



Legal Department

American Electric Power
1 Riverside Plaza
Columbus, OH 43215-2373
AEP.com

October 31, 2018

Ms. Barcy F. McNeal
Docketing Division
Public Utilities Commission of Ohio
180 E. Broad Street
Columbus, Ohio 43215-3793

Hector Garcia
Christen M. Blend
Senior Counsel-
Regulatory Services
(614) 716-3410 (P)
(614) 716-1915 (P)
hgarcia1@aep.com
cmblend@aep.com

Re: PUCO Case No. 18-1386-EL-BNR In the Matter of the Construction Notice
Application of AEP Ohio Transmission Company, Inc. for a Certificate of
Environmental Compatibility and Public Need for the Hyatt-Genoa 138 kV
Structure Replacement Project

Dear Chairman Haque:

Attached please find a copy of AEP Ohio Transmission Company, Inc.'s ("AEP Ohio Transco") Construction Notice application for the above-referenced project, which is being submitted pursuant to O.A.C. 4906-6-05.

Copies of this filing will also be submitted to the executive director or the executive director's designee and provided to the OPSB Staff via electronic message.

If you have any questions, please do not hesitate to contact me.

Respectfully submitted,

/s/Christen Blend

Christen M. Blend (0086881), Counsel of Record
Hector Garcia (0084517)

Counsel for AEP Ohio Transmission Company, Inc.

cc: John Jones, Counsel OPSB Staff
John Pawley, OPSB Staff

Construction Notice for the Hyatt-Genoa 138 kV Structure Replacement Project



PUCO Case No. 18-1386-EL-BNR

Submitted to:
The Ohio Power Siting Board
Pursuant to Ohio Administrative Code
Section 4906-6-05

Submitted by:
AEP Ohio Transmission Company, Inc.

October 31, 2018

Construction Notice

AEP Ohio Transmission Company, Inc.'s Hyatt-Genoa 138 kV Structure Replacement Project

AEP Ohio Transmission Company, Inc. ("AEP Ohio Transco") provides the following information to the Ohio Power Siting Board ("OPSB") pursuant to Ohio Administrative Code Section 4906-6-05.

4906-6-5(B) General Information

B(1) Project Description

The name of the project and applicant's reference number, names and reference number(s) of resulting circuits, a brief description of the project, and why the project meets the requirements for a Construction Notice.

AEP Ohio Transco is proposing to relocate two structures (154-10 and 154-11) on the Hyatt-Genoa 138kV transmission line at the request of the City of Columbus for a roundabout project at the intersection of Worthington Road, Orion Place, and Olde Worthington Road (the "Project"). Structure 154-10 will move 65 feet southeast of its current location and structure 154-11 will move 45 feet to the east of its current location. See Figure 2 for a visual depiction of the proposed structure relocations.

Figure 1 shows the location of the Project and Figure 2 shows where the two structures will be relocated. Appendix A is an excerpt of the City of Columbus plans for this project (DEL-CR 615-0.00). No cultural resources are anticipated in this area due to the heavy commercial development and roadway system in the immediate project area. No streams or wetlands were identified in the project area as the location of the two structures are in well-maintained lawns. Photographs of the Project area are located in Appendix B.

The Project meets the requirements for a Construction Notice ("CN") because it is within the types of projects defined by Item 5 of Appendix A to O.A.C. 4906-1-01, *Application Requirement Matrix For Electric Power Transmission Lines*:

- (5) Replacement or relocation of an electric power transmission line and associated facilities where the project is required by publicly funded entities and is located on or adjacent to right-of-way or land owned by the public entity requiring the project.*

The Project has been assigned PUCO Case No. 18-1386-EL-BNR.

B(2) Statement of Need

If the proposed project is an electric power transmission line or gas or natural gas transmission line, a statement explaining the need for the proposed facility.

This Project is being driven by the City of Columbus in order to facilitate the City's modification of an existing intersection. This Project was not shared with PJM because it has no impact on the transmission system or its topology. It was not included in AEP Ohio Transco's LTFR because the Project does not involve

the construction of a new transmission line. ODOT did have oversight over this Project as a “local let” project and a Categorical Exclusion Level 1 document was completed. Structures 154-10 and 154-11 are moving approximately 65 feet and 45 feet, respectively.

B(3) Project Location

The applicant shall provide the location of the project in relation to existing or proposed lines and substations shown on an area system map of sufficient scale and size to show existing and proposed transmission facilities in the project area.

The two structures that are being relocated are on the east side of the intersection of Worthington Road/Orion Place and Olde Worthington Road. This is just southeast of the Polaris Parkway and I-71 interchange. Figure 1 identifies the Project location within the City of Columbus, Delaware County, Ohio.

B(4) Alternatives Considered

The applicant shall describe the alternatives considered and reasons why the proposed location or route is best suited for the proposed facility. The discussion shall include, but not be limited to, impacts associated with socioeconomic, ecological, construction, or engineering aspects of the project.

There were no other alternatives considered for this Project. Based on the scope of the Project to expand the intersection, it was not reasonable to study other options. The proposed Project has the fewest impacts and is the most cost-effective solution to achieve the desired electrical configuration.

B(5) Public Information Program

The applicant shall describe its public information program to inform affected property owners and tenants of the nature of the project and the proposed timeframe for project construction and restoration activities.

AEP Ohio Transco informs affected property owners and tenants about its projects through several different mediums. Within seven days after filing this CN, AEP Ohio Transco will mail a letter, via first class mail, to elected officials and contiguous owners. The letter complies with all the requirements of O.A.C. 4906-6-08(B). AEP Ohio Transco also maintains a website (<http://aeptransmission.com/ohio/>), which provides the public access to an electronic copy of this CN. A paper or electronic copy of the CN will be served to elected officials, and a paper copy to the public library in each political subdivision affected by this proposed Project. The proposed Project is on the the City of Columbus website at <http://www.cmtran.com/portfolio/polaris-parkway-arterial-street-rehabilitation>.

B(6) Construction Schedule

The applicant shall provide an anticipated construction schedule and proposed in-service date of the project.

The Project is anticipated to begin the last week of November 2018 and should be completed by March 2019.

B(7) Area Map

The applicant shall provide a map of at least 1:24,000 scale clearly depicting the facility with clearly marked streets, roads, and highways, and an aerial image.

Figure 1 and Figure 2 identify the location of the Project and the associated changes that will be occurring to the intersection. The Project area is southeast of the I-71 and Polaris Parkway intersection in Columbus, Delaware County, Ohio. The land use in the area surrounding the Project is primarily commercial in nature.

B(8) Property Agreements

The applicant shall provide a list of properties for which the applicant has obtained easements, options, and/or land use agreements necessary to construct and operate the facility and a list of the additional properties for which such agreements have not been obtained.

New or Supplemental easements are required for the relocation of these two structures. The following parcels will have new or supplemental easements, 31844302024000, 31844301032000, and 999999490000000, in Delaware County, Columbus, Ohio. No other property easements, options, or land use agreements are necessary to construct the Project or operate the transmission line.

B(9) Technical Features

The applicant shall describe the following information regarding the technical features of the Project:

B(9)(a) Operating characteristics, estimated number and types of structures required, and right-of-way and/or land requirements.

This Project will relocate two wooden monopoles with two steel monopoles. The new structures will be approximately the same height and will have the same operating characteristics as those currently in place. All of the proposed work will occur within supplemental AEP easements.

B(9)(b) Electric and Magnetic Fields

For electric power transmission lines that are within one hundred feet of an occupied residence or institution, the production of electric and magnetic fields during the operation of the proposed electric power transmission line. The discussion shall include:

B(9)(b)(i) Calculated Electric and Magnetic Field Strength Levels

This section is not applicable because there are no residences or institutions within 100 feet of the proposed structure relocations.

B(9)(b)(ii) Design Alternatives

A discussion of the applicant's consideration of design alternatives with respect to electric and magnetic fields and their strength levels, including alternate conductor configuration and phasing, tower height, corridor location, and right-of-way width.

This section is not applicable because there are no residences or institutions within 100 feet of the proposed structure relocations.

B(9)(b)(ii)(c) Project Cost

The estimated capital cost of the project.

The capital cost estimate for the proposed Project, comprised of applicable tangible and capital costs, is approximately \$450,000, using a Class 4 estimate. The City of Columbus will reimburse AEP Ohio Transco for its costs associated with this Project as part of the intersection improvement project.

B(10) Social and Economic Impacts

The applicant shall describe the social and ecological impacts of the project.

B(10)(a) Operating Characteristics

Provide a brief, general description of land use within the vicinity of the proposed project, including a list of municipalities, townships, and counties affected.

The Project is located in the City of Columbus, Delaware County, Orange Township, Ohio. The land use is entirely commercial within the proposed Project area.

B(10)(b) Agricultural Land Information

Provide the acreage and a general description of all agricultural land, and separately all agricultural district land, existing at least sixty days prior to submission of the application within the potential disturbance area of the project.

No agricultural land will be impacted by this Project.

B(10)(c) Archaeological and Cultural Resources

Provide a description of the applicant's investigation concerning the presence or absence of significant archeological or cultural resources that may be located within the potential disturbance area of the project, a statement of the findings of the investigation, and a copy of any document produced as a result of the investigation.

No cultural resources are anticipated to be impacted by this Project. The Project area has been extensively altered by commercial development and roadways within the Project area.

B(10)(d) Local, State, and Federal Agency Correspondence

Provide a list of the local, state, and federal governmental agencies known to have requirements that must be met in connection with the construction of the project, and a list of documents that have been or are being filed with those agencies in connection with siting and constructing the project.

ODOT has reviewed the City of Columbus's roundabout project. The impacts associated with AEP Ohio Transco's Project involve a few trees and two new structure foundations. AEP Ohio Transco is not engaging any state or federal agencies besides the OPSB regarding this Project.

B(10)(e) Threatened, Endangered, and Rare Species

Provide a description of the applicant's investigation concerning the presence or absence of federal and state designated species (including endangered species, threatened species, rare species, species proposed for listing, species under review for listing, and species of special interest) that may be located within the potential disturbance area of the project, a statement of the findings of the investigation, and a copy of any document produced as a result of the investigation.

AEP Ohio Transco will clear only a few trees as part of the Project, and they will be cleared in the approved bat clearing window defined by USFWS. AEP Ohio Transco did not coordinate with USFWS or ODNR as part of this Project. There were no streams or wetlands within the Project area that will be impacted by the structure relocations. Both structures are being relocated onto maintained grass lawns on the same property owners that the structures are currently located. No impacts to threatened, endangered, or rare species are anticipated with respect to this Project.

B(10)(f) Areas of Ecological Concern

Provide a description of the applicant's investigation concerning the presence or absence of areas of ecological concern (including national and state forests and parks, floodplains, wetlands, designated or proposed wilderness areas, national and state wild and scenic rivers, wildlife areas, wildlife refuges, wildlife management areas, and wildlife sanctuaries) that may be located within the potential disturbance area of the project, a statement of the findings of the investigation, and a copy of any document produced as a result of the investigation.

There were no streams or wetlands within the Project area that will be impacted by the structure relocations. Both structures are being relocated onto maintained grass lawns on the same property owners on which the structures are currently located.

B(10)(g) Unusual Conditions

Provide any known additional information that will describe any unusual conditions resulting in significant environmental, social, health, or safety impacts.

To the best of AEP Ohio Transco's knowledge, no unusual conditions exist that would result in significant environmental, social, health, or safety impacts.

FIGURE 1

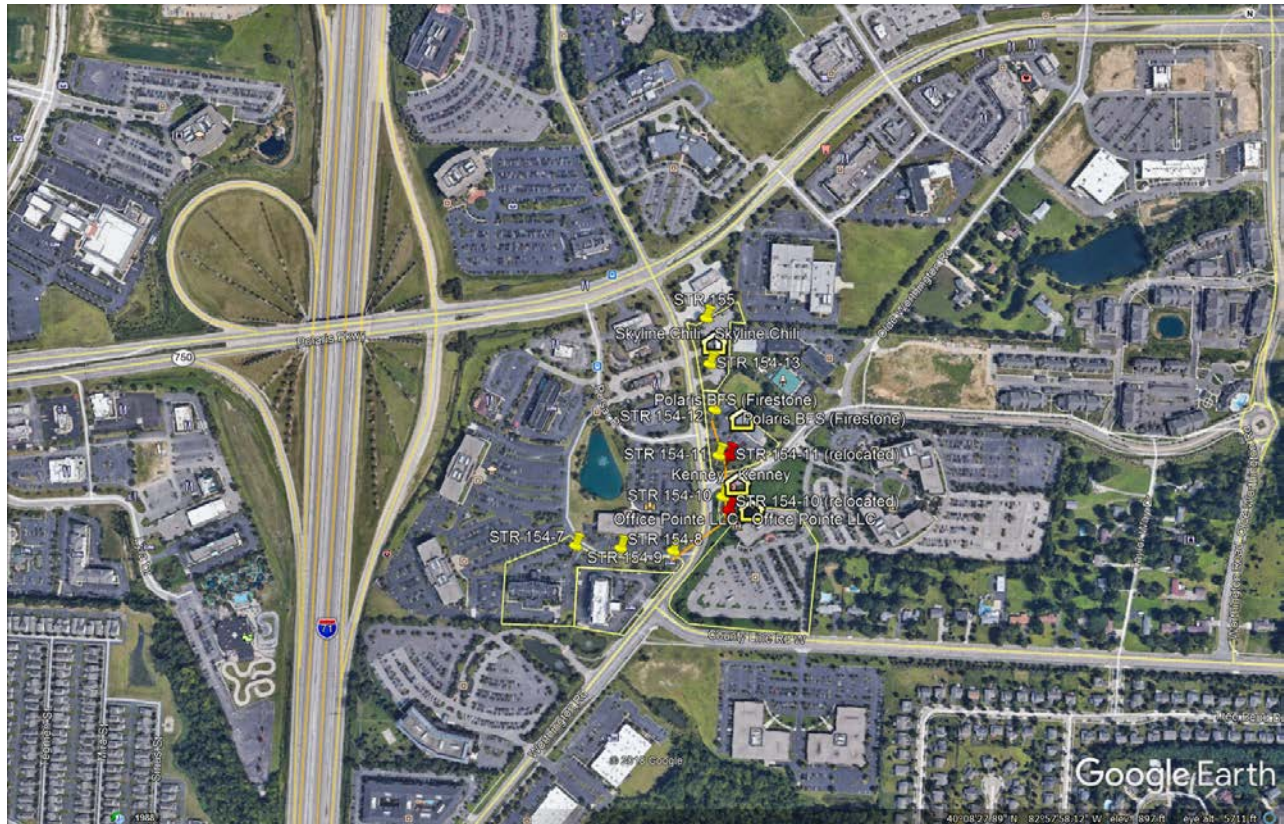
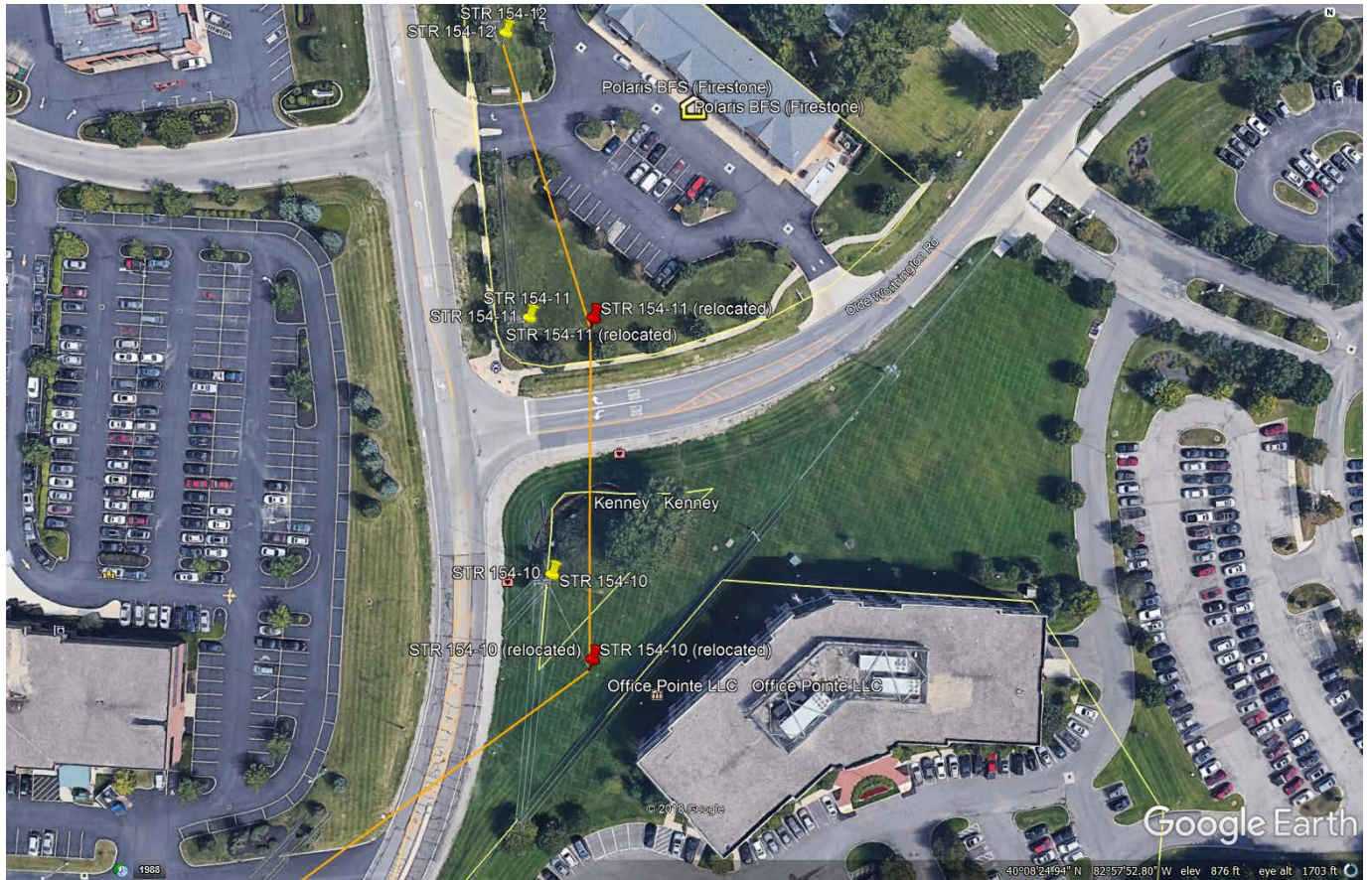


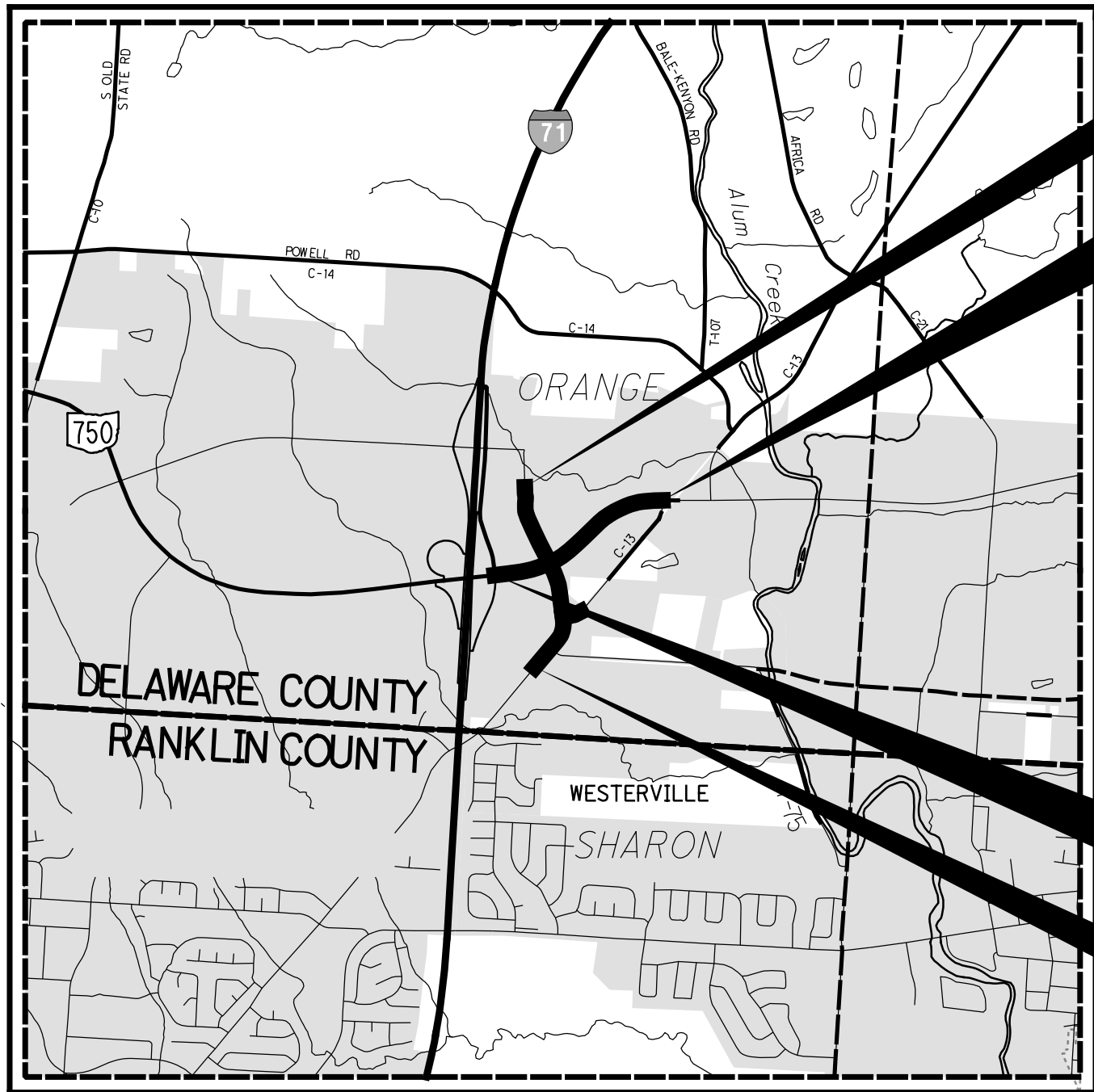
FIGURE 2



APPENDIX A

City of Columbus Plans Excerpt

P:\CMT\TR\0002_Polaris\95549\roadway\sheet\95549GT001.dgn Sheet 4/9/2018 10:33:40 AM CMT004



LOCATION MAP

P.O.B. LATITUDE: 40°08'40" N LONGITUDE: 82°57'50" W



PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATIONS				
	POLARIS PKWY.	ORION PL. (N)	ORION PL. (S)	OLDE WORTH. RD.
CURRENT ADT (2019)	45070	8720	16200	5090
DESIGN YEAR ADT (2039)	61100	16510	20220	5740
DESIGN HOURLY VOLUME (2039)	6530	1950	2030	640
DIRECTIONAL DISTRIBUTION	51%	56.5%	52%	51%
TRUCKS (24 HOUR B&C)	1%	1%	1%	1%
DESIGN SPEED	45 MPH	45 MPH	45 MPH	30 MPH
LEGAL SPEED	45 MPH	45 MPH	45 MPH	30 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	URB. PRINC. ART.	URBAN COLLECTOR	URBAN COLLECTOR	URBAN COLLECTOR
NHS PROJECT	YES	NO	NO	NO
DESIGN EXCEPTIONS	NONE REQUIRED	NONE REQUIRED	NONE REQUIRED	NONE REQUIRED

PLAN PREPARED BY:



ENGINEERS SEAL: (SIGNALS)	ENGINEERS SEAL: (ROADWAY)
SIGNED: <i>Neal A. Underwood</i>	SIGNED: <i>Kyle A. Messaros</i>
DATE: 4-9-2018	DATE: 4-9-2018

CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC SERVICE DIVISION OF DESIGN AND CONSTRUCTION ARTERIAL STREET REHABILITATION - POLARIS PARKWAY DELAWARE COUNTY

INDEX OF SHEETS:

TITLE SHEET	1
SCHEMATIC PLAN	2
ROUNDBOUT GEOMETRIC LAYOUT	3-4
TYPICAL SECTIONS	5-12
GENERAL NOTES	13-16
MAINTENANCE OF TRAFFIC	17-123
GENERAL SUMMARY	124-128
SUBSUMMARIES	129-132
CALCULATIONS	133-134
POST-CONSTRUCTION STORM WATER POLLUTION CONTROL FACILITIES	135-137
STORM WATER POLLUTION PREVENTION PLAN	138-149
PLAN AND PROFILE - POLARIS PARKWAY	150-165
PLAN AND PROFILE - ORION PLACE (NORTH)	166-169
PLAN AND PROFILE - ORION PLACE (SOUTH)/WORTHINGTON ROAD	170-178
PLAN AND PROFILE - OLDE WORTHINGTON ROAD	179-180
CROSS SECTIONS - POLARIS PARKWAY	181-197
CROSS SECTIONS - ORION PLACE (NORTH)	198-202
CROSS SECTIONS - ORION PLACE (SOUTH)/WORTHINGTON ROAD	203-216
CROSS SECTIONS - OLDE WORTHINGTON ROAD	217-219
SUPERELEVATION TABLES	220-221
PAVEMENT DETAILS	222-225
SPLITTER ISLAND LAYOUT PLAN & DETAILS	226-228
ROADWAY PROFILES	229-234
INTERSECTION & CURB RAMP DETAILS	235-242
DRIVE DETAILS	243-248
STORM SEWER PROFILES	249-266
SURVEY COORDINATE DATA - STORM	267-269
WATER PLAN AND PROFILE	270-281
SURVEY COORDINATE DATA - WATER	282-283
RETAINING WALLS	284-287
TRAFFIC CONTROL	288-310
TRAFFIC SIGNALS	311-343
LIGHTING	344-359
LANDSCAPING	360-373
RIGHT-OF-WAY	374-427

COLUMBUS STANDARD CONSTRUCTION DRAWINGS															
1441	12/1/14	2166	6/1/13	2332	6/1/13	4105	8/10/17	4202	8/10/17	L-6306	5/14/13	L-6640	5/16/13	AA-S128	8/8/14
1500	9/15/15	2179	6/1/13	4000	8/10/17	4110	8/10/17	4205	5/1/14	L-6309A	5/14/13	L-7102A	11/5/15	AA-S129	12/6/13
1510	9/15/15	2185	12/1/13	4001	8/1/15	4120	8/10/17	4230	8/1/15	L-6309B	5/14/13	L-7102B	11/5/15	AA-S133A	8/8/14
1511	9/15/15	2191	6/1/13	4020	5/1/14	4122	5/1/14	4250	5/1/14	L-6309E	5/14/13	L-7102C	11/5/15	AA-S133B	8/8/14
1520	9/15/15	2203	12/1/14	4021	8/10/17	4160	2/14/18	4251	5/1/14	L-6310	5/14/13	L-7401	11/5/15	AA-S139	12/6/13
1540	9/15/15	2230	6/1/13	4022	8/10/17	4161	8/1/15	4253	5/1/14	L-6311	5/14/13	L-9901	11/5/15	AA-S165	7/9/12
1550	9/15/15	2300	6/1/14	4023	8/10/17	4162	8/10/17	4300	8/10/17	L-6312	5/14/13	AA-S102	12/6/13		
2000	6/1/14	2303	6/1/13	4024	8/10/17	4163	8/10/17	4330	8/10/17	L-6316A	5/14/13	AA-S106	7/9/12		
2030	6/1/13	2310	6/1/14	4050	8/10/17	4170	8/10/17	4332	5/1/14	L-6316B	5/14/13	AA-S112	12/6/13		
2160	6/1/13	2319	6/1/13	4101	8/10/17	4200	8/1/15	4333	5/1/14	L-6320	5/15/13	AA-S125A	8/8/14		
2161	6/1/13	2331	6/1/13	4104	8/10/17	4201	8/1/15	L-1001	5/14/13	L-6637A	5/16/13	AA-S125B	8/8/14		
ODOT STANDARD CONSTRUCTION DRAWINGS								COLUMBUS SUPPLEMENTAL SPECIFICATIONS				ODOT SUPPLEMENTAL SPECIFICATIONS			
BP-3.1	7/18/14	MT-99.20	7/21/17	TC-41.30	10/18/13	TC-81.21	7/15/16	1100	11/1/17			800	10/19/18		
BP-5.1	7/19/13	RM-1.1	7/18/14	TC-41.50	10/18/13	TC-83.20	7/21/17	1551	3/1/04						
CB-2.3	1/15/16	RM-3.1	7/19/13	TC-42.20	10/18/13	TC-85.10	7/21/17	1611	2/1/13						
I-1.1	1/15/16	TC-7.65	1/15/16	TC-51.11	1/15/16	TC-85.20	1/15/16	1630	11/13/09						
DM-1.1	7/21/17	TC-15.115	10/18/13	TC-51.12	1/15/16	TC-85.22	1/19/18	1650	2/1/12						
DM-2.1	1/18/13	TC-22.20	1/17/14	TC-52.10	10/18/13										
MT-97.11	1/20/17	TC-41.20	10/18/13	TC-52.20	1/19/18										

PROJECT DESCRIPTION

PROJECT CONSISTS OF THE WIDENING OF 0.57 MILE OF POLARIS PARKWAY FROM I.R. 71 TO OLDE WORTHINGTON ROAD TO PROVIDE A THIRD THROUGH LANE IN BOTH DIRECTIONS. THE PROJECT ALSO INCLUDES THE FULL DEPTH REPLACEMENT OF 0.39 MILE OF WORTHINGTON ROAD/ORION PLACE INCLUDING THE CONSTRUCTION OF A TWO-LANE ROUNDBOUT AT THE INTERSECTION OF OLDE WORTHINGTON ROAD. NUMEROUS OTHER IMPROVEMENTS INCLUDING TRAFFIC SIGNAL REPLACEMENT, SIDEWALK AND SHARED-USED PATHS, RETAINING WALL CONSTRUCTION, LANDSCAPING AND STREET LIGHTING ARE PART OF THIS PROJECT.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	12.81 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	3.24 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	16.05 ACRES

2012 SPECIFICATIONS

THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC), 2012 EDITION INCLUDING ALL REVISIONS AND SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THIS PLAN UNLESS NOTED OTHERWISE.

CITY OF COLUMBUS APPROVALS

CITY OF COLUMBUS SIGNATURES ON THIS PLAN SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

DESIGN SECTION ENGINEER, DIVISION OF DESIGN AND CONSTRUCTION _____ DATE _____

ADMINISTRATOR, DIVISION OF POWER _____ DATE _____

ADMINISTRATOR, DIVISION OF SEWERAGE AND DRAINAGE _____ DATE _____

ADMINISTRATOR, DIVISION OF WATER _____ DATE _____

DIRECTOR, DEPARTMENT OF PUBLIC UTILITIES _____ DATE _____

FIRE PREVENTION BUREAU, DIVISION OF FIRE _____ DATE _____

ENGINEERING SUPERVISOR, DEPARTMENT OF TECHNOLOGY _____ DATE _____

DIRECTOR, DEPARTMENT OF RECREATION AND PARKS _____ DATE _____

CITY ENGINEER/ADMINISTRATOR, DIVISION OF DESIGN AND CONSTRUCTION _____ DATE _____

DIRECTOR, DEPARTMENT OF PUBLIC SERVICE _____ DATE _____

CITY ENGINEER (CITY OF WESTERVILLE) _____ DATE _____

DIRECTOR OF PUBLIC SERVICE (CITY OF WESTERVILLE) _____ DATE _____

CITY MANAGER (CITY OF WESTERVILLE) _____ DATE _____



REV. NO.	REVISION DESCRIPTION	SHEET(S)	INITIAL	DATE

3221-E

HORIZONTAL/VERTICAL CONTROL & BENCHMARKS - GROUND COORDINATES							
ROUTE	STATION	OFFSET (FT)	SIDE	NORTHING	EASTING	ELEVATION	DESCRIPTION
POLARIS	154+20.35	61.44	LT.	173656.93	1837168.62	915.63	TBM #1 (I.P.S.)
POLARIS	158+38.64	63.95	LT.	173706.64	1837582.76	900.57	TBM #2 (I.P.S.)
POLARIS	163+49.15	90.15	LT.	173864.16	1838043.78	884.60	TBM #3 (I.P.S.)
POLARIS	167+48.96	4.93	RT.	173981.06	1838426.95	873.79	TBM #4 (I.P.S.)
POLARIS	173+55.34	82.31	LT.	174455.18	1838812.51	870.38	TBM #5 (I.P.S.)
POLARIS	179+13.88	8.35	RT.	174717.99	1839320.26	864.59	TBM #6 (I.P.S.)
POLARIS	184+13.80	6.96	LT.	174866.33	1839795.00	859.56	TBM #7 (I.P.S.)
POLARIS	402+19.31	3.47	RT.	174866.63	1840252.77	849.86	TBM #8 (I.P.S.)
ORION (N)	16+54.96	43.12	RT.	174411.91	1837880.87	878.86	TBM #9 (I.P.S.)
ORION (S)	4+62.05	51.62	LT.	173384.01	1838346.12	884.32	TBM #10 (I.P.S.)
WORTH.	11+73.58	51.68	LT.	172656.57	1838405.53	890.61	TBM #11 (I.P.S.)
WORTH.	16+64.76	72.46	LT.	172224.46	1838132.15	892.16	TBM #12 (I.P.S.)

PROJECT SCALE FACTOR: 0.99996845

SOURCE BENCHMARK:

THE PROJECT SOURCE BENCHMARK IS A NATIONAL GEODETIC SURVEY BENCHMARK DISK SENT INTO THE ABUTMENT OF THE RAILROAD BRIDGE OVER LAZELLE ROAD. THE BENCH MARK DESIGNATION IS C 308, AND HAS A PID# KZ1588, AND AN OFFICIAL ELEVATION OF 937.84.

STA. 164+00.00 C CONSTRUCTION & R/W POLARIS PARKWAY =
STA. 10+00.00 C CONSTRUCTION & R/W ORION PLACE (NORTH)
STA. 0+00.00 C CONSTRUCTION & R/W ORION PLACE (SOUTH)

STA. 161+00.00 C CONSTRUCTION & R/W POLARIS PARKWAY =
STA. 9+60.09 C CONSTRUCTION & R/W PULSAR PLACE (PRIVATE)

OVERHEAD SIGN
TO BE MODIFIED

BEGIN WORK
STA. 139+17.00

BEGIN PROJECT
STA. 155+25.00
S.L.M. 2.95

FEDERAL PROJECT
NO. E130 (728)

CURVE DATA - POLARIS PARKWAY
P.I. STA. 7+03.98
 $\Delta = 25^\circ 13' 44''$ (LT)
 $Dc = 11^\circ 41' 35''$
 $R = 490.00'$
 $T = 109.66'$
 $L = 215.76'$
 $E = 12.12'$

CURVE DATA - PULSAR PLACE
P.I. STA. 5+38.41
 $\Delta = 32^\circ 58' 54''$ (RT)
 $Dc = 28^\circ 38' 52''$
 $R = 200.00'$
 $T = 59.21'$
 $L = 115.13'$
 $E = 8.58'$

C CONSTRUCTION
& R/W PULSAR PLACE
CURVE DATA - PULSAR PLACE
P.I. STA. 3+44.86
 $\Delta = 73^\circ 49' 53''$ (RT)
 $Dc = 22^\circ 55' 06''$
 $R = 250.00'$
 $T = 187.81'$
 $L = 322.15'$
 $E = 62.69'$

CURVE DATA -
WORTHINGTON ROAD
P.I. STA. 11+94.52
 $\Delta = 47^\circ 31' 14''$ (RT)
 $Dc = 12^\circ 49' 39''$
 $R = 446.66'$
 $T = 196.63'$
 $L = 370.46'$
 $E = 41.37'$

STA. 7+40.00 C CONSTRUCTION & R/W ORION PLACE =
STA. 0+00.00 C CONSTRUCTION & R/W PULSAR PLACE (PRIVATE)

STA. 9+53.62 C CONSTRUCTION & R/W WORTHINGTON ROAD =
STA. 0+00.00 C CONSTRUCTION & R/W OLDE WORTHINGTON ROAD

STA. 400+17.92 C CONSTRUCTION & R/W POLARIS PARKWAY =
STA. 26+99.79 C CONSTRUCTION & R/W OLDE WORTHINGTON ROAD

CURVE DATA - OLDE WORTHINGTON ROAD
P.I. STA. 24+75.58
 $\Delta = 39^\circ 31' 30''$ (LT)
 $Dc = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 179.64'$
 $L = 344.92'$
 $E = 31.29'$

CURVE DATA - POLARIS PARKWAY
P.I. STA. 164+02.19
 $\Delta = 37^\circ 21' 45''$ (LT)
 $Dc = 3^\circ 15' 00''$
 $R = 1,762.95'$
 $T = 596.08'$
 $L = 1,149.62'$
 $E = 98.05'$

C CONSTRUCTION & R/W ORION PLACE
CURVE DATA - ORION PLACE
P.I. STA. 3+56.68
 $\Delta = 18^\circ 09' 53''$ (RT)
 $Dc = 6^\circ 21' 58''$
 $R = 900.00'$
 $T = 143.87'$
 $L = 285.33'$
 $E = 11.43'$

CURVE DATA - POLARIS PARKWAY
P.I. STA. 180+25.05
 $\Delta = 43^\circ 09' 02''$ (RT)
 $Dc = 4^\circ 00' 00''$
 $R = 1,432.39'$
 $T = 566.41'$
 $L = 1,078.76'$
 $E = 107.92'$

CURVE DATA - OLDE WORTHINGTON ROAD
P.I. STA. 2+63.08
 $\Delta = 42^\circ 28' 46''$ (LT)
 $Dc = 16^\circ 22' 13''$
 $R = 350.00'$
 $T = 136.04'$
 $L = 259.49'$
 $E = 25.51'$

CURVE DATA - COUNTY LINE ROAD
P.I. STA. 11+83.83
 $\Delta = 36^\circ 43' 44''$ (LT)
 $Dc = 22^\circ 41' 29''$
 $R = 252.50'$
 $T = 83.82'$
 $L = 161.87'$
 $E = 13.55'$

STA. 15+70.00 C CONSTRUCTION & R/W WORTHINGTON ROAD =
STA. 10+00.00 C CONSTRUCTION & R/W COUNTY LINE ROAD

END PROJECT
STA. 399+50.00
S.L.M. 3.52

END WORK
STA. 404+70.45

FEDERAL PROJECT
NO. E130 (728)



SCALE IN FEET
HORIZONTAL
VERTICAL

CALCULATED
KAM
CHECKED
MDW

SCHEMATIC PLAN

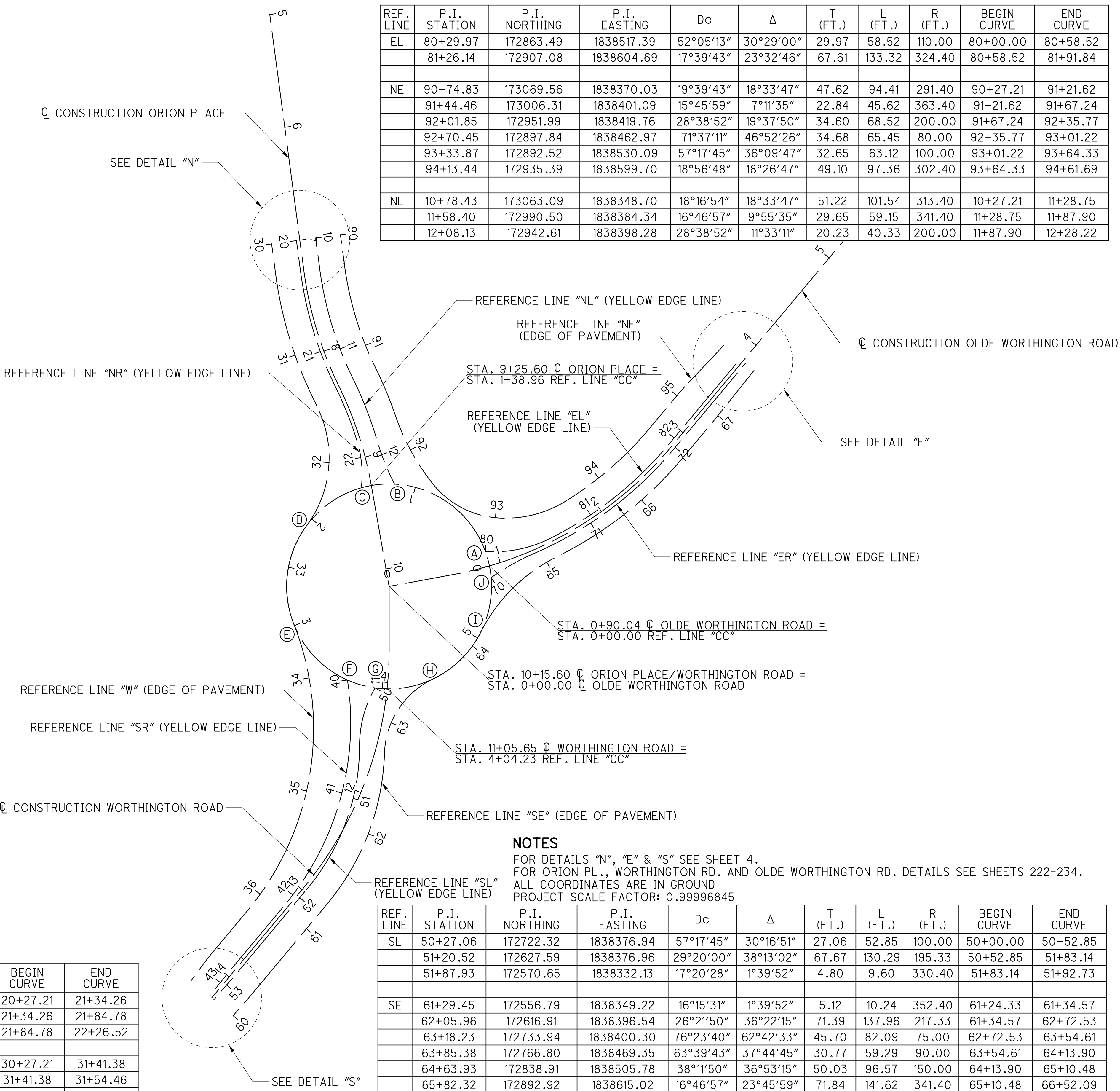
ARTERIAL STREET
REHABILITATION -
POLARIS PARKWAY

2
427

3221-E

* CENTER OF ROUNDABOUT		
STA. 10+15.60 @ CONSTRUCTION ORION PLACE (SOUTH) =		
STA. 0+00.00 @ CONSTRUCTION OLDE WORTHINGTON ROAD		
NORTHING = 172834.84		
EASTING = 1838402.89		
RADIUS = 90.00'		
	NORTHING	EASTING
(A) 0+13.22 CC = 80+00.00 EL	172865.55	1838487.48
(B) 1+18.42 CC = 12+28.22 NL	172924.71	1838407.71
(C) 1+47.97 CC = 22+26.52 NR	172921.47	1838378.48
(D) 2+07.26 CC = 32+59.52 W	172888.40	1838330.56
(E) 2+98.38 CC = 33+50.65 W	172801.87	1838319.15
(F) 3+68.33 CC = 40+00.00 SR	172752.61	1838366.31
(G) 3+93.65 CC = 50+00.00 SL	172745.69	1838390.58
(H) 4+45.97 CC = 63+54.61 SE	172753.58	1838441.57
(I) 5+05.26 CC = 64+13.90 SE	172794.26	1838483.22
(J) 5+54.99 CC = 70+00.00 ER	172842.46	1838492.56

REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	Dc	Δ	T (FT.)	L (FT.)	R (FT.)	BEGIN CURVE	END CURVE
NR	20+81.21	173058.09	1838332.21	17°20'28"	18°33'47"	54.00	107.05	330.40	20+27.21	21+34.26
	21+59.57	172986.90	1838367.17	17°39'43"	8°55'22"	25.31	50.52	324.40	21+34.26	21+84.78
	22+05.95	172942.50	1838380.94	57°17'45"	23°54'51"	21.18	41.74	100.00	21+84.78	22+26.52
W	30+84.80	173051.62	1838310.88	16°15'31"	18°33'47"	57.59	114.17	352.40	30+27.21	31+41.38
	31+47.92	172994.06	1838339.15	18°56'48"	2°28'37"	6.54	13.07	302.40	31+41.38	31+54.46
	32+12.42	172934.98	1838365.05	57°17'45"	60°11'54"	57.97	105.07	100.00	31+54.46	32+59.52
	33+09.42	172848.30	1838300.86	63°39'43"	58°00'44"	49.90	91.13	90.00	32+59.52	33+50.65
	34+98.99	172663.84	1838373.50	22°55'06"	61°22'01"	148.34	267.76	250.00	33+50.65	36+18.41
SR	41+12.68	172641.21	1838383.26	22°55'06"	48°31'27"	112.68	211.73	250.00	40+00.00	42+11.73



REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	Dc	Δ	T (FT.)	L (FT.)	R (FT.)	BEGIN CURVE	END CURVE
EL	80+29.97	172863.49	1838517.39	52°05'13"	30°29'00"	29.97	58.52	110.00	80+00.00	80+58.52
	81+26.14	172907.08	1838604.69	17°39'43"	23°32'46"	67.61	133.32	324.40	80+58.52	81+91.84
NE	90+74.83	173069.56	1838370.03	19°39'43"	18°33'47"	47.62	94.41	291.40	90+27.21	91+21.62
	91+44.46	173006.31	1838401.09	15°45'59"	7°11'35"	22.84	45.62	363.40	91+21.62	91+67.24
	92+01.85	172951.99	1838419.76	28°38'52"	19°37'50"	34.60	68.52	200.00	91+67.24	92+35.77
	92+70.45	172897.84	1838462.97	71°37'11"	46°52'26"	34.68	65.45	80.00	92+35.77	93+01.22
	93+33.87	172892.52	1838530.09	57°17'45"	36°09'47"	32.65	63.12	100.00	93+01.22	93+64.33
	94+13.44	172935.39	1838599.70	18°56'48"	18°26'47"	49.10	97.36	302.40	93+64.33	94+61.69
NL	10+78.43	173063.09	1838348.70	18°16'54"	18°33'47"	51.22	101.54	313.40	10+27.21	11+28.75
	11+58.40	172990.50	1838384.34	16°46'57"	9°55'35"	29.65	59.15	341.40	11+28.75	11+87.90
	12+08.13	172942.61	1838398.28	28°38'52"	11°33'11"	20.23	40.33	200.00	11+87.90	12+28.22

REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	Dc	Δ	T (FT.)	L (FT.)	R (FT.)	BEGIN CURVE	END CURVE
SL	50+27.06	172722.32	1838376.94	57°17'45"	30°16'51"	27.06	52.85	100.00	50+00.00	50+52.85
	51+20.52	172627.59	1838376.96	29°20'00"	38°13'02"	67.67	130.29	195.33	50+52.85	51+83.14
	51+87.93	172570.65	1838332.13	17°20'28"	1°39'52"	4.80	9.60	330.40	51+83.14	51+92.73
SE	61+29.45	172556.79	1838349.22	16°15'31"	1°39'52"	5.12	10.24	352.40	61+24.33	61+34.57
	62+05.96	172616.91	1838396.54	26°21'50"	36°22'15"	71.39	137.96	217.33	61+34.57	62+72.53
	63+18.23	172733.94	1838400.30	76°23'40"	62°42'33"	45.70	82.09	75.00	62+72.53	63+54.61
	63+85.38	172766.80	1838469.35	63°39'43"	37°44'45"	30.77	59.29	90.00	63+54.61	64+13.90
	64+63.93	172838.91	1838505.78	38°11'50"	36°53'15"	50.03	96.57	150.00	64+13.90	65+10.48
	65+82.32	172892.92	1838615.02	16°46'57"	23°45'59"	71.84	141.62	341.40	65+10.48	66+52.09
ER	70+21.70	172855.12	1838510.19	28°38'52"	12°23'11"	21.70	43.24	200.00	70+00.00	70+43.24
	71+21.81	172894.82	1838602.26	17°20'28"	26°45'09"	78.57	154.27	330.40	70+43.24	71+97.51

APPENDIX B

PHOTOGRAPHS



Photo 1: View from proposed structure 154-11 toward existing structure 154-11



Photo 2: View from existing structure 154-11 toward proposed structure location



**Photo 3: View of existing
structure 154-10**

**Photo 4: View toward proposed structure
154-10 location**



Photo 5: View of both structures that will be replaced



This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

10/31/2018 1:35:30 PM

in

Case No(s). 18-1386-EL-BNR

Summary: Notice - Construction Notice Application of AEP Ohio Transmission Company, Inc. for Hyatt-Genoa 138kV Structure Replacement Project electronically filed by Ms. Christen M. Blend on behalf of AEP Ohio Transmission Power Company, Inc.