

December 22, 2011

FILE

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

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

6031

RECEIVED-DOCKETING DIV  
2011 DEC 23 PM 1:43  
PUCO

Dear Ms. McCauley:

In accordance with Rule 4906-1-11, American Transmission Systems, Incorporated ("ATSI"), transmits 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 1.5 mile long segment of the Johnson-Lorain 138 kV Transmission Line. This will be accomplished by replacing the existing conductors with larger conductors.

The Project area is located in an existing transmission corridor extending in the Village of Sheffield, and city of Avon, Lorain 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 Project.

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:

Johnson-Lorain 138kV Transmission Line Reconductoring

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          Date Processed 12/23/11

c) Location of proposed facilities:

The Project area is located in an existing transmission corridor extending in the Village of Sheffield, and city of Avon, Lorain County, Ohio.

d) Description of proposed facilities:

The Project involves reconductoring an approximately 1.5 mile long segment of the Johnson-Lorain 138 kV Transmission Line. This will be accomplished by replacing the existing conductors with larger conductors.

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

After docketing this filing, please return one time-stamped copy of the Letter of Notification for our records to us in the enclosed envelope. We have provided a copy of the Letter of Notification 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 in the Village of Sheffield, and city of Avon, Lorain County are enclosed for your file.

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

**EXHIBIT 1:**  
**Officials Served Copy of Construction Notice**  
**Johnson-Lorain 138kV Transmission Line**  
**Reconductoring Project**  
**Case No. 11- -EL-BNR**

**Village of Sheffield**

The Honorable John D. Hunter  
Mayor, Village of Sheffield  
Sheffield Village Municipal Complex  
4340 Colorado Avenue  
Sheffield Village, OH 44054

Mr. Ken Kaczay, Administrator  
Village of Sheffield  
Sheffield Village Municipal Complex  
4340 Colorado Avenue  
Sheffield Village, OH 44054

Mr. Timothy Pelcic  
Village of Sheffield Treasurer  
4820 Detroit Road  
Sheffield Village, OH 44035

**City of Avon**

The Honorable James A. Smith  
Mayor, City of Avon  
36080 Chester Road  
Avon, OH 44011

Mr. Craig Witherspoon, President  
City of Avon, City Council  
36080 Chester Road  
Avon, OH 44011

Mr. Robert Kopf, P.E.  
City of Avon Engineer  
36080 Chester Road  
Avon, OH 44011

Mr. Jim Piazza  
City of Avon Planning Coordinator  
36080 Chester Road  
Avon, OH 44011

**Lorain County**

The Honorable Lori Kokoski  
Lorain County Commissioner  
226 Middle Avenue, 4<sup>th</sup> Floor  
Elyria, OH 44035

Mr. James Cordes  
Lorain County Administrator  
226 Middle Avenue, 4<sup>th</sup> Floor  
Elyria, OH 44035

The Honorable Ted Kalo  
Lorain County Commissioner  
226 Middle Avenue, 4<sup>th</sup> Floor  
Elyria, OH 44035

Mr. Ken Carney, P.E., P.S.  
Lorain County Engineer  
247 Hadaway Street  
Elyria, OH 44035

The Honorable Tom Williams  
Lorain County Commissioner  
226 Middle Avenue, 4<sup>th</sup> Floor  
Elyria, OH 44035

Mr. Don Romancak, Director  
Lorain County Community Development  
Department  
226 Middle Avenue, 5<sup>th</sup> Floor  
Elyria, OH 44035

December 22, 2011

The Honorable John D. Hunter  
Mayor, Village of Sheffield  
Sheffield Village Municipal Complex  
4340 Colorado Avenue  
Sheffield Village, OH 44054

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

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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

Mr. Timothy Pelcic  
Village of Sheffield Treasurer  
4820 Detroit Road  
Sheffield Village, OH 44035

December 22, 2011

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

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

Attachment

Mr. Ken Kaczay, Administrator  
Village of Sheffield  
Sheffield Village Municipal Complex  
4340 Colorado Avenue  
Sheffield Village, OH 44054

December 22, 2011

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

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Sincerely,



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

Attachment

The Honorable James A. Smith  
Mayor, City of Avon  
36080 Chester Road  
Avon, OH 44011

December 22, 2011

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

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

Attachment

Mr. Robert Kopf, P.E.  
City of Avon Engineer  
36080 Chester Road  
Avon, OH 44011

December 22, 2011

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

Dear Mr. Kopf,

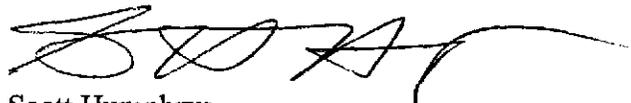
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Sincerely,



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

Attachment

Mr. Jim Piazza  
City of Avon Planning Coordinator  
36080 Chester Road  
Avon, OH 44011

December 22, 2011

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

Dear Mr. Piazza,

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Sincerely,



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

Attachment

Mr. William Logan  
City of Avon Finance Director  
36080 Chester Road  
Avon, OH 44011

December 22, 2011

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

Dear Mr. Logan,

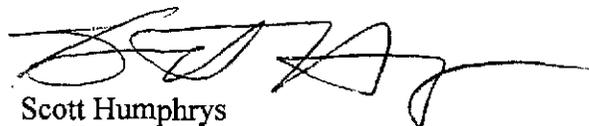
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Scott Humphrys  
Transmission Specialist  
Energy Delivery Transmission and  
Substation Design  
FirstEnergy Service Company

Attachment

The Honorable Lori Kokoski  
Lorain County Commissioner  
226 Middle Avenue, 4<sup>th</sup> Floor  
Elyria, OH 44035

December 22, 2011

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

Dear Ms. Kokoski,

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Sincerely,



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

Attachment

The Honorable Ted Kalo  
Lorain County Commissioner  
226 Middle Avenue, 4<sup>th</sup> Floor  
Elyria, OH 44035

December 22, 2011

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

Dear Mr. Kalo,

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

Attachment

The Honorable Tom Williams  
Lorain County Commissioner  
226 Middle Avenue, 4<sup>th</sup> Floor  
Elyria, OH 44035

December 22, 2011

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

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Energy Delivery Transmission and  
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Attachment

Mr. James Cordes  
Lorain County Administrator  
226 Middle Avenue, 4<sup>th</sup> Floor  
Elyria, OH 44035

December 22, 2011

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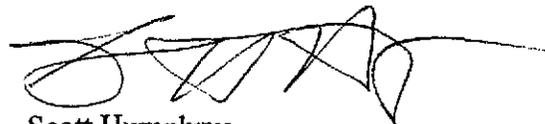
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Scott Humphrys  
Transmission Specialist  
Energy Delivery Transmission and  
Substation Design  
FirstEnergy Service Company

Attachment

Mr. Ken Carney, P.E., P.S.  
Lorain County Engineer  
247 Hadaway Street  
Elyria, OH 44035

December 22, 2011

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

Dear Mr. Carney,

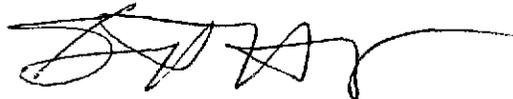
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Scott Humphrys  
Transmission Specialist  
Energy Delivery Transmission and  
Substation Design  
FirstEnergy Service Company

Attachment

Mr. Don Romancak, Director  
Lorain County Community Development Department  
226 Middle Avenue, 5<sup>th</sup> Floor  
Elyria, OH 44035

December 22, 2011

**Construction Notice**  
**Johnson-Lorain 138 kV Transmission Line**  
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**Case No. 11- EL-BNR**

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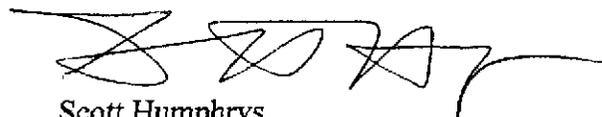
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Transmission Specialist  
Energy Delivery Transmission and  
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FirstEnergy Service Company

Attachment

NA

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

**CONSTRUCTION NOTICE**

**JOHNSON-LORAIN 138kV**  
**TRANSMISSION LINE RECONDUCTORING PROJECT**

**OPSB CASE NO. 11- 6031 -EL-BNR**

**December 22, 2011**

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

**CONSTRUCTION NOTICE  
JOHNSON-LORAIN 138kV  
TRANSMISSION LINE RECONDUCTORING**

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**

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

Name of Project: Johnson-Lorain 138 kV Transmission Line Reconductoring Project (“Project”)

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

**4906-11-02 (B) (2) a : Brief Description of Project**

In this Project, American Transmission Systems, Incorporated (“ATSI”), a FirstEnergy Corp. subsidiary, is proposing to reconductor an approximately 1.5 mile long segment of the Johnson-Lorain 138 kV Transmission Line. This will be accomplished by replacing the existing conductors of the transmission line on existing steel lattice towers, with new conductors. The Johnson-Lorain 138 kV Transmission Line shares the existing towers with the Lorain-Carlisle 138 kV Transmission Line. The Johnson-Lorain 138 kV Transmission Line is located on the north side of the existing steel lattice transmission towers. Currently, the conductors are 636 kcmil 36/1 ACSR. The new conductors that will replace them are 795 kcmil 26/7 ACSR. Exhibit 1, which is a partial copy of the United States Geologic Survey, Lorain County Ohio Quad Map ID 41082-D1. shows the General Location and General Layout of the section of the Johnson-Lorain 138 kV Transmission Line to be reconducted.

The Project is located in the Village of Sheffield and the city of Avon, Lorain County, Ohio. The existing and reconducted Transmission Line will be owned and operated by ATSI.

**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 Item (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 1.5 miles of existing 636 kmil 36/1 ACSR conductor with 795 kmil 26/7 ACSR conductor.

**4906-11-02 (B) (3): Need for the Project**

This Project is needed to support the new Black River Substation (Refer to PUCO Case Number 11-5855-EL-BSB), which in turn will support the new planned industrial load growth in the Lorain, Ohio area.

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

Construction on the project is expected to begin as early as November 1, 2012 and be completed by April 1, 2013.

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

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

Total	\$ 200,000
-------	------------

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

The reconducted Transmission Line will have the following characteristics:

Voltage:	138 kV
Conductors:	
Existing – to be removed	636 kcmil 36/1 ACSR
New – to be installed	795 kcmil 26/7 ACSR

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 toward Cleveland approximately 86 miles. Take exit 196 for OH-301 toward W. Salem. Turn left onto OH-301 N/Elyria Rd. and go 6.6 miles. Turn left onto OH-301 N/US-224 W/Greenwich Rd and take the 1<sup>st</sup> right onto OH-301 N/Spencer Rd and go 14.5 miles. At the traffic circle, continue straight onto OH-301 N/N Center St and go 5.5 miles. Turn right to merge onto OH-301 N/US-20 E toward Cleveland and go 2.9 miles. Exit onto OH-301 N/OH-57 N/US-20 E and go 3.5 miles. Turn right onto OH-113 E/US-20 E/Cleveland St. and go 1 mile. Turn left onto Case Road and go 3.5 miles. Turn right onto Detroit Rd and go 0.7 miles. Lorain Substation, the eastern extent of the Project will be on the right. The Project then trends west for approximately 1.5 miles.

**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 the Village of Sheffield and the City of Avon, Lorain 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.

**Village of Sheffield**

The Honorable John D. Hunter  
Mayor, Village of Sheffield  
Sheffield Village Municipal Complex  
4340 Colorado Avenue  
Sheffield Village, OH 44054

Mr. Ken Kaczay, Administrator  
Village of Sheffield  
Sheffield Village Municipal Complex  
4340 Colorado Avenue  
Sheffield Village, OH 44054

Mr. Timothy Pelcic  
Village of Sheffield Treasurer  
4820 Detroit Road  
Sheffield Village, OH 44035

**City of Avon**

The Honorable James A. Smith  
Mayor, City of Avon  
36080 Chester Road  
Avon, OH 44011

Mr. Craig Witherspoon, President  
City of Avon, City Council  
36080 Chester Road  
Avon, OH 44011

Mr. Robert Kopf, P.E.  
City of Avon Engineer  
36080 Chester Road  
Avon, OH 44011

Mr. Jim Piazza  
City of Avon Planning Coordinator  
36080 Chester Road  
Avon, OH 44011

**Lorain County**

The Honorable Lori Kokoski  
Lorain County Commissioner  
226 Middle Avenue, 4<sup>th</sup> Floor  
Elyria, OH 44035

Mr. James Cordes  
Lorain County Administrator  
226 Middle Avenue, 4<sup>th</sup> Floor  
Elyria, OH 44035

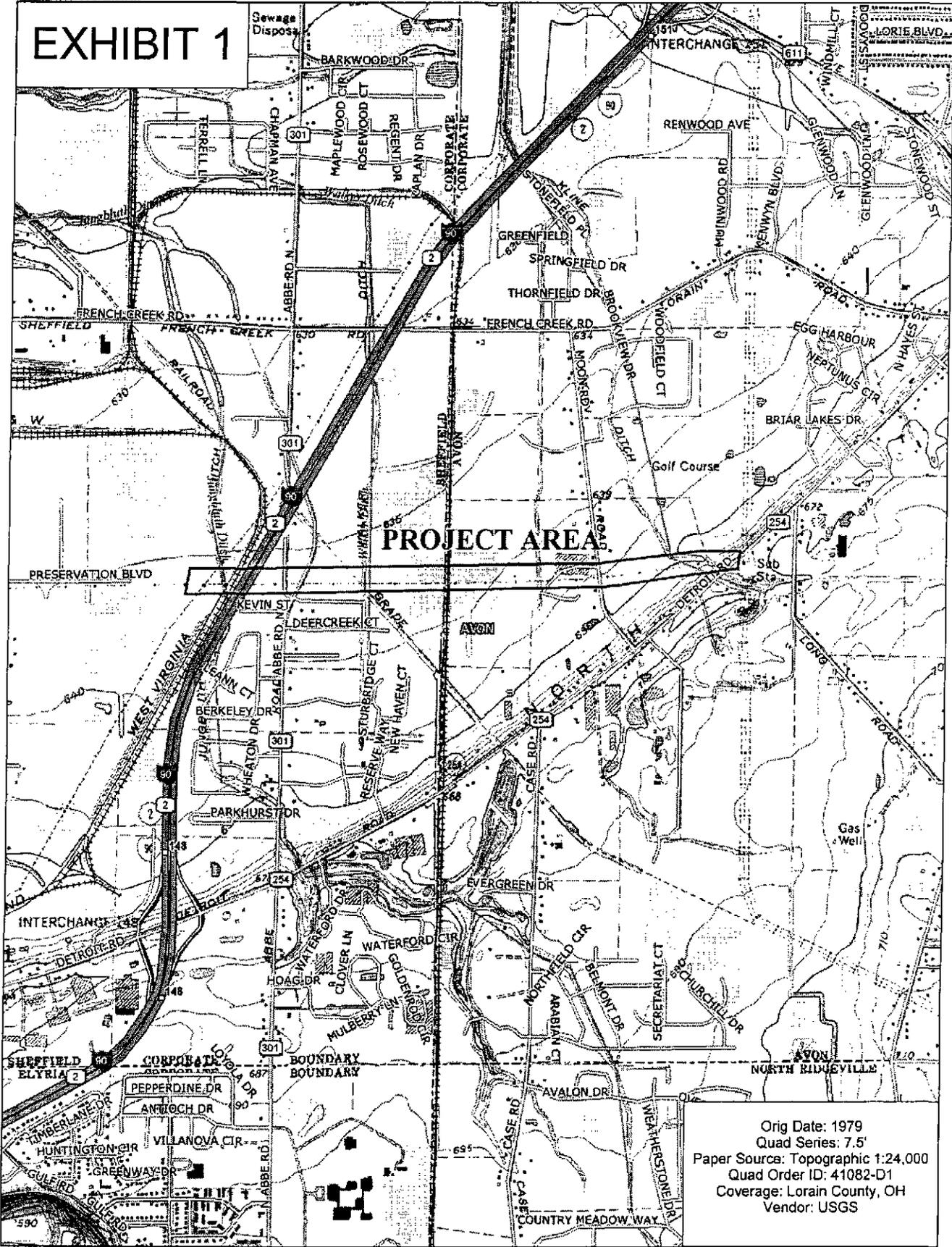
The Honorable Ted Kalo  
Lorain County Commissioner  
226 Middle Avenue, 4<sup>th</sup> Floor  
Elyria, OH 44035

Mr. Ken Carney, P.E., P.S.  
Lorain County Engineer  
247 Hadaway Street  
Elyria, OH 44035

The Honorable Tom Williams  
Lorain County Commissioner  
226 Middle Avenue, 4<sup>th</sup> Floor  
Elyria, OH 44035

Mr. Don Romancak, Director  
Lorain County Community Development  
Department  
226 Middle Avenue, 5<sup>th</sup> Floor  
Elyria, OH 44035

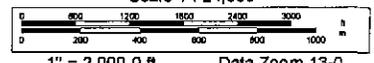
# EXHIBIT 1



**PROJECT AREA**

Orig Date: 1979  
 Quad Series: 7.5'  
 Paper Source: Topographic 1:24,000  
 Quad Order ID: 41082-D1  
 Coverage: Lorain County, OH  
 Vendor: USGS

Scale 1 : 24,000



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