

**AMERICAN TRANSMISSION SYSTEMS,
INCORPORATED
A FIRSTENERGY COMPANY**

CONSTRUCTION NOTICE

**ALLEN JUNCTION-WESTGATE 138 kV TRANSMISSION
LINE SWITCH REPLACEMENT PROJECT**

OPSB CASE NO.: 17-1673-EL-BNR

August 9, 2017

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

**CONSTRUCTION NOTICE
ALLEN JUNCTION-WESTGATE 138 kV
TRANSMISSION LINE SWITCH REPLACEMENT PROJECT**

The following information is being provided in accordance with the procedures in the Ohio Administrative Code (“OAC”) Chapter 4906-6 for the application and review of Accelerated Certificate Applications. Based upon the requirements found in Appendix A to OAC Rule 4906-1-01, this Project qualifies for submittal to the Ohio Power Siting Board (“Board”) as a Construction Notice application.

4906-6-05: ACCELERATED APPLICATION REQUIREMENTS

4906-6-05: Name and Reference Number

Name of Project: Allen Junction-Westgate 138 kV Transmission Line Switch Replacement Project (“Project”).

2017 LTFR Reference: This Project is not included in the FirstEnergy Corp. 2017 Long Term Forecast Report submitted to the Public Utility Commission of Ohio (“PUCO”) in Case Number 17-0913-EL-FOR.

4906-6-05 (B)(1): Brief Description of the Project

In this Project, American Transmission Systems, Incorporated (“ATSI”), a FirstEnergy company, is proposing to replace an existing switch structure on the Allen Junction-Westgate 138 kV Transmission Line with a new switch structure approximately 15 feet to the west of its current location. The existing switch structure, with a delta configuration, will be removed and the new switch structure, with a vertical configuration, will be installed approximately 15 feet west of the existing switch structure’s location on the same centerline as the existing transmission line. The same conductors and shield wires currently attached to the existing switch will be used on the Project.

The general location of the Project is shown in Exhibit 1, a partial copy of the United States Geologic Survey, Lucas County OH, Quad Map, ID number 41083-F6. Exhibit 2 is a copy of Bing aerial imagery of the Project area. The Project is located at

approximately 6400 Monroe Street in public right of way. The general layout is shown in Exhibit 3. The Project will be located in the City of Sylvania, Lucas County Ohio.

4906-6-05 (B)(1): Construction Notice Requirement

The Project meets the requirements for a Construction Notice because the Project is within the types of projects defined by Item (2)(a) of the Application Requirement Matrix for Electric Power Transmission Lines, Appendix A of OAC Rule 4906-1-01. This item states:

(2) Adding new circuits on existing structures designed for multiple circuit use, replacing conductors on existing structures with larger or bundled conductors, adding structures to an existing line or replacing structures with a different type of structure, for a distance of:

(a) two miles or less

The proposed Project is within the requirements of Item (2)(a) as it involves replacing the existing structure with a slightly different structure approximately 15 feet to the west of the original location on the same centerline.

4906-6-05 (B)(2): Need For the Project

The Project is needed to replace a non-operational switch on the Allen-Junction Westgate Line. This will ensure reliability to the Flowers Hospital 138 kV Transmission Line Tap off the Allen Junction-Westgate 138 kV Transmission Line.

4906-6-05 (B)(3): Location of the Project Relative to Existing or Proposed Lines

The location of the Project relative to existing or proposed lines is shown in the ATSI Transmission Network Map, included as part of the confidential portion of the FirstEnergy Corp. 2017 Long-Term Forecast Report. This map was submitted to the PUCO in Case No. 17-0913-EL-FOR under Rule 4901:5-5:04 (C)(2)(b) of the Ohio Administrative Code. The map is incorporated by reference only. This map shows

ATSI's 345 kV and 138 kV transmission lines and transmission substations including the Allen Junction-Westgate 138 kV. The project area is located approximately $2 \frac{5}{8}$ inches (11" x 17" printed version) from the left edge of the map and $1 \frac{1}{8}$ inches (11" x 17" printed version) from the top of the map. The general location and layout of the project area is shown in Exhibits 1 and 2.

4906-6-05 (B)(4): Alternatives Considered

Due to the nature of the Project no alternatives were considered as the structure replacement occurred in effectively the same location without any changes to the centerline.

4906-6-05 (B)(5): Public Information Program

ATSI's manager of External Affairs will advise local officials of features and the status of the proposed Transmission Line Project as necessary. ATSI will maintain a copy of this Construction Notice on FirstEnergy's website. Letters will be sent to affected property owners at least 7 days before construction begins on the project informing them of the Project's start and a proposed timeframe of construction and restoration activities.

4906-6-05 (B)(6): Construction Schedule

The construction schedule for this Project is expected to begin as early as September 18th, 2017 and completed by October 1st, 2017.

4906-6-05 (B)(7): Area Map

Exhibit 1 depicts the general location of the Project. This Exhibit provides a partial copy of the United States Geological Survey, Lucas County OH, quadrangle map (Quad Order ID41083-F6). Exhibit 2 provides a copy of Bing aerial imagery of the project area.

4906-6-05 (B)(8): Property Owner List

The Project is located on existing public right-of-way. No new right-of-way is required for the Project. Table 1 contains a list of property owners affected by the project.

4906-6-05 (B)(9): TECHNICAL FEATURES OF THE PROJECT

4906-6-05 (B)(9)(a): Operating Characteristics

The transmission line construction will have the following characteristics:

| | |
|------------------|--|
| Voltage: | 138 kV |
| Conductors: | 954 kcmil AAC 37 954 kcmil ACSR 48/7 |
| Static Wire: | 3#7 Alumoweld 3#6 Alumoweld |
| Insulators: | Polymer |
| ROW Width: | To the edge of public right-of-way |
| Structure Types: | Exhibit 4: Single circuit, wood pole and switch structure, 3 additional conductors. One (1) structure is needed. |

4906-6-05 (B)(9)(b): Electric and Magnetic Fields

The closest occupied residence or institution is approximately 120 feet from the proposed transmission line centerline therefore no Electric and Magnetic Field (“EMF”) calculations are required by this code provision.

4906-6-05 (B)(9)(c): Estimated Cost

The estimated capital cost for the proposed project is approximately \$181,248.

4906-6-05 (B)(10): SOCIAL AND ECOLOGICAL IMPACTS

4906-6-05 (B)(10)(a): Land Uses

The Project is located in Sylvania, Lucas County Ohio. The main land use around the Project area is zoned as both commercial business and residential. The Project is located in public right-of-way and the adjacent land, although zoned as residential is used as a cemetery.

4906-6-05 (B)(10)(b): Agricultural Land

Agricultural land does not exist within the Project's disturbance area.

4906-6-05 (B)(10)(c): Archaeological or Cultural Resources

As part of the investigation, a search of Ohio Historic Preservation Office ("OHPO") online database was conducted to identify the existence of any significant archeological or cultural resource sites within 0.5 miles of the Project Area. The results of the search are shown in Exhibit 5. The specific locations of any archeological resources are excluded from the map and are instead listed in Table 6.

The OHPO database includes all Ohio listings on the National Register of Historic Places ("NRHP"), including districts, sites, building, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture. The results of the search indicate that no listed NRHP sites and two (2) NRHP eligible sites were identified within 0.5 miles of the Project potential disturbance area. The NRHP eligible sites are shown in Table 5.

The OHPO database also includes listing of the Ohio Archaeological Inventory ("OAI"), the Ohio Historic Inventory ("OHI"), previous cultural resource surveys, and the Ohio Genealogical Society ("OGS") cemetery inventory. One (1) OAI listed archeological resource has been previously inventoried within 0.5 miles of the Project area and is shown in Table 6. Thirty-five (35) listed structural resources are located within 0.5 miles of the Project area and is shown in Table 7. No previous cultural resource survey was conducted within 0.5 miles of the Project area. Three (3) OSG cemeteries are located within 0.5 miles of the Project area and are provided in Table 8.

Table 5. List of Eligible National Historic Registered Places

| Resource Name | OHI Number | Address | County | Eligibility |
|--------------------------------|-------------------|--------------------------------------|---------------|--------------------|
| Udell Law Ltd. | LUC0157202 | 5738 Main St, Sylvania OH 43560 | Lucas | YES |
| LUC - Lathrop House Phase 2 | LUC0434202 | 5362 S Main St, Sylvania OH 43560 | Lucas | YES |

Table 6. List of OAI Listed Archeological Resources

| OAI Number | Affiliation | Description | County | Quad Name |
|-------------------|--------------------|--------------------|---------------|------------------|
| LU0389 | Prehistoric | Late Woodland | Lucas | Sylvania |

Table 7. List of OHI Listed Structural Resources

| OHI Number | Present Name | Historic Use | County | Municipality |
|-------------------|--|-----------------------------------|---------------|---------------------|
| LUC0434802 | Reve's Salon | Retail store/shop | Lucas | Sylvania |
| LUC0434902 | Un Ver Ferth Interiors | Retail store/shop | Lucas | Sylvania |
| LUC0435202 | Pro Music & Village Electronics | Retail store/shop | Lucas | Sylvania |
| LUC0435302 | Accents & Antiques | Retail store/shop | Lucas | Sylvania |
| LUC0435402 | Irv's Auto Parts | Market | Lucas | Sylvania |
| LUC0435502 | Irv's Auto Parts | Mill/Processing /Manufacturing | Lucas | Sylvania |
| LUC0435602 | Bel-Main Upholstering | Retail store/shop | Lucas | Sylvania |
| LUC0435702 | Monasmith State Farm Ins | Retail store/shop | Lucas | Sylvania |
| LUC0435802 | J&G's Pizza, KOV Electronics, The Paper Cellar | Financial institution | Lucas | Sylvania |
| LUC0435902 | The Liaros Building | Retail store/shop | Lucas | Sylvania |
| LUC0436002 | Maplewood Marketplace | Retail store/shop | Lucas | Sylvania |
| LUC0436102 | Sylvania Heritage Museum | Single Dwelling | Lucas | Sylvania |

| Table 7. List of OHI Listed Structural Resources | | | | |
|---|-----------------------------------|--------------------------------|---------------|---------------------|
| OHI Number | Present Name | Historic Use | County | Municipality |
| LUC0435002 | Chandler Building, The Apple Tree | Retail store/shop | Lucas | Sylvania |
| LUC0435102 | Sylvan Studio | Retail store/shop | Lucas | Sylvania |
| LUC0436402 | Kermit Apt 's | Single Dwelling | Lucas | Sylvania |
| LUC0436502 | Keith's Hair Design | Single Dwelling | Lucas | Sylvania |
| LUC0436602 | Geiger Property | Single Dwelling | Lucas | Sylvania |
| LUC0432802 | Lawrence L Watkins Property | Single Dwelling | Lucas | Sylvania |
| LUC0432902 | Gindy Residence | Single Dwelling | Lucas | Sylvania |
| LUC0434102 | Packard House | Single Dwelling | Lucas | Sylvania |
| LUC0434202 | The Lathrop House | Single Dwelling | Lucas | Sylvania |
| LUC0434302 | Eley House | Single Dwelling | Lucas | Sylvania |
| LUC0434402 | Bush House | Single Dwelling | Lucas | Sylvania |
| LUC0434502 | Berkley & Mary H Bush House | Single Dwelling | Lucas | Sylvania |
| LUC0434702 | Country House | Retail store/shop | Lucas | Sylvania |
| LUC0149102 | Conrail Bridge 307.16 (Old Road) | Rail Related | Lucas | Sylvania |
| LUC0436202 | Garden Delights Gift Shop/Store | Single Dwelling | Lucas | Sylvania |
| LUC0436302 | Cross Stitch Heaven | Single Dwelling | Lucas | Sylvania |
| LUC0437802 | Sylvania Professional Building | Mill/Processing /Manufacturing | Lucas | Sylvania |
| LUC0437902 | Bedee House | Single Dwelling | Lucas | Sylvania |
| LUC0438002 | Chany House | Single Dwelling | Lucas | Sylvania |
| LUC0438102 | Riling House | Single Dwelling | Lucas | Sylvania |
| LUC0438202 | Smith House | Single Dwelling | Lucas | Sylvania |

| Table 7. List of OHI Listed Structural Resources | | | | |
|---|---------------------|---------------------|---------------|---------------------|
| OHI Number | Present Name | Historic Use | County | Municipality |
| LUC0157202 | Post Office | Post Office | Lucas | Sylvania |

Table 8. List of OGS cemeteries

| OGS ID | Name | County | Location |
|---------------|-------------------------|---------------|-----------------|
| 7061 | Ravine | Lucas | Confident |
| 7062 | Saint Joseph’s Catholic | Lucas | Confident |
| 7063 | Toledo Memorial Park | Lucas | Confident |

The closest NRHP eligible site is located approximately 0.4 miles away, the only OAI listed site is located approximately 0.5 miles away, and the closest OHI listed site is located approximately 0.3 miles away from the Project area. Due to the distance away from the Project area, and the Project scope, no impacts to the NRHP eligible, OAI listed, and OHI listed sites are anticipated.

The closest OGS cemetery, Toledo Memorial Park Cemetery, is located adjacent to the Project area. All construction activities will be located south of the stone wall separating the cemetery property from the public right-of-way. Therefore, no impacts are anticipated to this cemetery.

4906-6-05 (B)(10)(d): Local, State, and Federal Requirements

Table 9 shows the list of government agency requirements and the filing status at the time of filing.

Table 9. List of Government Agency Requirements to be Secured Prior to Construction

| Agency | Permit Requirement | Status |
|------------------|---------------------------|---------------|
| City of Sylvania | Traffic Permit | Will be Filed |

4906-6-05 (B)(10)(e): Endangered, Threatened, and Rare Species Investigation

The Project area is urban and maintained. All work will be limited to public right-of-way and the accompanying pavement and road shoulder area. No streams and wetlands are present within the Project limits, and no tree clearing is required. As such, the structure replacement is not anticipated to adversely affect any protected species or sensitive habitat.

4906-6-05 (B)(10)(f): Areas of Ecological Concern

The Project area is urban and maintained. All work will be limited to public right-of-way and the accompanying pavement and road shoulder area. No streams and wetlands are present within the Project limits, and no tree clearing is required. As such, the structure replacement is not anticipated to adversely affect any sensitive ecological resources.

Based on a desktop review of the surrounding area using Google Earth, the Harroun Community Park is located approximately 0.11 miles from the Project Area. Due to the distance from the Project area, and the Project scope, no impacts are anticipated to this park.

ATSI conducted a wetland and stream assessment of the Project area. The investigation focused on an approximately 0.25-acre study area around the proposed Project centerline, access roads, and additional workspace areas. No streams or wetlands are present within the Project limits. A copy of the assessment is provided in Exhibit 6.

The Project work limits do not encroach on any regulated flood plains based on a review of online FEMA Flood Insurance Rate Mapping.

4906-6-05(B)(10)(g): Other Information

Construction and operation of the proposed Project will be in accordance with the requirements specified in the latest revision of the National Electric Safety Code as

adopted by the PUCO and will meet all applicable safety standards established by the Occupational Safety and Health Administration.

No other or unusual conditions are expected that will result in significant environmental, social, health or safety impacts.

4906-6-07: Documentation of Construction Notice Transmittal and Availability for Public Review

This Construction Notice is being provided concurrently with its docketing with the Board to the following officials in City of Sylvania, Lucas County, Ohio.

Lucas County

Commissioner Pete Gerken
President
Lucas County Commissioners
One Government Center, Suite 800
Toledo, OH 43604

Commissioner Carol Contrada
Lucas County Commissioners
One Government Center, Suite 800
Toledo, OH 43604

Mr. Keith G. Earley P.E., P.S.
Lucas County Engineer
1049 S. McCord Road
Holland, OH 43528

Mr. Douglas J. Parrish, P.E., S.I.
Lucas County Planning Department
1049 S. McCord Road
Holland, OH 43528

Commissioner Tina S. Wozniak
Lucas County Commissioners
One Government Center, Suite 800
Toledo, OH 43604

Ms. Laura Lloyd-Jenkins
Lucas County Administrator
One Government Center, Suite 800
Toledo, OH 43604

Mr. Bob Neubert,
Lucas County Floodplain Manager
1049 S. McCord Road
Holland, OH 43528

City of Sylvania

Mr. Craig A. Stough. Mayor
City of Sylvania
6730 Monroe St., Suite 203
Sylvania OH 43560

Ms. Mary J. Westphal, President
City Council
6730 Monroe St.
Sylvania, OH 43560

Mr. Joe Shaw, Deputy Director
Engineering Division
6730 Monroe St., Suite 101
Sylvania OH 43560

Mr. Brain McCann, Vice Chair
Municipal Planning Commission
6730 Monroe Street
Sylvania, OH 43560

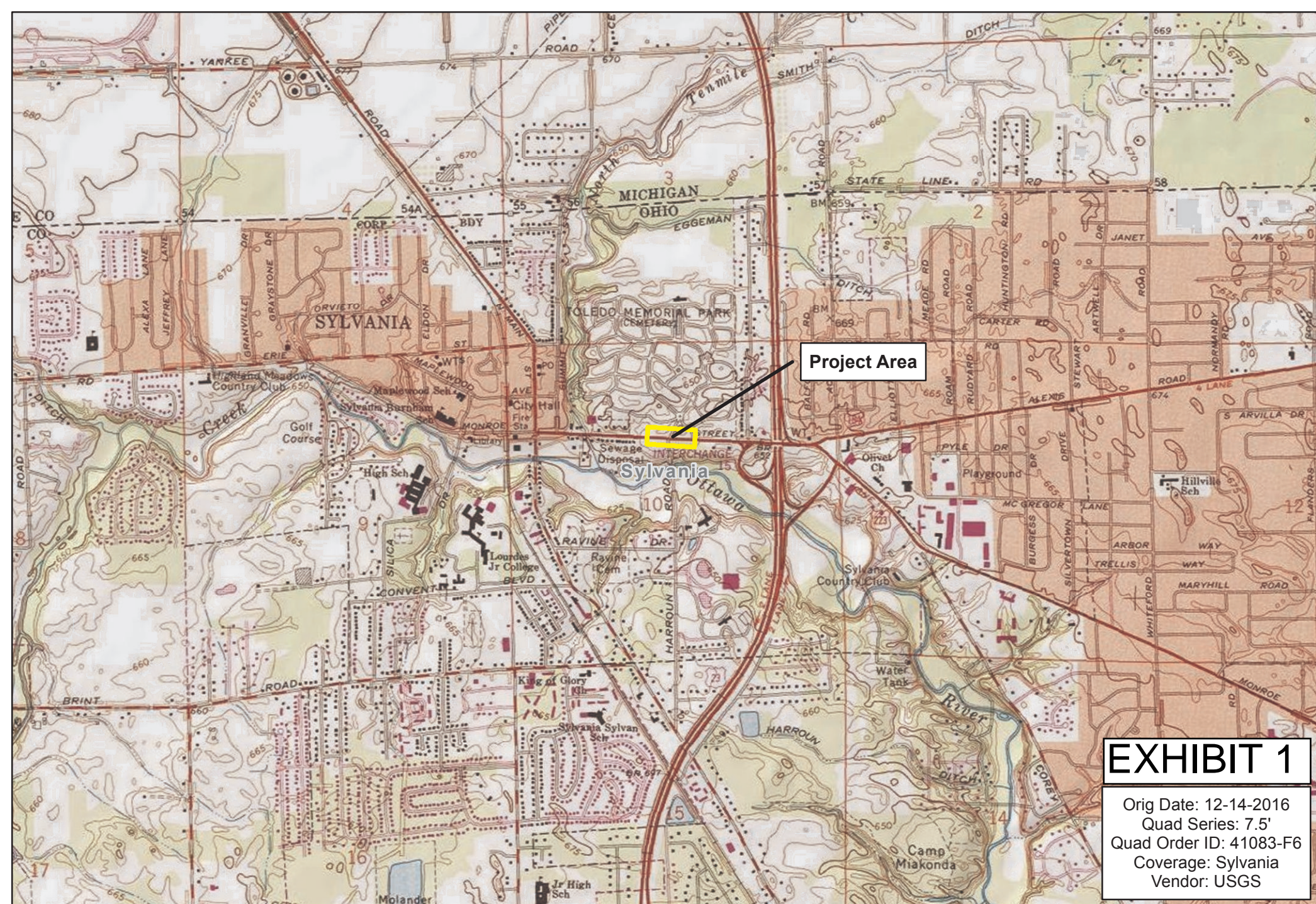
Mr. Tom Lindsley, Chair
Municipal Planning Commission
6730 Monroe Street
Sylvania, OH 43560

Library

Ms. Susan Schafer, Manager
Sylvania Branch
Toledo-Lucas County Library
6749 Monroe Street
Sylvania, OH 43560

Copies of the transmittal letters to these officials have been included with the transmittal letter submitting this Construction Notice to the Board, and are being provided to meet the requirement of OAC Rule 4906-6-07 (B) to provide the Board with proof of compliance with the notice requirement to local officials in OAC Rule 4906-6-07 (A)(1) and to libraries in OAC Rule 4906-6-07 (A)(2).


Information is posted on www.firstenergycorp.com/about/transmission_project/ohio.html on how to request an electronic or paper copy of this Construction Notice. The link to website is being provided to meet the requirement of OAC Rule 4906-6-07 (B) and to provide the Board with proof of compliance with the notice requirements in OAC Rule 4906-6-07 (A)(3).



Project Area

EXHIBIT 1

Orig Date: 12-14-2016
 Quad Series: 7.5'
 Quad Order ID: 41083-F6
 Coverage: Sylvania
 Vendor: USGS

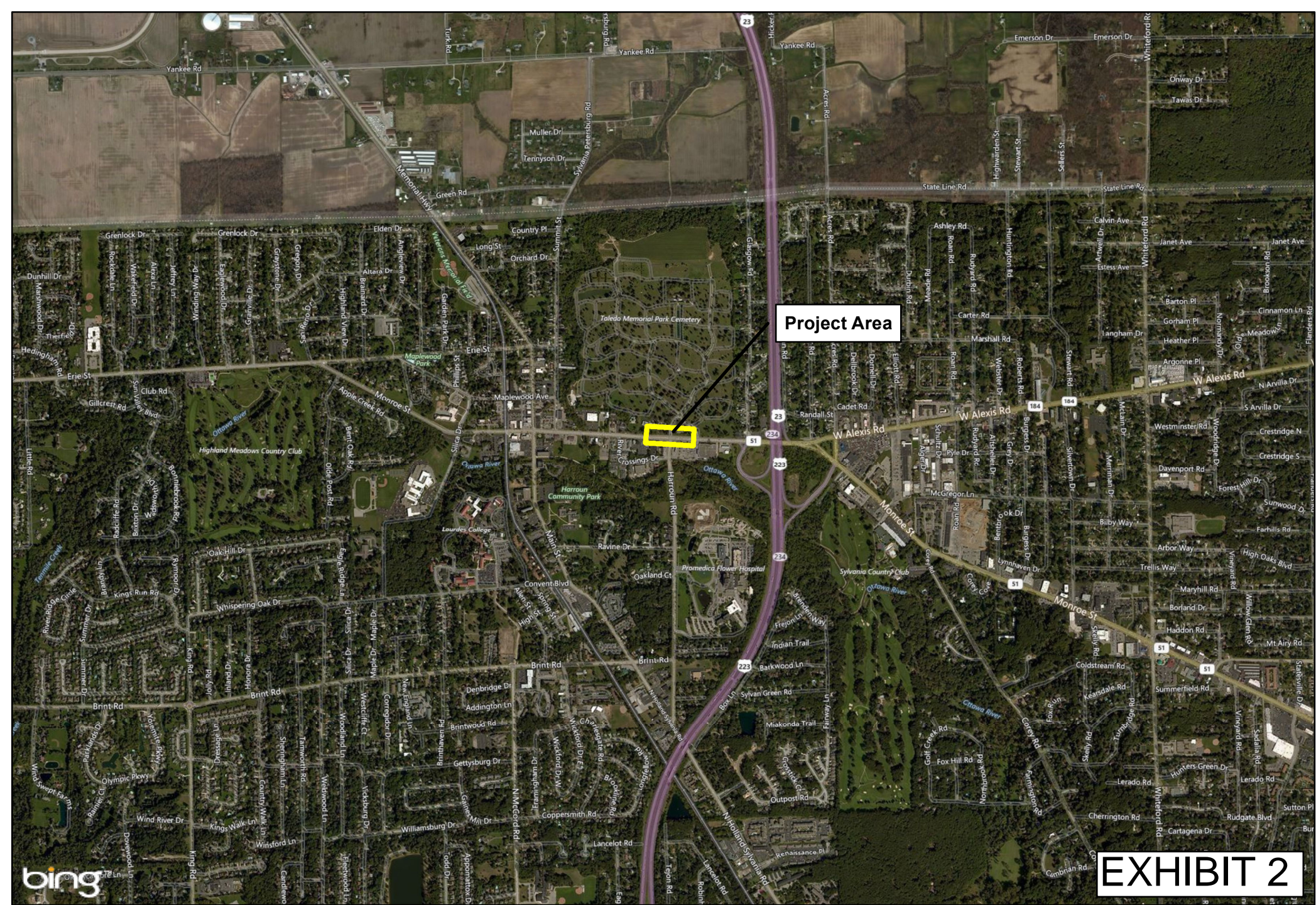
Legend
 Project Area



Allen Junction-Westgate 138kV Transmission Line Switch Replacement Project



Map Created On: 6/22/2017



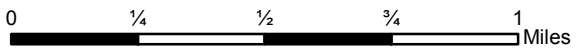
Project Area

EXHIBIT 2

Legend
 Project Area



**Allen Junction-Westgate 138kV Transmission
 Line Switch Replacement Project**



Map Created On: 6/22/2017

PROPOSED SWITCH
STRUCTURE 13203P

EXISTING SWITCH
STRUCTURE 13203P
TO BE REMOVED

TOLEDO MEMORIAL
CEMETERY DRIVE

TOLEDO MEMORIAL CEMETERY DRIVE

ALLEN JUNCTION-WESTGATE 138 kV

MONROE STREET

FLOWER HOSPITAL TAP 138 kV

HARROUN ROAD

LEGEND

--- EXISTING CONDUCTOR CENTERLINE



EXISTING 1-POLE WOOD STRUCTURE



EXISTING 1-POLE WOOD STRUCTURE TO BE REMOVED



NEW 1-POLE WOOD STRUCTURE

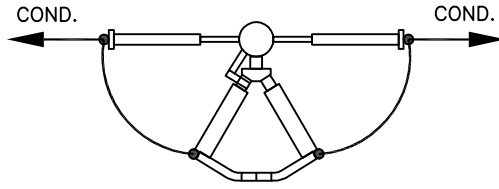
ATSI[®]

American Transmission Systems, Inc.
a subsidiary of FirstEnergy Corp.

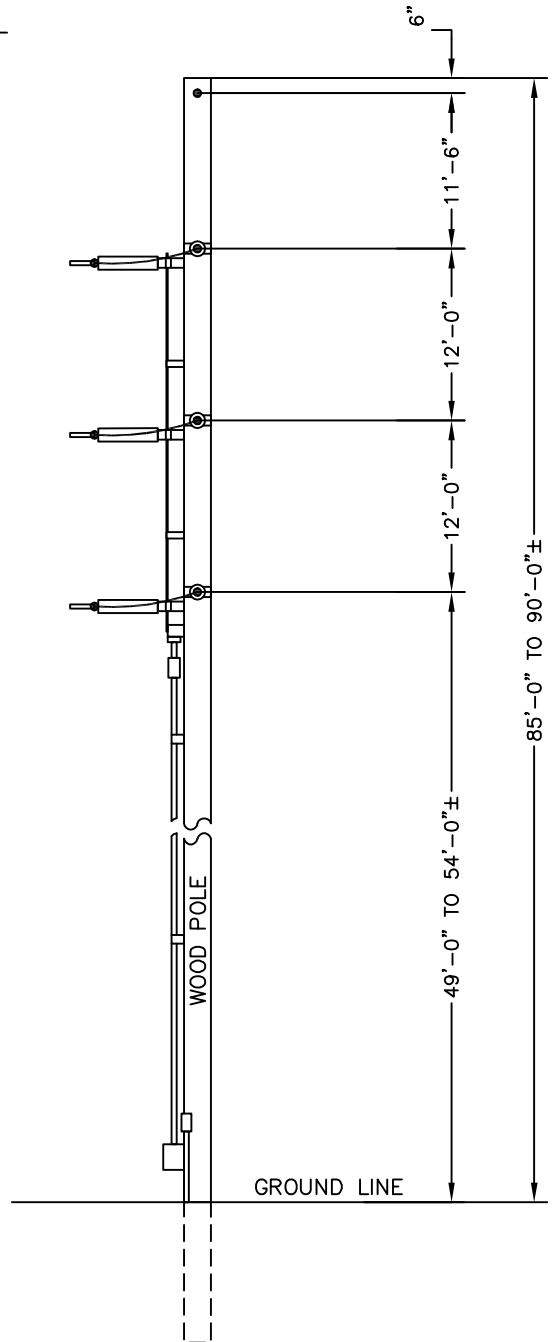
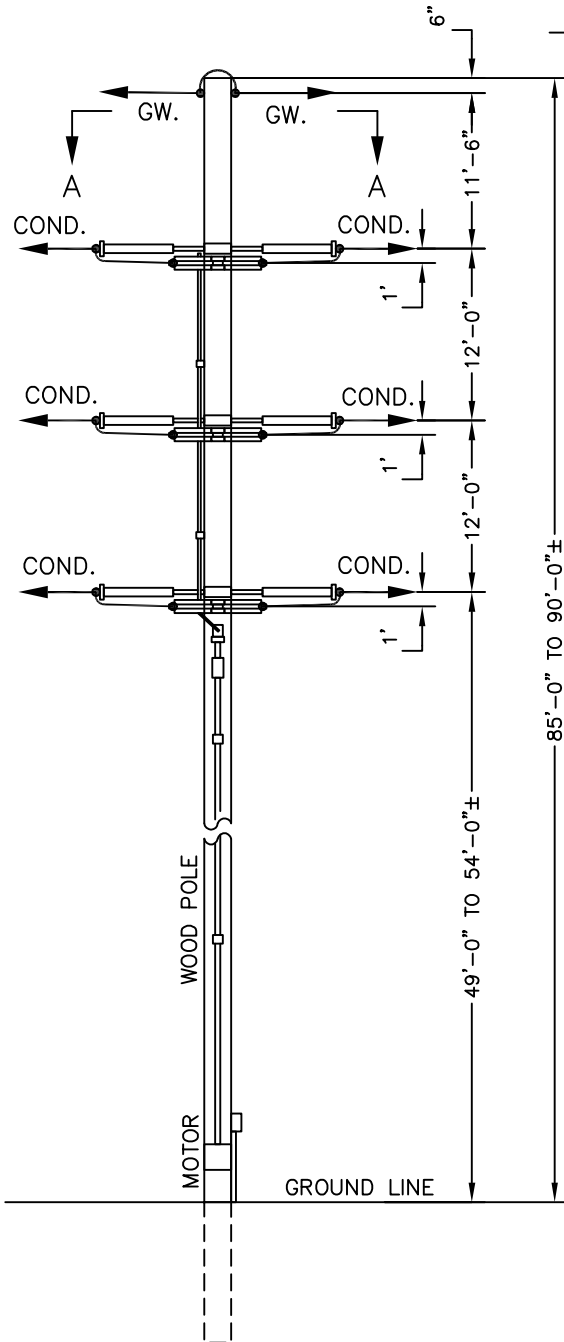
ALLEN JUNCTION-WESTGATE 138 kV
TRANSMISSION LINE SWITCH
REPLACEMENT PROJECT

GENERAL LAYOUT

EXHIBIT 3



SECTION A-A



**NOT TO SCALE



ALLEN JUNCTION-WESTGATE 138 kV
TRANSMISSION LINE SWITCH
REPLACEMENT PROJECT

SINGLE CIRCUIT, WOOD POLE, SWITCH
STRUCTURE

EXHIBIT 4

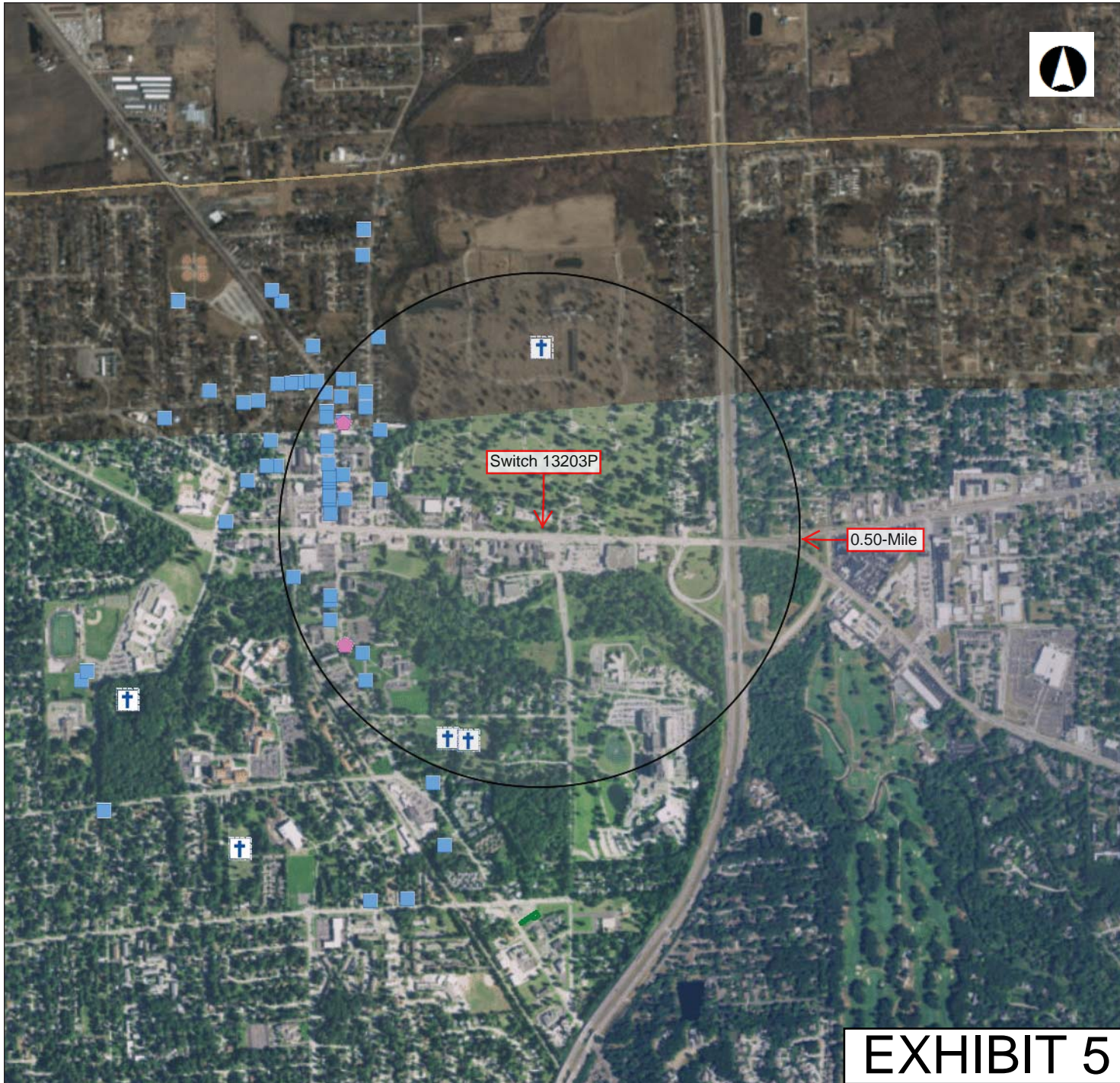
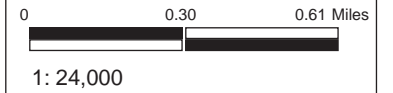


EXHIBIT 5

Legend

- NR Listings
 - Listed
 - National Historic Landmark
 - ✕ Delisted
 - ◆ NR Determinations of Eligibi
 - Historic Structures
 - Historic Bridges
 - Historic Tax Credit Projects
- OGS Cemeteries
 - + Confident
 - + Not Confident
- Dams
- UTM Zone Split
- NR Boundaries
- OAI Site Boundaries
- Phase1
- Phase2
- Phase3



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This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Datum: [Datum]
 Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere



**Allen Junction–Westgate 138 kV Transmission Line Switch Replacement
Project Case Number 17-1673-EL-BNR**

Date: August 9, 2017

**Exhibit 6
Wetland and Waters Assessment**

Date: July 6, 2017

TO: William R. Beutler – Engineer III
Energy Delivery Transmission and Substation Design
FROM: Auggie Ruggiero – Staff Scientist
Environmental Energy Delivery Support

SUBJECT:
Wetland and Waters Assessment
Allen Junction–Westgate 138 kV Transmission Line Switch Replacement Project

INTRODUCTION

On June 28, 2017, an area along an existing electric transmission line located adjacent to Monroe Street in Sylvania, Ohio was investigated via remote sensing for the potential presence of wetland characteristics and/or evidence of other areas deemed “waters of the U.S.” Areas that appear to exhibit wetland hydrology and a dominance of hydrophytic vegetation via remote imaging and are mapped with soils determined to be hydric by the Natural Resources Conservation Service (NRCS) were considered a potential wetland. Areas that display these three characteristics in the field are subject to regulations pursuant to Section 404 of the Clean Water Act or Ohio’s isolated wetland laws. Other areas deemed “waters of the U.S.” include streams or bodies of open water which may also be subject to Section 404 regulations.

METHODS

The background resources investigation included an interpretation of street level photography, the NRCS Web Soil Survey, the U.S. Fish and Wildlife Service’s online National Wetland Inventory (NWI) wetland mapper, and aerial photography. These resources were reviewed by a qualified wetland professional to determine the probability of wetland characteristics within the project area.

The project area was also screened via remote sensing for the presence of areas that meet the criteria for “other waters of the U.S.” These areas consist of ephemeral, intermittent, and perennial streams, as well as open water habitats such as ponds. Resources included available

topographic mapping published by the U.S. Geologic Survey (USGS) and an interpretation of aerial photography.

INVESTIGATION/RESULTS

The Project Area is located along a mostly commercially developed road. Vegetation within the vicinity of the Project Area appears to consist entirely of mowed herbaceous vegetation based on an interpretation of street level photography. According to the NWI map, no wetlands are mapped within the Project Area. According to the NRCS web soil survey, Ottokee fine sand, 0 to 6 percent slopes (OtB) is the only mapped soil within the Project Area. OtB is considered to be a non-hydric soil by the NRCS. The USGS topographic map and available aerial photography do not illustrate the presence of any streams or wetland areas within the Project Area. In conclusion, the potential for the presence of any areas subject to regulations pursuant to Section 404 of the Clean Water Act or Ohio isolated wetland laws within the Project Area is very low to none.

REFERENCES

U.S. Army Corps of Engineers. 2011. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0)*, ed. J. S. Wakeley, R. W. Lichvar, C. V. Noble, and J. F. Berkowitz. ERDC/EL TR-12-1. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

U.S. Department of Agriculture. (2013). Web Soil Survey 3.0. Retrieved from U.S. Department of Agriculture, Natural Resources Conservation Service:

<http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

U.S. Fish and Wildlife Service. (2016). National Wetlands Inventory Online Mapper v 2.0. Retrieved from U.S. Department of the Interior, U.S. Fish and Wildlife Service:

<https://www.fws.gov/wetlands/data/mapper.HTML>

U.S. Geological Service. (1994). Topographical Quadrangle Maps (7.5-minute series). U.S. Geological Survey.

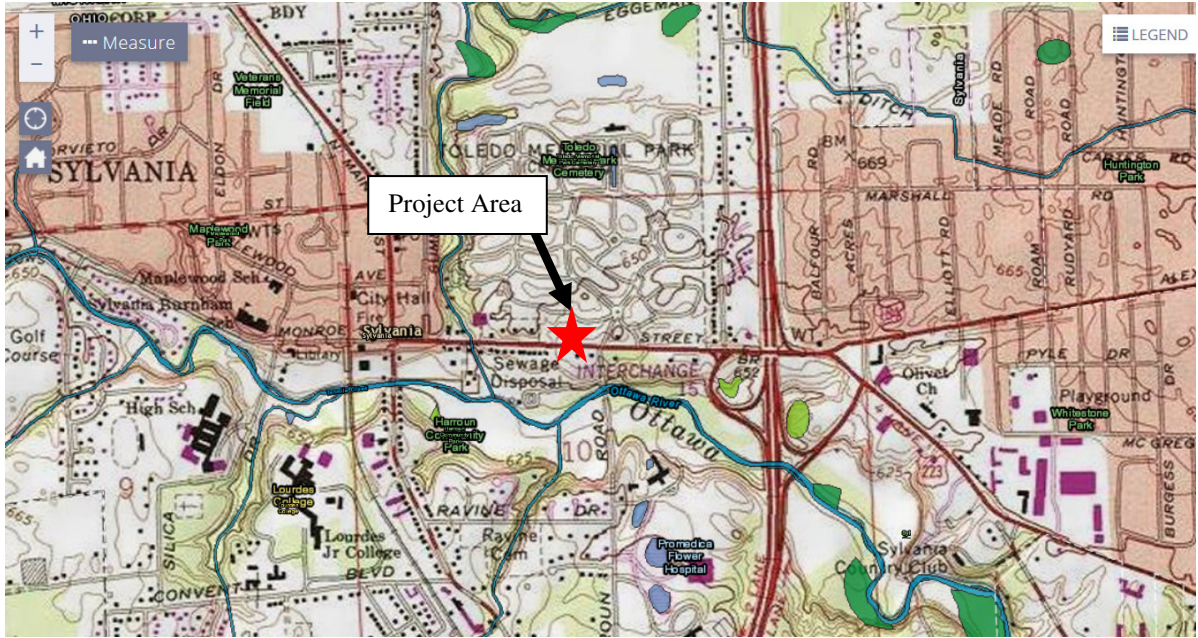


Figure 1-USGS Topographic map and NWI of the Project Area vicinity.

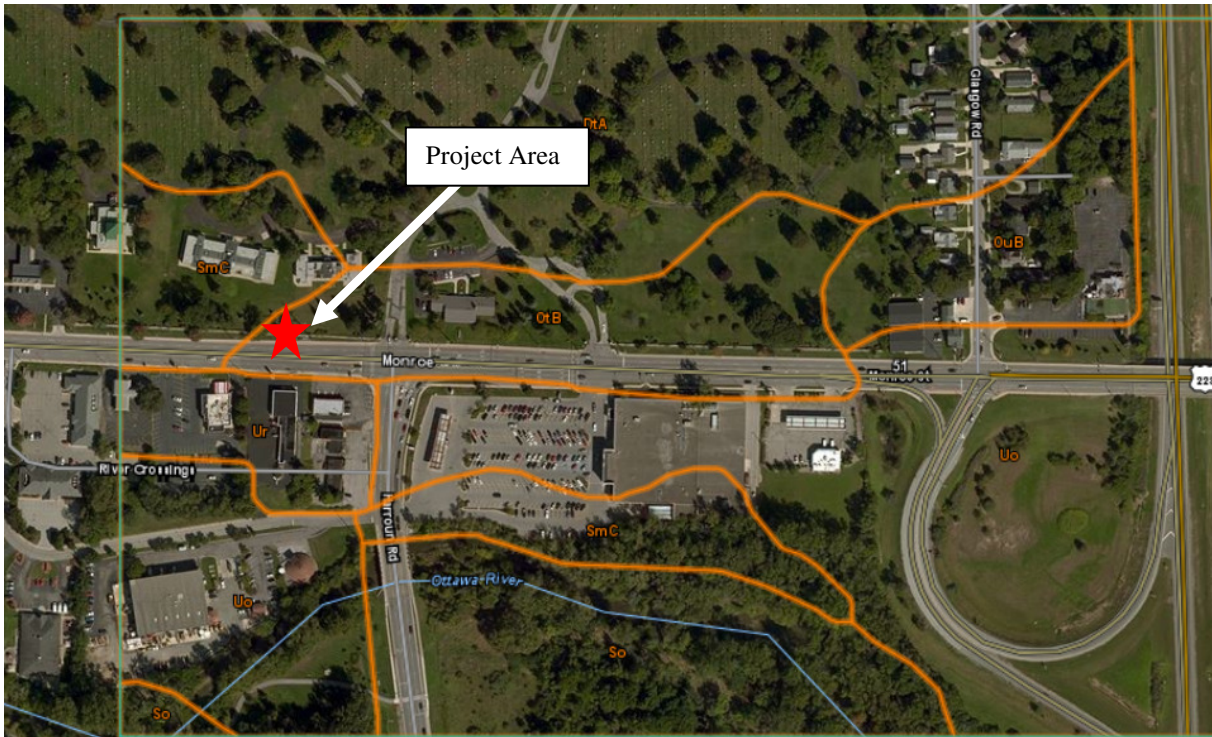


Figure 2-NRCS Soil Survey and aerial photograph of the Project Area vicinity.



Photo 1-Street level photography showing approximate location of Project Area.