

JEF-22-(13.83)(14.71)

MODEL: Sheet PAPER: 34x22 (in.) DATE: 11/17/2023 TIME: 8:53:18 AM USER: bhovanic pvc:\ohio-dot-pw-bentley.com\ohio-dot-pw-02\Documents\01 Active Projects\District 11\Jefferson\111667\400-Engineering\Roadway\Sheets\111667_GN001.dgn

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

JEF-22-13.83

AEP OHIO POWER COMPANY
ATTN: CLARKE SAUNDERS
777 HOPEWELL DRIVE
HEATH, OHIO 43056
614-460-4794
CMSAUNDERS@AEP.COM

HORIZON NETWORK PARTNERS

ATTN: JIM LUMP
1123 GOODALE BLVD
COLUMBUS, OHIO 43212
740-703-8689
JIM.LUMP@HORIZONCONNECTS.COM

CITY OF STEUBENVILLE

ATTN: THE HONORABLE JERRY BARILLA
115 SOUTH THIRD STREET,
STEUBENVILLE, OHIO 43952
740-283-6000 EXT. 1000
MAYOR@CITYOFSTEUBENVILLE.US

JEF-22-14.71

AEP OHIO POWER COMPANY (SEE CONTACT ABOVE)

JEFFERSON COUNTY WATER AND SEWER

ATTN: MIKE EROSHEVICH
P.O. BOX 2579
WINTERSVILLE, OHIO 43953
740-283-8577
MEROSHEVICH@JCWATERSEWER.COM

CITY OF STEUBENVILLE (SEE CONTACT ABOVE)

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

EXISTING PLANS

THE FOLLOWING EXISTING PLANS ARE AVAILABLE FOR REFERENCE AT THE DISTRICT 11 OFFICE OF THE OHIO DEPARTMENT OF TRANSPORTATION, 2201 REISER AVE. S.E., NEW PHILADELPHIA, OHIO, 44663:

- JEF-22-13.24 (1990)
- JEF-22-13.90 (1990)

IN ADDITION, THE EXISTING PLANS CAN BE FOUND ON THE DEPARTMENT'S WEBSITE AT THE FOLLOWING ADDRESS:

<https://ftp.dot.state.oh.us/pub/Contracts/Attach>

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEETS P.05 AND P.07 FOR TABLES CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS
MONUMENT TYPE: TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD 83 (2011)
ELLIPSOID: GRS 1980
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, NORTH ZONE
COMBINED SCALE FACTOR: 1.00000000
ORIGIN OF COORDINATE SYSTEM: (0,0)

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET

ENDANGERED BAT HABITAT REMOVAL

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

ITEM SPECIAL - PIPE CLEANOUT OVER 48"

THIS WORK SHALL CONSIST OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS PER 105.16 AND 105.17. CLEAN OUT TO THE APPROVAL OF THE ENGINEER.

CLEANOUT OF THE PIPE SHALL BE PAID FOR AT THE UNIT BID PRICE PER FOOT FOR ITEM SPECIAL - PIPE CLEANOUT OVER 48". THIS PRICE SHALL INCLUDE THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 607 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN SUBMITTING FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
OBSTRUCTION EVALUATION GROUP
10101 HILLWOOD PARKWAY
FORT WORTH, TX 76177
FAX: (817) 222-5920
HTTP://CEAAA.FAA.GOV

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF AVIATION
2829 WEST DUBLIN-GRANVILLE ROAD
COLUMBUS, OHIO 43235
OHIO.AIRPORT.PROTECTION@DOT.OHIO.GOV

ITEM 601 - RIPRAP, TYPE D, AS PER PLAN

THIS WORK SHALL FOLLOW THE SPECIFICATIONS OF ITEM 601 EXCEPT THAT THE PROPOSED CONCRETE RIPRAP SHALL BE REINFORCED WITH No. 3 BARS SPACED AT 24" ON CENTER.

IN ADDITION, THE CONTRACTOR SHALL PROVIDE DOWELING BETWEEN THE EXISTING AND PROPOSED CONCRETE RIPRAP AT THE COLD JOINT AS SHOWN IN THE PLANS. THE DOWELS SHALL BE No. 3 BARS SPACED AT 24" AND SHALL BE EMBEDDED AT A MINIMUM OF 12" INTO THE EXISTING CONCRETE RIPRAP. THE CONTRACTOR SHALL THEN SEAL THE JOINT PER C&MS 516.06.

ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NEEDED TO COMPLETE THE ABOVE DESCRIBED WORK SHALL BE INCLUDED IN THE UNIT BID PRICE PER SQUARE YARD FOR ITEM 601 - RIPRAP, TYPE D, AS PER PLAN.

ITEM 503 - COFFERDAMS AND EXCAVATION BRACING

ITEM 503, COFFERDAMS AND EXCAVATION BRACING HAS BEEN PROVIDED FOR THE FOLLOWING LOCATIONS:

- JEF-22-13.83
- JEF-22-14.71

THIS ITEM IS TO BE USED FOR THE NECESSARY COFFERDAMS NEEDED WITH BYPASS PUMPING AT THE LOCATIONS LISTED ABOVE. A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 503, COFFERDAMS AND EXCAVATION BRACING.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

ITEM 659 - SOIL ANALYSIS TEST

- JEF-22-13.83: 193 C.Y. x 1 TEST/10000 C.Y. = 0.019 EACH (MIN. 2 TESTS)
- JEF-22-14.71: 163 C.Y. x 1 TEST/10000 C.Y. = 0.016 EACH (MIN. 2 TESTS)
- TOTAL = 4 EACH

ITEM 659 - TOPSOIL

- JEF-22-13.83: 1740 S.Y. x 111 C.Y./1000 S.Y. = 193.14 C.Y.
- JEF-22-14.71: 1465 S.Y. x 111 C.Y./1000 S.Y. = 162.62 C.Y.
- TOTAL = 355.76 C.Y. (USE 356 C.Y.)

ITEM 659 - SEEDING AND MULCHING

- JEF-22-13.83: CADD AREA = 15,664 S.F. / 9 = 1,740.44 S.Y.
- JEF-22-14.71: CADD AREA = 13,189 S.F. / 9 = 1,465.44 S.Y.
- TOTAL = 3,205.88 S.Y. (USE 3,206 S.Y.)

ITEM 659 - REPAIR SEEDING AND MULCHING

- JEF-22-13.83: 1740 S.Y. x 0.05 = 87.00 S.Y.
- JEF-22-14.71: 1465 S.Y. x 0.05 = 73.25 S.Y.
- TOTAL = 160.25 S.Y. (USE 160 S.Y.)

ITEM 659 - COMMERCIAL FERTILIZER

- JEF-22-13.83: 1740 S.Y. x 9 x 30 LB/1000 S.F. x 1/2000 = 0.23 TON
- JEF-22-14.71: 1465 S.Y. x 9 x 30 LB/1000 S.F. x 1/2000 = 0.20 TON
- TOTAL = 0.43 TON

ITEM 659 - LIME

- JEF-22-13.83: 1740 S.Y. x 9 x 1 Ac./43560 S.F. = 0.36 ACRES
- JEF-22-14.71: 1465 S.Y. x 9 x 1 Ac./43560 S.F. = 0.30 ACRES
- TOTAL = 0.66 ACRES

ITEM 659 - WATER

- JEF-22-13.83: 1740 S.Y. x 9 x 300 Gal/1000/1000 x 2 app. = 9.40 M. GAL.
- JEF-22-14.71: 1465 S.Y. x 9 x 300 Gal/1000/1000 x 2 app. = 7.91 M. GAL.
- TOTAL = 17.31 M. GAL. (USE 20 M. GAL.)

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 202 - REMOVAL MISC.: RIPRAP REMOVED

THE CONTRACTOR SHALL REMOVE THE EXISTING RIPRAP AT THE LOCATIONS SPECIFIED IN THE PLANS PER THE REQUIREMENTS OF ITEM 202.

ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NEEDED TO COMPLETE THE ABOVE DESCRIBED WORK SHALL BE INCLUDED IN THE UNIT BID PRICE PER SQUARE YARD FOR ITEM 202 - REMOVAL MISC.: RIPRAP REMOVED.

GENERAL NOTES

DESIGN AGENCY



DESIGNER

BSH

REVIEWER

JPB 07-28-22

PROJECT ID


111667

SHEET TOTAL

P.02 9

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
P.02	P.03	P.05	P.07	P.08	P.09							01/NHS/04	EXT	TOTAL				
LS												LS	201	11000	LS		ROADWAY CLEARING AND GRUBBING	
					1							1	202	20010	1	EACH	HEADWALL REMOVED	
					18							18	202	35200	18	FT	PIPE REMOVED, OVER 24"	
				465	331							796	SPECIAL	20270130	796	FT	PIPE CLEANOUT OVER 48"	P.02
		31	82									113	202	75000	113	FT	FENCE REMOVED	
				38	11							49	202	98300	49	SY	REMOVAL MISC.: RIPRAP REMOVED	P.02
		31	82									113	607	15000	113	FT	FENCE, TYPE 47	
																	EROSION CONTROL	
					11							11	601	11000	11	SY	RIPRAP, TYPE D	
				38								38	601	11001	38	SY	RIPRAP, TYPE D, AS PER PLAN	P.02
				35	57							92	601	32010	92	CY	ROCK CHANNEL PROTECTION, TYPE A WITH AGGREGATE FILTER	
4												4	659	00100	4	EACH	SOIL ANALYSIS TEST	
356												356	659	00300	356	CY	TOPSOIL	
3,206												3,206	659	10000	3,206	SY	SEEDING AND MULCHING	
160												160	659	14000	160	SY	REPAIR SEEDING AND MULCHING	
0.43												0.43	659	20000	0.43	TON	COMMERCIAL FERTILIZER	
0.66												0.66	659	31000	0.66	ACRE	LIME	
20												20	659	35000	20	MGAL	WATER	
												10,000	832	30000	10,000	EACH	EROSION CONTROL	
LS												LS	503	11100	LS		DRAINAGE COFFERDAMS AND EXCAVATION BRACING	
					24.6							24.6	602	20000	24.6	CY	CONCRETE MASONRY	
					10							10	611	28000	10	FT	84" CONDUIT, TYPE A, 707.02	
				166								166	837	10000	166	FT	LINER PIPE, 54" ID 707.33, 707.85	
				299								299	837	10000	299	FT	LINER PIPE, 60" ID 707.33, 707.85	
					341							341	837	10000	341	FT	LINER PIPE, 66" ID 707.85	
				465	341							806	837	21000	806	FT	BACKFILL FOR LINER PIPE	
																	MAINTENANCE OF TRAFFIC	
	50											50	SPECIAL	61412200	50	FT	WORK ZONE GUARDRAIL	P.03
	3											3	614	12380	3	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
	10											10	614	13000	10	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
	25											25	614	13310	25	EACH	BARRIER REFLECTOR, TYPE 1 (ONE WAY)	
	25											25	614	13350	25	EACH	OBJECT MARKER, ONE WAY	
	10											10	616	10000	10	MGAL	WATER	
	1,030											1,030	622	41100	1,030	FT	PORTABLE BARRIER, UNANCHORED	
																	INCIDENTALS	
	LS											LS	614	11000	LS		MAINTAINING TRAFFIC	
												8	619	16010	8	MNTH	FIELD OFFICE, TYPE B	
												LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
												LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

 DESIGNER
 BSH
 REVIEWER
 JPB 04-07-23
 PROJECT ID
 111667
 SHEET TOTAL
 P.04 9