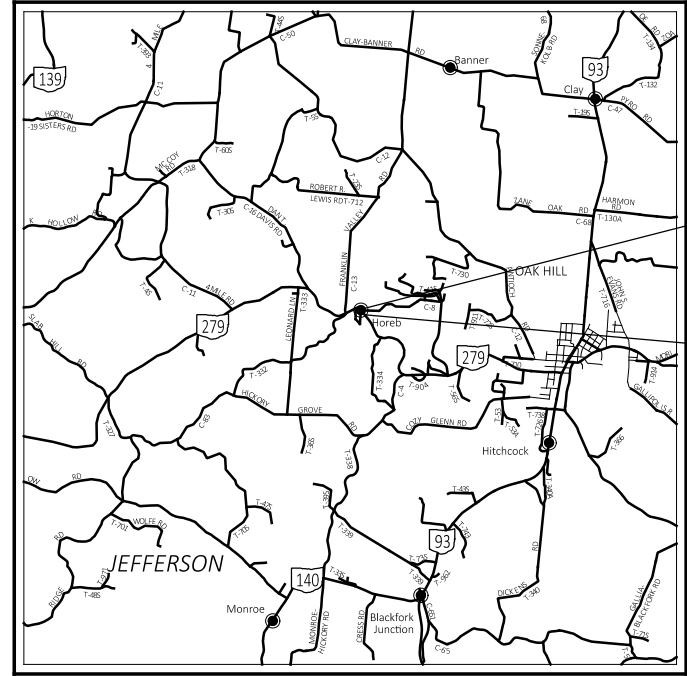


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

JAC-279-8.76

JEFFERSON TOWNSHIP JACKSON COUNTY



LOCATION MAP

LATITUDE: 38 °54'09" LONGITUDE: 82 °36'41"



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

DESIGN DESIGNATION

CURRENT ADT (2023)	-----	750
DESIGN YEAR ADT (2043)	-----	750
DESIGN HOURLY VOLUME (2043)	-----	80
DIRECTIONAL DISTRIBUTION	-----	60%
TRUCKS (24 HOUR B&C)	-----	3%
DESIGN SPEED	-----	55
LEGAL SPEED	-----	55
DESIGN FUNCTIONAL CLASSIFICATION:		
05 MAJOR COLLECTOR (RURAL)	-----	
NHS PROJECT	-----	NO

DESIGN EXCEPTIONS

NON REQUIRED

ADA DESIGN WAIVERS

NON REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811. 8-1-1. or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DISTRICT 9 ENGINEERING

ENGINEER'S SEAL:

SIGNED: *Maged P. Geroges*
DATE: 11/10/2022

INDEX OF SHEETS:

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STANDARD CONSTRUCTION DRAWINGS							SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS	
BP-3.1	1/21/22	DM-4.3	1/15/16	MT-97.10	4/19/19	TC-65.10	1/17/14	800-2019 SEE PROPOSAL	WATERWAY PERMIT
		DM-4.4	1/15/16	MT-101.60	1/17/20	TC-65.11	7/15/22	832	7/15/22
		DM-1.1	7/17/20	MT-101.90	7/17/20			902	7/19/19
		HW-2.1	7/20/18	MT-105.10	1/17/20			938	1/19/18
		HW-2.2	7/20/18						

FEDERAL PROJECT NUMBER

E191 (920)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

REPLACE THE EXISTING DEFICIENT 18" CMP WITH 30", TYPE A, CONDUIT AND MINIMAL APPROACH WORK.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.30 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.12 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES
(NOI NOT REQUIRED)

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 5 .

DISTRICT DEPUTY DIRECTOR

Michael J. ... 11-10-2022

DIRECTOR, DEPARTMENT OF TRANSPORTATION

Jack ...

TITLE SHEET

DESIGN AGENCY



DESIGNER	MPG
REVIEWER	XXX MM-DD-YY
PROJECT ID	111040
SHEET	TOTAL
P.01	14

UTILITIES

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

FRONTIER COMMUNICATIONS
MS. DENA MARTIN
1315 ALBERT STREET
PORTSMOUTH, OHIO 45662
740-354-0521

JACKSON COUNTY WATER COMPANY
P.O. BOX 309
MR. LARRY FOSTER
JACKSON, OHIO 45640
740-286-5929

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

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

ALL TREES WITHIN THE WORK LIMITS HAVE BEEN REMOVED UNDER A SEPERATE CONTRACT TO +/-4'-0" ABOVE EXISTING GROUND. ALL STUMPS THAT REMAIN ARE TO BE REMOVED. INCLUDE THE COST TO PERFORM THE ABOVE WITH THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF +/-4'-0" TALL STUMPS THAT WILL NEED TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"		10	10
30"		1	1
48"		1	1

SEEDING AND MULCHING

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

659, SEEDING AND MULCHING	840 SQ. YD.
659, REPAIR SEEDING AND MULCHING	42 SQ. YD.
659, COMMERCIAL FERTILIZER	0.11 TON
659, LIME	0.17 ACRES
659, WATER	5 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.

ENDANGERED BAT HABITAT REMOVAL

ENSURE IMPACTS TO THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT AND THE STATE LISTED AND PROTECTED LITTLE BROWN BAT AND TRICOLORED BAT ARE AVOIDED AND MINIMIZED. DO NOT REMOVE TREES FROM APRIL 1 THROUGH SEPTEMBER 30. PERFORM ALL NECESSARY TREE REMOVAL FROM OCTOBER 1 THROUGH MARCH 31. DEMARCATÉ CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE BELOW FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

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

PROJECT CONTROL

POSITIONING METHOD: GPS (VRS)
MONUMENT TYPE: IRON PIN & CAP

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO SPCS (SOUTH ZONE)
COMBINED SCALE FACTOR: 1.00006492
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.

PT#	STA	OFF	N	E	Z	DESC
SV1	459+62.62	29.40' RT	329001.598	1936761.321	860.220	IPINS
SV2	462+85.57	20.40' LT	328786.165	1937007.619	855.814	IPINS
SV3	465+06.53	21.74' RT	328583.037	1937103.622	858.054	IPINS
SV4	462+57.68	16.07' RT	328785.009	1936961.702	857.947	IPINS

EXISTING UNDERDRAINS

THERE ARE KNOWN UNDERDRAINS THAT OUTLETS AT STA. 462+30, LEFT. A PORTION OF THESE DRAINS IS TO BE REMOVED, THE REMOVAL LIMITS SHALL EXTEND APPROX. 20'. THE EXISTING UNDERDRAINS SHALL BE REMOVED IN A MANNER AS NOT TO DAMAGE THE PORTION OF THE UNDERDRAIN THAT IS TO BE PRESERVED.

THE OPTIMUM OUTLET ELEVATION OF THE PROPOSED UNDERDRAIN IS ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. THE EXISTING AND PROPOSED CONDUITS SHALL BE JOINED TOGETHER WITH A HUB X HUB ELBOW AND A MASONRY COLLAR PER SCD DM-1.1.

THE LOCATION, TYPE, SIZE AND GRADE OF REPLACEMENTS IS DETERMINED BY THE ENGINEER AND PAYMENT MADE ON FINAL MEASUREMENTS.

PROVIDE EROSION CONTROL PADS AT THE OUTLET END OF UNDERDRAINS PER STANDARD CONSTRUCTION DRAWING DM-1.1, EXCEPT WHEN THEY OUTLET INTO A DRAINAGE STRUCTURE.

ALL LABOR, EQUIPMENT, AND INCIDENTALS REQUIRED TO PERFORM THE WORK OUTLINED ABOVE SHALL BE INCLUDED IN THE FOOT CONTRACT PRICE FOR ITEM 611, 6" CONDUIT, TYPE F, AS PER PLAN UNLESS SEPARATELY ITEMIZED IN THE PLANS.

611, 6" CONDUIT, TYPE F FOR UNDERDRAINS, AS PER PLAN. 40 FT.

DESIGN AGENCY



DESIGNER
MPG

REVIEWER
XXX MM-DD-YY


PROJECT ID
111040

SHEET TOTAL
P.03 14

SHEET NUM.										PART.			ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE
3	4	7	8	13						01/STR/04			EXT	TOTAL			SHEET NO.	
										LS			201	11000	LS		ROADWAY	3
		56								56			202	35100	56	FT	PIPE REMOVED, 24" AND UNDER	
				143						143			203	10000	143	CY	EXCAVATION	
				321						321			203	20000	321	CY	EMBANKMENT	
			405							405			204	10000	405	SY	SUBGRADE COMPACTION	
																	EROSION CONTROL	
		2								2			601	32210	2	CY	ROCK CHANNEL PROTECTION, TYPE C WITH AGGREGATE FILTER	
840										840			659	10000	840	SY	SEEDING AND MULCHING	
42										42			659	14000	42	SY	REPAIR SEEDING AND MULCHING	
0.11										0.11			659	20000	0.11	TON	COMMERCIAL FERTILIZER	
0.17										0.17			659	31000	0.17	ACRE	LIME	
5										5			659	35000	5	MGAL	WATER	
										5,000			832	30000	5,000	EACH	EROSION CONTROL	
																	DRAINAGE	
										LS			503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
		12								12			602	20000	12	CY	CONCRETE MASONRY	
40										40			611	00511	40	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS, AS PER PLAN	3
		72								72			611	13200	72	FT	30" CONDUIT, TYPE A (SEE SHEET 14 FOR ALLOWABLE MATERIAL TYPES)	
																	PAVEMENT	
			123							123			254	01000	123	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1 1/2 INCH)	
			21							21			301	56000	21	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
			33							33			304	20000	33	CY	AGGREGATE BASE	
			80							80			407	10000	80	GAL	TACK COAT	
			25							25			411	10000	25	CY	STABILIZED CRUSHED AGGREGATE	
			20							20			441	70000	20	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
																	TRAFFIC CONTROL	
		4								4			621	00100	4	EACH	RPM	
		4								4			621	54000	4	EACH	RAISED PAVEMENT MARKER REMOVED	
		0.06								0.06			642	00104	0.06	MILE	EDGE LINE, 6", TYPE 1	
		0.03								0.03			642	00300	0.03	MILE	CENTER LINE, TYPE 1	
																	MAINTENANCE OF TRAFFIC	
	50									50			253	02000	50	CY	PAVEMENT REPAIR	
	200									200			407	10000	200	GAL	TACK COAT	
	50									50			441	70000	50	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
	8									8			614	11110	8	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	4
	5									5			616	10000	5	MGAL	WATER	
																	INCIDENTALS	
										LS			614	11000	LS		MAINTAINING TRAFFIC	
										1			619	16000	1	MNTH	FIELD OFFICE, TYPE A	
										LS			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS			624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
MPG

REVIEWER
XXX MM-DD-YY

PROJECT ID
111040

SHEET TOTAL
P.06 14