

April 24, 2018

Mr. Tyler Hjorth
City of San Marcos
630 E. Hopkins
San Marcos, TX 78666

Re: **Ranch Road 12 Substation Upgrade (17CSM6103)**
Bid Proposal Recommendation

Dear Mr. Hjorth:

Bid requests for the Ranch Road 12 Substation Upgrade project were sent by SMEU Purchasing on April 6th with a submittal deadline of April 20th. A total of two (2) bids were received from the below listed Contractors. All bids appear to be complete with all required items included. Below you will find the bid tabulation with results included for each.

The Contractors were asked to furnish unit price bids based on different group descriptions and construction units in the bid documents. We have reviewed and evaluated these units and groups, and have attached the results.

Name of Bidder	Bid Proposal Amount
Lambda Construction	\$828,697.00
Brandt Industrial	\$969,638.33

Attached is the bid tabulation for your review. Included in the bids are the removal units for your decision to keep or remove from the project.

Lambda Construction submitted the lowest bid. Lambda takes no exception to the specifications/bid documentation. Based on lowest evaluated cost, we recommend that City of San Marcos engage Lambda as the contractor for this project. Please review and let us know your comments on this recommendation.

Sincerely,



Mike Mainini

Texas Firm Reg. #: F-1594
MMM/tls

CITY OF SAN MARCOS
RANCH ROAD 12 BID TABULATION

								Lambda								Brandt	
GROUP A: STRUCTURES																	
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE	TOTAL LABOR	TOTAL MATERIAL	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE	TOTAL LABOR	TOTAL MATERIAL		
A2.10	A-FRAME STRUCTURE; DISTRIBUTION (16' TALL)	5	EA	\$1,319	\$4,448	\$5,767	\$28,835	\$6,595	\$22,240	\$957	\$5,732	\$6,689	\$33,446	\$4,784	\$28,662		
A2.11	UPPER TRUSS; A-FRAME, 12 FOOT, DISTRIBUTION	4	EA	\$641	\$625	\$1,266	\$5,064	\$2,564	\$2,500	\$718	\$929	\$1,647	\$6,588	\$2,870	\$3,718		
A2.12	LOWER TRUSS; A-FRAME, 12 FOOT, DISTRIBUTION	8	EA	\$726	\$813	\$1,539	\$12,312	\$5,808	\$6,504	\$598	\$1,040	\$1,638	\$13,107	\$4,784	\$8,323		
A2.15	POTENTIAL TRANSFORMER TRUSS; A-FRAME, DISTRIBUTION	1	EA	\$1,448	\$845	\$2,293	\$2,293	\$1,448	\$845	\$957	\$1,197	\$2,154	\$2,154	\$957	\$1,197		
A2.71	T-STAND; UNDERGROUND, DISTRIBUTION	2	EA	\$1,637	\$1,275	\$2,912	\$5,824	\$3,274	\$2,550	\$359	\$1,676	\$2,035	\$4,070	\$718	\$3,353		
A2.80	BUS, TUBULAR; THREE PHASE, DISTRIBUTION	1	LOT	\$22,098	\$21,616	\$43,714	\$43,714	\$22,098	\$21,616	\$18,537	\$19,694	\$38,230	\$38,230	\$18,537	\$19,694		
A2.81	BUS, STRAIN; THREE PHASE, DISTRIBUTION	1	LOT	\$13,662	\$11,659	\$25,321	\$25,321	\$13,662	\$11,659	\$22,723	\$18,384	\$41,107	\$41,107	\$22,723	\$18,384		
A5.50	SWITCH STAND; LOW PROFILE, HIGH VOLTAGE	1	EA	\$3,979	\$3,650	\$7,629	\$7,629	\$3,979	\$3,650	\$598	\$5,014	\$5,612	\$5,612	\$598	\$5,014		
A5.81	BUS, STRAIN; THREE PHASE, HIGH VOLTAGE	1	LOT	\$3,595	\$2,300	\$5,895	\$5,895	\$3,595	\$2,300	\$7,176	\$5,736	\$12,911	\$12,911	\$7,176	\$5,736		
A9.60	STRUCTURE; TRANSFORMER	1	EA	\$3,645	\$8,350	\$11,995	\$11,995	\$3,645	\$8,350	\$1,435	\$11,888	\$13,323	\$13,323	\$1,435	\$11,888		
A9.80	SHIELD WIRE	1	LOT	\$2,976	\$400	\$3,376	\$3,376	\$2,976	\$400	\$846	\$328	\$1,175	\$1,175	\$846	\$328		
A9.99	LABELS	1	LOT	\$3,595	\$1,500	\$5,095	\$5,095	\$3,595	\$1,500	\$1,196	\$1,533	\$2,729	\$2,729	\$1,196	\$1,533		
GROUP A TOTAL:							\$157,353	\$73,239	\$84,114	\$174,453				\$66,622	\$107,831		
GROUP B: THREE-POLE GROUP OPERATED AIR BREAK SWITCHES																	
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE	TOTAL LABOR	TOTAL MATERIAL	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE	TOTAL LABOR	TOTAL MATERIAL		
B5.2	VERTICAL AIR BREAK SWITCH; 138 KV, 2000 AMP	1	EA	\$4,314	\$9,525	\$13,839	\$13,839	\$4,314	\$9,525	\$5,860	\$10,681	\$16,541	\$16,541	\$5,860	\$10,681		
GROUP B TOTAL:							\$13,839	\$4,314	\$9,525	\$16,541				\$5,860	\$10,681		
GROUP C: SURGE ARRESTERS																	
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE	TOTAL LABOR	TOTAL MATERIAL	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE	TOTAL LABOR	TOTAL MATERIAL		
C1.1	SURGE ARRESTER; STATION CLASS, 15 KV TRANSFORMER/BUS/LINE F	6	EA	\$300	\$357	\$657	\$3,942	\$1,800	\$2,142	\$120	\$386	\$505	\$3,033	\$718	\$2,315		
GROUP C TOTAL:							\$3,942	\$1,800	\$2,142	\$3,033				\$718	\$2,315		
GROUP D: SINGLE POLE DISCONNECT SWITCHES																	
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE	TOTAL LABOR	TOTAL MATERIAL	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE	TOTAL LABOR	TOTAL MATERIAL		
D1.8	FUSE CUTOFF; 15 KV 200E WITH LINKS	4	EA	\$359	\$242	\$601	\$2,404	\$1,436	\$968	\$120	\$259	\$378	\$1,513	\$478	\$1,035		
D2.2	HOOKSTICK DISCONNECT SWITCH; 25 KV, 1200 AMP	27	EA	\$440	\$454	\$894	\$24,138	\$11,880	\$12,258	\$120	\$492	\$612	\$16,512	\$3,229	\$13,283		
D2.3	HOOKSTICK DISCONNECT SWITCH; 25 KV, 2000 AMP	9	EA	\$400	\$844	\$1,244	\$11,196	\$3,600	\$7,596	\$120	\$728	\$848	\$7,632	\$1,076	\$6,555		
GROUP D TOTAL:							\$37,738	\$16,916	\$20,822	\$25,656				\$4,784	\$20,873		

CITY OF SAN MARCOS
RANCH ROAD 12 BID TABULATION

GROUP E: OIL/VACUUM/POWER CIRCUIT BREAKERS AND/OR CIRCUIT SWITCHERS							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
E5.2	CIRCUIT SWITCHER; 138 KV WITH BYPASS	1	EA	\$3,257	\$0	\$3,257	\$3,257
GROUP E TOTAL:							\$3,257

TOTAL LABOR	TOTAL MATERIAL
\$3,257	\$0
\$3,257	\$0

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$4,186	\$201	\$4,387	\$4,387
			\$4,387

TOTAL LABOR	TOTAL MATERIAL
\$4,186	\$201
\$4,186	\$201

GROUP F: OIL/VACUUM CIRCUIT BREAKER/RECLOSER							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
F1.2	VACUUM CIRCUIT BREAKER; 15 KV 1200A	2	EA	\$1,328	\$300	\$1,628	\$3,256
F1.2a	VACUUM CIRCUIT BREAKER; 15 KV 2000A	1	EA	\$1,328	\$300	\$1,628	\$1,628
GROUP F TOTAL:							\$4,884

TOTAL LABOR	TOTAL MATERIAL
\$2,656	\$600
\$1,328	\$300
\$1,328	\$300

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$1,794	\$58	\$1,851	\$3,703
\$1,794	\$58	\$1,851	\$1,851
			\$5,554

TOTAL LABOR	TOTAL MATERIAL
\$3,588	\$115
\$1,794	\$58
\$1,794	\$58

GROUP G: METERS, RELAYS AND INSTRUMENT TRANSFORMERS							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
G1.4	POTENTIAL TRANSFORMER; 7.2 KV, SINGLE PHASE	3	EA	\$719	\$1,418	\$2,137	\$6,411
G3.1b	DISTRIBUTION RELAY PANEL; SEL (TWO FEEDERS)	1	EA	\$1,713	\$155	\$1,868	\$1,868
G4.1	TRANSFORMER DIFFERENTIAL RELAY PANEL; 138 KV	1	EA	\$1,713	\$120	\$1,833	\$1,833
G7.1	JUNCTION BOX; PT	1	EA	\$3,446	\$1,387	\$4,833	\$4,833
GROUP G TOTAL:							\$14,945

TOTAL LABOR	TOTAL MATERIAL
\$2,157	\$4,254
\$1,713	\$155
\$1,713	\$120
\$3,446	\$1,387
\$9,029	\$5,916

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$179	\$1,558	\$1,738	\$5,213
\$2,392	\$35	\$2,426	\$2,426
\$2,392	\$35	\$2,426	\$2,426
\$1,196	\$1,396	\$2,592	\$2,592
			\$12,658

TOTAL LABOR	TOTAL MATERIAL
\$538	\$4,675
\$2,392	\$35
\$2,392	\$35
\$1,196	\$1,396
\$6,518	\$6,140

GROUP H: TRANSFORMERS							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
H2.2	TRANSFORMER, POWER; 138-12.5 KV, THREE PHASE, 30 MVA	1	EA	\$2,397	\$212	\$2,609	\$2,609
H9.1	TRANSFORMER, DISTRIBUTION; SINGLE PHASE, 7200-120/240	1	EA	\$1,797	\$100	\$1,897	\$1,897
GROUP H TOTAL:							\$4,506

TOTAL LABOR	TOTAL MATERIAL
\$2,397	\$212
\$1,797	\$100
\$4,194	\$312

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$2,392	\$0	\$2,392	\$2,392
\$1,435	\$0	\$1,435	\$1,435
			\$3,827

TOTAL LABOR	TOTAL MATERIAL
\$2,392	\$0
\$1,435	\$0
\$3,827	\$0

GROUP J: COMMUNICATIONS AND SUPERVISORY CONTROL EQUIPMENT							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
J3.1	SCADA PANEL	1	EA	\$1,438	\$427	\$1,865	\$1,865
GROUP J TOTAL:							\$1,865

TOTAL LABOR	TOTAL MATERIAL
\$1,438	\$427
\$1,438	\$427

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$2,392	\$35	\$2,426	\$2,426
			\$2,426

TOTAL LABOR	TOTAL MATERIAL
\$2,392	\$35
\$2,392	\$35

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GROUP K: TRENCHING, CONDUIT, AND CABLE							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
K1.0	CONDUIT; GENERAL APPLICATION	1	LOT	\$13,862	\$2,500	\$16,362	\$16,362
K1.2a	CONDUIT; ABOVE GRADE (RIGID GALVANIZED)	1	LOT	\$7,690	\$2,150	\$9,840	\$9,840
K2.1	TRENCHING AND BACKFILL FOR CONDUIT INSTALLATION	1	LOT	\$10,475	\$1,245	\$11,720	\$11,720
K2.2	PRE-CAST CONCRETE CABLE TRENCH, PEDESTRIAN TRAFFIC	1	LOT	\$15,639	\$7,985	\$23,624	\$23,624
K2.4	PRE-CAST CONCRETE CABLE TRENCH, HEAVY TRAFFIC	1	LOT	\$13,482	\$6,785	\$20,267	\$20,267
K3.1	CABLE; INSTRUMENT TRANSFORMER, CURRENT	11	EA	\$538	\$251	\$789	\$8,679
K3.2	CABLE; INSTRUMENT TRANSFORMER, POTENTIAL	2	EA	\$839	\$140	\$979	\$1,958
K4.1	CABLE; AC - EQUIPMENT	11	EA	\$588	\$204	\$792	\$8,712
K4.2	CABLE; AC/DC – STATION SERVICE	1	EA	\$2,047	\$2,868	\$4,915	\$4,915
K4.4	CABLE; DC - EQUIPMENT	8	EA	\$564	\$111	\$675	\$5,400
K5.1	CABLE; ALARM/CONTROL (UNSHIELDED)	14	EA	\$760	\$637	\$1,397	\$19,558
K6.6	CABLE; SCADA INDICATION (4C - #12 AWG)	4	EA	\$410	\$182	\$592	\$2,368
K7.1	CABLE; FIBER OPTIC – 4 STRAND	2	EA	\$898	\$1,157	\$2,055	\$4,110
K7.3	CABLE; CATEGORY 5e (CAT-5e) ETHERNET	5	EA	\$287	\$17	\$304	\$1,520
K8.1	CABLE; RS-232 NETWORK	7	EA	\$205	\$54	\$259	\$1,813
K9.4	CABLE PULL BOX; PRECAST	1	EA	\$14,521	\$9,325	\$23,846	\$23,846
K10.7	UNDERGROUND DISTRIBUTION CONDUIT DUCT BANK; FEEDERS	1	LOT	\$54,232	\$30,125	\$84,357	\$84,357
GROUP K TOTAL:							\$249,049

TOTAL LABOR	TOTAL MATERIAL
\$13,862	\$2,500
\$7,690	\$2,150
\$10,475	\$1,245
\$15,639	\$7,985
\$13,482	\$6,785
\$5,918	\$2,761
\$1,678	\$280
\$6,468	\$2,244
\$2,047	\$2,868
\$4,512	\$888
\$10,640	\$8,918
\$1,640	\$728
\$1,796	\$2,314
\$1,435	\$85
\$1,435	\$378
\$14,521	\$9,325
\$54,232	\$30,125
\$167,470	\$81,579

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$22,262	\$1,824	\$24,085	\$24,085
\$16,863	\$17,710	\$34,573	\$34,573
\$10,767	\$222	\$10,989	\$10,989
\$17,491	\$17,520	\$35,012	\$35,012
\$12,393	\$12,145	\$24,539	\$24,539
\$915	\$319	\$1,234	\$13,571
\$571	\$174	\$745	\$1,489
\$678	\$234	\$912	\$10,036
\$2,291	\$2,267	\$4,558	\$4,558
\$473	\$213	\$686	\$5,486
\$1,241	\$835	\$2,075	\$29,055
\$895	\$311	\$1,206	\$4,823
\$3,179	\$265	\$3,444	\$6,888
\$112	\$33	\$146	\$728
\$135	\$58	\$193	\$1,349
\$27,775	\$9,648	\$37,423	\$37,423
\$112,309	\$30,434	\$142,743	\$142,743
\$387,347			

TOTAL LABOR	TOTAL MATERIAL
\$22,262	\$1,824
\$16,863	\$17,710
\$10,767	\$222
\$17,491	\$17,520
\$12,393	\$12,145
\$10,065	\$3,506
\$1,142	\$348
\$7,463	\$2,573
\$2,291	\$2,267
\$3,783	\$1,703
\$17,371	\$11,683
\$3,578	\$1,245
\$6,358	\$531
\$562	\$166
\$946	\$403
\$27,775	\$9,648
\$112,309	\$30,434
\$273,420	\$113,927

GROUP L: FOUNDATIONS							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
L2.30	FOUNDATION; 15 KV 1200 A BREAKER, DISTRIBUTION	3	EA	\$4,505	\$385	\$4,890	\$14,670
L2.31	FOUNDATION; 15 KV 2000A BREAKER, DISTRIBUTION	1	EA	\$4,505	\$385	\$4,890	\$4,890
L3.10	FOUNDATION; A-FRAME OR T-STRUCTURE PIER, DISTRIBUTION	10	EA	\$2,395	\$302	\$2,697	\$26,970
L3.70	FOUNDATION; TWACS OR UNDERGROUND RISER STAND, DISTRIBUTION	3	EA	\$3,068	\$317	\$3,385	\$10,155
L5.50	FOUNDATION; SWITCH STAND, HIGH VOLTAGE	2	EA	\$4,426	\$307	\$4,733	\$9,466
L5.55	FOUNDATION; CIRCUIT SWITCHER, HIGH VOLTAGE	2	EA	\$4,722	\$640	\$5,362	\$10,724
L8.21	FOUNDATION; POWER TRANSFORMER - OIL CONTAINMENT	1	EA	\$80,760	\$19,500	\$100,260	\$100,260
L9.60	FOUNDATION; TRANSFORMER OR VOLTAGE REGULATOR STRUCTURE	2	EA	\$4,555	\$485	\$5,040	\$10,080
GROUP L TOTAL:							\$187,215

TOTAL LABOR	TOTAL MATERIAL
\$13,515	\$1,155
\$4,505	\$385
\$23,950	\$3,020
\$9,204	\$951
\$8,852	\$614
\$9,444	\$1,280
\$80,760	\$19,500
\$9,110	\$970
\$159,340	\$27,875

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$4,137	\$35	\$4,171	\$12,514
\$4,137	\$35	\$4,171	\$4,171
\$1,486	\$0	\$1,486	\$14,859
\$1,486	\$0	\$1,486	\$4,458
\$1,486	\$0	\$1,486	\$2,972
\$3,898	\$0	\$3,898	\$7,797
\$118,047	\$7,820	\$125,867	\$125,867
\$2,188	\$0	\$2,188	\$4,376
\$177,014			

TOTAL LABOR	TOTAL MATERIAL
\$12,410	\$104
\$4,137	\$35
\$14,859	\$0
\$4,458	\$0
\$2,972	\$0
\$7,797	\$0
\$118,047	\$7,820
\$4,376	\$0
\$169,056	\$7,958

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GROUP M: SITE PREPARATION							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
M4.1	SITE PREPARATION; YARD FINISH ROCK	450	TONS	\$40	\$18	\$58	\$26,100
GROUP M TOTAL:							\$26,100

TOTAL LABOR	TOTAL MATERIAL
\$18,000	\$8,100
\$18,000	\$8,100

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$30	\$23	\$53	\$23,805
			\$23,805

TOTAL LABOR	TOTAL MATERIAL
\$13,455	\$10,350
\$13,455	\$10,350

GROUP N: FENCE							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
N2.1	ANIMAL DETERRENT PROOF FENCING	280	L.F.	\$48	\$44	\$92	\$25,760
GROUP N TOTAL:							\$25,760

TOTAL LABOR	TOTAL MATERIAL
\$13,440	\$12,320
\$13,440	\$12,320

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$16	\$39	\$55	\$15,271
			\$15,271

TOTAL LABOR	TOTAL MATERIAL
\$4,416	\$10,856
\$4,416	\$10,856

GROUP O: STATION GROUNDING							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
O1.2	STATION GROUNDING; EXTENSION OF EXISTING GROUNDING	1	LOT	\$24,071	\$7,500	\$31,571	\$31,571
O2.2	TRENCHING IN DIRT FOR GROUND GRID INSTALLATION	1	LOT	\$6,275	\$0	\$6,275	\$6,275
O3.1	CIRCUIT BREAKER/RECLOSER/CIRCUIT SWITCHER GROUNDING	5	EA	\$577	\$139	\$716	\$3,580
O3.2	POWER TRANSFORMER GROUNDING	1	EA	\$4,397	\$1,283	\$5,680	\$5,680
O3.7	GANG OPERATED AIR BREAK SWITCH GROUNDING	2	EA	\$1,083	\$758	\$1,841	\$3,682
O3.8	SUBSTATION STRUCTURE GROUNDING	8	EA	\$677	\$193	\$870	\$6,960
O3.10	DISTRIBUTION A-FRAME/ T-STRUCTURE GROUNDING	5	EA	\$824	\$250	\$1,074	\$5,370
GROUP O TOTAL:							\$63,118

TOTAL LABOR	TOTAL MATERIAL
\$24,071	\$7,500
\$6,275	\$0
\$2,885	\$695
\$4,397	\$1,283
\$2,166	\$1,516
\$5,416	\$1,544
\$4,120	\$1,250
\$49,330	\$13,788

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$15,108	\$9,598	\$24,706	\$24,706
\$15,850	\$0	\$15,850	\$15,850
\$114	\$156	\$269	\$1,347
\$1,196	\$2,306	\$3,502	\$3,502
\$282	\$602	\$884	\$1,769
\$51	\$182	\$233	\$1,864
\$670	\$377	\$1,047	\$5,235
			\$54,272

TOTAL LABOR	TOTAL MATERIAL
\$15,108	\$9,598
\$15,850	\$0
\$568	\$779
\$1,196	\$2,306
\$564	\$1,204
\$411	\$1,453
\$3,349	\$1,886
\$37,047	\$17,225

GROUP P: DC SYSTEM							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
P7.1	CONTROL HOUSE; CABLE TRAY	1	EA	\$2,348	\$585	\$2,933	\$2,933
P7.2	CONTROL HOUSE; CABLE ENTRANCE	1	EA	\$2,721	\$2,737	\$5,458	\$5,458
GROUP P TOTAL:							\$8,391

TOTAL LABOR	TOTAL MATERIAL
\$2,348	\$585
\$2,721	\$2,737
\$5,069	\$3,322

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$1,435	\$1,380	\$2,815	\$2,815
\$2,392	\$1,380	\$3,772	\$3,772
			\$6,587

TOTAL LABOR	TOTAL MATERIAL
\$1,435	\$1,380
\$2,392	\$1,380
\$3,827	\$2,760

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GROUP Q: AC SYSTEM							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
Q1.1	YARD LIGHTS	3	EA	\$1,078	\$96	\$1,174	\$3,522
Q1.2	YARD RECEPTACLES	3	EA	\$2,130	\$575	\$2,705	\$8,115
Q1.3	YARD SWITCH RECEPTACLES	4	EA	\$434	\$125	\$559	\$2,236
Q2.1	STATION SERVICE; MAIN AC DISCONNECT	1	EA	\$3,250	\$470	\$3,720	\$3,720
GROUP Q TOTAL:							\$17,593

TOTAL LABOR	TOTAL MATERIAL
\$3,234	\$288
\$6,390	\$1,725
\$1,736	\$500
\$3,250	\$470
\$14,610	\$2,983

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$478	\$978	\$1,456	\$4,368
\$239	\$403	\$642	\$1,925
\$239	\$403	\$642	\$2,567
\$1,794	\$978	\$2,771	\$2,771
			\$11,631

TOTAL LABOR	TOTAL MATERIAL
\$1,435	\$2,933
\$718	\$1,208
\$957	\$1,610
\$1,794	\$978
\$4,903	\$6,728

GROUP S: DEMOLITION AND/OR REMOVAL							
UNIT	DESCRIPTION	QTY.	UNIT	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
S1.1	REMOVAL; POWER TRANSFORMER, 10 MVA	1	EA	\$179	\$0	\$179	\$179
S2.1	REMOVAL; 12.5/25 KV CIRCUIT BREAKER/RECLOSER	3	EA	\$276	\$0	\$276	\$828
S2.5	REMOVAL; 138/68 KV CIRCUIT SWITCHER	1	EA	\$1,179	\$0	\$1,179	\$1,179
S4.8	REMOVAL; FUSE CUTOFF, 25/15 KV WITH LINKS	40	EA	\$19	\$0	\$19	\$760
S6.4	REMOVAL; 10 KV (12.5 KV) LIGHTNING ARRESTERS	12	EA	\$60	\$0	\$60	\$720
S7.1	REMOVAL; STATION SERVICE TRANSFORMER	1	EA	\$179	\$0	\$179	\$179
S7.3	REMOVAL; POTENTIAL TRANSFORMER, 138/69 KV, SINGLE PHA	3	EA	\$69	\$0	\$69	\$207
S8.1	REMOVAL; CONTROL PANEL	3	EA	\$84	\$0	\$84	\$252
S8.2	REMOVAL; JUNCTION BOX	3	EA	\$59	\$0	\$59	\$177
S10.2	REMOVAL; 138/69 KV WIRE BUS	1	LOT	\$250	\$0	\$250	\$250
S10.3	REMOVAL; 138/69 KV TUBULAR BUS	1	LOT	\$250	\$0	\$250	\$250
S10.4	REMOVAL; 25/15 KV WIRE BUS	1	LOT	\$250	\$0	\$250	\$250
S10.5	REMOVAL; 25/15 KV TUBULAR BUS	1	LOT	\$250	\$0	\$250	\$250
S10.6	REMOVAL; CABLE	1	LOT	\$429	\$0	\$429	\$429
S12.2	REMOVAL; 25/15 KV DEAD END A-FRAME STRUCTURE	5	EA	\$355	\$0	\$355	\$1,775
S12.5	REMOVAL; THREE PHASE BUS SUPPORT STRUCTURE	2	EA	\$364	\$0	\$364	\$728
S12.14	REMOVAL; 25/15 KV BOX STRUCTURE	1	EA	\$729	\$0	\$729	\$729
GROUP S TOTAL:							\$9,142
GRAND TOTAL ALL UNITS:							\$828,697

TOTAL LABOR	TOTAL MATERIAL
\$179	\$0
\$828	\$0
\$1,179	\$0
\$760	\$0
\$720	\$0
\$179	\$0
\$207	\$0
\$252	\$0
\$177	\$0
\$250	\$0
\$250	\$0
\$250	\$0
\$250	\$0
\$429	\$0
\$1,775	\$0
\$728	\$0
\$729	\$0
\$729	\$0
\$542,774	\$273,525

LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE	EXTENDED PRICE
\$1,794	\$0	\$1,794	\$1,793.89
\$1,435	\$35	\$1,470	\$4,408.83
\$4,186	\$173	\$4,358	\$4,358.25
\$120	\$12	\$131	\$5,243.60
\$90	\$12	\$101	\$1,214.40
\$957	\$35	\$991	\$991.24
\$239	\$12	\$251	\$752.07
\$1,794	\$35	\$1,828	\$5,485.17
\$359	\$0	\$359	\$1,076.34
\$957	\$0	\$957	\$956.74
\$957	\$0	\$957	\$956.74
\$1,435	\$0	\$1,435	\$1,435.11
\$1,435	\$0	\$1,435	\$1,435.11
\$4,186	\$0	\$4,186	\$4,185.75
\$1,196	\$0	\$1,196	\$5,979.65
\$359	\$0	\$359	\$717.56
\$4,186	\$0	\$4,186	\$4,185.75
			\$45,176
			\$602,823
			\$317,936

TOTAL LABOR	TOTAL MATERIAL
\$1,794	\$0
\$4,305	\$104
\$4,186	\$173
\$4,784	\$460
\$1,076	\$138
\$957	\$35
\$718	\$35
\$5,382	\$104
\$1,076	\$0
\$957	\$0
\$957	\$0
\$1,435	\$0
\$1,435	\$0
\$4,186	\$0
\$5,980	\$0
\$718	\$0
\$4,186	\$0
\$44,130	\$1,047
\$602,823	\$317,936