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76 South Main St. Akron, Ohio 44308

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1-800-646-0400

PUC Qgust 26, 2008

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

Construction Notice Bayshore-Maclean-Lemoyne 138 kV Transmission Line Reconductoring Project Case No. 08-//28 -EL-BNR

Dear Ms. Jenkins:

In accordance with Rule 4906-11-01, 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, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy Corp. subsidiary, is proposing to reconductor an approximately 2.8 mile long segment of the double circuit Bayshore-Maclean-Lemoyne 138 kV Transmission Line. This will be accomplished by replacing the existing conductors on the southern side of the existing transmission structures on the segment of the transmission line from Walbridge Junction to the Maclean Substation.

The Project area is located in an existing transmission corridor extending in the Township of Troy, Wood 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:

Bayshore-Maclean-Lemoyne 138kV Transmission Line

Reconductoring Project

c) Location of proposed facilities:

The Project area is located in an existing transmission corridor extending in the Township of Troy, Wood 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.

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d) Description of proposed facilities;

The Project involves reconductoring an approximately 2.8 mile long segment of the Bayshore-Maclean-Lemoyne 138 kV Transmission Line by replacing the existing conductors on the southern side of the existing transmission structures on the segment of the transmission line from Walbridge Junction to the Maclean Substation.

e) Applicant's representative:

Scott M. Humphrys, Associate Distribution Specialist Energy Delivery Technical Services FirstEnergy Service Company

76 South Main Street Akron, OH 44308-1890

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

Associate Distribution Specialist Energy Delivery Technical Services FirstEnergy Service Company

EXHIBIT 1:

Officials Served Copy of Construction Notice Bayshore-Maclean-Lemoyne 138kV Transmission Line Reconductoring Project Case No. 08- -EL-BNR

Troy Township

Mr. Robert Emans Trustee, Troy Township 311 Krotzer Avenue P. O. Box128 Luckey, OH 43443

Mr. Steven Levorchick Trustee, Troy Township 311 Krotzer Avenue P. O. Box128 Luckey, OH 43443

Wood County

The Honorable James Carter Wood County Commissioner, President One Courthouse Square Bowling Green, OH 43402

The Honorable Tim Brown Wood County Commissioner One Courthouse Square Bowling Green, OH 43402

The Honorable Alvin Perkins Wood County Commissioner One Courthouse Square Bowling Green, OH 43402 Mr. Earl Hagg Trustee, Troy Township 311 Krotzer Avenue P. O. Box128 Luckey, OH 43443

Ms. Linda Biniker
Fiscal Officer, Troy Township
311 Krotzer Avenue
P. O. Box128
Luckey, OH 43443

Mr. Raymond Huber P.E., P.S. Wood County Engineer One Courthouse Square, Floor 3 Bowling Green, OH 43402

Mr. Dave Steiner
Director, Wood County Planning Commission
One Courthouse Square, Floor 5
Bowling Green, OH 43402

Mr. Robert Emans Trustee, Troy Township 311 Krotzer Avenue P.O. Box 128 Luckey, OH 43443 August 26, 2008

Construction Notice Bayshore-Maclean-Lemoyne 138kV Transmission Line Reconductoring Project Case No. 08- -EL-BNR

Dear Mr. Emans,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy Corp. subsidiary, is proposing to reconductor an approximately 2.8 mile long segment of the double circuit Bayshore-Maclean-Lemoyne 138 kV Transmission Line. This will be accomplished by replacing the existing conductors on the southern side of the existing transmission structures on the segment of the transmission line from Walbridge Junction to the Maclean Substation.

The Project area is located in an existing transmission corridor in the Township of Troy, Wood County, Ohio. The entire Project will occur on right-of-way that already is used by ATSI for existing transmission facilities. As such, there should be little or 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 ("CN"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached CN with the OPSB for their review and approval. The CN 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

Associate Distribution Specialist Energy Delivery Technical Services FirstEnergy Service Company

Mr. Steven Levorchick Trustee, Troy Township 311 Krotzer Avenue P.O. Box 128 Luckey, OH 43443 August 26, 2008

Construction Notice Bayshore-Maclean-Lemoyne 138kV Transmission Line Reconductoring Project Case No. 08- -EL-BNR

Dear Mr. Levorchick,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy Corp. subsidiary, is proposing to reconductor an approximately 2.8 mile long segment of the double circuit Bayshore-Maclean-Lemoyne 138 kV Transmission Line. This will be accomplished by replacing the existing conductors on the southern side of the existing transmission structures on the segment of the transmission line from Walbridge Junction to the Maclean Substation.

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Sincerely,

Scott Humphrys

Associate Distribution Specialist Energy Delivery Technical Services FirstEnergy Service Company



Mr. Earl Hagg Trustee, Troy Township 311 Krotzer Avenue P.O. Box 128 Luckey, OH 43443 August 26, 2008

Construction Notice Bayshore-Maclean-Lemoyne 138kV Transmission Line Reconductoring Project Case No. 08- -EL-BNR

Dear Mr. Hagg,

In the above captioned project, American Transmission Systems, Incorporated ("ATSP"), a FirstEnergy Corp. subsidiary, is proposing to reconductor an approximately 2.8 mile long segment of the double circuit Bayshore-Maclean-Lemoyne 138 kV Transmission Line. This will be accomplished by replacing the existing conductors on the southern side of the existing transmission structures on the segment of the transmission line from Walbridge Junction to the Maclean Substation.

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Sincerely,

Scott Humphrys

Associate Distribution Specialist Energy Delivery Technical Services

FirstEnergy Service Company



Ms. Linda Biniker Fiscal Officer, Troy Township 311 Krotzer Avenue P.O. Box 128 Luckey, OH 43443 August 26, 2008

Construction Notice Bayshore-Maclean-Lemoyne 138kV Transmission Line Reconductoring Project Case No. 08- -EL-BNR

Dear Ms. Biniker.

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Sincerely,

Scott Humphrys

Associate Distribution Specialist Energy Delivery Technical Services FirstEnergy Service Company



The Honorable James Carter Wood County Commissioner, President One Courthouse Square Bowling Green, OH 43402 August 26, 2008

Construction Notice Bayshore-Maclean-Lemoyne 138kV Transmission Line Reconductoring Project Case No. 08- -EL-BNR

Dear Commissioner Carter.

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy Corp. subsidiary, is proposing to reconductor an approximately 2.8 mile long segment of the double circuit Bayshore-Maclean-Lemoyne 138 kV Transmission Line. This will be accomplished by replacing the existing conductors on the southern side of the existing transmission structures on the segment of the transmission line from Walbridge Junction to the Maclean Substation.

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Sincerely,

Scott Humphrys

Associate Distribution Specialist Energy Delivery Technical Services FirstEnergy Service Company



The Honorable Tim Brown Wood County Commissioner One Courthouse Square Bowling Green, OH 43402 August 26, 2008

Construction Notice Bayshore-Maclean-Lemoyne 138kV Transmission Line Reconductoring Project Case No. 08---EL-BNR

Dear Commissioner Brown,

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Sincerely,

Scott Humphrys 1

Associate Distribution Specialist Energy Delivery Technical Services FirstEnergy Service Company



The Honorable Alvin Perkins Wood County Commissioner One Courthouse Square Bowling Green, OH 43402 August 26, 2008

Construction Notice Bayshore-Maclean-Lemoyne 138kV Transmission Line Reconductoring Project Case No. 08- -EL-BNR

Dear Commissioner Perkins,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy Corp. subsidiary, is proposing to reconductor an approximately 2.8 mile long segment of the double circuit Bayshore-Maclean-Lemoyne 138 kV Transmission Line. This will be accomplished by replacing the existing conductors on the southern side of the existing transmission structures on the segment of the transmission line from Walbridge Junction to the Maclean Substation.

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Sincerely,

Scott Humphry's

Associate Distribution Specialist Energy Delivery Technical Services FirstEnergy Service Company



Mr. Raymond Huber P.E., P.S. Wood County Engineer One Courthouse Square, Floor 3 Bowling Green, OH 43402 August 26, 2008

Construction Notice Bayshore-Maclean-Lemoyne 138kV Transmission Line Reconductoring Project Case No. 08- -EL-BNR

Dear Mr. Huber,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy Corp. subsidiary, is proposing to reconductor an approximately 2.8 mile long segment of the double circuit Bayshore-Maclean-Lemoyne 138 kV Transmission Line. This will be accomplished by replacing the existing conductors on the southern side of the existing transmission structures on the segment of the transmission line from Walbridge Junction to the Maclean Substation.

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Scott Humphrys

Associate Distribution Specialist Energy Delivery Technical Services FirstEnergy Service Company

Mr. Dave Steiner
Director, Wood County Planning Commission
One Courthouse Square, Floor 5
Bowling Green, OH 43402

August 26, 2008

Construction Notice Bayshore-Maclean-Lemoyne 138kV Transmission Line Reconductoring Project Case No. 08- -EL-BNR

Dear Mr. Steiner,

In the above captioned project, American Transmission Systems, Incorporated ("ATSP"), a FirstEnergy Corp. subsidiary, is proposing to reconductor an approximately 2.8 mile long segment of the double circuit Bayshore-Maclean-Lemoyne 138 kV Transmission Line. This will be accomplished by replacing the existing conductors on the southern side of the existing transmission structures on the segment of the transmission line from Walbridge Junction to the Maclean Substation.

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

Scott Humphrys

Sincerely

Associate Distribution Specialist Energy Delivery Technical Services

FirstEnergy Service Company

AMERICAN TRANSMISSION SYSTEMS, INCORPORATED A Subsidiary of FirstEnergy Corp.

CONSTRUCTION NOTICE

BAYSHORE-MACLEAN-LEMOYNE 138kV

TRANSMISSION LINE RECONDUCTORING

OPSB CASE NO. 08-____-EL-BNR

August 26, 2008

American Transmission Systems, Incorporated 76 South Main Street Akron, Ohio 44308 CONSTRUCTION NOTICE BAYSHORE-MACLEAN-LEMOYNE 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: <u>Construction Notice Requirements</u> of the Rules and Regulations of the Ohio Power Siting Board.

4906-11-02 (A): Construction Notice Requirements

4906-11-02 (A) (1): Name of the Project

Name of Project:

Bayshore-Maclean-Lemoyne 138 kV Transmission Line

Reconductoring Project ("Project")

4906-11-02 (A) (2) (a.): Brief Description of Project

In this Project, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy Corp. subsidiary, is proposing to reconductor an approximately 2.8 mile long segment of the double circuit Bayshore-Maclean-Lemoyne 138 kV Transmission Line. This will be accomplished by replacing the existing conductors on the southern side of the existing transmission structures on the segment of the transmission line from Walbridge Junction to the Maclean Substation. Exhibit 1 shows the General Location of the Bayshore-Maclean-Lemoyne 138 kV transmission line and Walbridge Junction.

The reconductoring work will involve replacing approximately 2.8 miles of existing 636 kcmil 26/7 ACSR with 477 kcmil ACSS/TW conductors. The reconductoring process will also include the reconfiguration of the double circuit Bayshore-Maclean-Lemoyne 138kV Transmission Line from a 3-terminal configuration to three (3) 2-terminal lines creating Bayshore-Maclean, Lemoyne-Maclean and Bayshore-Lemoyne 138 kV Transmission Line circuits. This will be accomplished by reconfiguring the transmission line connections on the existing transmission line structure at Walbridge Junction, as shown in Exhibit 3.

The Project is located in Troy Township, Wood County, Ohio. The existing and reconductored Transmission Line will be owned and operated by ATSI.

4906-11-02 (A) (2) (b): Construction Notice Requirements

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. Which states:

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

The proposed Project replaces approximately 2.8 miles of the existing conductors of the Bayshore-Maclean-Lemoyne 138 kV Transmission Line with new conductors.

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

Based on 2006 loads, a NERC category B evaluated outage of one circuit of the Bayshore-Lemoyne-Maclean 138 kV Transmission Line results in loadings of 123% of SN (241MVA) and 101% of SE (292MVA) on the southern Walbridge Junction-Maclean segment of the remaining Bayshore-Maclean-Lemoyne 138 kV Transmission line. By reconductoring the Bayshore-Maclean-Lemoyne 138kV Transmission Lines and by reconfiguring it into three (3) 2-terminal lines, contingency overloads can be mitigated and reliability can be improved by minimizing overtrippings and simplifying switching.

4906-11-02 (A) (4): Construction Schedule

Construction on the project is expected to begin February 1, 2009 and be completed by June 1, 2009.

4906-11-02 (A) (5): Estimated Costs

The following are the estimated capital costs by FERC Accounts for the proposed project:

Account		Cost	
356	Overhead Conductors & Devices	\$	260,000
	Removal	\$	50,000
	Total	\$	310,000

4906-11-02 (A) (6): Operating Characteristics

The reconductored Transmission Line will have the following characteristics:

Voltage:

138 kV

Conductors:

Existing – to be removed
Existing – to remain
New – to be installed

636 kcmil 26/7 ACSR 1024.5 kcmil 24/13 ACAR 477 kcmil ACSS/TW

Static wire:

Existing – to remain Existing – to remain

5/16 inch copperweld (one span)

101.8 kcmil 12/7 ACSR

Insulators:

138 kV polymer horizontal post or

suspension insulators

New Structures:

Not Applicable

4906-11-02 (A) (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 10.1 miles. Take exit 119 to merge onto I-270 west toward Dayton approximately 2.2 miles. Take exit 23 for US-23 north toward Delaware for half of a mile. Merge onto North High Street/US-23 and continue to follow US-23 approximately 58.5 miles. Turn slightly right at US-23 north and proceed approximately 7.5 miles and continue on OH-15 west for 17 miles. Merge onto I-75 north /OH-15 west via the ramp to Toledo and continue to follow I-75 north approximately 38.2 miles. Take exit 195 for OH-795 toward Perrysburg and turn right at Ave Road/OH-785 east. Continue to follow OH-795 east approximately 7.0 miles and turn left at Pemberville Road. Proceed approximately 1.8 miles and the Walbridge Junction is to the east of the railroad tracks.

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

This Construction Notice is being provided concurrently to the following officials of Troy Township, Wood 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.

Troy Township

Mr. Robert Emans Trustee, Troy Township 311 Krotzer Avenue P. O. Box128 Luckey, OH 43443

Mr. Steven Levorchick Trustee, Troy Township 311 Krotzer Avenue P. O. Box128 Luckey, OH 43443

Wood County

The Honorable James Carter Wood County Commissioner, President One Courthouse Square Bowling Green, OH 43402

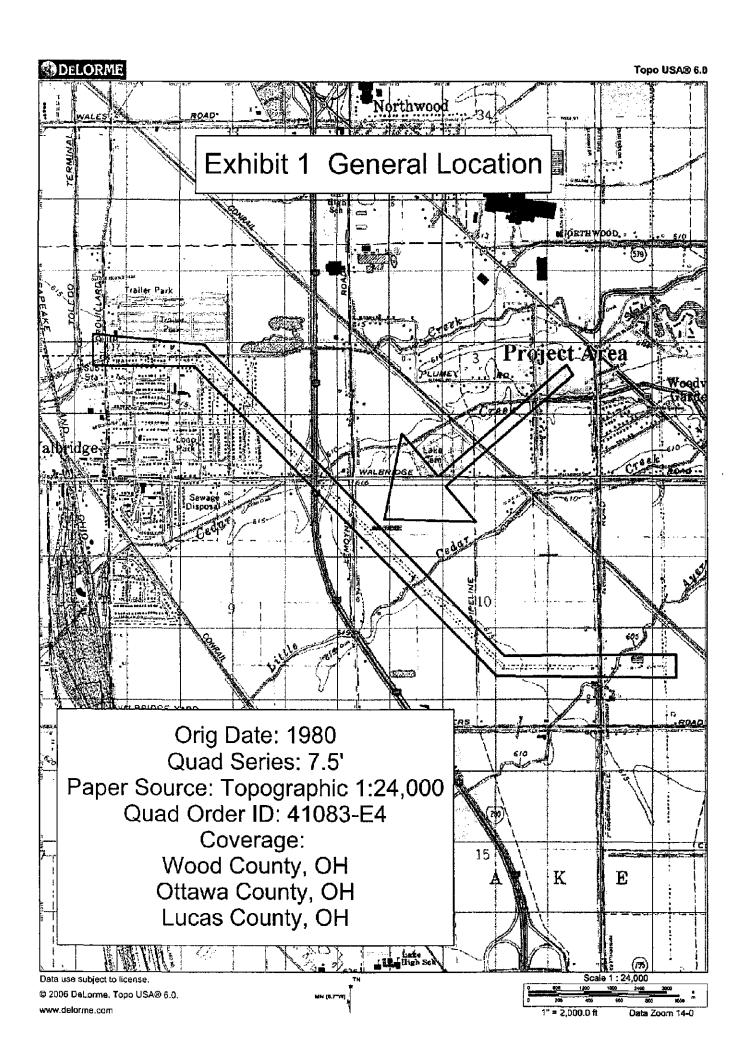
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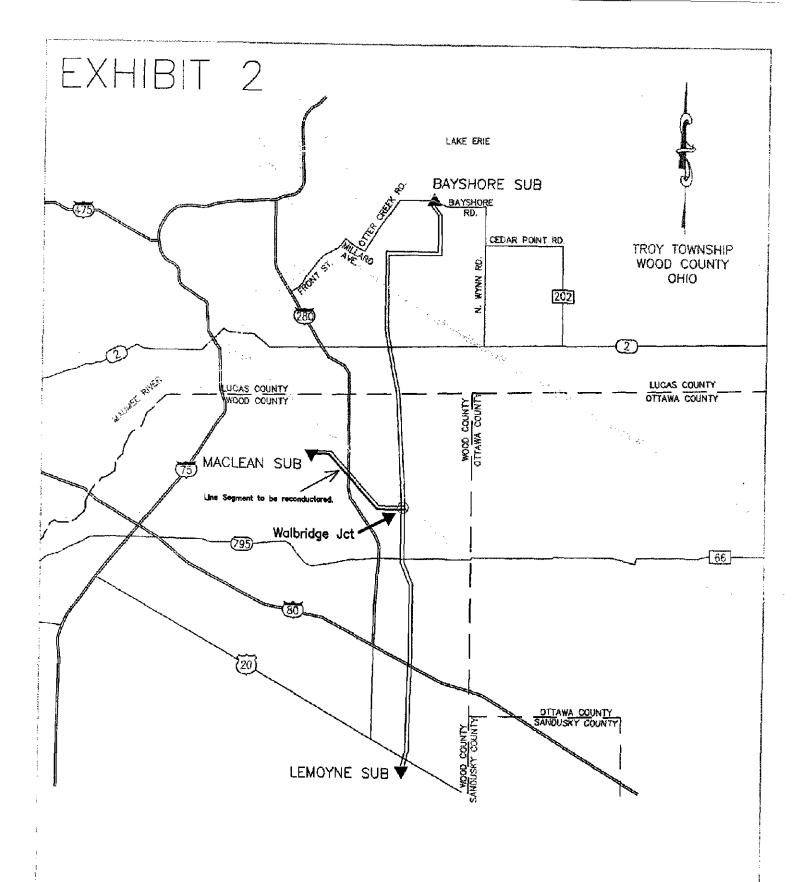
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Fiscal Officer, Troy Township
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Luckey, OH 43443

The Honorable Alvin Perkins Wood County Commissioner One Courthouse Square Bowling Green, OH 43402

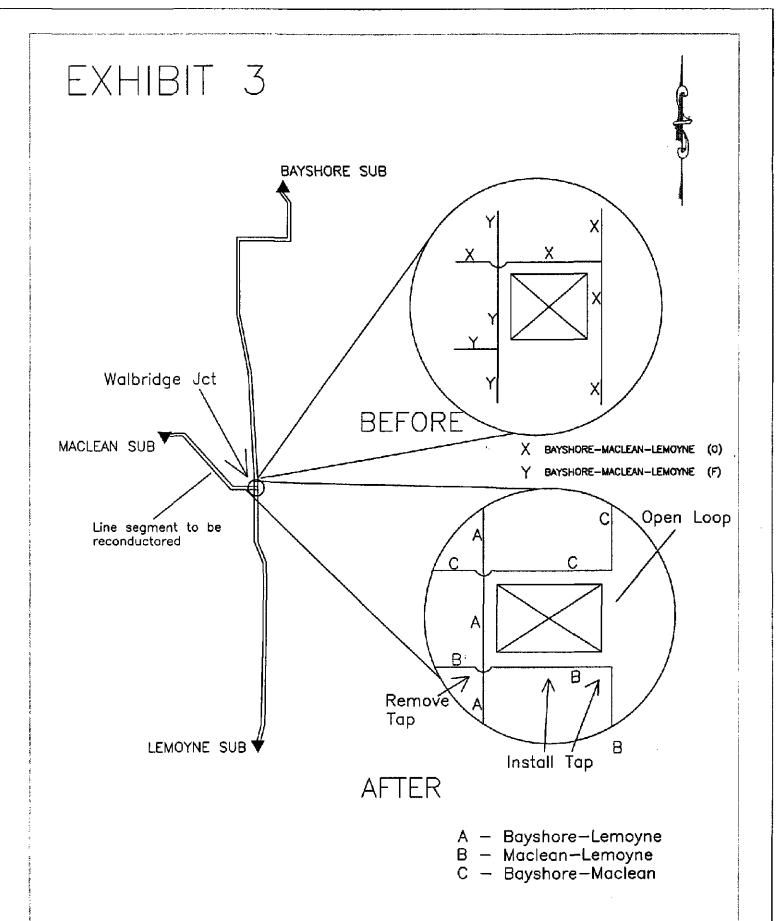
Mr. Dave Steiner
Director, Wood County Planning
Commission
One Courthouse Square, Floor 5
Bowling Green, OH 43402





BAYSHORE-MACLEAN-LEMOYNE 138kV TRANSMISSION LINE RECONDUCTORING

FirstEnergy,



BAYSHORE-MACLEAN-LEMOYNE 138kV TRANSMISSION LINE RECONDUCTORING FISHERBY.