
Application for Amendment of a Certificate of
Environmental Compatibility and Public Need

Marion Road-Mound Street 138-kV Transmission Line Project

OPSB Case No. 21-1184-EL-BTA



An AEP Company

BOUNDLESS ENERGY™

Submitted to
Ohio Power Siting Board

November 2021

BEFORE THE OHIO POWER SITING BOARD

Application for Amendment to the Marion Road-Mound Street 138-kV Transmission Line
Project

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APPENDIX A

Wetland and Waterbody Delineation Report Addendum
Cultural Resources Coordination Letter

Acronyms and Abbreviations

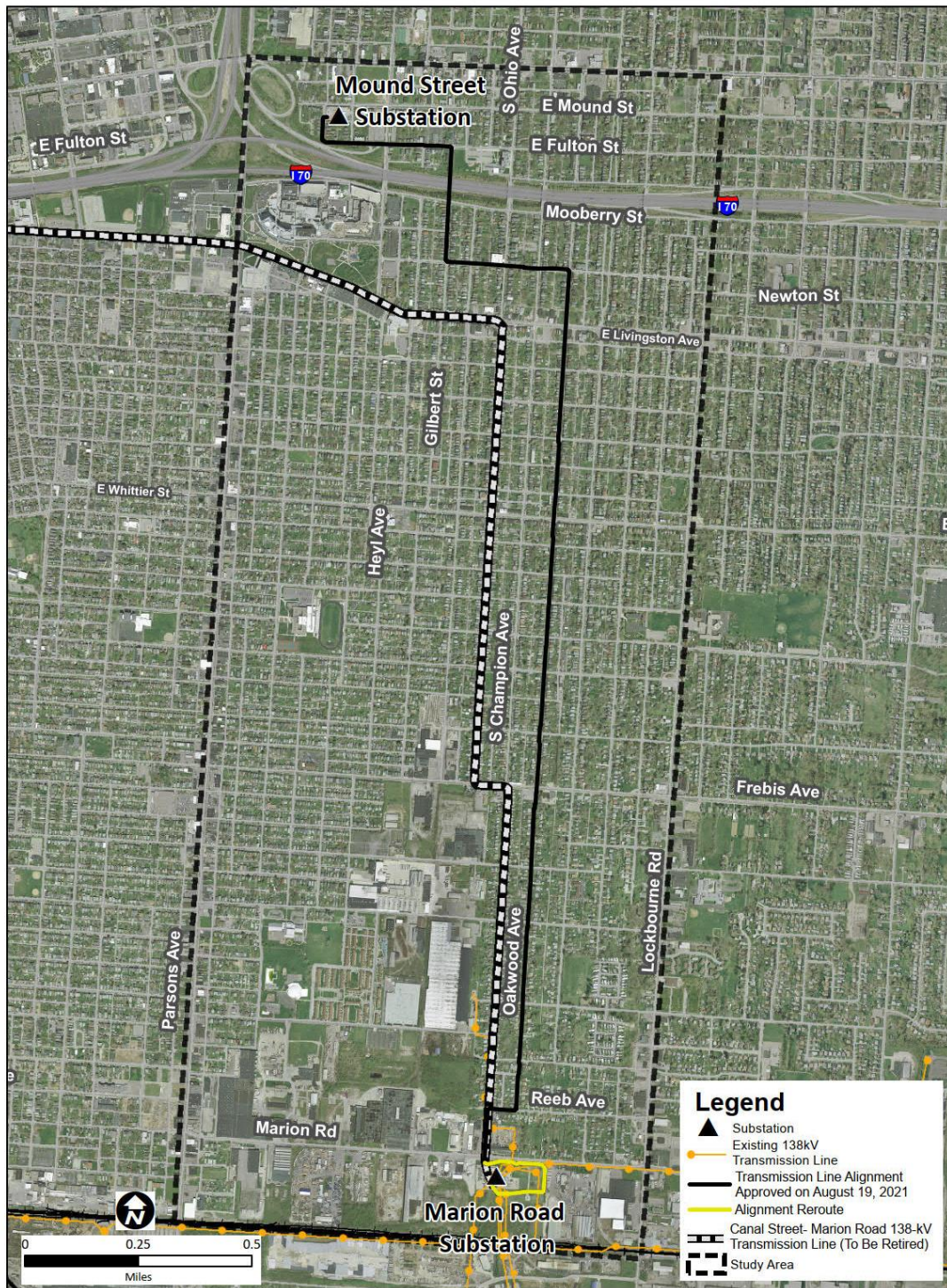
AEP	American Electric Power
AEP Ohio	Ohio Power Company
Company	Ohio Power Company
GIS	geographic information system
I-70	Interstate-70
kV	kilovolt
OHI	Ohio Historic Inventory
OPSB	Ohio Power Siting Board
Project	Marion Road – Mound Street 138-kV Transmission Line Project
ROW	right-of-way

AMENDMENT CHANGE SUMMARY

Ohio Power Company (“AEP Ohio” or “the Company”) submitted a Certificate Application to the Ohio Power Siting Board (OPSB) for the Marion Road-Mound Street 138-kilovolt (kV) Transmission Line Project (“the Project”) on November 23, 2020 in Case Number 20-1306-EL-BTX (the “Application”). Additionally, AEP Ohio submitted an application modification on March 17, 2021 under the same case number. The Application was approved by the OPSB, and a Certificate of Environmental Compatibility and Public Need was issued on August 19, 2021. The purpose of this amendment is to document the changes to the Preferred Route alignment since the approval of the Application.

Since approval of the Application, AEP Ohio has determined that a change to the Preferred Route alignment within AEP Ohio’s Marion Road Substation property is necessary as a result of engineering considerations for the future use of Marion Road Substation. The alignment reroute is designed to accommodate a future substation expansion by routing the Project alignment along the edges of the substation parcel to avert impacts on future expansion plans. AEP Ohio currently does not have detailed plans for the substation expansion but is carrying out planning in order to prevent assets from interfering with the space when a substation expansion becomes necessary. This is the only alignment reroute proposed as part of this amendment. Exhibit 1 provides the location of this alignment reroute relative to the entire Preferred Route.

Exhibit 1: Summary of the Alignment Reroutes to the Preferred Route

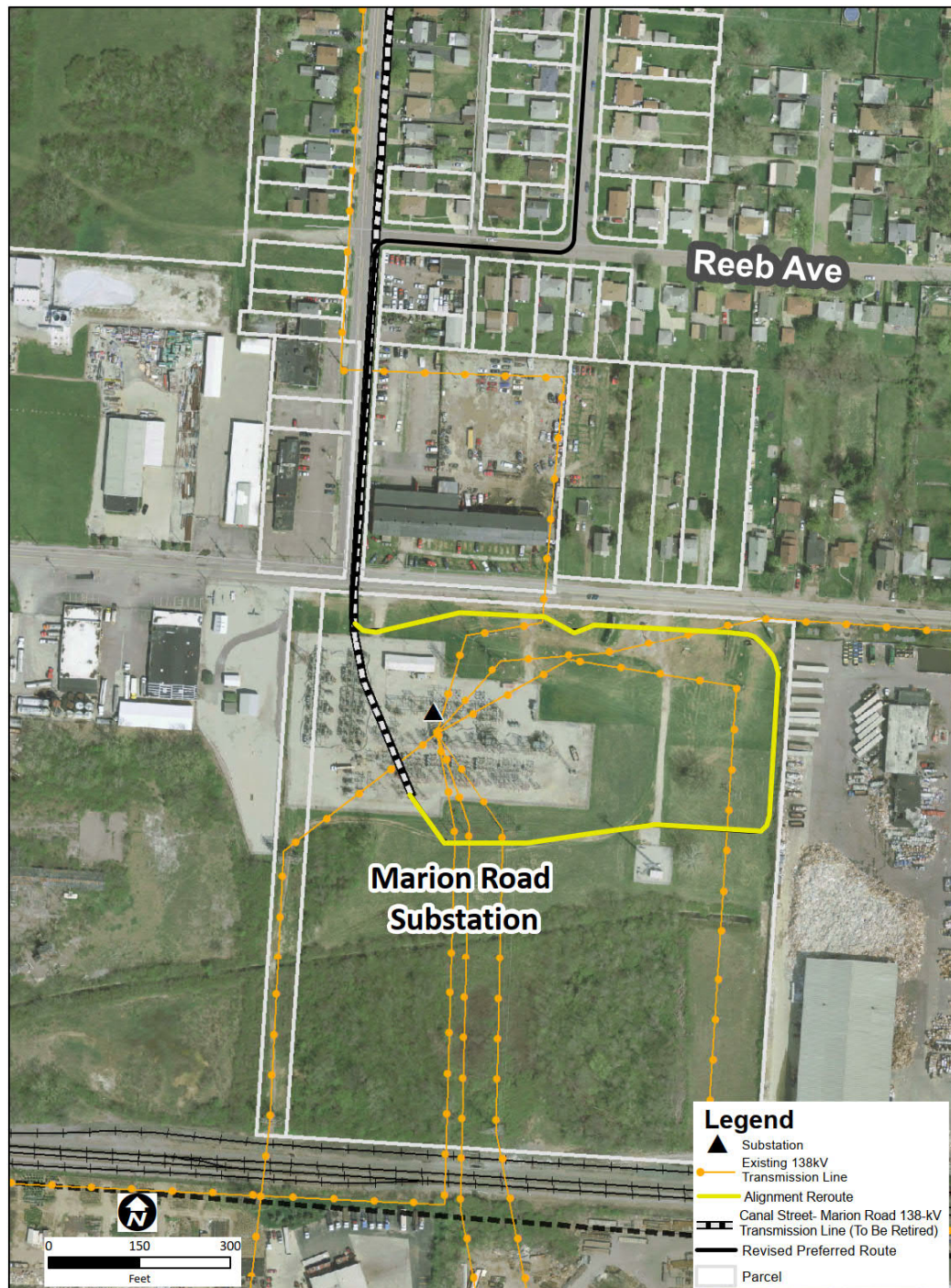


Alignment Reroute

From the intersection of South Champion Avenue and Marion Road, the alignment reroute turns east as it enters the Marion Road Substation property and runs approximately 0.15 mile along the northern edge of the parcel. The alignment then turns south, following the parcel boundary for approximately 0.05 mile. The alignment then turns west as it aligns just south of the existing substation footprint and runs for approximately 0.10 mile before connecting into the Marion Road Substation. The total alignment reroute is approximately 0.30 mile. The total length of the revised Preferred Route is 3.22 miles. The reroute is shown in Exhibit 2.

The reroute is proposed on AEP Ohio property. No new property owners are directly affected as a result of this reroute. Construction activities are to be contained to AEP Ohio property. This reroute will have no additional environmental or cultural resources impacts. The Wetland and Waterbody Delineation Report Addendum and State Historic Preservation Office coordination letter capturing this reroute area is provided as Appendix A. A letter summarizing the results of additional environmental surveys completed for the revised Preferred Route will be directly provided to the OPSB. Specific changes to other portions of the Application are provided within the amended OPSB application.

Exhibit 2: Map Illustration of Alignment Reroute



4906-5-02 PROJECT SUMMARY AND APPLICANT INFORMATION**(A) PROJECT SUMMARY**

Text provided in the November 23, 2020 Application filing remains unchanged.

(1) General Purpose of the Facility

Text provided in the November 23, 2020 Application filing remains unchanged.

(2) General Location, Size, and Operating Characteristics

The proposed Project is east of downtown Columbus and begins at the existing Marion Road Substation at the intersection of Marion Road and South Champion Road, and terminates at the existing Mound Street Substation, at the intersection of East Mound Street and South Monroe Avenue. The Project will be approximately ~~3.12~~ 3.22 to 2.98 miles in length depending on the selected route and will be installed underground and operated at 138 kV. Figure 2-1 shows the Project area, Marion Road Substation, Mound Street Substation, the existing Canal Street-Marion Road 138-kV Transmission Line to be retired, and the revised Preferred Route and ~~Alternate Routes~~ identified by the Company.

(3) Suitability of Preferred and Alternate Routes

Text provided in the November 23, 2020 Application filing remains unchanged.

(i) Preferred Route

The Preferred Route from the existing Marion Road Substation to the existing Mound Street Substation is approximately ~~3.12~~ 3.22 miles in length.

The ~~3.12~~ 3.22 mile route exits the Marion Road Substation to the south and rounds the east side of the substation parcel before turning north for approximately 0.1 mile along the eastern edge of South Champion Avenue. The route then travels east along Reeb Avenue for one block before turning north and running along Oakwood Avenue for approximately 1.8 miles to Newton Street. From the intersection of Newton Street and Oakwood Avenue, the route runs west along Newton Street for approximately 0.3 mile then travels north along Gilbert Street and crosses under Interstate (I)-70. On the north side of I-70, the route runs north along Gilbert Street then turns west and runs approximately 0.3 mile along East Fulton Street before heading north on South Monroe Avenue and terminating at the existing Mound Street Substation.

(ii) Alternate Route

Text provided in the March 17, 2021 Application Modification filing remains unchanged.

(4) Schedule

Text provided in the November 23, 2020 Application filing remains unchanged.

(B) APPLICANT DESCRIPTION

Text provided in the November 23, 2020 Application filing remains unchanged.

4906-5-03 REVIEW OF NEED AND SCHEDULE

Text provided in the November 23, 2020 Application filing remains unchanged.

4906-5-04 ROUTE ALTERNATIVES ANALYSIS

Text provided in the November 23, 2020 Application filing remains unchanged.

4906-5-05 PROJECT DESCRIPTION**(A) PROJECT AREA DESCRIPTION**

Text provided in the November 23, 2020 Application filing remains unchanged.

(1) Project Area Map

Figure 7-1 provides a map at 1:24,000-scale, showing the revised Preferred Route and ~~Alternate Routes~~ for the Project. This map includes a 1,000-foot corridor on each side of the proposed transmission centerlines (hereafter referred to as the 2,000-foot corridor). These maps depict the proposed transmission lines; roads and railroads; major institutions; publicly owned parks and recreational areas; existing gas pipeline and electric transmission line corridors; and population centers and legal boundaries of cities, villages, townships, and counties. There are no named lakes, reservoirs, streams, canals, and rivers, in the project area. The map uses the Southeast Columbus (2019) USGS 7.5-minute topographic quadrangles as base maps.

The information on the map was updated by reviewing digital, georeferenced aerial photography, property parcel data from the Franklin County Auditor's Office, and field reconnaissance trips conducted between May and August 2020. The aerial photographs are georeferenced, orthorectified color images derived from ESRI ArcGIS Online.

(2) Proposed Right-of-Way, Transmission Length, and Properties Crossed

Text provided in the March 17, 2021 Application Modification filing remains unchanged.

TABLE 5-1

Right-of-way Area, Length, and Number of Properties Crossed for the Preferred and Alternate Routes

	Route Alternatives	
	Preferred	Alternate
Proposed ROW area (in acres)	15.1 15.78	14.1
Length (in miles)	3.12 3.22	2.98
Number of properties crossed (by ROW)	110 104	118
Number of easements required (by property owner) ^a	8 0	6
Estimated easement area (in acres) ^a	0.24	0.13

^a The easement acquisition plan has developed since the original OPSB application filing. The numbers presented here are derived from the current ROW acquisition plan.

ROW = right-of-way

(B) ROUTE OR SITE ALTERNATIVE FACILITY LAYOUT AND INSTALLATION

(1) Site Clearing, Construction, and Reclamation

Text provided in the November 23, 2020 Application filing remains unchanged.

(a) Surveying and Soil Testing

Text provided in the November 23, 2020 Application filing remains unchanged.

(b) Grading and Excavation

Text provided in the March 17, 2021 Application Modification filing remains unchanged.

(c) Construction of Temporary and Permanent Access Roads and Trenches

Text provided in the November 23, 2020 Application filing remains unchanged.

(d) Laying of Cable

Text provided in the March 17, 2021 Application Modification filing remains unchanged.

(e) Installation of Electric Transmission Line Poles and Structures, Including Foundations

Text provided in the November 23, 2020 Application filing remains unchanged.

(f) Post-Construction Reclamation.

Text provided in the November 23, 2020 Application filing remains unchanged.

(2) Facility Layout

(a) Transmission Line Route Map

Text provided in the November 23, 2020 Application filing remains unchanged.

(C) DESCRIPTION OF PROPOSED TRANSMISSION LINES OR PIPELINES**(1) Electric Power Transmission Lines**

Text provided in the November 23, 2020 Application filing remains unchanged.

(2) Diagram of Electric Power Transmission Substations

Text provided in the November 23, 2020 Application filing remains unchanged.

4906-5-06 ECONOMIC IMPACT AND PUBLIC INTERACTION**(A) OWNERSHIP OF PROPOSED FACILITY**

Text provided in the November 23, 2020 Application filing remains unchanged.

(B) CAPITAL AND INTANGIBLE COSTS ESTIMATE FOR ELECTRIC POWER TRANSMISSION FACILITY ALTERNATIVES

The Company developed estimates of applicable capital and intangible costs for a variety of components of the Project. Each of the enumerated components is included in Table 6-1. The table also includes estimates of applicable intangible and capital costs for ~~both~~ the revised Preferred and Alternate Routes of the Project.

TABLE 6-1

Estimates of Applicable Intangible and Capital Costs for Both the Preferred and Alternate Routes

FERC Account Number	Description	Preferred Route	Alternate Route
350	(1) Land and Land Rights	\$675,603	\$675,603
352	(2) Structures and Improvements	\$0	\$0
353	(3) Substation Equipment	\$1,906,716	\$1,906,716
354	(4) Towers and Fixtures	\$0	\$0
355	(5) Poles and Fixtures	\$0	\$0
356	(6) Overhead Conductors and Devices	\$0	\$0
357	(7) Underground Conductors and Insulation	\$35,850,793 <u>\$36,910,793</u>	\$40,458,783
358	(8) Underground-to-Overhead Conversion Equipment	\$500,000	\$500,000
359	(9) ROW Clearing and Roads, Trails or Other Access	\$1,530,600	\$1,843,600
TOTAL		\$40,463,712 <u>\$41,523,712</u>	\$45,384,702

FERC = Federal Energy Regulatory Commission

(C) CAPITAL AND INTANGIBLE COSTS ESTIMATE FOR GAS TRANSMISSION FACILITY ALTERNATIVES

Text provided in the November 23, 2020 Application filing remains unchanged.

(D) PUBLIC INTERACTION AND ECONOMIC IMPACT

Text provided in the November 23, 2020 Application filing remains unchanged.

4906-5-07 HEALTH AND SAFETY, LAND USE, AND REGIONAL DEVELOPMENT**(A) HEALTH AND SAFETY**

Text provided in the March 17, 2021 Application Modification filing remains unchanged.

(B) LAND USE**(1) Map of the Site and Route Alternatives**

Text provided in the November 23, 2020 Application filing remains unchanged.

(2) Impact on Identified Land Uses

Land use in the Project's Study Area is primarily residential with commercial development along East Livingston Avenue and industrial use south of Frebis Avenue.

Comparisons of the various land use types and land use features for both routes are included in Tables 7-4 to 7-6 for the Preferred and Alternate Routes. The estimates of each land use type being crossed by the transmission line, land use within the construction ROW, and the permanent ROW (linear feet, acreage, and percentages) were determined using GIS software calculations.

The potential disturbance area during construction activities (underground circuit installations, etc.) consists of the 40-foot-wide construction ROW. The construction ROW will be restored through paving road ROW and soil grading, seeding, and mulching where vegetation impacts occur. Thus, the permanent impact to the ROW is primarily limited to the removal of existing trees and other vegetation. Property owners may continue to use most of the ROW area for general uses that will not affect the safe and reliable operation of the transmission line, such as lawn maintenance.

TABLE 7-4
Length and Percent of Land Uses Crossed by Route Alternatives

Land Use	Preferred Route*		Alternate Route*	
	Linear Feet	Percent	Linear Feet	Percent
Agricultural	0	0%	0	0%
Commercial	0	0%	0	0%
Industrial	1,314	8%	1,273	8%
Institutional	0	0%	0	0%
Recreational	0	0%	0	0%
Residential	2,201	13% <u>12.8%</u>	2,121	13%
Road Right-of-Way	12,965	79% <u>75.5%</u>	12,356	79%
Vacant	0	0%	0	0%
Total	16,480 <u>17,160</u>	100%	15,750	100%

* Numbers in the table are for the route centerlines.

TABLE 7-5

Acreage and Percent of Land Uses Crossed by Route Alternatives

Land Use	Preferred Route*		Alternate Route*	
	Acreage	Percent	Acreage	Percent
Agricultural	0	0%	0	0%
Commercial	<0.1	0%	0	0%
Industrial	0.8	5%	0.8	5%
Institutional	<0.1	0%	0.1	1%
Recreational	0	0%	0	0%
Residential	2.7	18% 17%	2.1	15%
Road Right-of-Way	11.6	77% 74%	11.1	79%
Vacant	0	0%	0	0%
Total	15.1 15.78	100%	14.1	100%

*Numbers in the table are for the planned potential disturbance area (40-foot width).

TABLE 7-6

Number of Sensitive Features within or near the Potential Disturbance Area for the Route Alternatives

	Route Alternatives	
	Preferred	Alternate
Length (in miles)	3.12 3.22	2.98
Features within the Potential Disturbance Area of Route Alternatives*		
Historic Structures (OHI)	2	1
National Register of Historic Places	0	0
Previously Identified Archaeological Sites	7	7
Residences	5	0
Commercial Buildings	0	0
Industrial Buildings	0	0
Schools and Hospitals	0	0
Churches and Civic Buildings	0	2
Recreational Lands	0	0
Airports	0	0

TABLE 7-6

Number of Sensitive Features within or near the Potential Disturbance Area for the Route Alternatives

	Route Alternatives	
	Preferred	Alternate
Features within 1,000 feet of Route Alternatives (centerline)		
Historic Structures (OHI)	91	81
National Register of Historic Places	0	0
Previously Identified Archaeological Sites	16	16
Residences	2,486	2,271
Commercial Buildings	55	57
Industrial Buildings	6	9
Schools and Hospitals	6	6
Churches and Civic Buildings	24	25
Recreational Land	3	3
Airports	0	0

* The planned potential disturbance area is a nominal 40-foot-wide corridor centered on the route.

OHI = Ohio Historic Inventory

(a) Residential

Preferred Route: The Preferred Route is within 1,000 feet of 2,486 residences, 5 of which are within the planned potential disturbance area. As shown in Table 7-5, residential land makes up 18 percent of the Preferred Route ROW.

Alternate Route: The Alternate Route is within 1,000 feet of 2,271 residences, none of which are within the planned potential disturbance area. As shown in Table 7-5, residential land makes up 15 percent of the Alternate Route ROW.

Based on the Preferred and Alternate Routes being primarily within road ROW, the 5 residences within the Preferred Route ROW will likely not be impacted by the Project.

(b) Commercial

Text provided in the November 23, 2020 Application filing remains unchanged.

(c) Industrial

Text provided in the November 23, 2020 Application filing remains unchanged.

(d) Institutional (School, Hospitals, Churches, and Civic Buildings)

Text provided in the March 17, 2021 Application Modification filing remains unchanged.

AEP CONFIDENTIAL

(e) Recreational

Text provided in the March 17, 2021 Application Modification filing remains unchanged.

(f) Agricultural

Text provided in the November 23, 2020 Application filing remains unchanged.

(g) Vacant

Text provided in the November 23, 2020 Application filing remains unchanged.

(3) Impact on Identified Nearby Structures**(a) Structures within 200 feet of Proposed Right-of-Way**

There are ~~568~~ 572 residences within 200 feet of the Preferred Route ROW and 542 residences within 200 feet of the Alternate Route ROW; these residences range from property boundaries crossed by the centerline to property lines that are 200 feet from the edge of ROW. There are 16 commercial buildings within 200 feet of the Preferred Route and 14 commercial buildings within 200 feet of the Alternate Route ROW. There are seven churches, two civic buildings, and one school (Saint John School) within 200 feet of the Preferred Route ROW. There are five churches, two civic buildings, and one school (Saint John School) within 200 feet Alternate Route ROW. There are no industrial or recreational structures within 200 feet of the proposed ROW for either route.

(b) Destroyed, Acquired, or Removed Buildings

Text provided in the November 23, 2020 Application filing remains unchanged.

(c) Mitigation Procedures

Text provided in the November 23, 2020 Application filing remains unchanged.

(C) AGRICULTURAL LAND IMPACTS

Text provided in the November 23, 2020 Application filing remains unchanged.

(1) Agricultural Land Map

Text provided in the November 23, 2020 Application filing remains unchanged.

(2) Impacts to Agricultural Lands and Agricultural Districts

The Franklin County Auditor's Office was contacted to obtain information on current Agricultural District lands records. No Agricultural District parcels are within 1,000 feet of the Preferred and Alternate Routes. The data was received from the Franklin County Auditor's Office on ~~February 19, 2021~~ September 29, 2021. The provided data fulfills the requirement of Ohio Administrative Code 4906-5-07(C)(1)(b), which states this data must be collected not more than 60 days prior to submittal.

(a) Acreage Impacted

Text provided in the November 23, 2020 Application filing remains unchanged.

(b) Evaluation of Construction, Operation, and Maintenance Impacts

Text provided in the November 23, 2020 Application filing remains unchanged.

(c) Mitigation Procedures

Text provided in the November 23, 2020 Application filing remains unchanged.

(D) LAND USE PLANS AND REGIONAL DEVELOPMENT

Text provided in the November 23, 2020 Application filing remains unchanged.

(E) CULTURAL AND ARCHAEOLOGICAL RESOURCES

Text provided in the March 17, 2021 Application Modification filing remains unchanged.

4906-5-08 ECOLOGICAL INFORMATION AND COMPLIANCE WITH PERMITTING REQUIREMENTS

Text provided in the November 23, 2020 Application filing remains unchanged.

(A) ECOLOGICAL MAP

Maps at a scale of 1:24,000 including the corridor 1,000 feet either side of the centerline (referred to as the 2,000-foot corridor) of the revised Preferred Route and ~~Alternate Routes~~ are presented as Figure 7-1. These maps depict the transmission line alignments, substation locations, and land use classifications, including vegetative cover. Features within 2,000 feet of the proposed routes were identified from published data and, where accessible, verified by the field ecological survey.

An ecological overview map is provided as Figure 8-1. More detailed maps also were prepared at a 1:10,000 scale depicting environmental resources found during field delineation (Figures 8-2A and 8-2B). As the Project is in a developed urban area, no waterbody and wetland features, lakes, ponds, reservoirs, slopes of 12 percent or greater, wildlife areas, nature preserves, and conservation areas were observed within the 2,000-foot corridor and are provided as Figures 8-2A through 8-2B for ~~both the~~ revised Preferred Route and ~~Alternate Routes~~.

(B) FIELD SURVEY REPORT FOR VEGETATION AND SURFACE WATERS

Text provided in the November 23, 2020 Application filing remains unchanged.

(C) LITERATURE SURVEY OF PLANT AND ANIMAL LIFE POTENTIALLY AFFECTED

Text provided in the November 23, 2020 Application filing remains unchanged.

(D) SITE GEOLOGY

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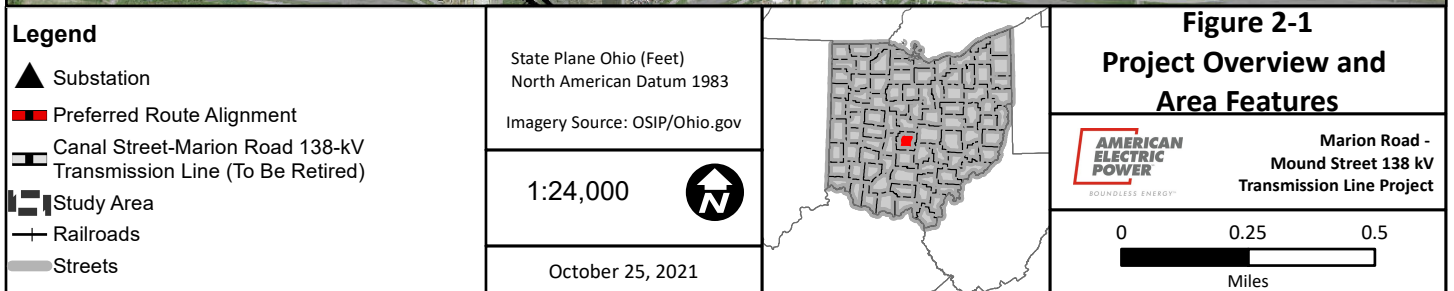
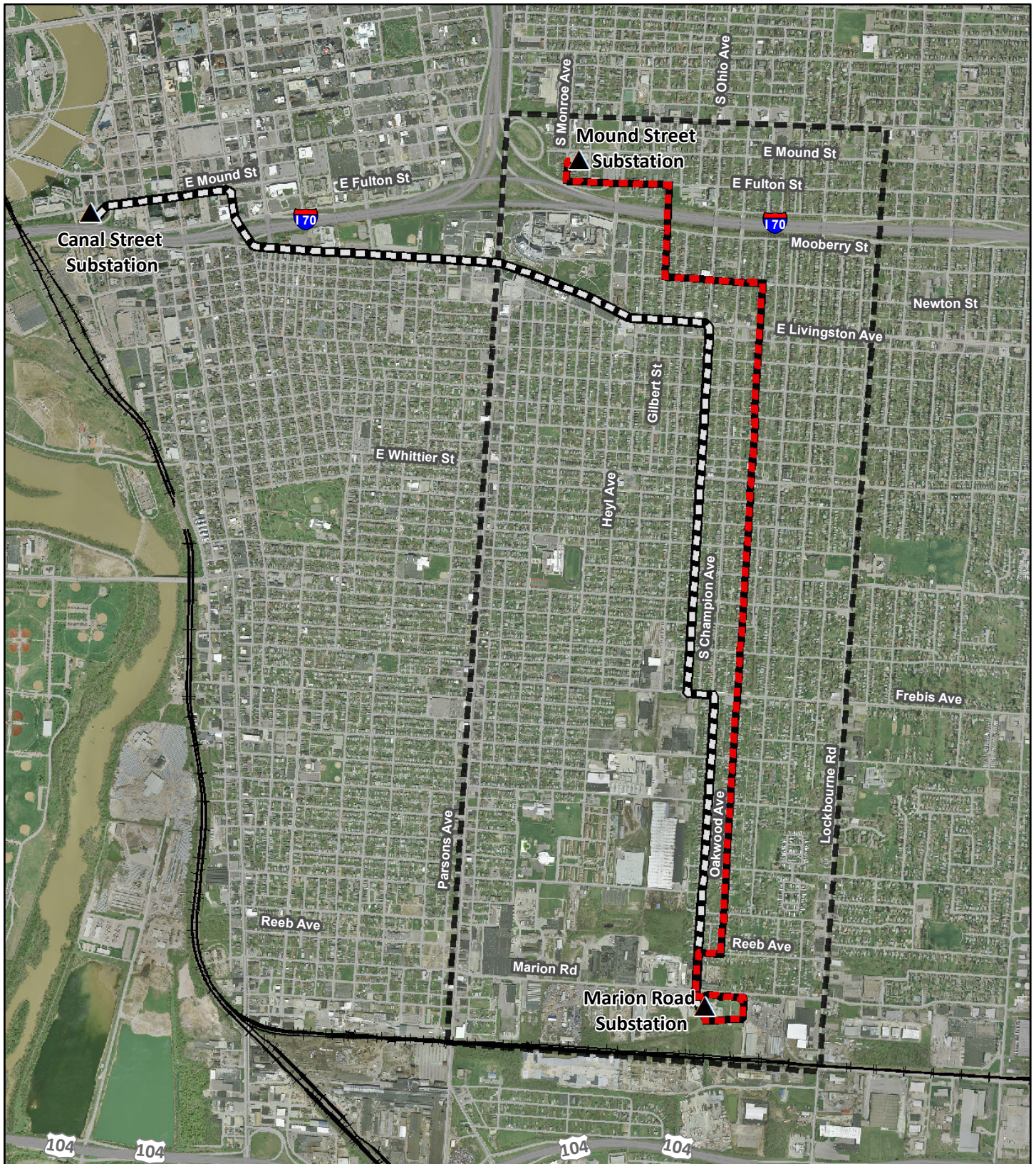
(E) ENVIRONMENTAL AND AVIATION REGULATION COMPLIANCE

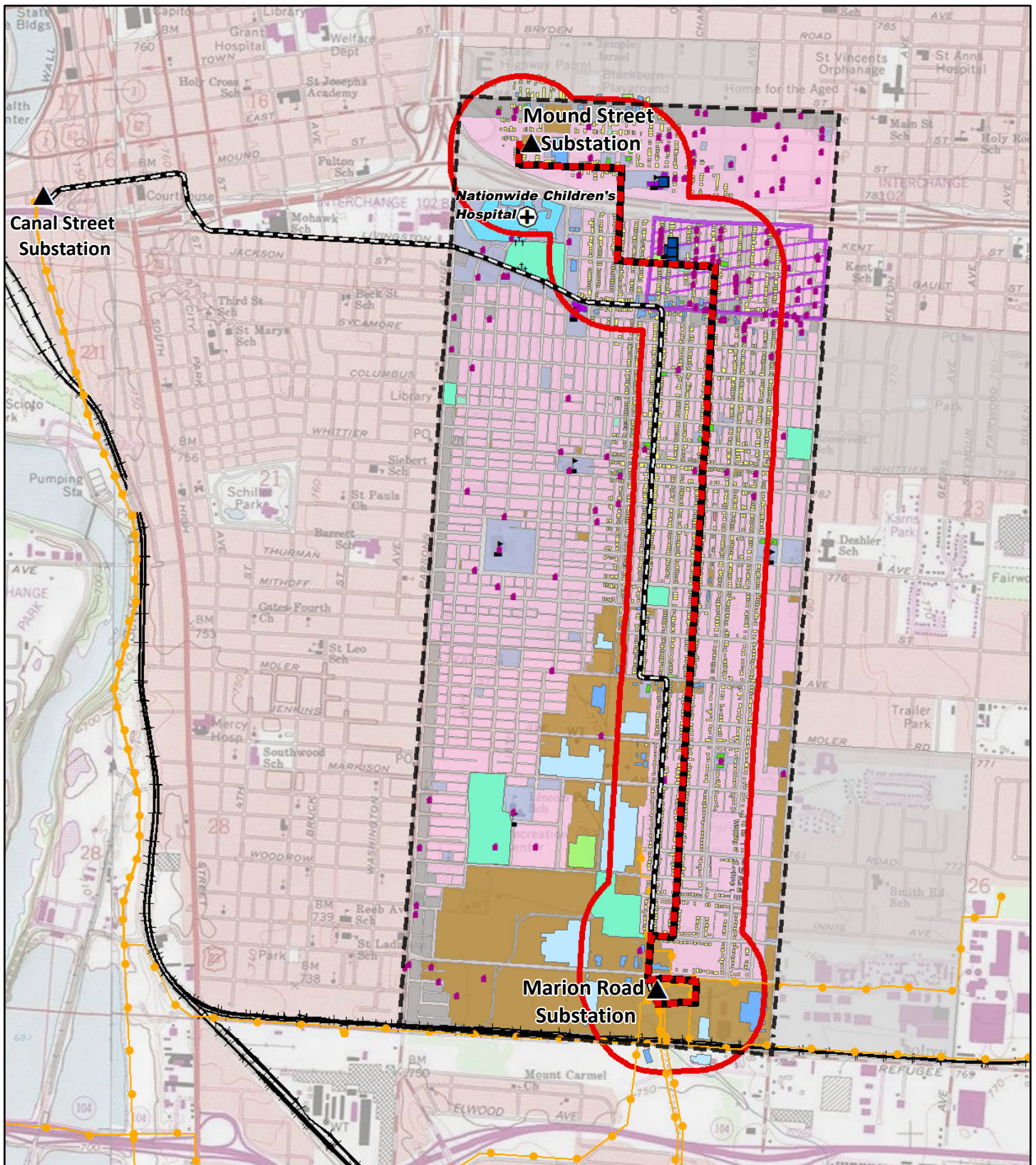
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REFERENCES

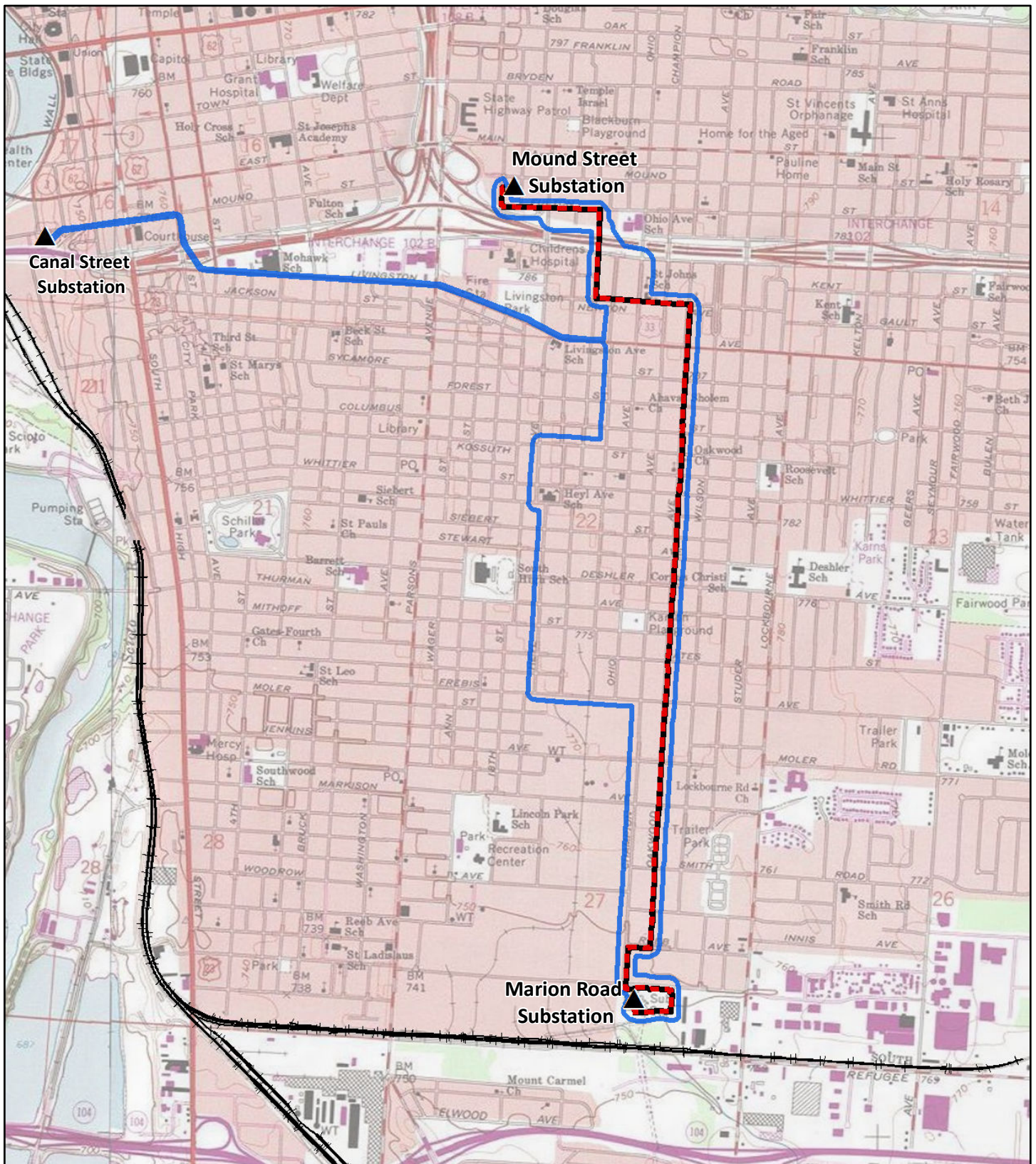
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Figures









<p>Legend</p> <ul style="list-style-type: none"> Substation Preferred Route Alignment Canal Street-Marion Road 138-kV Transmission Line (To Be Retired) Transmission Lines Hospital Cemetery Railroad OHPO School Historic Structure Preferred Route 1000ft Corridor Study Area Historic District Commercial and Industrial Institutional Mixed Use Environmental Justice Area Parks and Open Space Residential Church Civic Commercial Hospital Industrial Other Residential School 	<p>State Plane Ohio (Feet) North American Datum 1983</p> <p>Topo Map Source: National Geographic Society/ https://services.arcgis.com/arcgisonline.com</p> <p>1:24,000</p> <p>October 25, 2021</p>		<p>Figure 7-1 Land Use Map</p> <p>AMERICAN ELECTRIC POWER SOUNDLESS ENERGY™</p> <p>Marion Road - Mound Street 138 kV Transmission Line Project</p> <p>0 0.25 0.5 Miles</p>
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Legend

-  Substation
-  Preferred Route Alignment
-  Eco Survey Corridor
-  Railroads

State Plane Ohio (Feet)
North American Datum 1983
Topo Map Source:
National Geographic Society
<https://services.arcgis.com/online.com>

1:25,000



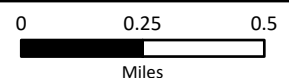
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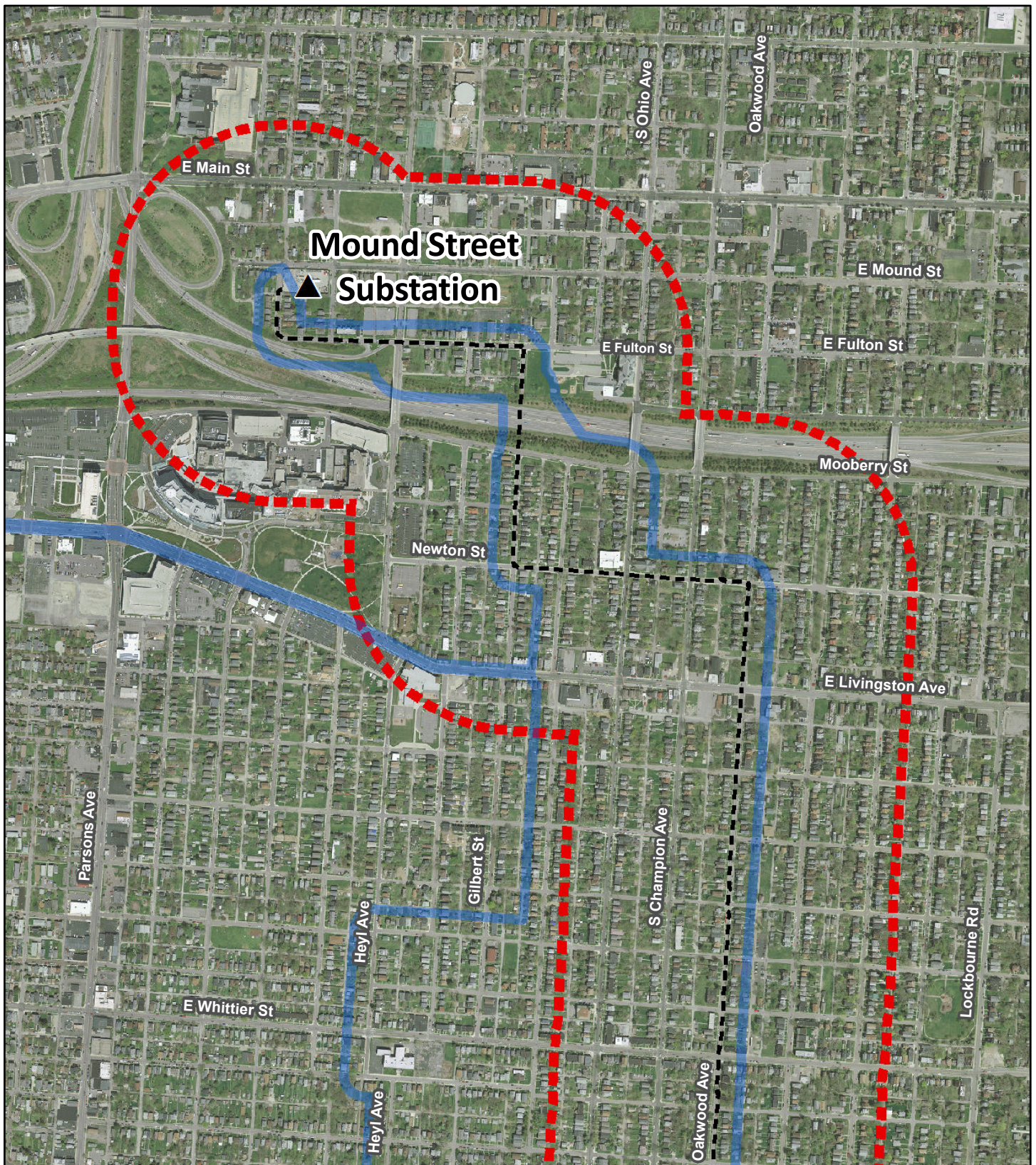


Figure 8-1 Wetland and Waterbody Overview Map







Marion Road -
Mound Street 138 kV
Transmission Line Project





Legend

-  Substation
-  Preferred Route Alignment
-  Eco Survey Corridor
-  Preferred Route 1000ft Corridor

State Plane Ohio (Feet)
North American Datum 1983

Imagery Source: OSIP/Ohio.gov

1:10,000



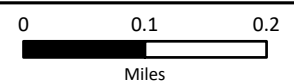
October 25, 2021

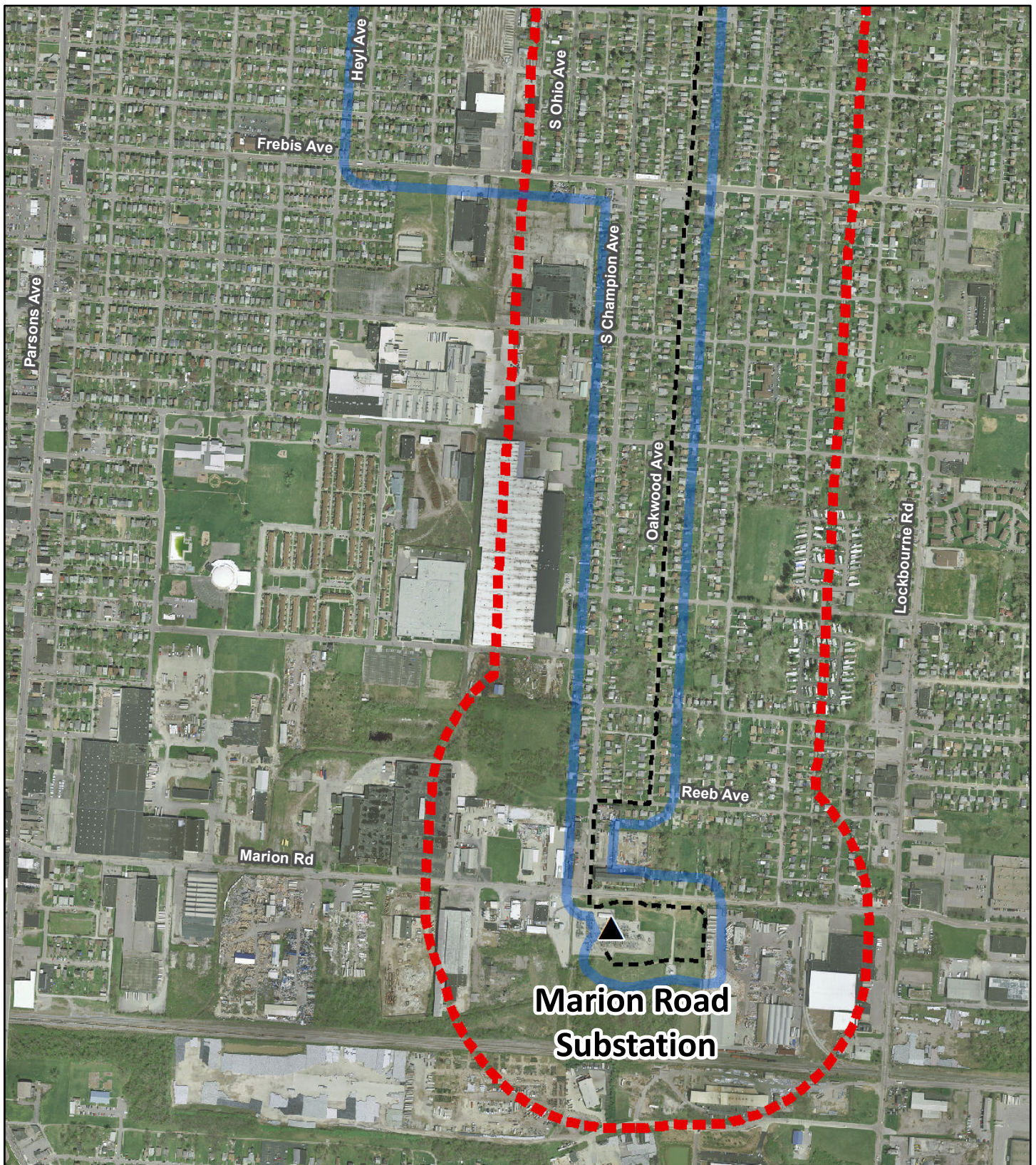


Figure 8-2A Wetland and Waterbody Overview Map







Marion Road -
Mound Street 138 kV
Transmission Line Project





Legend

-  Substation
-  Preferred Route Alignment
-  Eco Survey Corridor
-  Preferred Route 1000ft Corridor

State Plane Ohio (Feet)
North American Datum 1983

Imagery Source: OSIP/Ohio.gov

1:10,000



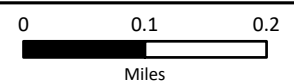
October 25, 2021



Figure 8-2B Wetland and Waterbody Overview Map



Marion Road -
Mound Street 138 kV
Transmission Line Project



Appendix A

Wetland and Waterbody Delineation Report Addendum

Cultural Resources Coordination Letter

Wetland and Waterbody Delineation Report, Addendum 1

Installation of Canal Street-Marion Road 138 kV
Underground Transmission Line

Franklin County, Ohio

Prepared for



November 2021

Jacobs

2 Crowne Point Court, Suite 100
Cincinnati, OH 45241

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Appendices

- A Wetland Delineation Addendum Map
- B U.S. Army Corps of Engineers (USACE) Wetland Determination Forms – Midwest Region

1 Project Description

This addendum to the Wetland and Waterbody Delineation Report (Addendum 1) summarizes the results of follow-up wetland and waterbody delineation and ecological field surveys conducted by Jacobs Engineering Group Inc. (Jacobs) on behalf of AEP Ohio Transmission Company, Inc. (AEP) for the Installation of Canal Street-Marion Road 138 kV Underground Transmission Line (Project).

AEP is proposing an alignment reroute to accommodate potential future expansion of Marion Station. The additional area required for the reroute, an approximately 150 feet by 450 feet area, was added to the eastern edge of the original Environmental Survey Corridor (ESC) as shown on the Wetland Delineation Addendum Map (Appendix A). The results of the supplemental delineation are discussed herein.

2 Field Survey Results

Jacobs' biologists surveyed the Project reroute area on October 22nd, 2021 by walking the expanded ESC to evaluate for wetlands and other waters of the United States (U.S.). No wetlands or waterbodies were documented within the expanded ESC. The surveyed expansion area was dominated by upland herbaceous vegetation (*Solidago canadensis*, Canada Goldenrod) with no indications of past or present hydrology. No trees were present within the expanded survey corridor. Site photographs can be found immediately following the text and the USACE upland data determination form can be found in Appendix B.

3 Conclusion

Jacobs' biologists surveyed the Project reroute area on October 22nd, 2021 by walking the expanded ESC to evaluate for wetlands and other waters of the U.S.. No wetlands or waterbodies were documented within the expanded survey area. The surveyed expansion area was dominated by upland herbaceous vegetation (*Solidago canadensis*, Canada Goldenrod) with no indications of past or present hydrology. No trees were present within the expanded survey corridor.

The wetland and waterbodies delineation results presented within this report (Addendum 1) apply to the site conditions at the time of our assessment. Changes within the environmental survey corridor that may occur with time due to natural processes or human impacts at the project site or on adjacent properties, could invalidate the findings of this report, especially if Jacobs is unaware and has not had the opportunity to revisit the project survey area. Additionally, changes in applicable standards and regulations may also occur as a result of legislation or the expansion of knowledge over time. Therefore, the findings of this wetland and waterbodies delineation report may be invalidated, wholly or in part, by changes that are beyond the control of Jacobs.

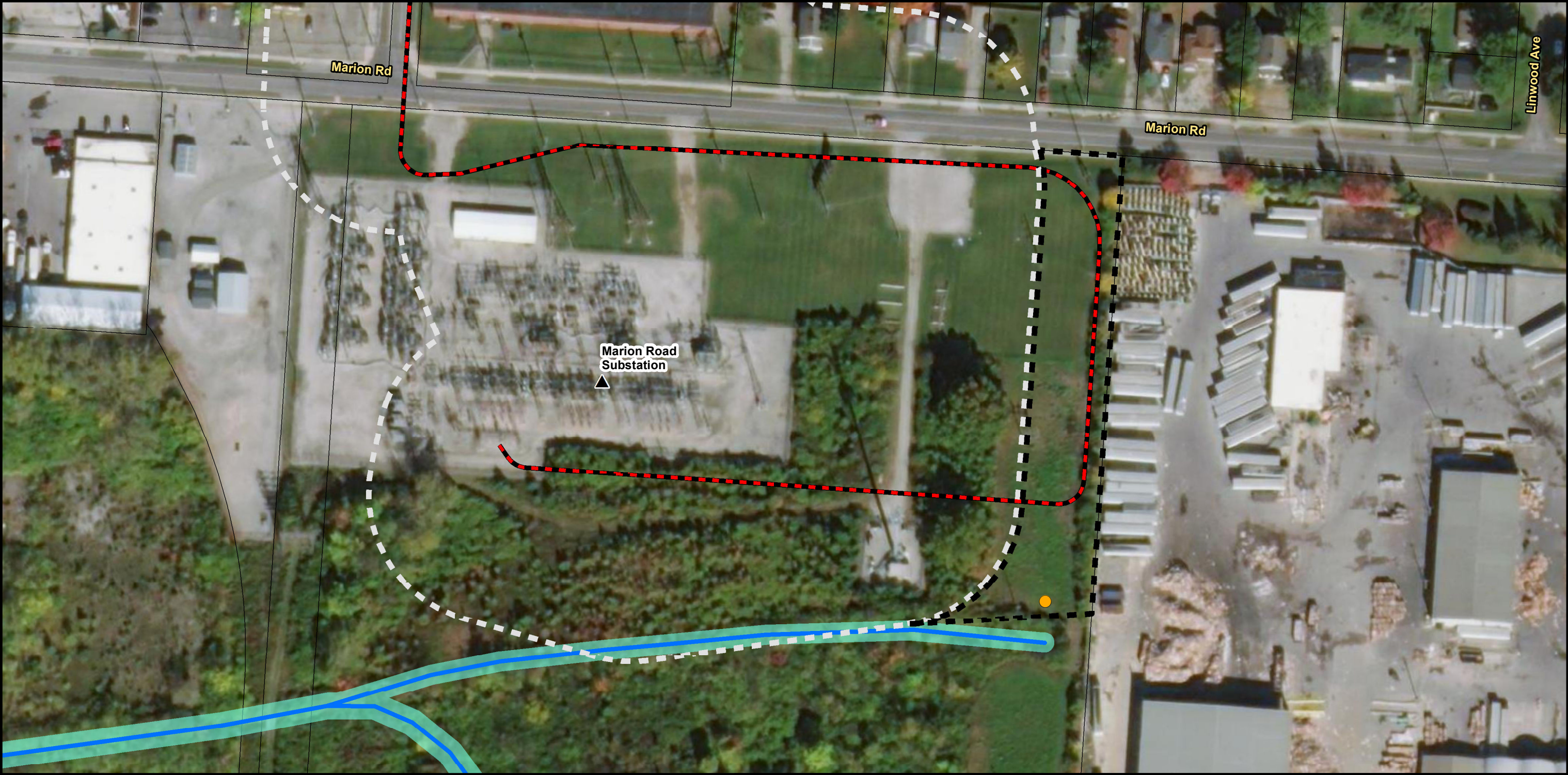
Site Photos


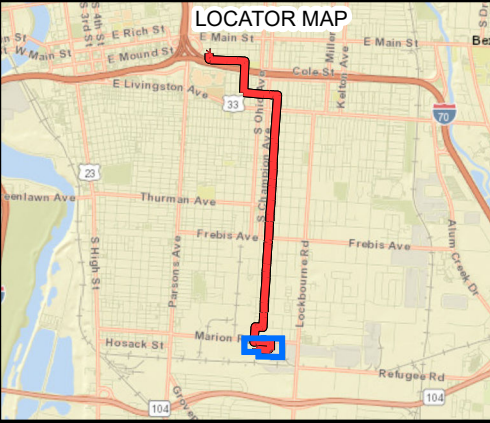
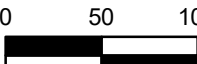



Looking south at vegetation within expanded survey corridor.

Appendix A - Wetland Delineation Addendum Map

\\dc1vs01\GIS\Proj\VAEP\Canal_Street\Permitting\Maps\Report\Wetland_Delineation_Addendum_Map.mxd



Legend <ul style="list-style-type: none">▲ Substation● Upland Data PointMound Street-Marion Road 138kV Underground Transmission Line (Installation)NHD StreamNWI WetlandParcel BoundaryEnvironmental Survey Corridor Addendum November 2021Environmental Survey Corridor June 2020	 Wetland Delineation Report		 LOCATOR MAP	SCALE 1" = 100' (1:1,200) PAGE SIZE: 11x17 INCHES	DATE: 11/12/2021
	Projected Coordinate System: Ohio State Plane South Datum: North American Datum - 1983 Linear Unit: Feet			Wetland and Waterbody Delineation Map, Addendum 1	 Scale in Feet
	BASE MAP SOURCE: ESRI Basemap World Imagery			CREATED BY: JW	
				REVIEWED BY: TA	

Appendix B
U.S. Army Corps of Engineers (USACE) Wetland
Determination Forms – Midwest Region

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Canal Street - Marion Road City/County: Columbus/Franklin Sampling Date: 10-22-21
 Applicant/Owner: AEP State: OH Sampling Point: UP-01
 Investigator(s): BCR Section, Township, Range: S27, T5N, R22W
 Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None
 Slope (%): 2 Lat: 39.921618 Long: -82.969683 Datum: WGS84
 Soil Map Unit Name: CsB; Crosby-Urban land complex, 2 to 6 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes x No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present? Yes <u> </u> No <u>X</u>	
Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	
Remarks: Upland data point taken near the southeastern edge of the Marion Rd. Station property. Upland vegetation with no indications of hydrology noted in the expanded survey area. NHD stream south of the expanded Environmental Survey Corridor.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u> 0 </u> (A) Total Number of Dominant Species Across All Strata: <u> 2 </u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u> 0.0% </u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> =Total Cover				
Sapling/Shrub Stratum (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u> 0 </u> x 1 = <u> 0 </u> FACW species <u> 0 </u> x 2 = <u> 0 </u> FAC species <u> 0 </u> x 3 = <u> 0 </u> FACU species <u> 110 </u> x 4 = <u> 440 </u> UPL species <u> 5 </u> x 5 = <u> 25 </u> Column Totals: <u> 115 </u> (A) <u> 465 </u> (B) Prevalence Index = B/A = <u> 4.04 </u>
1. <i>Pyrus calleryana</i>	<u> 5 </u>	<u>Yes</u>	<u>UPL</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> 5 </u> =Total Cover				
Herb Stratum (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <i>Solidago canadensis</i>	<u> 60 </u>	<u>Yes</u>	<u>FACU</u>	
2. <i>Schedonorus arundinaceus</i>	<u> 20 </u>	<u>No</u>	<u>FACU</u>	
3. <i>Erigeron canadensis</i>	<u> 15 </u>	<u>No</u>	<u>FACU</u>	
4. <i>Plantago lanceolata</i>	<u> 10 </u>	<u>No</u>	<u>FACU</u>	
5. <i>Trifolium hybridum</i>	<u> 5 </u>	<u>No</u>	<u>FACU</u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> 110 </u> =Total Cover				
Woody Vine Stratum (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> =Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: UP-01

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redox Features				Texture	Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
								see remarks below

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :	
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Coast Prairie Redox (A16)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Dark Surface (S7)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Loamy Mucky Mineral (F1)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> 2 cm Muck (A10)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):	Hydric Soil Present?
Type: _____ Depth (inches): _____	Yes _____ No <u>X</u>

Remarks:
Soil data deemed unnecessary due to lack of vegetation and hydrology indicators.

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)	
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> FAC-Neutral Test (D5)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)		

Field Observations:				Wetland Hydrology Present? Yes _____ No <u>X</u>
Surface Water Present?	Yes _____ No <u>x</u>	Depth (inches): _____		
Water Table Present?	Yes _____ No <u>x</u>	Depth (inches): _____		
Saturation Present?	Yes _____ No <u>x</u>	Depth (inches): _____		
(includes capillary fringe)				

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Data point lacking any indication of past or present hydrology.



In reply, refer to
2020-FRA-49975

November 5, 2021

Mr. Ryan J. Weller
Weller & Associates, Inc.
1395 West Fifth Avenue
Columbus, Ohio 43212

RE: Marion Road Station Expansion Project, City of Columbus Franklin County, Ohio

Dear Mr. Weller:

This letter is in response to the correspondence received on November 3, 2021 regarding the proposed Marion Road Station Expansion Project, City of Columbus Franklin County, Ohio. We appreciate the opportunity to comment on this project. The comments of the Ohio State Historic Preservation Office (SHPO) are made pursuant to Section 149.53 of the Ohio Revised Code and the Ohio Power Siting Board rules for siting this project (OAC 4906-5). The comments of the Ohio SHPO are also submitted in accordance with the provisions of Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. 306108 [36 CFR 800]).

Our office had previously reviewed and coordinated the Marion Road Station as part of the *Phase I Archaeological Review for the Preferred Route of the Approximately 4.8 km (3 mi) Canal Street-Marion Road Underground Relocation Project within the City of Columbus, Franklin County, Ohio* by Ryan Weller (Weller & Associates, Inc. 2020). Our coordination letter, dated November 20, 2020, determined the Canal Street-Marion Road Underground Relocation Project would have no adverse effect on historic properties.

The following comments pertain to the *Addendum Cultural Resource Management Investigations for an Expansion Area at the Marion Road Station in the City of Columbus, Franklin County, Ohio* (PO 80179608; BPID P19247004; WO T10093741005) by Ryan J. Weller (Weller & Associates, Inc., 2021).

A literature review and visual inspection was completed as part of the investigations. No previously identified archaeological sites are located within the addendum project area and was found to be disturbed. Our office agrees no further archaeological survey is necessary. No significant architectural resources will be affected by the expanded project area.

Based on the information provided, we agree that the project as proposed expanded project area will not affect historic properties. No further coordination with this office is necessary, unless the project changes or unless new or additional historic properties are discovered during implementation of this project. In such a situation, this office should be contacted. If you have any questions, please contact me at (614) 298-2022, or by e-mail at khorricks@ohiohistory.org. Thank you for your cooperation.

Sincerely,

A handwritten signature in blue ink, appearing to read "Krista Horrocks".

Krista Horrocks, Project Reviews Manager
Resource Protection and Review

RPR Serial No: 1090747

**This foregoing document was electronically filed with the Public Utilities
Commission of Ohio Docketing Information System on**

11/17/2021 7:33:16 PM

in

Case No(s). 21-1184-EL-BTA

Summary: Notice Amendment Application for Marion-Mound electronically filed by
Hector Garcia-Santana on behalf of Ohio Power Company