -EL-BNR**

Dear Mr. Stahl,

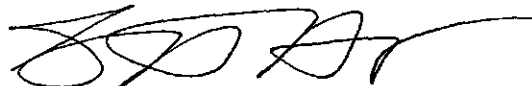
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Sincerely,



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

Attachment

May 31, 2011

Mr. David Brunkhorst P.E., P.S.  
Ottawa County Engineer  
315 Madison Street, Room 106  
Port Clinton, OH 43452

**Construction Notice**  
**Greenfield-Lakeview 138 kV Transmission Line**  
**Reconductoring Project**  
**Case No. 11- -EL-BNR**

Dear Mr. Brunkhorst,

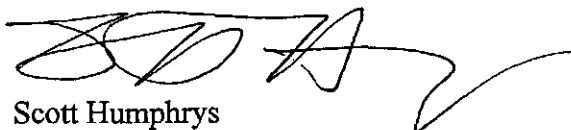
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Sincerely,



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

Attachment

May 31, 2011

Mr. Todd Bickley, Director  
Ottawa County Regional Planning  
Commission  
315 Madison Street, Room 107  
Port Clinton, OH 43452

**Construction Notice**  
**Greenfield-Lakeview 138 kV Transmission Line**  
**Reconductoring Project**  
**Case No. 11-        -EL-BNR**

Dear Mr. Bickley,

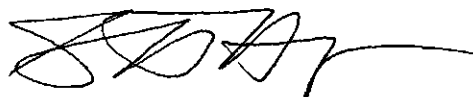
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Sincerely,



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

Attachment

**AMERICAN TRANSMISSION SYSTEMS, INCORPORATED**  
**A Subsidiary of FirstEnergy Corp.**

**CONSTRUCTION NOTICE**

**GREENFIELD-LAKEVIEW 138kV  
TRANSMISSION LINE RECONDUCTORING PROJECT**

**OPSB CASE NO. 11- 5582 -EL-BNR**

**October 31, 2011**

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

**CONSTRUCTION NOTICE  
GREENFIELD-LAKEVIEW 138 kV TRANSMISSION LINE  
RECONDUCTORING PROJECT**

The following information is being provided 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.

**4906-11-02 (B): Construction Notice Requirements**

**4906-11-02 (B) (1) a : Name and Reference Number**

Name of Project: Greenfield-Lakeview 138 kV Transmission Line  
Reconductoring Project ("Project")

2011 LTFR Reference: This Project is not identified in FirstEnergy Corp.'s 2011 Electric Long-Term Forecast Report ("LTFR") submitted to the Public Utility Commission of Ohio in Case Number 11-1435-EL-FOR.

**4906-11-02 (B) (1) b : Brief Description of Project**

In this Project, American Transmission Systems, Incorporated, ("ATSI"), a FirstEnergy Corp. subsidiary, is proposing to reconductor approximately 4.7 miles of the Greenfield-Lakeview 138 kV Transmission Line. This existing transmission line is approximately 16.9 miles long and located within both the Ohio Edison (14.6 miles) and the Toledo Edison (2.3 miles) service territories. The transmission line is currently in a "six-wire" configuration where six wires (or conductors) are used in pairs for one three-phase transmission line circuit. Both 336.4 kcmil 26/7 ACSR conductor and 4/0 Copper conductor are in use on this transmission line. Where the 4/0 Copper is in use, it comprises 3 of the 6 conductors. In this Project, the sections of the existing 4/0 Copper conductor, a total of approximately 4.7 miles, will be replaced with 336.4 kcmil 26/7 ACSR conductor.

ATSI also plans to perform conductor maintenance activities on the Greenfield-Lakeview 138 kV Transmission Line in conjunction with or immediately after the

reconductoring work as time permits in the construction schedule. To address conductor condition, approximately 3.7 miles of the existing 336.4 kcmil 26/7 ACSR conductor will be replaced with the same conductor. This maintenance activity is described here and its locations shown on Figure 1 only for the general information and convenience of the reader.<sup>1</sup>

The Project is located in Portage and Danbury Townships, Ottawa County, Ohio. The existing and reconducted Transmission Line will be owned and operated by ATSI. Figure 1 shows the location of the Project and identifies the approximate locations where the existing 4/0 Copper will be reconducted with 336.4 kcmil 26/7 ACSR conductors and the approximate locations of the 336.4 kcmil 26/7 ACSR maintenance replacement locations.

**4906-11-02 (B) (2) b : Why the Project Meets the Requirements for a Construction Notice**

The project meets the requirements for a Construction Notice because the project is within the types of project defined by Items (3) of the Application Requirement Matrix for Electric Power Transmission Lines in Appendix A of 4906-1-01 of the Ohio Administrative Code. Appendix A provides:

- (3) *Replacing conductors on existing structures with larger or bundled conductors.*

The proposed Project replaces approximately 4.7 miles of three of the existing 6 conductors of the circuit that are currently 4/0 copper conductors with 336.4 kcmil 26/7 ACSR conductors. These conductors are part of a six wire arrangement, with 2 conductors located on the south side of the existing transmission structure and one conductor located on the north side of the existing transmission structure.

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<sup>1</sup> Replacing an existing facility with a like facility with equivalent rating and operating characteristics, such as replacing an existing conductor with the same conductor, is excluded from the Rules and Regulations of the Ohio Power Siting Board. ORC § 4906-04 and OAC § 4906-1-01(N).

#### **4906-11-01 (B) (3): Need for the Project**

This Project is needed to avoid derating of the current Greenfield-Lakeview 138 kV Transmission Line, with its current configuration and needed to mitigate line overloading due to the potential loss of the Beaver-Davis Besse 345 kV Transmission Line. This Project has also been identified as a PJM Regional Transmission Expansion Plan (RTEP) Project.

#### **4906-11-02 (B) (4): Construction Schedule**

Construction on the project is expected to begin as early as January 1, 2012 and be completed by May 31, 2012.

#### **4906-11-02 (B) (5): Estimated Costs**

The following is the estimated capital costs for the proposed project:

Total \$ 1,767,000

#### **4906-11-02 (B) (6): Operating Characteristics**

The reconductored Transmission Line will have the following characteristics:

Voltage:	138 kV
Conductors:	
Existing – to be removed	4/0 Copper
(2 Conductors South)	
(1 Conductor North)	
Existing – to be removed	336.4 kcmil 26/7 ACSR
(6 wire arrangement)	
New – to be installed	336.4 kcmil 26/7 ACSR
(2 Conductors South)	
(1 Conductor North)	
Static wire:	
Existing – to remain	7#8 Alumoweld
Insulators: (North and South)	138 kV polymer horizontal post or suspension insulators

The proposed Project will be located on the existing transmission line right-of-way with no new right-of-way to be acquired.

**4906-11-02 (B) (7): Area Map**

Exhibit No. 1 depicts the General Project Location. To locate and view the project site from the Columbus, Ohio area, travel north on I-71 for approximately 9.9 miles. Take exit 119 to merge onto I-270 toward Dayton and go approximately 2.3 miles. Take exit 23 to merge onto US-23 N/N High St toward Delaware for approximately 57 miles. Take the OH-53 N/OH-67 exit toward Upper Sandusky/Tiffin. Turn right onto OH-53 N/OH-67 E and continue to follow OH-53 N for approximately 38.8 miles. Take exit 95 to merge onto OH-53 N for approximately 12.8 miles. Turn right onto Township Rd 281/W Wilcox Rd and go 2.1 miles. Turn right onto Fulton Street. Take the first left onto E Lockwood Road and the first transmission tower of the western extent of the project area will be to the north. The Project then trends east and south, to the tower immediately north of Sandusky Bay.

**4906-11-02 (B) (8): Property Owner List**

The Project will be constructed within existing easements in an existing transmission corridor. No new easements or rights of way are needed.

**4906-11-02 (C) : Documentation of Construction Notice Transmittal**

This Construction Notice is being provided concurrently to the following officials of Bay and Portage Townships, Ottawa County, Ohio. Copies of the transmittal letters to these officials have been included with the transmittal letter submitting this Construction Notice to the Ohio Power Siting Board.

**Danbury Township**

Ms. Diane M. Rozak, Chair  
Danbury Township Trustees  
5972 E. Port Clinton Road  
Marblehead, OH 43440

Mr. Charles B. Scott  
Danbury Township Trustee  
5972 E. Port Clinton Road  
Marblehead, OH 43440

Mr. David M. Hirt  
Danbury Township Trustee  
5972 E. Port Clinton Road  
Marblehead, OH 43440

Ms. Shelley J. Seamon  
Danbury Township Fiscal Officer  
5972 E. Port Clinton Road  
Marblehead, OH 43440

### **Portage Township**

Mr. Drew A. Surovjak, Chair  
Portage Township Trustees  
2501 E. State Road  
Port Clinton, OH 43452

Mr. Sam J. Conte  
Portage Township Trustee  
2501 E. State Road  
Port Clinton, OH 43452

Mr. Lloyd Stables  
Portage Township Trustee  
2501 E. State Road  
Port Clinton, OH 43452

Ms. Judith A. Johannsen  
Portage Township Fiscal Officer  
2501 E. State Road  
Port Clinton, OH 43452

### **Ottawa County**

The Honorable James M. Sass  
Ottawa County Commissioner  
315 Madison Street, Room 103  
Port Clinton, OH 43452

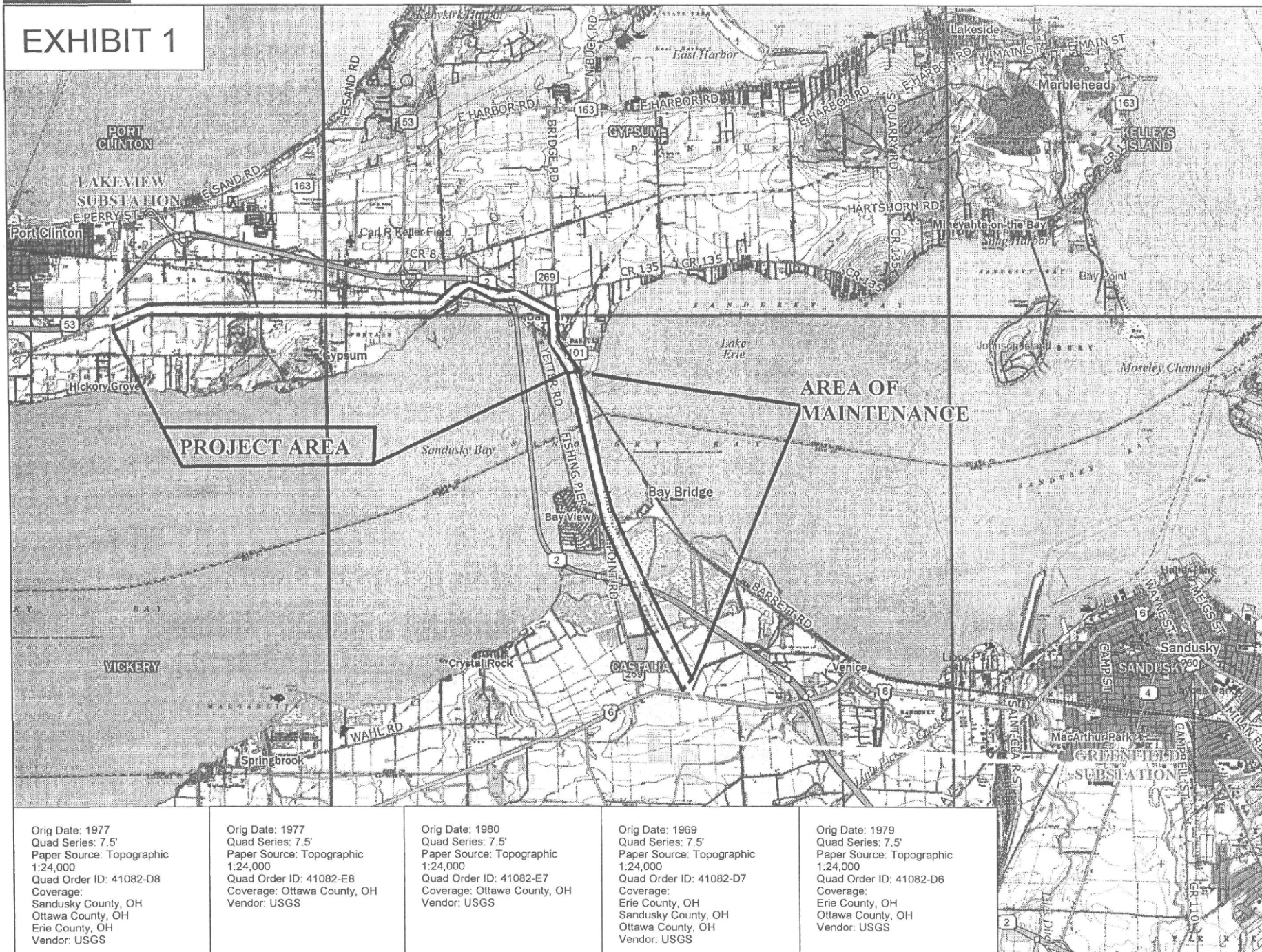
The Honorable Steven M. Arndt  
Ottawa County Commissioner  
315 Madison Street, Room 103  
Port Clinton, OH 43452

The Honorable Mark W. Stahl  
Ottawa County Commissioner  
315 Madison Street, Room 103  
Port Clinton, OH 43452

Mr. David Brunkhorst P.E., P.S.  
Ottawa County Engineer  
315 Madison Street, Room 106  
Port Clinton, OH 43452

Ottawa County Regional Planning  
Commission  
315 Madison Street, Room 107  
Port Clinton, OH 43452

# EXHIBIT 1



Orig Date: 1977  
 Quad Series: 7.5'  
 Paper Source: Topographic  
 1:24,000  
 Quad Order ID: 41082-D8  
 Coverage:  
 Sandusky County, OH  
 Ottawa County, OH  
 Erie County, OH  
 Vendor: USGS

Orig Date: 1977  
 Quad Series: 7.5'  
 Paper Source: Topographic  
 1:24,000  
 Quad Order ID: 41082-E8  
 Coverage: Ottawa County, OH  
 Vendor: USGS

Orig Date: 1980  
 Quad Series: 7.5'  
 Paper Source: Topographic  
 1:24,000  
 Quad Order ID: 41082-E7  
 Coverage: Ottawa County, OH  
 Vendor: USGS

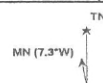
Orig Date: 1969  
 Quad Series: 7.5'  
 Paper Source: Topographic  
 1:24,000  
 Quad Order ID: 41082-D7  
 Coverage:  
 Erie County, OH  
 Sandusky County, OH  
 Ottawa County, OH  
 Vendor: USGS

Orig Date: 1979  
 Quad Series: 7.5'  
 Paper Source: Topographic  
 1:24,000  
 Quad Order ID: 41082-D6  
 Coverage:  
 Erie County, OH  
 Ottawa County, OH  
 Vendor: USGS

Data use subject to license.

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Scale 1 : 87,500

