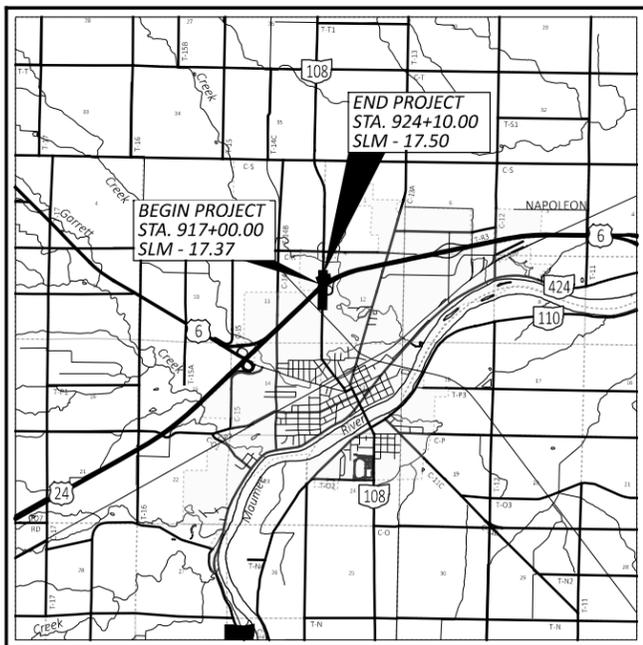


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

HEN-108-17.40

CITY OF NAPOLEON
HENRY COUNTY



LOCATION MAP

LATITUDE: 41°24'34" LONGITUDE: -84°07'54"



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

DESIGN DESIGNATION

CURRENT ADT (2022)	8,252
DESIGN YEAR ADT (2042)	12,263
DESIGN HOURLY VOLUME (2042)	1,104
DIRECTIONAL DISTRIBUTION	56/44
TRUCKS (24 HOUR B&C)	10%
DESIGN SPEED	35/50
LEGAL SPEED	35/50
DESIGN FUNCTIONAL CLASSIFICATION:	
04 - MINOR ARTERIAL (URBAN)	
NHS PROJECT	NO

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

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

PLAN PREPARED BY:

1500 Lake Shore Drive, Suite 100
Columbus, Ohio 43204
(614) 486-4383

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ENGINEER'S SEAL
FOR STRUCTURES

ENGINEER'S SEAL
FOR ENTIRE PLAN
EXCEPT STRUCTURES

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/21/22	HL-60.11	7/21/17	TC-52.10	10/18/13	DM-2.1	1/18/13	800-2023	SEE PROPOSAL
BP-4.1	7/19/13	HL-60.31	1/17/20	TC-52.20	1/15/21			813	10/19/18
BP-5.1	7/15/22			TC-61.10	1/17/20	HW-2.2	7/20/18	832	7/15/22
BP-7.1	1/20/23	MT-95.61	4/19/19	TC-65.10	1/17/14			836	1/19/18
		MT-97.10	4/19/19	TC-65.11	7/15/22			870	10/21/22
RM-1.1	1/20/23	MT-97.12	1/20/17	TC-71.10	7/15/22			913	4/16/21
RM-3.1	7/20/18	MT-97.20	4/19/19	TC-73.20	1/17/20				
RM-5.2	1/20/23	MT-98.29	1/17/20	TC-74.10	1/20/23				
		MT-101.60	1/17/20						
HL-10.11	7/15/22	MT-101.90	7/17/20	CB-3	7/16/21				
HL-10.12	1/20/23	MT-105.10	1/17/20	CB-3A	7/16/21				
HL-10.13	1/20/23								
HL-20.11	10/21/22	TC-41.20	10/18/13	MH-3	7/16/21				
HL-30.11	1/15/21	TC-41.30	10/18/13						
HL-30.21	4/17/20	TC-42.10	10/18/13	DM-1.1	7/17/20				
HL-40.20	7/15/22	TC-42.20	10/18/13	DM-1.2	7/16/21				

FEDERAL PROJECT NUMBER

E191(043)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

IN HENRY COUNTY, CONVERT THE RAMP INTERSECTION AT S.R. 108 AND WESTBOUND U.S. 24 TO A ROUNDAABOUT. IMPROVEMENTS WILL ALSO INCLUDE PEDESTRIAN FACILITIES IN THE VICINITY OF THE ROUNDAABOUT AND ALONG S.R. 108, ROUNDAABOUT LIGHTING, DRAINAGE, TRAFFIC CONTROL AND DRIVE IMPROVEMENTS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	3.24 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.29 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	4.90 ACRES

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN 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 SHEETS 10-11.

APPROVED _____
DISTRICT DEPUTY DIRECTOR

APPROVED
DIRECTOR, DEPARTMENT OF TRANSPORTATION

TITLE SHEET

DESIGN AGENCY

1500 LAKE SHORE DRIVE,
SUITE 100
COLUMBUS, OH 43204
(614) 486-4383

DESIGNER
NMG

REVIEWER
BMH 11/30/22

PROJECT ID
110867

SHEET TOTAL
1 | 68

HEN-108-17.40

MODEL: Sheet PAPER: 17x11 (in.) DATE: 5/9/2023 TIME: 11:06:29 AM USER: ngoodman U:\173909095\109741Task_F_HEN-108-17.40\10867400-Engineering\Roadway\Sheets\110867_G1001.dgn

ROUNDING

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

UTILITIES

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

CITY OF NAPOLEON (POWER & LIGHT) 255 W. RIVERVIEW NAPOLEON, OHIO 43545 (419) 579 - 4696 GREG KUHLMAN	OHIO GAS COMPANY 200 W. HIGH STREET BRYAN, OHIO 43506 (419) 630 - 2233 KRIS HANDSHOE
CITY OF NAPOLEON (WATER) 255 W. RIVERVIEW NAPOLEON, OHIO 43545 (419) 592 - 4010 CHAD LULFS	RIDGEVILLE TELEPHONE 5732 COUNTY ROAD 20B RIDGEVILLE CORNERS, OHIO 43555 (419) 267 - 5185 BRIAN MILLER
CITY OF NAPOLEON (SEWER) 255 W. RIVERVIEW NAPOLEON, OHIO 43545 (419) 592 - 4010 CHAD LULFS	BRIGHTSPEED (FKA CENTURY LINK) 227 W. MAIN STREET WOODVILLE, OHIO 43469 RELOCATIONS@LUMEN.COM RELOCATIONS@BRIGHTSPEED.COM
ODOT - DISTRICT 2 DIVISION OF TRAFFIC 317 E. POE ROAD BOWLING GREEN, OHIO 43402 (419) 353 - 8131	CHARTER COMMUNICATIONS 205 CRYSTAL AVENUE FINDLAY, OHIO 45840 (216) 296 - 5795 JEREMY FIGURA

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.

CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
15"	<u>1</u>	<u>1</u>	<u>2</u>
24"	<u>2</u>	<u>2</u>	<u>4</u>

PROJECT CONTROL				
POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
CP100	639755.8957	1520996.2102	680.673	YELLOW "NCI TRAVERSE POINT" CAPPED IRON PIN
CP101	639169.8307	1520939.0747	679.178	RED "CONTROL POINT" CAPPED IRON PIN
CP102	638824.5427	1520936.8422	672.066	RED "CONTROL POINT" CAPPED IRON PIN
CP103	638613.6796	1520974.7570	673.025	RED "CONTROL POINT" CAPPED IRON PIN
CP104	638182.8370	1520975.4160	680.810	RED "CONTROL POINT" CAPPED IRON PIN
CP105	637603.4213	1520906.2953	682.478	RED "CONTROL POINT" CAPPED IRON PIN
BM300	639772.06	1520932.25	681.837	BOAT SPIKE IN TP ON W-SIDE OF S.R. 108, ACROSS FROM CP100
BM301	639057.53	1520935.60	677.001	MAGS IN SW CORNER OF WESTBOUND US24-108 ON/OFF RAMPS
BM302	638240.58	1520911.44	680.707	CHISELED X ON NE BOLT OF CANTILEVER SIGN ON W-SIDE OF S.R. 108, ACROSS FROM EASTBOUND US24-108 ON/OFF RAMPS
BM303	637567.70	1520897.02	684.785	CHISELED X ON E BOLT ON TOP OF FIRE HYDRANT IN FRONT OF FARMERS & MERCHANTS BANK

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE BELOW ON THIS SHEET FOR THE TABLE 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 W/ RED "CONTROL POINT" CAP

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
 GEOID: GEOID18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83(2011)
 ELLIPSOID: GRS80
 MAP PROJECTION: LAMBERT CONFORMAL CONIC
 COORDINATE SYSTEM: OHIO STATE PLANE COORDINATES, NORTH ZONE
 COMBINED SCALE FACTOR: 0.99992957 (GROUND TO GRID)
 ORIGIN OF COORDINATE SYSTEM: 0,0,0

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.

MONUMENT ASSEMBLIES

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NO. 22.

FENCE LENGTHS

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

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 362 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

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND/OR REMOVALS

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION AND/OR REMOVAL OF PIPES.

ITEM 301 - ASPHALT CONCRETE BASE, PG64-22 (449)	55 CU. YDS.
ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	10 CU. YDS.
ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2, (448)	15 CU. YDS.

THE ABOVE QUANTITY IS BASED ON A 301 THICKNESS OF EIGHT (8) INCHES, 1-1/4 INCHES OF SURFACE AND 1-3/4 INCHES OF INTERMEDIATE COURSE AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

PAVEMENT RESTORATION FOR DRAINAGE STRUCTURE INSTALLATIONS

THE FOLLOWING QUANTITY IS PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF ITEM 611, DRAINAGE STRUCTURES.

ITEM 301 - ASPHALT CONCRETE BASE, PG64-22 (449)	10 CU. YDS.
ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	1 CU. YDS.
ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2, (448)	2 CU. YDS.
ITEM 609 - CURB, TYPE 6	60 FT.

THE ABOVE QUANTITY IS BASED ON A 301 THICKNESS OF EIGHT (8) INCHES, 1-1/4 INCHES OF SURFACE AND 1-3/4 INCHES OF INTERMEDIATE COURSE AND A PAVEMENT RESTORATION THAT INCLUDES THE WIDTH OF TWO FEET AROUND THE PERIMETER OF THE DRAINAGE STRUCTURE.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

- SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
- EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS).

IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.
- COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.
- APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.

PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06.

- EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.
- PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.
- FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

THE FOLLOWING QUANTITIES FOR ANY SPOT SUBGRADE TREATMENT AS DETERMINED BY THE ENGINEER, ARE INCLUDED AS FOLLOWS AND CARRIED TO THE GENERAL SUMMARY.

ITEM 204 - EXCAVATION OF SUBGRADE	150 CU. YDS.
ITEM 204 - GRANULAR MATERIAL, TYPE C	150 CU. YDS.
ITEM 204 - GEOTEXTILE FABRIC	450 SQ. YDS.

DESIGN AGENCY

Stantec
 1500 LAKE SHORE DRIVE
 SUITE 100
 COLUMBUS, OH 43204
 (614) 486-4383

DESIGNER
NMG

REVIEWER
BMH 11/30/22

PROJECT ID
110867

SHEET TOTAL
6 | 68

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.	
6	7	8	9	15	16	17	45	50	54	56	57	67		EXT	TOTAL 01/SAF/04				
ROADWAY																			
LS				2										201	11000	LS		CLEARING AND GRUBBING	
														202	20010	2	EACH	HEADWALL REMOVED	
						2,291	151							202	23000	2,442	SY	PAVEMENT REMOVED	
				412										202	32000	412	FT	CURB REMOVED	
				64										202	32500	64	FT	CURB AND GUTTER REMOVED	
				501										202	35100	501	FT	PIPE REMOVED, 24" AND UNDER	
				4										202	58000	4	EACH	MANHOLE REMOVED	
				6										202	58100	6	EACH	CATCH BASIN REMOVED	
				232										202	75000	232	FT	FENCE REMOVED	
						2,186	28							203	10000	2,214	CY	EXCAVATION	
						1,541	4							203	20000	1,545	CY	EMBANKMENT	
						4,322	148							204	10000	4,470	SY	SUBGRADE COMPACTION	
150														204	13000	150	CY	EXCAVATION OF SUBGRADE	6
150														204	30020	150	CY	GRANULAR MATERIAL, TYPE C	6
	3													204	45000	3	HOUR	PROOF ROLLING	
450														204	50000	450	SY	GEOTEXTILE FABRIC	6
				296										607	23000	296	FT	FENCE, TYPE CLT	
				2										623	39500	2	EACH	MONUMENT ASSEMBLY ADJUSTED TO GRADE	
				1										623	40000	1	EACH	MONUMENT ASSEMBLY REMOVED AND RESET	
				1										623	40500	1	EACH	REFERENCE MONUMENT, TYPE A	6
														623	50000	LS		PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
														623	51000	LS		POST CONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
				2										SPECIAL	69050350	2	EACH	MAILBOX REMOVED AND RESET	7
EROSION CONTROL																			
								4						601	21050	4	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
					5									601	32200	5	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
					236									601	34300	236	CY	ROCK CHANNEL PROTECTION, TYPE D WITHOUT FILTER	
					308									601	37501	308	FT	PAVED GUTTER, TYPE 1-2, AS PER PLAN	54
	2													659	00100	2	EACH	SOIL ANALYSIS TEST	
	615													659	00300	615	CY	TOPSOIL	
	5,532													659	10000	5,532	SY	SEEDING AND MULCHING	
	277													659	14000	277	SY	REPAIR SEEDING AND MULCHING	
	277													659	15000	277	SY	INTER-SEEDING	
	0.77													659	20000	0.77	TON	COMMERCIAL FERTILIZER	
	1.14													659	31000	1.14	ACRE	LIME	
	31													659	35000	31	MGAL	WATER	
					376									670	00720	376	SY	DITCH EROSION PROTECTION MAT, TYPE B	
														832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
														832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
														832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
														832	30000	27,216	EACH	EROSION CONTROL	

GENERAL SUMMARY

DESIGN AGENCY

Stantec
 1500 LAKE SHORE DRIVE,
 SUITE 100
 COLUMBUS, OH 43204
 (614) 486-4383

DESIGNER
NMG

REVIEWER
CNK 11/30/22

PROJECT ID
110867

SHEET TOTAL
 12 | 68

SHEET NUM.

PART.

ITEM

ITEM EXT

GRAND TOTAL
01/SAF/04

UNIT

DESCRIPTION

SEE SHEET NO.

7	8	9	15	16	17	45	50	54	56	57	67	68	ITEM	ITEM EXT	GRAND TOTAL 01/SAF/04	UNIT	DESCRIPTION	SEE SHEET NO.
										104			621	00100	104	EACH	TRAFFIC CONTROL RPM	
									423.5				630	03100	423.5	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
									240				630	80100	240	SF	SIGN, FLAT SHEET	
									37				630	84900	37	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
									5				630	85100	5	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
									1				630	85400	1	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	
									16				630	86002	16	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
									3				630	86102	3	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	
									2				630	97700	2	EACH	SIGNING, MISC.: GROUND MOUNTED STRUCTURAL BEAM FOUNDATION, AS PER PLAN	7
									33				630	97900	33	FT	SIGNING, MISC.: 6" X 8" SOLID WOOD POST, AS PER PLAN	7
										0.41			642	00104	0.41	MILE	EDGE LINE, 6", TYPE 1	
										0.42			642	00300	0.42	MILE	CENTER LINE, TYPE 1	
										100			644	00404	100	FT	CHANNELIZING LINE, 12"	
										57			644	00500	57	FT	STOP LINE	
										332			644	00630	332	FT	CROSSWALK LINE, 24"	
										163			644	00700	163	FT	TRANSVERSE/DIAGONAL LINE	
										58			644	00900	58	SF	ISLAND MARKING	
										9			644	01300	9	EACH	LANE ARROW	
										198			644	01520	198	FT	DOTTED LINE, 12"	
										57			644	20800	57	FT	YIELD LINE	
																	LANDSCAPING	
												20	661	00500	20	CY	MULCH	
												8	661	14000	8	EACH	PERENNIALS, SCHIZACHYRIUM SCOPARIUM	
												32	661	14000	32	EACH	PERENNIALS, SPOBOBOLUS HETEROLEPIS	
												449	661	99930	449	SY	PLANTING, MISC.: WASHED STONE, 2"-3"	68
												449	661	99930	449	SY	PLANTING, MISC.: LANDSCAPE FABRIC UNDER WASHED STONE	68
												160	662	31000	160	GAL	LANDSCAPE WATERING	
																	RETAINING WALLS	
								9,610					509	30040	9,610	FT	NO. 6 GFRP DEFORMED BARS	
								92					512	10100	92	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
								155					516	13200	155	SF	1/2" PREFORMED EXPANSION JOINT FILLER	
								278					517	75001	278	FT	RAILING, ALUMINUM, AS PER PLAN	7
								1					518	12800	1	EACH	SCUPPER, MODIFICATION	
								1,747					608	98000	1,747	SF	WALKWAY, MISC.: VARIABLE THICKNESS CONCRETE WALK	7
								663					870	10001	663	SF	PREFABRICATED MODULAR RETAINING WALL, AS PER PLAN	7
								20					870	11000	20	CY	WALL EXCAVATION	
								270					870	12000	270	FT	6" DRAINAGE PIPE, PERFORATED	
								17					870	12100	17	FT	6" DRAINAGE PIPE, NON-PERFORATED	
								2					870	14000	2	DAY	ON-SITE ASSISTANCE	
								LS					870	15000	LS		PMRW INSPECTION AND COMPACTION TESTING	
																	MAINTENANCE OF TRAFFIC	
			40										614	11110	40	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
													614	12420	LS		DETOUR SIGNING	8
			10										614	18601	10	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	9
15													616	10000	15	MGAL	WATER	
																	INCIDENTALS	
													103	05000	LS		PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	
													614	11000	LS		MAINTAINING TRAFFIC	
													619	16010	8	MNTH	FIELD OFFICE, TYPE B	
													623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



Stantec
1500 LAKE SHORE DRIVE,
SUITE 100
COLUMBUS, OH 43204
(614) 486-4383

DESIGNER
NMG

REVIEWER
CNK 11/30/22

PROJECT ID
110867

SHEET TOTAL
14 | 68