AMERICAN TRANSMISSION SYSTEMS, INCORPORATED
A FIRSTENERGY COMPANY

CONSTRUCTION NOTICE

138 kV STRUCTURE ADDITIONS TO GM POWERTRAIN
TRANSMISSION LINES PROJECT

OPSB CASE NO.: 17-1241-EL-BNR

May 19, 2017
CONSTRUCTION NOTICE
138 kV STRUCTURE ADDITIONS TO GM POWERTRAIN TRANSMISSION LINES PROJECT

The following information is being provided in accordance with 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: 138 kV Structure Additions to GM Powertrain Transmission Lines Project (“Project”).

2017 LTFR Reference: This Project is not included in FirstEnergy Corp. 2017 Long Term Forecast Report submitted to the Public Utility Commission of Ohio (“PUCO”) in Case Number 15-0913-EL-FOR.

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

American Transmission Systems, Incorporated (“ATSI”), a FirstEnergy company, proposes to replace two (2) existing wood pole tangent structures with two (2) new single circuit wood pole 3-way deadeend structures on the Bayshore-GM Powertrain 138 kV Transmission Line and GM Powertrain-Jackman 138 kV Transmission Line leading to the customer owned GM Powertrain Substation. One (1) temporary single circuit wood pole structure will also be installed for a temporary 138 kV transmission connection approximately 60 – 90 feet in length to a mobile transformer that will be installed at the GM Powertrain Substation during this Project’s construction.

The Project will be completed in several phases. First, the Bayshore-GM Powertrain 138 kV Transmission Line Structure 9A will be replaced with a wood pole 3-way deadeend
structure (See Exhibit 4) and the temporary structure (See Exhibit 5) will also be installed. Then the Bayshore-GM Powertrain 138 kV Transmission Line will be placed temporarily back in service while the GM Powertrain-Jackman 138 kV Transmission Line Structure 8B is replaced with a wood pole 3-way deadend structure (See Exhibit 4). Both permanent structures will be replaced at approximately the same location on the existing centerlines of each transmission line.

A temporary tap line from Structure 9A to the temporary structure and then to the mobile transformer will be installed and energized while the first transformer at GM Powertrain Substation is replaced. Then the temporary tap line will be attached to Structure 8B while the second transformer at GM Powertrain Substation is replaced. The last phase will see the removal of the temporary tap and structure and both transmission lines will be reenergized on the existing centerlines.

The general location of the proposed Project is shown in Exhibits 1 and 2. Exhibit 1 is a location map excerpt of the United States Geologic Survey, Lucas County, Ohio, Monroe County, MI, Quad Maps ID number 41083-F5. Exhibit 2 provides a partial copy of aerial imagery, Digital Orthophoto Quarter Quads (“DOQQ”). The general layout of the proposed Project is shown in Exhibit 3. The Project is located in an existing transmission corridor in the City of Toledo, in Lucas County, Ohio. The new transmission structures will be owned and operated by ATSI.

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 Items 1(a), and (2)(a) of the Application Requirement Matrix for Electric Power Transmission Lines, Appendix A of OAC Rule 4906-1-01. These items state:
(1) New construction, extension, or relocation of single or multiple circuit electric power transmission line(s), or upgrading existing transmission or distribution line(s) for operation at a higher transmission voltage, as follows:

(a) Line(s) not greater than 0.2 miles in length.

(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 transmission 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 (1)(a) as it involves the addition of a temporary transmission line of approximately 60 – 90 feet in length, which is a distance less than 0.2 miles in length. The proposed Project is within the requirements of Item (2)(a) as it involves the replacement of two (2) structures with a different type of structure.

4906-6-05 (B)(2): Need for the Project
The proposed Project is necessary to accommodate replacement of the main transformer at GM Powertrain Substation. Both transformers at GM Powertrain Substation need to be upgraded due to an increase in the load capacity at their facility. While each transformer is being upgraded, GM has requested service to be provided through a temporary tap on a mobile transformer.

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) 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 Bayshore-GM Powertrain and Jackman-GM Powertrain 138 kV Transmission Lines. The Project area is located approximately 3 1/8 inches (11” x 17” printed version) from the left edge of the map and 1 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 through 3.

4906-6-05 (B)(4): Alternatives Considered
The general area of the Project was carefully reviewed to identify potential routes for the Project that are constructible, minimize potential impacts to the extent practical, and meet the needs of the Project. The Project is located within existing right-of-way and involves replacement of two (2) existing structures and the addition of one (1) temporary structure. The only alternatives considered for this Project was the location of the one (1) temporary structure, which is needed to connect to the mobile transformer. Several locations for the mobile transformer and temporary structure where proposed but none except the proposed Project was constructible.

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.

4906-11-02 (B)(6): Construction Schedule
Construction on the project is expected to begin as early as June 12, 2017 and be completed by December 31, 2017.
Exhibits 1 and 2 depict the general location of the Project. Exhibit 1 provides a partial copy of the United States Geological Survey, Portage County, Ohio quadrangle map (Quad Order ID 41083-F5). Exhibit 2 provides a partial copy of aerial imagery, DOQQ.

The Project will be located on existing right-of-way owned by ATSI. No new easements or right-of-way will need to be acquired. The Project is located on two (2) different parcels representing two (2) unique property owners. The property information for this Project is listed below in Table 1.

Table 1. List of Affected Property Owners

<table>
<thead>
<tr>
<th>Parcel Number</th>
<th>Property Owner</th>
<th>Property Address</th>
<th>Easement Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2204304</td>
<td>General Motors LLC A Delaware LLC</td>
<td>300 Renaissance Center Mail Code 482-C19-GRE, Detroit, MI 48265-2000</td>
<td>Previously Obtained</td>
</tr>
<tr>
<td>2204304</td>
<td>Toledo-Lucas County Port Authority</td>
<td>P.O. Box 460169 Houston, TX 77056</td>
<td>Previously Obtained</td>
</tr>
</tbody>
</table>

The Transmission Line will have the following characteristics:

- Voltage: 138 kV
- Conductors: Permanent – 954 kcmil #37 AAC
  Temporary – 336 kcmil 26/7 ACRS
- Static Wire: 7#10 Alumoweld
- Insulators: Polymer
- ROW Width: 120 feet
- Structure Types: Exhibit 4: Single circuit wood pole 3-way deadend structures. Two (2) structures are needed.
Exhibit 5: Temporary single circuit wood pole structure. One (1) structure is needed.

4906-6-05 (B)(9)(b): Calculated Electric and Magnetic Field
The closest occupied residence or institution is approximately 1200 feet from the transmission line centerline. As these distances are greater than the 100 feet, estimated Electric and Magnetic Field (“EMF”) strengths have not been calculated.

4906-6-05 (B)(9)(c): Estimated Cost
The estimated capital cost for the proposed Project is approximately: $353,434.

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

4906-6-05 (B)(10)(a): Land Uses
The Project is located in the City of Toledo in Lucas County, Ohio. The main land use in the Project area is industrial, with some commercial and residential use within one mile from the Project location. As the proposed Project involves replacement and addition of transmission line structures within the existing right-of-way, no changes or impacts to the current land use are anticipated.

4906-6-05 (B)(10)(b): Agricultural Land
Agricultural land use does not exist within the Project limits.

4906-6-05 (B)(10)(c): Archaeological or Cultural Resources
A search of Ohio Historic Preservation Office (“OHPO”) National Register of Historic Places (“NRHP”) online database was conducted to identify the existence of any significant archeological or cultural resource sites within 0.5 miles of the Project Area. A map of the results of the search is shown in Exhibit 6. The OHPO database includes all Ohio listings on the 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 there are no Listed NRHP properties and no OHPO eligible properties identified within 0.5 miles of the Project’s potential disturbance area.

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. The results of the search indicate that no OAI listed archaeological resources or OHI listed structural resources were identified within 0.5 miles of the Project potential disturbance area.

One (1) previous archaeological resource survey was conducted within 0.5 miles of the Project Area. The previous cultural resource survey is identified in Table 2.

**Table 2. Previous Cultural Resource Survey**

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>County</th>
<th>Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1986</td>
<td>Phase I and II archaeological survey of proposed excess property at Naval Weapons Industrial Reserve Plant, Toledo, Ohio</td>
<td>Lucas</td>
<td>City of Toledo</td>
</tr>
</tbody>
</table>

There are no OAI sites located within 0.5 miles of the Project’s potential disturbance area.

As the proposed Project involves replacing two existing transmission structures with in approximately the same respective locations and installing one temporary structure in an industrial site, no changes or impacts to archaeological and cultural resources are anticipated.

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

Table 3 shows the list of government agency requirements and the filing status at the time of filing.
Table 3. List of Government Agency Requirements to be Secured Prior to Construction

<table>
<thead>
<tr>
<th>Agency</th>
<th>Permit Requirement</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ohio EPA</td>
<td>General NPDES Construction Storm Water Permit</td>
<td>Will be Filed</td>
</tr>
</tbody>
</table>

4906-6-05 (B)(10)(e): Endangered, Threatened, and Rare Species Investigation
As part of its investigation, ATSI submitted a request to the Ohio Department of Natural Resources-Division of Wildlife (“ODNR”) on March 7, 2017, to research the presence of any endangered, threatened, or rare species within one (1) mile of the Project area. A copy of ODNR’s Environmental Review response is included as Exhibit 7. The ODNR’s response on March 13, 2017, indicated a record of one (1) threatened state listed species within one mile of the identified Project area. The Alpine Rush (*Juncus alpinoarticulatos*) is located approximately 0.5 miles away from the Project. Due to the distance away from the Project area, and the industrial setting, there are no anticipated impacts to the Alpine Rush.

A request was submitted to the US Fish and Wildlife Service (“USFWS”) for an ecological review on March 7, 2017, to research the presence of any endangered, threatened, or rear species within one (1) mile of the Project area. A copy of USFWS’s Ecological Review response is included as Exhibit 8. The USFWS’s response on March 20, 2017 indicated that based on the Project type and limited impacts, they do not anticipate any impacts to federally protected species.

4906-6-05 (B)(10)(f): Areas of Ecological Concern
As part of the investigation, ATSI submitted a request to the ODNR on March 7, 2017, to research the presence of any unique ecological sites, geological features, animal assemblages, scenic rivers, state wildlife areas, nature preserves, parks or forest, national wildlife refuges, or other protected natural areas within one (1) mile of the Project area...
using ODNR’s Natural Heritage Database. A copy of the ODNR’s Environmental Review response is included as Exhibit 7.

The ODNR’s response on March 13, 2017 indicated that there are no records of any areas of ecological concern within one (1) mile of the proposed Project area.

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 Electrical 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 to the following officials in the City of Toledo and Lucas County, Ohio.

**Lucas County**

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

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

Commissioner Tina Skeldon-Wozniak  
Lucas County Commissioners  
1 Government Center, Suite 800  
Toledo, OH 43604

Ms. Laura Lloyd-Jenkins  
Lucas County Administrator  
1 Government Center, Suite 800  
Toledo, OH 43604
Copies of the transmittal letters to these officials have been included with this Construction Notice application to the Ohio Power Siting Board, and are being provided to meet the requirement of OAC Rule 4906-6-07 (B) as proof of compliance with the notice requirement to local officials in OAC Rule 4906-6-07 (A)(1) and to libraries at 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 the website is being provided to meet the requirement of OAC 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).
**NOT TO SCALE**

138 kV STRUCTURE ADDITIONS TO GM POWERTRAIN TRANSMISSION LINES PROJECT

SINGLE CIRCUIT, WOOD POLE, 3-WAY DEADEND TAP STRUCTURE

EXHIBIT 4
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.
13 March 2017

Nataliya Bryksenkova
First Energy
76 S. Main St.
Akron, OH 44308

Dear Ms. Bryksenkova,

I have reviewed the Natural Heritage Database for the Jackman-GM Powertrain 138 kV Line Temporary Tap project area, including a one mile radius, in Toledo, Lucas County, Ohio. We have one record within the project area and one mile radius. The location for the Alpine Rush (*Juncus alpinoarticulatus*), threatened, is shown in red on the attached map.

We are unaware of any unique ecological sites, geologic features, animal assemblages, scenic rivers, state wildlife areas, nature preserves, parks or forests, national wildlife refuges, parks or forests, or other protected natural areas within a one mile radius of the project area.

Our inventory program has not completely surveyed Ohio and relies on information supplied by many individuals and organizations. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. This letter only represents a review of rare species and natural features data within the Ohio Natural Heritage Database. It does not fulfill coordination under the National Environmental Policy Act (NEPA) or the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S. C. 661 et seq.) and does not supersede or replace the regulatory authority of any local, state or federal agency nor relieve the applicant of the obligation to comply with any local, state or federal laws or regulations.

Please contact me at 614-265-6818 if I can be of further assistance.

Sincerely,

Debbie Woischke
Ohio Natural Heritage Program
Dear Ms. Bryksenkova,

We have received your recent correspondence requesting information about the subject proposal. There are no Federal wilderness areas, wildlife refuges or designated critical habitat within the vicinity of the project area.

FEDERALLY LISTED, PROPOSED, AND CANDIDATE SPECIES COMMENTS: Due to the project, type, size, and location, we do not anticipate adverse effects to federally endangered, threatened, proposed, or candidate species. Should the project design change, or during the term of this action, additional information on listed or proposed species or their critical habitat become available, or if new information reveals effects of the action that were not previously considered, consultation with the Service should be initiated to assess any potential impacts.

If you have questions, or if we can be of further assistance in this matter, please contact our office at (614) 416-8993 or ohio@fws.gov.

Sincerely,

Dan Everson
Field Office Supervisor