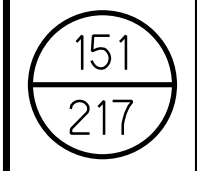
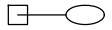
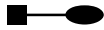
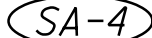
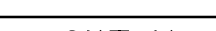
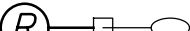


8/28/2024 7:55:59 AM khliegass C:\3000_3499\3023\70010_CUY-CR57-4.43 (Wallings_Road)\0001\062239_CUY-77-4.79\Design\Roadway\Sheets\062239_CC003.dgn	SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED KAH	CHECKED RAK
	OFFICE CALCS	12	66				132	133	135	148	149											
		80													80	611	01800	80	FT	SANITARY SEWER		
		4													4	611	99574	4	EACH	MANHOLE, NO. 3		
		2													2	611	99651	2	EACH	MANHOLE FRAME AND COVER, AS PER PLAN	12	
			6												6	611	99654	6	EACH	MANHOLE ADJUSTED TO GRADE		
			3												3	611	99661	3	EACH	MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN 1	13	
			1												1	611	99661	1	EACH	MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN 2	13	
		4													4	611	99721	4	EACH	INSPECTION WELL, AS PER PLAN	12	
											6				6	625	00450	6	EACH	LIGHTING		
											9				9	625	00480	9	EACH	CONNECTION, FUSED PULL APART		
											3				3	625	02600	3	EACH	CONNECTION, UNFUSED PERMANENT		
																			EACH	TRANSFORMER BASE, TYPE AT-C		
											3				3	625	14000	3	EACH			
																			EACH	LIGHT POLE FOUNDATION, 24" X 6" DEEP		
											486				486	625	23200	486	FT			
															467	625	24320	467	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE		
															15	625	25402	15	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES		
																				CONDUIT, 2", 725.05		
										452				452	625	29002	452	FT	TRENCH, 24" DEEP			
															625	30700	1	EACH	PULL BOX, 725.08, 18"			
										3				3	625	32000	3	EACH	GROUND ROD			
									1					1	625	33001	1	EACH	STRUCTURE GROUNDING SYSTEM, AS PER PLAN	148		
										1				1	625	34001	1	EACH	POWER SERVICE, AS PER PLAN	148		
										3				3	625	35011	3	EACH	REMOVE AND REERECT EXISTING LIGHT POLE, AS PER PLAN	148		
										452				452	625	36010	452	FT	UNDERGROUND WARNING/MARKING TAPE			
									LS					LS	SPECIAL	62540000	LS		MAINTAIN EXISTING LIGHTING	148		
										4				4	625	75800	4	EACH	DISCONNECT CIRCUIT			
						42								42	621	00100	42	EACH	TRAFFIC CONTROL			
																			RPM			
														2	625	32000	2	EACH	GROUND ROD			
														195	630	02100	195	FT	GROUND MOUNTED SUPPORT, NO. 2 POST			
														257.9	630	03100	257.9	FT	GROUND MOUNTED SUPPORT, NO. 3 POST			
														55	630	06400	55	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7			
														71	630	07600	71	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12			
														30	630	08100	30	FT	ONE WAY SUPPORT, NO. 4 POST			
														25	630	08520	25	FT	STREET NAME SIGN SUPPORT, NO. 3 POST			
														7	630	08600	7	EACH	SIGN POST REFLECTOR			
														8	630	09000	8	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION			
														2	630	76520	2	EACH	SPAN WIRE SIGN SUPPORT, TYPE TC-17.11, DESIGN 8			
														2	630	79000	2	EACH	SIGN HANGER ASSEMBLY, SPAN WIRE			
														6	630	79100	6	EACH	SIGN HANGER ASSEMBLY, MAST ARM			
														348.95	630	80100	348.95	SF	SIGN, FLAT SHEET			
														166	630	80200	166	SF	SIGN, GROUND MOUNTED EXTRUSHEET			
														8	630	84500	8	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION			
														2	630	84520	2	EACH	SPAN WIRE SIGN SUPPORT FOUNDATION			
														49	630	84900	49	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL			
														23	630	86002	23	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL			
														14	630	86102	14	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL			
														1	630	86272	1	EACH	REMOVAL OF GROUND MOUNTED PIPE SUPPORT AND DISPOSAL			
														5	630	87500	5	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL			
										155				155	632	30200	155	FT	MESSANGER WIRE, 7 STRAND, 3/8" DIAMETER WITH ACCESSORIES			
						0.37								0.37	644	00104	0.37	MILE	EDGE LINE, 6"			
						0.04								0.04	644	00204	0.04	MILE	LANE LINE, 6"			
						0.68								0.68	644	00300	0.68	MILE	CENTER LINE			
						1,774								1,774	644	00404	1,774	FT	CHANNELIZING LINE, 12"			

[illegible]



PLAN LEGEND		
EXIST.	PROP.	ITEM
		LIGHT POLE, W/ CONVENTIONAL LUMINAIRE
		LIGHT POLE/TOWER, IDENTIFICATION NO.
		1 1/2" DUCT CABLE IN 24" DEEP TRENCH
		ACTIVE EXIST. CIRCUIT
		PULL BOX, IDENTIFICATION NO.
		LIGHT POLE TO BE REMOVED AND RELOCATED

P:\Broadview Hts - City of\20170056.000 CUY CR57-4.43 Wallings Rd\CUY\106239\Design\Structures\CUY077_0443L_S000.dgn Sheet 8/28/2024 11:35:32 AM kcendrosky

ESTIMATED QUANTITIES							CALC. BY: EIW		DATE: 03/22/24		CHKD. BY: PJW		DATE: 03/22/24	
PARTICIPATION		ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SHEET #			
02/SAF/13	03/NFP/05													
LS		202	11203	LS	LS	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					2/33	3/33		
156		202	22900	156	SY	APPROACH SLAB REMOVED				156				
LS		503	11101	LS	LS	COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN					2/33			
549		503	21100	549	CY	UNCLASSIFIED EXCAVATION	484	65						
72		503	31120	72	CY	SHALE EXCAVATION		72						
180100		509	10001	180100	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	8125	16552	142347	13076	2/33			
500		509	20001	500	LB	CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN	500				2/33			
460		510	10000	460	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	256	204						
4		511	33500	4	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	4							
601		511	34447	601	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN			601		21/33	22/33	24/33	
71		511	34450	71	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)				71				
52		511	42012	52	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS		52						
149		511	43512	149	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING (*)	149							
57		511	46512	57	CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING (*)		57						
	65	511	81100	65	FT	CONCRETE MISC.: 8" PVC CASING PIPE, 748.02	65				3/33			
468		512	10050	468	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)			419	49				
1135		512	10100	1135	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	101	316	678	40				
49		512	33000	49	SY	TYPE 2 WATERPROOFING	49							
472428	361	513	10260	472789	LB	STRUCTURAL STEEL MEMBERS, LEVEL 3			472789		3/33			
7938		513	20000	7938	EACH	WELDED STUD SHEAR CONNECTORS			7938					
22204		514	00060	22204	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			22204		2/33			
22204		514	00066	22204	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			22204		2/33			
14		514	10000	14	EACH	FINAL INSPECTION REPAIR			14					
110		516	10010	110	FT	ARMORLESS PREFORMED JOINT SEAL				110				
13		516	13600	13	SF	1" PREFORMED EXPANSION JOINT FILLER	13							
77		516	13900	77	SF	2" PREFORMED EXPANSION JOINT FILLER	77							
117		516	14020	117	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	117							
14		516	44301	14	EACH	(14"x14"x4.47") ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (15"x15"x1.50") (NEOPRENE), AS PER PLAN	14				20/33			
21		516	44301	21	EACH	(14"x22"x4.47") ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (15"x23"x2.28") (NEOPRENE), AS PER PLAN		21			20/33			
85		518	21200	85	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	85							
77		518	40000	77	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	77							
70		518	40010	70	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	70							
10		519	11101	10	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN		10			2/33	13/33		
304		526	25011	304	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN				304	30/33	31/33		
110		526	90031	110	FT	TYPE C INSTALLATION, AS PER PLAN				110	30/33	31/33		
610		607	39901	610	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN				610	29/33			

(*) - SEE FOOTING NOTE SHEET 2/33.

DESIGN AGENCY
OSBORN ENGINEERING
CLEVELAND, OHIO

DATE
05/17/24

REVIEWED
SMK

STRUCTURE FILE NUMBER
1805975

DRAWN
EIW

REVISED

DESIGNED
EIW

CHECKED
PJW

STRUCTURE ESTIMATED QUANTITIES
BRIDGE NO. CUY-77-0479
WALLINGS ROAD OVER I-77

CUY-77-4.79
PID No. 106239

4/33

171
217