

SHEET NUM.															PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.16	P.17	P.18	P.21	P.84	P.88	P.710	P.712	P.725	P.837	P.862	P.863	P.864	P.865	P.866	01/NHS/03	02/NHS/04						
							2								2		611	98540	2	EACH	DRAINAGE (CONT.)	
	44	105						47							196		611	99710	196	EACH	PRECAST REINFORCED CONCRETE OUTLET	
			786												786		251	01010	786	CY	PAVEMENT	
				33,896											4,500	29,396	252	01500	33,896	FT	PARTIAL DEPTH PAVEMENT REPAIR (441)	
			3,429		3,542										6,971		254	01000	6,971	SY	FULL DEPTH PAVEMENT SAWING	
																					PAVEMENT PLANING, ASPHALT CONCRETE (1.5" THICKNESS)	
302															302		255	11000	302	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 1, CLASS QC1	
3,224															3,224		255	20000	3,224	FT	FULL DEPTH PAVEMENT SAWING	
4															4		301	56000	4	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
					25,668	45									25,713		302	56000	25,713	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
10					30,910										27,483	3,437	304	20000	30,920	CY	AGGREGATE BASE	
					10,108	19									741	9,386	407	13900	10,127	GAL	TACK COAT, 702.13	
			275		26,776										18,420	8,631	407	20000	27,051	GAL	NON-TRACKING TACK COAT	
					272										272		411	10000	272	CY	STABILIZED CRUSHED AGGREGATE	
			143												143		441	50000	143	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
			50												50		441	70201	50	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), AS PER PLAN, PG64-22	P.21
						12									12		441	70500	12	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
					1,154										645	509	441	70800	1,154	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL)	
					20,118										14,543	5,575	442	00100	20,118	CY	ANTI-SEGREGATION EQUIPMENT	
					20,118										20,118		442	00100	20,118	CY	ANTI-SEGREGATION EQUIPMENT	
					1,353										1,353		442	10000	1,353	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
					8,811										6,518	1,132	442	10080	8,811	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	
					7,433										530	6,903	442	10100	7,433	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	
					11,307										3,243	5,575	617	10100	11,307	CY	COMPACTED AGGREGATE	
					452										452		617	20000	452	SY	SHOULDER PREPARATION	
									23						12	11	618	40600	23	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
											18	16	16	16	66		625	00450	66	EACH	LIGHTING	
											27	24	21	30	102		625	00480	102	EACH	CONNECTION, FUSED PULL APART	
											9	8	8	8	33		625	10490	33	EACH	CONNECTION, UNFUSED PERMANENT	
											9	8	8	8	33		625	14100	33	EACH	LIGHT POLE, CONVENTIONAL: AT22B40	
											477	480	462	423	1,842		625	23200	1,842	FT	LIGHT POLE FOUNDATION, 24" X 8" DEEP	
																					NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
											1,809	1,608	1,608	1,608	6,633		625	23400	6,633	FT	NO. 10 AWG POLE AND BRACKET CABLE	
											5,227	4,291	4,204	5,309	19,031		625	24320	19,031	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES	
											50	41	13	23	127		625	25500	127	FT	CONDUIT, 3", 725.04	
											74	84	44	37	239		625	25802	239	FT	CONDUIT, CONCRETE ENCASED: 3"	
													62	46	108		625	25902	108	FT	CONDUIT, JACKED OR DRILLED, 725.04: 3"	
											3	3	3	3	12		625	26253	12	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED),	P.862
																					AS PER PLAN (TYPE II, LED, 240V, 20,000-22,000 LUMENS)	
											6	5	5	5	21		625	26253	21	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED),	P.862
																					AS PER PLAN (TYPE III, LED, 240V, 20,000-22,000 LUMENS)	
											5,191	4,286	4,141	5,219	18,837		625	29002	18,837	FT	TRENCH, 24" DEEP	
											8	7	6	9	30		625	30700	30	EACH	PULL BOX, 725.08, 18"	
											1	1	1	1	4		625	30706	4	EACH	PULL BOX, 725.08, 24"	
											3		2		5		625	31510	5	EACH	PULL BOX REMOVED	
											9	8	8	8	33		625	32000	33	EACH	GROUND ROD	
											1	1	1	1	4		625	34001	4	EACH	POWER SERVICE, AS PER PLAN	P.862
										LS	5,191	4,286	4,203	5,265	18,945		625	36010	18,945	FT	UNDERGROUND WARNING/MARKING TAPE	
														LS			SPECIAL	62540000	LS		MAINTAIN EXISTING LIGHTING	P.862
											2		2		4		625	75400	4	EACH	LIGHT POLE REMOVED	
											2		2		4		625	75500	4	EACH	LIGHT POLE FOUNDATION REMOVED	
											2		2		4		625	75507	4	EACH	LUMINAIRE REMOVED, AS PER PLAN	P.862

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
SJT

REVIEWER
KKP 09/18/24

PROJECT ID
119142

SHEET	TOTAL
P.79	P.1184

ESTIMATED QUANTITIES										STRUCTURE FILE NUMBER: 0501191		
ITEM	EXTENSION	TOTAL	UNIT	PART. 03/NHS/08	DESCRIPTION	ABUTMENTS	PIERS	SUPERSTR.	GENERAL	SHT. REF.		
503	21102	787	CY	787	UNCLASSIFIED EXCAVATION, INCLUDING SHALE				787			
509	10000	717857	LB	717857	EPOXY COATED STEEL REINFORCEMENT	44876	191453	481528				
509	30020	23472	FT	23472	NO. 4 DEFORMED GFRP REINFORCEMENT			23472				
511	34446	1221	CY	1221	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			1221				
511	34450	232	CY	232	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			232				
511	41012	230	CY	230	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTING		230					
511	44112	218	CY	218	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING	218						
511	45602	776	CY	776	CLASS QC4 MASS CONCRETE. SUBSTRUCTURE WITH QC/QA		776					
511	46512	97	CY	97	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	97						
512	10100	3855	SY	3855	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)			3855				
512	10300	4349	SY	4349	SEALING OF CONCRETE BRIDGE DECKS WITH HMWM RESIN			4349				
512	33000	240	SY	240	TYPE 2 WATERPROOFING			240				
515	15130	18	EACH	18	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF72-49 (135'-6")			18				
515	15130	12	EACH	12	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF72-49 (145'-6")			12				
515	20000	75	EACH	75	INTERMEDIATE DIAPHRAGMS			75				
516	12300	127	FT	127	STRIP SEAL EXPANSION JOINT ANCHORED WITH ELASTOMERIC CONCRETE			127				
516	13600	96	SF	96	1" PREFORMED EXPANSION JOINT FILLER				96			
516	44100	24	EACH	24	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) (15"x18"x2.748")			24				
516	44300	36	EACH	36	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) (15"x24"x4.75")			36				
518	12301	3	EACH	3	SCUPPER, INCLUDING SUPPORTS, AS PER PLAN			3		22		
518	21200	165	CY	165	POROUS BACKFILL WITH GEOTEXTILE FABRIC	165						
518	40000	171	FT	171	6" PERFORATED CORRUGATED PLASTIC PIPE	171						
518	40010	110	FT	110	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	110				6		
524	95475	94	FT	94	DRILLED SHAFTS, 60" DIAMETER, INTO BEDROCK WITH QC/QA, AS PER PLAN				94	9		
524	95483	61	FT	61	DRILLED SHAFTS, 66" DIAMETER, ABOVE BEDROCK WITH QC/QA, AS PER PLAN				61	9		
524	95485	59	FT	59	DRILLED SHAFTS, 66" DIAMETER, INTO BEDROCK WITH QC/QA, AS PER PLAN				59	10 & 11		
524	95493	82	FT	82	DRILLED SHAFTS, 72" DIAMETER, ABOVE BEDROCK, WITH QC/QA, AS PER PLAN				82	10 & 11		
526	30010	302	SY	302	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")				302			
526	90010	119	FT	119	TYPE A INSTALLATION				119			
601	32200	119	CY	119	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER				119			
846	00110	49	CF	49	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM				49			
894	10000	4	EACH	4	THERMAL INTEGRITY PROFILING (TIP) TEST				4			

ESTIMATED QUANTITIES										STRUCTURAL FILE NUMBER: 0501190		
ITEM	EXTENSION	TOTAL	UNIT	PART. 02/NHS/04	DESCRIPTION	ABUTMENTS	PIERS	SUPERSTR.	GENERAL	SHT. REF.		
512	10100	4367	SY	4367	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)			4367				
512	10300	4857	SY	4857	SEALING OF CONCRETE BRIDGE DECKS WITH HMWM RESIN			5118				
512	74000	4367	SY	4367	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES			4367				

DESIGNER: JPL
CHECKER: FBW

DATE:
10/2/24
10/4/24

ESTIMATED QUANTITIES
BRIDGE NO. ATH-00033-23.250R
EASTBOUND US 33 OVER PRATTS FORK CREEK

SFN
501191
DESIGN AGENCY



DESIGNER
JPL

CHECKER
KGR

REVIEWER
FBW 10/09/24

PROJECT ID
119142

SUBSET
4

TOTAL
34

SHEET
P.877

TOTAL
P.1184

ATH/MEG-033-18.70/00.00

MODEL: Sheet PAPER: SIZE: 34x22 (in.) DATE: 4/16/2025 TIME: 9:21:16 AM USER: mdrockton
pw:\pw-int.hntb.org\pw\creat_Lakes\Documents\Columbus Projects\82841 ATH MEI-33\PM02.113142\404-Engineering-ELR\Structures\SFN_5300403\Sheets\119142_SFN_5300403_SQ001.dgn

MADE BY: MMD		DATE: 9/16/2024		ESTIMATED QUANTITIES											STRUCTURAL FILE NUMBER: 05300403	
CHECKED BY: LAH		DATE: 9/17/2024														
ITEM	EXTENSION	TOTAL	UNIT	PART. 03/NHS/08	DESCRIPTION	ABUT.	PIER	SUPER.	GEN.	REFERENCE SHEET NO.						
503	11100	LUMP		LUMP	COFFERDAMS AND EXCAVATION BRACING											
505	11100	LUMP		LUMP	PILE DRIVING EQUIPMENT MOBILIZATION											
507	00100	660	FT	660	STEEL PILES HP10X42, FURNISHED	660										
507	00150	550	FT	550	STEEL PILES HP10X42, DRIVEN	550										
507	00300	2,310	FT	2,310	STEEL PILES HP14X73, FURNISHED	2,310										
507	00350	2,200	FT	2,200	STEEL PILES HP14X73, DRIVEN	2,200										
507	92201	1,322	FT	1,322	PREBORED HOLES, AS PER PLAN	1,322				6 OF 32						
507	93300	22	EACH	22	STEEL POINTS OR SHOES	22										
509	10000	391,164	LB	391,164	EPOXY COATED STEEL REINFORCEMENT	11,926	138,359	240,879								
509	30020	15,522	FT	15,522	NO. 4 DEFORMED GFRP REINFORCEMENT			15,522								
511	33418	115	CY	115	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE			115								
511	33500	2	EACH	2	SEMI-INTEGRAL DIAPHRAGM GUIDE	2										
511	34446	712	CY	712	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			712								
511	34450	153	CY	153	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			153								
511	41012	344	CY	344	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS		344									
511	43512	180	CY	180	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING	180										
511	45602	86	CY	86	CLASS QC4 MASS CONCRETE, SUBSTRUCTURE WITH QC/QA		86									
512	10100	2,754	SY	2,754	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	76	298	2,380								
512	10300	2,665	SY	2,665	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN			2,665								
512	33000	71	SY	71	TYPE 2 WATERPROOFING	71										
512	33300	19	SY	19	TYPE A WATERPROOFING	19										
515	15130	5	EACH	5	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF72-49 (135'-7")			5								
515	15130	5	EACH	5	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF72-49 (134'-6")			5								
515	15130	5	EACH	5	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF72-49 (104'-6")			5								
515	15130	5	EACH	5	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF72-49 (105'-7")			5								
515	20001	48	EACH	48	INTERMEDIATE DIAPHRAGMS, AS PER PLAN			48		3 OF 32						
516	10010	91	FT	91	ARMORLESS PREFORMED JOINT SEAL				91							
516	13600	16	SF	16	1" PREFORMED EXPANSION JOINT FILLER			16								
516	13900	86	SF	86	2" PREFORMED EXPANSION JOINT FILLER	86										
516	25000	392	SF	392	NYLON REINFORCED NEOPRENE SHEETING	392										
516	44300	30	EACH	30	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) (18" x 20" x 4.8322")		30									
516	44401	10	EACH	10	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (22" x 23" x 5.7768")	10				14 OF 32						
518	12301	3	EACH	3	SCUPPERS, INCLUDING SUPPORTS, AS PER PLAN			3		21 OF 32						
518	21200	98	CY	98	POROUS BACKFILL WITH GEOTEXTILE FABRIC	98										
518	40000	153	FT	153	6" PERFORATED CORRUGATED PLASTIC PIPE	153										
518	40011	50	FT	50	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	50				7 AND 8 OF 32						
524	95100	9	EACH	9	DRILLED SHAFTS, MISC.: CSL TESTING, 84" DIA. SHAFT		9			3 OF 32						
524	95505	195	FT	195	DRILLED SHAFTS, 78" DIAMETER, INTO BEDROCK WITH QC/QA, AS PER PLAN		195			3 OF 32						
524	95513	239	FT	239	DRILLED SHAFTS, 84" DIAMETER, ABOVE BEDROCK WITH QC/QA, AS PER PLAN		239			3 OF 32						
526	25010	246	SY	246	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")				246							
526	90030	86	FT	86	TYPE C INSTALLATION				86							
601	32200	669	CY	669	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER				669							
894	10000	9	EACH	9	THERMAL INTEGRITY PROFILING (TIP) TEST		9									
MADE BY: MMD		DATE: 9/10/2024		ESTIMATED QUANTITIES											STRUCTURE FILE NUMBER: 05300509	
CHECKED BY: LAH		DATE: 9/11/2024														
ITEM	EXTENSION	TOTAL	UNIT	PART. 02/NHS/04	DESCRIPTION	ABUT.	PIER	SUPER.	GEN.	REFERENCE SHEET NO.						
512	10100	2,259	SY	2,259	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)			2,259								
512	10300	2,788	SY	2,788	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN			2,788								
512	74000	2,259	SY	2,259	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES			2,259								

ESTIMATED QUANTITIES
BRIDGE NO. MEG-00033-01.510R
EASTBOUND US 33 OVER WEST BRANCH OF SHADE RIVER AND C.R. 40 (BURLINGHAM ROAD)

SFN	
5300403	
DESIGN AGENCY	
	
E.L. ROBINSON ENGINEERING 1468 West 9th St. Suite 800 Cleveland, Ohio 44115 950 Goodale Blvd. Suite 180 Grandview Heights, Ohio 44131	
DESIGNER	CHECKER
RAP	LAH
REVIEWER	
RER 10/04/24	
PROJECT ID	
119142	
SUBSET	TOTAL
5	32
SHEET	TOTAL
P.974	P.1184