						SHEET	NUM.						<u> </u>	PART.	<u> </u>	ITEM	GRAND		DECORIDATION	SEE	LATED ZS
6	8	61	62	63	64	65	66	67	72	73	74	75	195	01/SAF/21 02/NHS/0	TEM	EXT	TOTAL	UNIT	DESCRIPTION	SHEET NO.	CALCULAT
													(Y	restr	201	11001	LS		ROADWAY CLEARING AND GRUBBING, AS PER PLAN	6	
		2 , 853	2,174	4,236				7,012						7,012 9,263	202 202	23000 30000	7,012 9,263	SY SF	PAVEMENT REMOVED WALK REMOVED		1
		2,000	16	7,200							<u> </u>			16	202	30600	16	SY	CONCRETE MEDIAN REMOVED		1
				74										74	202	30800	74	SY	TRAFFIC ISLAND REMOVED		1
		945	1,087	1,274										3,306	202	32000	3,306	FT	CURB REMOVED		4
		54			0.107	1.700					<u> </u>			54	202	32500	54	FT	CURB AND GUTTER REMOVED		4
					2,107 3,105	1,709 424								1,908 1,908 1,765 1,764	202 202	35100 35200	3,816 3,529	FT FT	PIPE REMOVED, 24" AND UNDER PIPE REMOVED, OVER 24"		-
		37.5			3,103	424								1,765 1,764 37.5	202	38000	37.5	FT	GUARDRAIL REMOVED		-
		37.0												37.3	202	30000	37.0		OURIDINALE NEWOVED		1
		50	47	12										109	SPECIAL	20252990	109	EACH	PARKING BLOCK REMOVED	8	1
					8	7								15	202	58000	15	EACH	MANHOLE REMOVED		
					30	19								39 10	202	58100	49	EACH	CATCH BASIN REMOVED		
						30								30	SPECIAL	20270000	30	FT	FILL AND PLUG EXISTING CONDUIT ,12"	7	-
					88									88	SPECIAL	20270000	88	FT	FILL AND PLUG EXISTING CONDUIT, 18"	7	⊣ જ
		14	2	2										18	202	98100	18	EACH	REMOVAL MISC.: BOLLARD	8	┨
			1	1										2	202	98100	2	EACH	REMOVAL MISC.: BUS SHELTER	8	
		6	,	2										8	202	98100	8	EACH	REMOVAL MISC.: BENCH	8	Σ
		3		1										4	202	98100	4	EACH	REMOVAL MISC.: BRICK PLANTER	8	∃ 5
				1										1	202	98100	1	EACH	REMOVAL MISC.: HISTORICAL MILE POST	8	∣ ြ
				2										2	202	98100	2	EACH	REMOVAL MISC.:WOOD POST	8	
																00100	ļ .	5.00	DELICITION WITTER CLOTHER CLOTH		╛╛
			7.0	1							<u> </u>			1	202	98100	1 70	EACH	REMOVAL MISC.:WHITE CASTLE SIGN	/	
			<i>36</i>											36	202	98200	36	FT	REMOVAL MISC.: TIMBER PLANTER	8	_ <u>~</u>
-		314	52 301	431							<u> </u>			52	202	98200 98400	52	FT SF	REMOVAL MISC.: TIMBER WALL REMOVAL MISC.: CONCRETE PAD	8	┨
		314	381 29	431							 			1,126 29	202 202	98400	1,126 29	SF SF	REMOVAL MISC.: CONCRETE PAD	0	
+			23								1			23	202	30400	23	31	TEMOVAL MISC. TAVEN DECORS	- 6	ვ
													2,499	2,499	203	10000	2,499	CY	EXCAVATION		⊣
													1,787	1,787	203	20000	1,787	CY	EMBANKMENT		1
													,								
									2 , 943	3,329	2,060	520		8,852	204	10000	8,852	SY	SUBGRADE COMPACTION		
				1										1	511	81300	1	EACH	CONCRETE, MISC.:CAST STONE HISTORICAL MILE MARKER	195	_
						18,410	17,662				<u> </u>			36,072	608	10000	36,072	SF	4" CONCRETE WALK		4
							879							879	608	52000	879	SF	CURB RAMP		4
							1,701							1,701	608	52001	1,701	SF	CURB RAMP, AS PER PLAN	/	-
11														11	623	38500	11	EACH	MONUMENT ASSEMBLY, TYPE C		-
13														13	623	40520	13	EACH	RIGHT-OF-WAY MONUMENT, TYPE B		1
15														LS	878	25000	LS	LAOIT	INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS		1
																					1
																			EROSION CONTROL		1
	2													2	659	00100	2	EACH	SOIL ANALYSIS TEST		
	140													140	659	00300	140	CY	TOPSOIL		
	1,256													1,256	659	10000	1,256	SY	SEEDING AND MULCHING		4
	63													63	659	14000	63	SY	REPAIR SEEDING AND MULCHING		4
	63													63	659	15000	63	SY	INTER-SEEDING		
	0.18													0.18	659	20000	0.18	TON	COMMERCIAL FERTILIZER		
-	0.26													0.26	659	31000	0.26	ACRE	LIME		-
	8													8	659	35000	8	MGAL	WATER		⊣ ဋ
														LS	832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN		
														LS	832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS		ہٰ ∃
														LS	832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE		
											-			55,000	832	30000	55,000	EACH	EROSION CONTROL		⊣ ì
										-	 				+	+		-	ENVIRONMENTAL / REMEDIATION		⊢ <
-	2,800									1	1			2,800	SPECIAL	69065000	2,800	TON	WORK INVOLVING NON-REGULATED MATERIALS	8	<u>ا</u> و
-	2,800										1			2,800 2,800	SPECIAL	69065016	2,800	TON	WORK INVOLVING NON-REGULATED MATERIALS WORK INVOLVING PETROLEUM CONTAMINATED SOIL	8	- ⊔
	9,000										1			9,000	SPECIAL	69065022	9,000	GAL	WORK INVOLVING PETROLEOM CONTAMINATED SOIL WORK INVOLVING NON-REGULATED WATER	8	1
	9,000													9,000	SPECIAL	69065024	9,000	GAL	WORK INVOLVING REGULATED WATER	8	1
	· ·																				<u> </u>
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_						SHEET	NUM.	_				(\	PA	ŘΤ ^Υ	IT/EM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET	
6	7	11		68	69	70	71	72	73	74	75	>	01/SAF/21	02/NHS/05	. ,	EXT	TOTAL	UNII	DESCRIPTION	NO.	LALCI
												7	W	ىب	9				DOLUMOS		7
	50			60										110	605	13300	110	FT	DRAINAGE 6" UNCLASSIFIED PIPE UNDERDRAINS		\dashv
				1,684	2,280	373	2,589							6,926	605	14000	6,926	FT	6" BASE PIPE UNDERDRAINS		Ⅎ
				7,										1,7.			1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				╛
00				89										289	611	00900	289	FT	6" CONDUIT, TYPE B		
20														200	611	01100	200	FT	6" CONDUIT, TYPE C		
00														200	611	01400	200	FT	6" CONDUIT, TYPE E		
00	50			70	1		10							250	611	01500	250	FT	6" CONDUIT, TYPE F		_
	<u> </u>			30		6	16							52	611	02000	52	FT	8" CONDUIT, TYPE C		_
				78	306	172	1,141						649	1,048	611	04400	1,697	FT	12" CONDUIT, TYPE B		_
				58	335	92	331						323	493	611	04600	816	FT	12" CONDUIT, TYPE C		_
							48							48	611	05900	48	FT	15" CONDUIT, TYPE B		
						6								6	611	06100	6	FT	15" CONDUIT, TYPE C		
				6	19		25							50	611	07400	50	FT	18" CONDUIT, TYPE B		_
				6			38							44	611	07600	44	FT	18" CONDUIT, TYPE C		
				010			44						017	C 41	CII	10.400	054		24// CONDUIT TYPE D		
				810 549			72 72						213 124	641 497	611 611	10400	854 621	FT FT	24" CONDUIT, TYPE B 24" CONDUIT, TYPE C		
				145			12						29	116	611	13400	145	FT	30" CONDUIT, TYPE B		_
				240									48	192	611	13600	240	FT	30" CONDUIT, TYPE C		_
				734		115							170	679	611	16400	849	FT	36" CONDUIT, TYPE B		
				457		463							184	736	611	16600	920	FT	36" CONDUIT, TYPE C		
	<u> </u>			1		772							154	618	611	19400	772	FT	42" CONDUIT, TYPE B		_
						413							83	330	611	19600	413	FT	42" CONDUIT, TYPE C		_
						593 407							119 81	474 326	611 611	20900 21100	593 407	FT FT	48" CONDUIT, TYPE B 48" CONDUIT, TYPE C		_
	<u> </u>					407							01	320	OII	21100	407	F1	40 CONDOIT, TIPE C		_
						219								219	611	22400	219	FT	54" CONDUIT, TYPE B		_
						77								77	611	22600	77	FT	54" CONDUIT, TYPE C		_
					2		12						8	6	611	98151	14	EACH	CATCH BASIN, NO. 3, AS PER PLAN	7	
					23	4	25						31	21	611	98181	52	EACH	CATCH BASIN, NO. 3A, AS PER PLAN	7	
				1	3		2							6	611	98370	6	EACH	CATCH BASIN, NO. 6		_
														ļ	C11	00700		FACIL	CATCU DACIN NO 7		_
	5				5	1	4							5 10	611 611	98390 98470	5 10	EACH EACH	CATCH BASIN, NO. 7 CATCH BASIN, NO. 2-2B		_
					3	4	4							4	611	98540	4	EACH	CATCH BASIN, NO. 2-26		_
				1		1								1	611	98710	1		INLET, NO. 2-6		_
				29		22	4						34	21	611	99574	55	EACH	MANHOLE, NO. 3		_
				1		1							2		611	99575	2	EACH	MANHOLE, NO. 3, AS PER PLAN(72" DIA)	128,135	5
							1							1	611	99586	1	EACH	MANHOLE, NO. 3 WITH 108" BASE I.D. AND 12" WEIR		
							1							1	611	99654	1	EACH	MANHOLE ADJUSTED TO GRADE		_
					50		20							00	070	70000	0.2		TOCHCH DOATH TYPE D WITH CTANDARD COATE		_
					56		26							82	839	30000	82	FT	TRENCH DRAIN, TYPE B WITH STANDARD GRATE		_
							1							1	895	10040	1	EACH	MANUFACTURED WATER QUALITY STRUCTURE, TYPE 4		_
							,								000	10010	† '	EAGIT	IMMORATORED WATER GORETT STROOTORE, THE T		-
																			PAVEMENT		
	100													100	251	01000	100	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)		_
	10,000													10,000	252	01500	10,000	FT	FULL DEPTH PAVEMENT SAWING		
	100													100	253	01000	100	SY	PAVEMENT REPAIR		_
		17.100						74.050						47.010	054	01000	47.010	CV	DAVISUST BUANTING ASSUMED ASSUMED AS		_
		13,160					3	34 , 658						47,818	254	01000	47,818	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1"		_
0								233						343	301	56000	343	CY	ASPHALT CONCRETE BASE, PG64-22, (449)		_
								233		163	106			269	301	56100	269	CY	ASPHALT CONCRETE BASE, PG64-22, (449), (DRIVEWAYS)		_
						1		736	951		<u> </u>			1,687	304	20000	1,687	CY	AGGREGATE BASE		_
								4,175	2,681					6,856	305	10010	6,856	SY	6" CONCRETE BASE, CLASS QC IP		_
		1,415						4,175	310	87	57			6,044	407	20000	6,044	GAL	NON-TRACKING TACK COAT		_
				1		1											1				_
			-			<u> </u>				41	27			68	441	50000	68	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22		_
		000	1	1	1	1		1 510	117		-			2 222	110	10000	2 222	0.4	ACRIMIT CONCRETE CUREACE COURCE 10 F MM TVPE A (AAC)	-	_
		600						1,516 2,019	113 149					2,229 2,168	442 442	10000	2,229 2,168	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446) ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)		_
							-	دا ۱۰ و ۲	U 7.7					2,100	772	10100	2,100	- U1	ASTINET CONTOLETE INTERMIEDIATE COURSE, IS WIM, TITE A (440)		_
										891	154			1,045	452	12010	1,045	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC IP		_
						1		229	1,191		<u> </u>			1,420	452	14010	1,420	SY	10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P		_
								3,624	4,797	645	1,455			10,521	609	26000	10,521	FT	CURB, TYPE 6		_
		ı	1	T	T .	I		863			I		883	I	609	72000	883	SY	CONCRETE MEDIAN		

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SEE				GRAND	ITEM		₹Ť. `	PAF	١ ' ح				NUM.	SHEET						
SHEE'		DESCRIPTION	UNIT	TOTAL	EXT	ITEM	02/NHS/05	01/SAF/21	5				67	14	13	11	10	9	8	7 <i>A</i>
		WATER WORK				$\overline{}$			\	-+-+		 								
PZAN	JOINTS AND FITTINGS, AS PE	6" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 52, PUSH-ON JOINTS AND FITTI	FT	86	00601	7638	86	\ \ \					86							
7 <i>A</i>	,	FIRE HYDRANT ADJUSTED TO GRADE, AS PER PLAN	EACH	10	10401	638	10	\sim												10
7 <i>A</i>	! PLAN	FIRE HYDRANT AND GATE VALVE REMOVED AND RESET, AS PER PLAN	EACH	5	10601	638	5						5							
		VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	EACH	31	10801	638	31													31
7 <i>A</i>	,	WATER WORK, MISC.:CUT AND PLUG EXISTING SPRINKLER LINES	EACH	10	98000	638	10												10	
		LIGHTING																		
177		LIGHTING GENERAL SUMMARY																		
		TRAFFIC CONTROL																		
142		TRAFFIC CONTROL GENERAL SUMMARY																		
		TRAFFIC SIGNALS										<u> </u>								
164		TRAFFIC SIGNALS GENERAL SUMMARY																		
												<u> </u>								
										\rightarrow	\longrightarrow	 	\leftarrow							
										\rightarrow		 								
		MATHEMANIC OF TOUCES										 	+							
		MAINTENANCE OF TRAFFIC	CV	700	10000	410		700				 						700		
		TRAFFIC COMPACTED SURFACE, TYPE A OR B	CY	300	12000	410		300				 						300		
	CE	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	HOUR	2,000	11110	614		2,000			———	+	\leftarrow			2,000				
		WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)		2,000	12380	614		2,000		\rightarrow					1	2,000				
	EUTIONALI	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC		20	13000	614		20		\rightarrow		-						20		
		BARRIER REFLECTOR, TYPE 1 (ONE-WAY)		76	13310	614		76		\rightarrow	+	 			50		26	20		
		OBJECT MARKER, ONE WAY		76	13350	614		76		- - 		 			50		26			
		ODUECT MARKEN, ONE WAT	EAUH	10	13330	014		70		- - 		 			30		20			
10		PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	SNMT	1	18601	614		1		\rightarrow		 					1			
		WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT		3.66	20100	614	1.83	1.83		\rightarrow		 		2.63	1.03		- /			
		WORK ZONE LANE LINE, CLASS II, 4", 642 PAINT		2.56	20550	614	1.28	1.28		\rightarrow	-	 		2.03	1.03			2.56		
		WORK ZONE CENTER LINE, CLASS III, 4, 642 PAINT WORK ZONE CENTER LINE, CLASS II, 642 PAINT		1.79	21500	614	0.89	0.9		\rightarrow		\vdash		0.81	0.98			2.30		
		WORK ZONE CENTER LINE, CLASS II, 642 PAINT WORK ZONE CENTER LINE, CLASS III, 642 PAINT		0.99	21550	614	0.49	0.5		\rightarrow				0.01	0.30			0.99		
		WORK ZONE CENTER LINE, CLASS III, 642 TAINT	WILL	0.99	21000	014	0.43	0.5		\rightarrow	-	+						0.33		
		WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT	MĪLE	2.76	22100	614	1.38	1.38		\rightarrow	-	 		0.95	1.81					
		WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT		1.74	22350	614	0.87	0.87		\rightarrow				0.00	1.01			1.74		
		WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT		6,895	23200	614	3,448	3,447						1,247	5 , 648			7.11		
		WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT		2,944	23680	614	1,472	1,472						1,22 11	0,010			2,944		
		WORK ZONE DOTTED LINE, CLASS III, 4", 642 PAINT		1,659	24610	614	829.5	829.5		\rightarrow		+						1,659		
		The state of the case of the c		,,,,,,,	27070					\rightarrow		†						,,,,,,,		
		WORK ZONE STOP LINE, CLASS I, 642 PAINT	FT	246	26200	614	123	123						118	128					
		WORK ZONE STOP LINE, CLASS III, 642 PAINT		534	26610	614	267	267		\rightarrow				.,,,				534		
		WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT		1,494	27050	614	747	747						870	624					
		WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT		1,606	27250	614	803	803										1,606		
		WORK ZONE ARROW, CLASS I, 642 PAINT	EACH	52	30200	614	26	26						6	15			31		
10		BUSINESS ENTRANCE SIGN, AS PER PLAN	EACH	25	40051	614		25									25			
		WATER		30	10000	616	15	15										30		
		PORTABLE BARRIER, UNANCHORED	FT	1,240	41100	622		1,240				igsquare			1,240					
												igsquare								
										\longrightarrow										
																				
																				
																				
																				
												 								
										\longrightarrow		 								
										\longrightarrow										
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										\longrightarrow										
		THOTOGUTAL C										+								
		INCIDENTALS		1.0	11000	014	-, -	, ,				1								
		MAINTAINING TRAFFIC	INITII	LS	11000	614	LS	LS				 	+							
		· · · · · · · · · · · · · · · · · · ·	MNTH	9	16010	619	5	4				 	+							
		CONSTRUCTION LAYOUT STAKES AND SURVEYING		LS	10000	623	LS	LS					+							
		MOBILIZATION		LS	10000	624	LS	LS		\longrightarrow		+								
			I	1						\longrightarrow		\perp								

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			 	SHEE	ET NUM	IBER	1	, ,	<u> </u>	, ,		PARTIC	PATION	ITBM	ITEM	GRAND	UNIT	DESCRIPTION	SEE	<u>.</u>
			143	144	145	146	147	148				ک	01/ SAF/ 21		EXT.	TOTAL	UNII	DESCRIPTION	SHEET NO.	
													人人					TRAFFIC CONTROL		\exists
				104									104	620	70010	104	FT	DELINEATOR, MISC.: PLASTIC CURB AND DELINEATORS	141	
			303	55	39								397	621	00100	397	EACH	RPM		-
			303	55	39								397	621	54000	397		RAISED PAVEMENT MARKER REMOVED		
							1	1					2	625	32000	2	EACH	GROUND ROD		
						168	112	126					406	630	02100	406	FT	GROUND MOUNTED SUPPORT, NO. 2 POST		
						240	160	180					580	630	03100	580		GROUND MOUNTED SUPPORT, NO. 3 POST		
						14	56						70	630	08520	70	FT	STREET NAME SIGN SUPPORT, NO. 3 POST		
							1	1					1 1	630 630	72551 72561	1		OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 13, AS PER PLAN OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 14, AS PER PLAN	141	
							'						- '	630	12501	'	EAUT	OVERHEAD SIGN SUPPORT, TIPE TC-10.22, DESIGN 14, AS PER PLAN	141	_
							7	6					13	630	79100	13	EACH	SIGN HANGER ASSEMBLY, MAST ARM		
						9	14	1			-		24	630	79500	24	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED		
						181.3	202.9	182.0 1					566.2	630 630	80100 84510	566.2		SIGN, FLAT SHEET		
						7	11	11					2 29	630 630	84510 84900	2 29		RIGID OVERHEAD SIGN SUPPORT FOUNDATION REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL		_
		-+				,	, , , , , , , , , , , , , , , , , , ,	"					1		3,000		LAUII	TEMPORE OF OROUND MODIFIED OLON AND DIGITOONE		_
						5	3	1					9	630	85100	9		REMOVAL OF GROUND MOUNTED SIGN AND REERECTION		_
						10	17	11					38	630	86002	38		REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL		
							1	4					4	630 630	87500 87520	1		REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL REMOVAL OF POLE MOUNTED SIGN AND REERECTION		
							1	1					2	632	77233	2		SIGNAL SUPPORT, MECHANICAL DAMPER FOR TC-81.21 MAST ARM (GREATER THAN 39'	141	_
																		LENGTH), AS PER PLAN		
			1.61 2.51		0.15 0.05								1.76 2.56	644 644	00104 00204	1.76 2.56	MILE MILE	EDGE LINE, 6" LANE LINE, 6"		
			0.54	0.18	0.22								0.94	644	00300	0.94	MILE	CENTER LINE		_
			812	1377	1010								3199	644	00400	3199	FT	CHANNELIZING LINE, 8"		_
			114	215	205								534	644	00500	534	FT	STOP LINE		
				777	000								1602	644	00620	1602	ГТ	CDOCCWALK LIME 10W		
			56	733	869 25								1602 25	644	00020	1602 25	FT FT	CROSSWALK LINE, 12" CHEVRON MARKING		_
			13	11	12								36	644	01300	36	EACH	LANE ARROW		
			385	555	1165								2105	644	01500	2105		DOTTED LINE, 4"		
				100									100	644	01510	100	FT	DOTTED LINE, 6"		_
				113	315								428	644	01514	428	FT	DOTTED LINE 8"		_
			6	4	6								16	644	01630	16		BIKE LANE SYMBOL MARKING		
																				_
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		S	HEET I	NUMBE	R			PARTIC	PATION 01/	\ ITJEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
						167	171	}	SAF/ 21	7	EXT.	TOTAL			
									ىد					SIGNALS	
						107	230		337	625	25400	337	FT	CONDUIT, 2", 725.04	
						10	10		20	625	25500	20	FT	CONDUIT, 3", 725.04	
						290 60	425 105		715 165	625 625	25902 29000	715 165	FT FT	CONDUIT, JACKED OR DRILLED, 725.04, 3" TRENCH	160
						3	3	+	165 6	625 625	30700	165	EACH	PULL BOX, 725.08, 18"	160
									- 0	023	30700		LACIT	1011 001, 120.00, 10	
						1 7	1 8		2 15	625 625	30706 32000	2 15	EACH EACH	PULL BOX, 725.08, 24" GROUND ROD	
						3	4		7	630	79101	7	EACH	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN	160
						52	53		105	630	80100	105	SQ FT	SIGN, FLAT SHEET	
						9	9		18	632	05007	18	EACH	VEHICULAR SIGNAL HEAD, (LED), BLACK, 3-SECTION, 12" LENS, 1-WAY,	162
						3	6		9	632	05087	9	EACH	POLYCARBONATE, AS PER PLAN VEHICULAR SIGNAL HEAD, (LED), BLACK, 5-SECTION, 12" LENS, 1-WAY,	162
 						, ,	0		3	032	05067	3	EAUH	POLYCARBONATE, AS PER PLAN	162
			 			8	8	+ -	16	632	20731	16	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	161-16
						12	13		25	632	25001	25	EACH	COVERING OF VEHICULAR SIGNAL HEAD, AS PER PLAN	162
						8	8		16	632	25011	16	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD, AS PER PLAN	162
						8	8		16	632	26001	16	EACH	PEDESTRIAN PUSHBUTTON, AS PER PLAN	162
						2798	4822		7620	632	40700	7620	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
						3	4		7	632	64011	7	EACH	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	161
						3 811	3 1411		6 2222	632 632	64021 65200	6 2222	EACH FT	PEDESTAL FOUNDATION, AS PER PLAN LOOP DETECTOR LEAD-IN CABLE	161
						011	1411		2222	032	03200	2222	FI	LOOP DETECTION LEAD-IN CABLE	
						150	50		200	632	68100	200	FT	POWER CABLE, 1 CONDUCTOR, NO. 6 AWG	
						50	175		225	632	69800	225	FT	SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG	
						1	1		2	632	70001	2	EACH	POWER SERVICE, AS PER PLAN	161
						1	1		2	632	70400	2	EACH	CONDUIT RISER, 2" DIAMETER	
						1			1	632	75485	1	EACH	SIGNAL SUPPORT, TYPE TC-12.30, DESIGN 10 POLE, WITH MAST ARMS	161
														TC-81.21 DESIGN 14 AND DESIGN 12, AS PER PLAN	
						1			0	670	77077	0	FACU	CICNAL CURRORT MECHANICAL DANDER FOR TO 01.21 MACT ARM (CREATER THAN 70/ IN	161
						4	4		8	632	77233	8	EACH	SIGNAL SUPPORT, MECHANICAL DAMPER FOR TC-81.21 MAST ARM (GREATER THAN 39' IN LENGTH), AS PER PLAN	161
						1			1	632	80603	1	EACH	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 12, AS PER PLAN	161
						1			1	632	80621	1	EACH	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 13, AS PER PLAN	161
							4		4	632	80629	4	EACH	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 14, AS PER PLAN	161
						2	2		4	632	90001	4	EACH	PEDESTAL, 11', TRANSFORMER BASE, AS PER PLAN	161
						1	1		2	632	90010	2	EACH	PEDESTAL, MISC.: 17', TRANSFORMER BASE	161
						/	 '		2	632	90101	2	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	160-16
						1	,	+	2	633	65511	2	EACH	CABINET, TYPE TS-2, AS PER PLAN	162
						1	1	+	2	633	67101	2	EACH	CABINET, TIPE 13-2, AS PER PLAN CABINET FOUNDATION, AS PER PLAN	162
						1	1	1	2	633	67201	2	EACH	CONTROLLER WORK PAD, AS PER PLAN	162
						1	1	1	2	633	75001	2	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	162
						1	1		2	633	99000	2	EACH	CONTROLLER ITEM, MISC.: UNMANAGED ETHERNET SWITCH	162
						,	,		2	633	99000	2	EACH	CONTROLLER ITEM, MISC.: ETHERNET RADIO (UBIQUITY)	100 10
						1			۷			۷			162,16
							1			804	98100	1	EACH	FIBER OPTIC CABLE, MISC.: RELOCATE EXISTING CABLE	163
						2	4		6	809	69000	6	EACH	ADVANCE RADAR DETECTION	163
						3	4		7	809	69100	7	EACH	STOP LINE RADAR DETECTION	162
						1	1		2	809	69123	2	EACH	ATC CONTROLLER, AS PER PLAN	162-16
										809	70000	LS		MAINTAINING ITS DURING CONSTRUCTION	
	1									003	70000	LJ		MALITALINO TTO DOMINO CONSTRUCTION	
			1												
					1							1 1			

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PADLOCKS FURNISHED SHALL BE EITHER BRASS OR BRONZE, EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNAN 660A, AND SHALL BE KEYED IN ACCORDANCE WITH CMS 631.06. PAYMENT SHALL BE INCLUDED IN THE BID FOR THE ITEM(S) BEING LOCKED.

625, POWER SERVICE, AS PER PLAN
IN ADDITION TO SECTION 632.24, ELECTRIC POWER SHALL BE
OBTAINED FROM THE AMERICAN ELECTRIC POWER COMPANY (AEP).
POWER SHALL BE SUPPLIED AT 480 VOLTS. DISCONNECT SWITCH AND
METER BASE SHALL BE FURNISHED AND INSTALLED BY THE
CONTRACTOR, AS DIRECTED BY THE ENGINEER. AN ODOT KEYED
PADLOCK OR DEVICE APPROVED BY THE MAINTAINING AGENCY'S
MAINTENANCE FORCES IS TO BE PROVIDED FOR THE DISCONNECT SWITCH ENCLOSURE. THE CONTRACTOR SHALL COORDINATE WITH AEP FOR FINAL POWER SERVICE SOURCE LOCATION.

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS:
AMERICAN ELECTRIC POWER (AEP) (DISTRIBUTION), 850 TECH CENTER DRIVE,
GAHANNA, OHIO 43230-6605 ATTN: PAUL PAXTON 614-883-6831

THE ADDRESS IS: 3610 WEST BROAD STREET, COLUMBUS, OHIO.

ANY POWER COMPANY "MAKE READY" CHARGES WILL BE REIMBURSED
"AT COST" WITH NO MARK-UP. AEP SHALL MAKE ALL TRANSFERS OF
POWER SERVICE AND UNDER NO CIRCUMSTANCES SHALL THE
CONTRACTOR ATTEMPT TO DO THIS ITEM OF WORK. A DISCONNECT
SWITCH AND METER BASE SHALL BE INSTALLED AND MOUNTED ON THE POLE.

ELECTRIC SERVICE IS TO BE AERIAL. UNFUSED SERVICE CABLE SHALL BE RUN IN A CONDUIT SEPARATE FROM SIGNAL AND DISTRIBUTION CABLE. THE PROPOSED POWER SERVICE SHALL BE SINGLE PHASE, 3-WIRE AND 480 VOLTS CAPABLE OF PROVIDING SERVICE TO THE PROPOSED 480 VOLT LIGHTING CIRCUITS FOR THIS PROJECT AS LISTED IN THE CONTROL CENTER DATA TABLE.

WHERE APPLICABLE, ELECTRICAL ENERGY FROM EXISTING POWER SERVICES SHALL CONTINUE TO BE CHARGED TO THE MAINTAINING AGENCY. A NEW POWER SERVICE ACCOUNT SHALL BE ESTABLISHED IN THE NAME OF THE FOLLOWING MAINTAINING AGENCIES AS LISTED IN THE CONTROL CENTER DATA TABLE:

STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, DISTRICT SIX, 400 EAST WILLÍAM STREET, DELAWARE, OHIO 43015

CALCULATE AND PROVIDE A LIST OF LOADS AS REQUIRED BY THE UTILITY COMPANY TO OBTAIN SERVICE.

PROVIDE A GROUND ROD AS PART OF THIS ITEM AT THE LOCATION IDENTIFIED ON THE PLANS.

PAYMENT SHALL BE MADE AT THE UNIT BID PRICE FOR EACH CMS ITEM 625 POWER SERVICE, AS PER PLAN WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED FOR MAKING A COMPLETE POWER SERVICE CONNECTION IN A SATISFACTORY AND WORKMANLIKE MANNER.

625, LIGHT POLE, CONVENTIONAL, <TYPE>, AS PER PLAN IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, LIGHT POLES SHALL INCLUDE THE

AFTER GALVANIZING, POWDER COAT THE POLE AND ACCESSORIES BRONZE FEDERAL STANDARD NUMBER 595B #20040.

TRANSFORMER BASE, BRACKET ARMS, AND ACCESSORIES ARE TO BE SAME COLOR AS POLE.

PROVIDE THE STANDARD TRUSS ARM HIGH RISE STYLE SHOWN ON HL-10.11.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH CMS ITEM 625, "LIGHT POLE, CONVENTIONAL, <TYPE>, AS PER PLAN" FOR EACH LIGHT POLE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED.

625, LIGHT POLE FOUNDATION, 24" X 6', AS PER PLAN
IN ADDITION TO THE REQUIREMENTS OF 625.10, LIGHT POLE
FOUNDATIONS SHALL BE AS FOLLOWS:

PROVIDE AT LEAST TWO CONDUIT ELLS (CAP UNUSED ELLS), SIZE ELLS AS PER THE PLANS.

PAYMENT WILL BE MADE AT THE UNIT PRICE BID UNDER CMS ITEM "625, LIGHT POLE FOUNDATION, AS PER PLAN" FOR EACH LIGHT POLE FOUNDATION WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED.

625, LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), IES-III, LED, 14400-21500 LUMENS, 480 VOLT, AS PER PLAN IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND

MATERIAL SPECIFICATIONS AND SUPPLEMENTAL SPECIFCATION 813 AND 913 LUMINAIRES FOR CONVENTIONAL LIGHTING SHALL BE AS FOLLOWS:

LUMINAIRES SHALL BE AMERICAN ELECTRIC LIGHTING (AEL) AUTOBAHN ATBM SERIES, 135W, (ATBM-P70-480-R3-3K-BZ-NL-XXX), COOPER EATON "VERDEON" SERIES 123W, (VERD-G-C02H-D-8-T3-7030-10K-EP66-4B-BZ), OR EQUAL APPROVED BY THE ENGINEER.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH CMS ITEM 625, "LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), IES-III, LED, 14400-21500 LUMENS, 480 VOLT, AS PER PLAN" FOR EACH LUMINAIRE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

GROUNDING AND BONDING

THE REQUIREMENTS OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS) AND THE HL AND TC SERIES OF STANDARD CONSTRUCTION DRAWINGS ARE MODIFIED AS FOLLOWS:

1. ALL METALLIC PARTS CONTAINING ELECTRICAL CONDUCTORS SHALL BE PERMANENTLY JOINED TO FORM AN EFFECTIVE GROUND FAULT CURRENT PATH BACK TO THE GROUNDED CONDUCTOR IN THE POWER SERVICE DISCONNECT SWITCH.
a. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN METALLIC CONDUITS (725.04) IN ADDITION TO THE CONDUCTORS SPECIFIED AND BOND THE CONDUIT TO THIS GROUNDING CONDUCTOR.
b. WHEN AN EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED IN PLASTIC CONDUIT (725.05), THE INSTALLATION SHALL INCLUDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN ADDITION TO THE CONDUCTORS SPECIFIED.

CONDUCTORS SPECIFIED.

c. METALLIC CONDUIT CARRYING THE LOOP WIRES FROM IN THE PAVEMENT TO THE PULL BOX SPLICE LOCATION WILL ONLY BE BONDED AT THE PULL BOX END, AND WILL NOT CONTAIN AN EQUIPMENT GROUNDING CONDUCTOR.

d. METAL PULL BOX LIDS SHALL BE BONDED BY ATTACHMENT OF THE EQUIPMENT GROUNDING CONDUCTOR TO THE FRAME DIAGONAL AS

THE EQUIPMENT GROUNDING CONDUCTOR TO THE FRAME DIAGONAL AS PROVIDED ON HL-30.11.

e. IF MULTIPLE CONDUIT RUNS BEGIN AND END AT THE SAME POINTS, ONLY ONE EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED.
f. IF AN EQUIPMENT GROUNDING CONDUCTOR IS NEEDED IN CONDUIT BETWEEN SIGNALIZED INTERSECTIONS FOR UNDERGROUND INTERCONNECT CABLE, THE GROUNDING SYSTEM FOR EACH SIGNALIZED INTERSECTION WILL BE SEPARATED ABOUT MIDWAY BETWEEN THE INTERSECTIONS.

INTERSECTIONS.

9. THE MESSENGER WIRE AT SIGNALIZED INTERSECTIONS WILL BE USED AS THE CONDUCTIVE PATH FROM CORNER TO CORNER IF CONDUIT IS NOT PROVIDED UNDER THE ROADWAY. WHEN CONDUIT CONNECTS THE CORNERS OF AN INTERSECTION, AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE USED IN THE CONDUIT.

CONDUITS.

a. THE 725.04 CONDUIT SHALL HAVE GROUNDING BUSHINGS
INSTALLED AT ALL TERMINATION POINTS. THE BUSHING MATERIAL
SHALL BE COMPATIBLE WITH GALVANIZED STEEL CONDUIT AND THE
GROUNDING LUG MATERIAL SHALL BE COMPATIBLE FOR USE WITH COPPER WIRE. THREADED OR COMPRESSION TYPE BUSHINGS MAY BE USED.

THE 725.05 CONDUIT SHALL HAVE THE INSIDE AND OUTSIDE DIAMETERS OF THE CONDUIT DE-BURRED AT ALL TERMINATION

POINTS.

c. BOTH ENDS OF METALLIC CONDUIT SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

METALLIC CONDUIT MAY BE BONDED TO METALLIC BOXES THROUGH THE USE OF CONDUIT FITTINGS UL APPROVED FOR THIS TYPE OF CONNECTION, WITH THE BOX BONDED TO THE EQUIPMENT GROUNDING CONDUCTÓR.

3. WIRE FOR GROUNDING AND BONDING. a. USE INSULATED, COPPER WIRE FOR THE EQUIPMENT GROUNDING CONDUCTOR. BONDING JUMPERS IN BOXES AND ENCLOSURES MAY BE BARE OR INSULATED COPPER WIRE. WIRE SIZE SHALL BE AS FOLLOWS:

i. USE 4 AWG BETWEEN THE POWER SERVICE AND SUPPORTS, POLES, PEDESTALS, CONTROLLER OR FLASHER CABINETS.
ii. USE A MINIMUM 8 AWG BETWEEN LOOP DETECTOR PULL BOXES AND THE FIRST CONDUIT THAT REQUIRES A LARGER SIZE AS SPECIFIED IN 3.A.I ABOVE.

iii. USE A MINIMUM 8 AWG BETWEEN THE "PREPARE TO STOP WHEN FLASHING" INSTALLATION (INCLUDING SUPPORT) AND THE FIRST CONDUIT THAT REQUIRES A LARGER SIZE AS SPECIFIED IN 3.A.I ABOVE.

iv. THE INSULATION SHALL BE GREEN OR GREEN WITH YELLOW STRIPE(S). FOR 4 AWG OR LARGER, INSULATION MAY ALSO BE BLACK WITH GREEN TAPE/LABELS INSTALLED AT ALL ACCESS POINTS. b. IN A HIGHWAY LIGHTING SYSTEM, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE THE SAME WIRE SIZE AS THE DUCT CABLE OR DISTRIBUTION CABLE CIRCUIT CONDUCTORS, WITH THE MINIMUM

CONDUCTOR SIZE OF 4 AWG. BONDING JUMPERS WILL BE MINIMUM SIZE 4 AWG.

4. GROUND ROD

a. A 3/4 INCH SCHEDULE 40 PVC CONDUIT WILL BE USED IN FOUNDATIONS AND CONCRETE WALLS FOR THE GROUNDING CONDUCTOR (GROUND WIRE) RACEWAY TO THE GROUND ROD. SHOULD METALLIC CONDUIT BE USED, BOTH ENDS OF THE CONDUIT SHALL BE BONDED TO THE GROUNDING CONDUCTOR.

b. THE TYPICAL GROUNDING CONDUCTOR (GROUND WIRE) SHALL BE 4 AWG INSULATED, COPPER.

5. THE GREEN CONDUCTOR IN SIGNAL CABLES (CONDUCTOR #4)
SHALL NOT BE USED TO SUPPLY POWER TO A SIGNAL INDICATION. IT
WILL BE CONNECTED TO THE SIGNAL BODY AS AN EQUIPMENT GROUND
IN ALUMINUM HEADS AND IT WILL BE UNUSED IN PLASTIC HEADS. UNUSED CONDUCTORS SHALL BE GROUNDED IN THE CABINET. TYPICAL USE OF CONDUCTORS IS AS FOLLOWS:

COND. VEHICLE SIGNAL PEDESTRIAN COLOR NO. SIGNAL #1 WALK AC NEUTRAL WHITEAC NEUTRAL RED BALL #1 DW/FDW EQUIPMENT GROUND EQUIPMENT GROUND **GREEN** ORANGE YELLOW BALL GREEN ARROW #2 DW/FDW BI UF #2 WALK WHITE/BLACK NOT USED YELLOW ARROW

STRIPE 6. POWER SERVICE AND DISCONNECT SWITCH.

a. AT THE POWER SERVICE LOCATION, THE GROUNDING CONDUCTOR (GROUND WIRE) FROM THE DISCONNECT SWITCH NEUTRAL (AC-) BAR TO THE GROUND ROD SHALL BE A CONTINUOUS, UNSPLICED CONDUCTOR. IF SPLICED, IT SHALL BE AN EXOTHERMIC WELD BUTT SPLICE.

b. THE SERVICE NEUTRAL (AC-) SHALL ONLY BE CONNECTED TO

b. THE SERVICE NEUTRAL (AC-) SHALL ONLY BE CONNECTED TO GROUND AT THE PRIMARY POWER SERVICE DISCONNECT SWITCH.

i. NEMA CONTROLLER CABINETS: IF A POWER SERVICE DISCONNECT SWITCH IS LOCATED BEFORE THE CONTROLLER CABINET, THE NEUTRAL (AC-) AND THE GROUNDING BARS IN THE CONTROLLER CABINET SHALL NOT BE CONNECTED TOGETHER AS SHOWN IN NEMA TS-2, FIGURE 5-4.

ii. IF SECONDARY DISCONNECT SWITCHES ARE CONNECTED AFTER THE PRIMARY DISCONNECT SWITCH. EQUIPMENT GROUNDING BE GROUNDED AT THE PRIMARY SWITCH. EQUIPMENT GROUNDING CONDUCTORS SHALL BE BROUGHT TO THE PRIMARY SWITCH BUT SHALL CONDUCTORS SHALL BE BROUGHT TO THE PRIMARY SWITCH, BUT SHALL BE GROUNDED AT BOTH SECONDARY AND PRIMARY SWITCHES.

7. STRUCTURE GROUNDING: HL-50.21 SHOWS A 1/O AWG STRANDED COPPER CABLE USED FOR STRUCTURE GROUNDING. ADDITIONALLY, THIS SAME CABLE SHALL BE INSULATED AND ANY CONNECTIONS AND BARE COPPER STRANDS EXPOSED TO CONCRETE SHALL BE COVERED WITH MASTIC TO PREVENT CONTACT WITH THE CONCRETE.

8. PAYMENT. a. ALL MATERIALS AND WORK REQUIRED TO COMPLETE THE EFFECTIVE GROUND FAULT CURRENT PATH SYSTEM ARE INCIDENTAL TO THE CONDUCTORS INSTALLED BY CONTRACT. WORK ON BRIDGES MAY BE INCLUDED IN THE BID ITEM FOR "ITEM 625, STRUCTURE GROUNDING." C. IN A 3-WIRE HIGHWAY LIGHTING SYSTEM, THE THIRD CONDUCTOR OF THE DUCT CABLE OR DISTRIBUTION CABLE WILL BE

USED AS THE EQUIPMENT GROUNDING CONDUCTOR AND MAY AS SUCH BE PART OF THE CABLE BID ITEM.

625, ARC FLASH CALCULATIONS AND LABEL
THE CONTRACTOR SHALL SATISFY THE REQUIREMENTS OF ODOT SUPPLEMENTAL
SPECIFICATION 825 FOR EACH OF THE NEW LIGHTING CONTROL CENTERS INDICATED

THE CONTRACTOR MAY BE ABLE TO OBTAIN LABELS FOR ODOT MAINTAINED INSTALLATIONS FROM THE ODOT SIGN SHOP, 1606 WEST BROAD STREET, COLUMBUS, OH 43223. FOR NON-ODOT MAINTAINED INSTALLATIONS, THE IS RESPONSIBLE FOR OBTAINING THE LABEL. MADE FROM "ENGINEER GRADE" SIGN SHEETING OR AN EQUIVALENT COMMERCIAL LABEL MATERIAL.

THE ODOT OFFICE OF ROADWAY ENGINEERING HAS AN EXCEL SPREADSHEET AVAILABLE UPON REQUEST, TO ASSIST WITH MAKING AND DOCUMENTING THE REQUIRED CALCULATIONS. METHOD OF MEASUREMENT SHALL BE PER 825.06.

METHOD OF MEASUREMENT SHALL BE PER 825.06.

625, NO. 4 AWG 5000 VOLT DISTRIBUTION CABLE, AS PER PLAN 625, NO. 4 AWG 5000 VOLT DISTRIBUTION CABLE, AS PA 625, TRENCH, 24" DEEP, AS PER PLAN 625, CONDUIT, 2" 725.04, AS PER PLAN 625, DULL BOX, MISC.: COLUMBUS SIZE 13" X 24" 625, DISCONNECT CIRCUIT, AS PER PLAN 625, LIGHT POLE REMOVED, AS PER PLAN 625, LIGHT POLE FOUNDATION REMOVED, AS PER PLAN IN ADDITION TO THE REQUIREMENTS OF CMS ITEM 625, CONFORM TO THE REQUIREMENTS OF CHIS ITEM 625, CONFORM TO THE REQUIREMENTS OF THE CITY OF COLUMBUS PUBLIC UTILITIES STREET LIGHTING SPECIFICATIONS AVAILABLE FROM WWW.COLUMBUS.GOV/UTILITIES/STANDARDS/2018-STREET-LIGHTING-MIS/

SEE SHEET 189 FOR ADDITIONAL NOTES PERTAINING TO COLUMBUS SPECIFICATIONS.

		SHEE	ET NU	UMBE	R				PAR	TICIPATI	1)	ITEM	GRAND			SEE SHEE1	ET∐∐
					178	179	180	181	}	01/ SAF/	ITEM	EXT.	TOTAL	UNIT	DESCRIPTION	NO.	CALCL
									\longrightarrow	21	+				L <i>IGHTING</i>		\dashv
					94	50		3		<u> </u>	625	00450	147	EACH	CONNECTION, FUSED PULL APART		
							3	3		6	625	00480	6	EACH	CONNECTION, UNFUSED PERMANENT		
					45	23				68	625	10491	68	EACH	LIGHT POLE, CONVENTIONAL, AT15B32.5, AS PER PLAN	176	
					2					2	625	10491	2	EACH	LIGHT POLE, CONVENTIONAL, AT6B24.5, AS PER PLAN	176	_
					47	25				71	625	14001	71	EACH	LIGHT POLE FOUNDATION, 24" X 6' DEEP, AS PER PLAN	176	_
								210		210	625	22910	210	FT	NO. 2/0 AWG 2400 VOLT DISTRIBUTION CABLE		╛
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							13548	8874		2242.		23200	22422	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE		4
								666		666	625	23201	666	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE, AS PER PLAN	176	_
					5452	2668	7000	40.07		8120		23400	8120	FT	NO. 10 POLE AND BRACKET CABLE		_
							3682	1907		5589		25400	5589	FT	CONDUIT, 2" 725.04	170	\dashv
								177		177	625	25401	177	FT	CONDUIT, 2" 725.04, AS PER PLAN	176	\dashv
							10.4	570		700	005	05500	700		OONDUIT 7// 705 O.4		\dashv
							184	576		760	625	25500	760	FT	CONDUIT, 3" 725.04		\dashv
					17	27	233	211		444	625	25902	444	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"		\dashv
			-+		47	23				70	625	26251	70	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), IES-III, LED, 14400-21500 LUMENS, 480 VOLT, AS PER PLAN	170	\dashv
			-+				3066	2372		6070	625	29002	6238	ΕT	TRENCH, 24" DEEP	176	\dashv
			-+				3866	2312 177		6238 177	625 625	29002	6238 177	FT FT	TRENCH, 24" DEEP TRENCH, 24" DEEP, AS PER PLAN	176	\dashv
+ +			-+	-+			1	6		7	625	30700	7	EACH	PULL BOX, 725.08, 18"	1/6	\dashv
			-+	-			'	1		1	625	31600	1	EACH	PULL BOX, 725.08, 18 PULL BOX, MISC.: COLUMBUS SIZE 13" X 24"	176	\dashv
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+ +			-+	-+	47	26		 		72	625	32000	73	EACH	GROUND ROD		\dashv
					- ' '	20	1			1	625	34001	1	EACH	POWER SERVICE, AS PER PLAN	176	\exists
						.3	,			3	625	35010	3	EACH	REMOVE AND REERECT EXISTING LIGHT POLE	- ''*	Ⅎ
						J					020	30070	<u> </u>	EHOH	NEMOVE AND NEEDED PENISTING EIGHT / GEE		Ⅎ
						4				4	625	75400	4	EACH	LIGHT POLE REMOVED	176	Ⅎ
						2				2	625	75401	2	EACH	LIGHT POLE REMOVED, AS PER PLAN	176	_
						5				5	625	75500	5	EACH	LIGHT POLE FOUNDATION REMOVED	176	
						2				2	625	75501	2	EACH	LIGHT POLE FOUNDATION REMOVED, AS PER PLAN	176	
						162				162	625	75551	162	FT	DISTRIBUTION CABLE REMOVED, AS PER PLAN	180	
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						5				5	625	75800	5	EACH	DISCONNECT CIRCUIT		\neg
						2				2	625	75801	2	EACH	DISCONNECT CIRCUIT, AS PER PLAN	176	\neg
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