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320 609 31000 320 FT COMBINATION CURB AND GUTTER, TYPE 9	
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3 3 638 98000 3 EACH WATER WORK, MISC.: SPECIAL - VALVE MANHOLE (LUCAS COUNTY STANDARD)	
LIGHTING 16	
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2 625 00480 2 EACH CONNECTION, UNFUSED PERMANENT 8 8 625 10491 8 EACH LIGHT POLE, CONVENTIONAL, AS PER PLAN, AT04B30 8 625 14500 8 EACH LIGHT POLE FOUNDATION 490 625 23302 490 FT NO. 6 AWG 2400 VOLT DISTRIBUTION CABLE 720 720 625 23400 720 FT NO. 10 AWG POLE AND BRACKET CABLE 693 693 625 24324 693 FT 1-1/2" DUCT CABLE WITH THREE NO. 6 AWG 2400 VOLT CABLES 693 165 625 25400 165 FT CONDUIT, 2", 725.04 171 171 625 25500 171 FT CONDUIT, 3", 725.04 8 625 26252 8 EACH LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), TYPE III DISTRIBUTION 8 625 29003 864 FT TRENCH, 24" DEEP, AS PER PLAN	
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	73
	
6 6 625 30700 6 EACH PULL BOX, 725.08, 18"	
8 8 625 32000 8 EACH GROUND ROD	
1 1 625 34001 1 EACH POWER SERVICE, AS PER PLAN	73
864 864 FT PLASTIC CAUTION TAPE, AS PER PLAN	73
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LIGHTING GENERAL NOTES ARE SUPPLEMENTAL TO ITEMS 603, 625, AND 725 OF THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS, (CMS) DATED JANUARY 1, 2016, WHICH SHALL GOVERN ALL WORK OF THIS PROJECT, EXCEPT AS HEREINAFTER MODIFIED.

REFERENCE SHALL BE MADE TO STANDARD CONSTRUCTION DRAWINGS LISTED ON THE TITLE SHEET OF THE PLANS.

UNDERDRAINS FOR PULL BOXES

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REFERENCE IS MADE TO ODOT STANDARD DRAWING HL-30.11
FOR DETAILS OF DRAINING PULL BOXES. UNDERDRAINS FOR
PULL BOXES SHALL BE USED AS DIRECTED BY THE ENGINEER
AND SHALL BE PROVIDED WHERE THE LENGTH REQUIRED FOR A
SATISFACTORY OUTLET DOES NOT EXCEED 20 FEET. THE
CONST FOR THIS WORK IS TO BE INCLUDED IN THE PULL BOX
ITEMS. UNDERDRAINS SHOULD ALWAYS BE DRAINED UNLESS
IMPOSSIBLE.

625, POWER SERVICE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF CMS 625.15 AND 725.19 THE FOLLOWING IS ADDED.

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS:

TOLEDO EDISON 6099 ANGOLA ROAD TOLEDO, OHIO 43528

THE ENGINEER SHALL ENSURE THAT EACH POWER SERVICE ELECTRICAL ENERGY ACCOUNT IS IN THE NAME OF AND THAT THE BILLING ADDRESS IS THE MAINTAINING AGENCY NOTED IN 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, AND INCIDENTAS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

PADLOCKS FURNISHED SHALL BE EITHER BRASS OR BRONZE, EQUAL TO MASTER NO 48KA 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.

MAINTAINING LIGHTING

EITHER PERMANENT OR TEMPORARY LIGHTING SHALL BE IN PLACE AND FUNCTIONING PRIOR TO OPENING THE ROUNDABOUT TO TRAFFIC. ANY COSTS ASSOCIATED WITH PROVIDING AND INSTALLING TEMPORARY LIGHTING WILL BE INCLUSIVE OF THE ITEM 614 MAINTAINING TRAFFIC.

ITEM 625, LUMINAIRE, CONVENTIONAL, SOLID-STATE (LED), TYPE III DISTRIBUTION

IN ADDITION TO THE REQUIREMENTS OF CMS 625.08 AND 725.11 THE FOLLOWING IS ADDED.

STREETLIGHTING LUMINAIRES SHALL BE LED, 3,000K CCT, 70 CRI MIN., TYPE III DISTRIBUTION AND SHALL COMPLY WITH I.E.S. CLASSIFICATIONS FOR TYPE III DISTRIBUTION. LUMINAIRES SHALL BE EQUIPPED WITH A PROPER SLIP FITTER TO MATCH THE POLE SPECIFIED AND SHALL INCLDUDE A 240 VOLT DRIVER COMPLYING WITH 725.11C.

LUMINAIRES SHALL BE:

COOPER LIGHTING, VERD SERIES (VERD-G-A02-E-U-T3-7030-10k-IP66-4B-AP

AMERICAN ELECTRIC LIGHTING
ATBM SERIES (ABTM F MVOLT R3 4B 3K)

GENERAL ELECTRIC
ERL2 SERIES (ERL2_116C330E_GRAYLR

PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR EACH ITEM 625, "LUMINAIRE, CONVENTIONAL, SOLID-STATE (LED), TYPE III DISTRIBUTION" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS REQUIRED FOR SATISFACTORY PERFORMANCE OF THIS WORK.

ITEM 625, LIGHT POLE, CONVENTIONAL, AS PER PLAN, ATO4B30

IN LIEU OF THE GALVANIZED STEEL LIGHT POLES AND BRACKET ARMS SPECIFIED IN 725.21 OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS, CONVENTIONAL LIGHT POLES SHALL BE ONE OF THE FOLLOWING ALUMINUM POLES:

COOPER LIGHTING MODEL # RTA 8 M 30 A D

AMERICAN ELECTRIC MODEL # RTA3080E

GENERAL ELECTRIC
MODEL # ARTA30PB8.0B

STEEL ANCHOR BOLTS AS PER 725.21 SHALL BE INCIDENTAL TO THIS ITEM.

PAYMENT WILL BE MADE A TTHE UNIT PRICE BID FOR EACH ITEM 625 "LIGHT POLE, CONVENTIONAL, AS PER PLAN, ATO4B30" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS REQUIRED FOR SATISFACTORY PERFORMANCE OF THIS WORK.

	CONTROL CENTER DATA													
CONTROL CENTER	LINE VOLTS	CONNEC. LOAD (KVA)	SERVICE ENTRANCE CONDUCTOR SIZE-AWG	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD AMPS	CIRCUIT FUSE SIZE AMPS	CIRCUIT CABLE SIZE AWG	MAINTAINING AGENCY					
PC-A/B	120V	1.4		60	А	3 . 5	15	8						
FC-A/B	1201	1.4	TOLEDO EDISON	00	В	2.3	15	8	ODOT					

ITEM 625, PLASTIC CAUTION TAPE, AS PER PLAN

THE REQUIREMENTS OF C&MS 625.20 AND 725.22 SHALL APPLY WITH THE FOLLOWING AMENDMENTS:

SUPPLY AND INSTALL TAPE FOR ALL PROPOSED LIGHTING CONDUIT PLACED IN TRENCH. WHERE "CONDUIT, JACKED OR DRILLED, AS PER PLAN" IS USED, TAPE WILL NOT BE REQUIRED. WHERE PORTIONS OF A CONDUIT RUN ARE BOTH INSTALLED IN TRENCH AND JACKED OR DRILLED, THE PORTION OF CCONDUIT INSTALLED IN TRENCH SHALL INLCUDE PLASTIC CAUTION TAPE. THE UNIT COST BID FOR ALL TAPE INSTALLED IN TRENCH SHALL INCLUDE ONLY THE MATERIALS, EQUIPMENT, AND LABOR ASSOCIATED WITH THE TAPE. ANY COST RELATED TO CONDUIT OR TRENCH SHALL BE INLCUDED WITH THE RESPECTIVE PAY ITEMS.

					625	625	625	625	625	625	625	625	625	625	625	625	625	625				
IEET IO.	REF. NO.	STA	ΓΙΟΝ	SIDE	CONNECTION, FUSED PULL APART	CONNECTION, UNFUSED PERMANENT	LIGHT POLE, CONVENTIONAL, AS PER PLAN, AT04B30	LIGHT POLE FOUNDATION	NO. 6 AWG 2400 VOLT DISTRIBUTION CABLE	NO. 10 AWG POLE AND BRACKET CABLE	1-1/2" DUCT CABLE WITH THREE NO. 6 AWG 2400 VOLT CABLES	CONDUIT, 3", 725.04	LUMINAIRE, CONVENTIONAL, SOLID- STATE (LED), TYPE III DISTRIBUTION	TRENCH, 24" DEEP, AS PER PLAN	PULL BOX, 725.08, 18"	GROUND ROD	POWER SERVICE, AS PER PLAN	PLASTIC CAUTION TAPE, AS PER PLAN				
		FROM	ТО	-	EACH	EACH	EACH	EACH	FT	FT	FT	FT	EACH	FT	EACH	EACH	EACH	FT				
	LP-A-4	347+72.5	247:07.0	RT	2		1	1		90	00		1	00		1		00				
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		347+07.9	347+06.1	RT							10			10				10				
	PB-A-3	347+06.1		RT					15						1							
		347+06.1	346+51.4	RT					165			55		55				55				
	PB-A-2	346+51.4 346+51.4	346+28.3	RT RT					15		65			65	1			65				
\dashv	LP-A-2	346+28.3	340+26.3	RT	2		1	1		90	05		1	65		1		65				
	^-	346+28.3	345+10.9	RT	<u>-</u>			•			145		·	145		•		145				
	LP-A-1	345+10.9		RT	2		1	1		90			1			1						
耳		345+10.9	345+06.9	RT							5			5				5				
	PB-A-1	345+06.9	245 20 0	RT		2			15					F0	1							
-+	PB-B-1	345+06.9 345+06.6	345+06.6	RT/LT LT					156 15			52		52	1			52				
-+	1 5-5-1	345+06.6	345+87.2	LT					13		81			81	'			81				
	LP-B-1	345+87.2		LT	2		1	1		90			1			1						
		345+87.2	346+62.3	LT							94			94				94				
	LP-B-2	345+62.3		LT	2		1	1		90			1			1						
	PB-B-2	346+62.3 346+63.8	346+63.8	LT LT					15		6			6	1			6				
-+	FB-B-2	346+63.8	347+27.1	LT					64			64		64	1			64				
	PB-B-3	347+27.1		LT					15			<u> </u>		<u> </u>	1							
		347+27.1	347+42.3	LT							43			43				43				
	LP-B-3	347+42.3		LT	2		1	1		90			1			1						
	LP-B-4	347+42.3 348+57.0	348+57.0	LT LT	2		1	1		90	130		1	130		1		130			-	
-+	LT -D-4	345+06.9	344+88.5	LT			'			30	15		'	15		'		15				
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