



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item number: 4.d

Title: Recommendation to Award Directional Boring Services and Landscaping Restoration Services to Archon Construction Co. for a three year period beginning May 1, 2017 through April 30, 2020.

Presenter: Tom Bruhl

Meeting: Government Services Committee

Date: April 24, 2017

Proposed Cost: \$600,000

Budgeted Amount: \$600,000

Not Budgeted:

Executive Summary (if not budgeted please explain):

The City of St. Charles Electric Utility uses directional boring/horizontal drilling as a standard alternative to open cut trenching. Directional boring is much less disruptive and requires significantly less restoration of landscaping and pavement. We use directional boring to replace cables that we cannot inject and to place new cables for upgrade and new business work.

Purchasing went out for bids and received seven proposals for directional boring services. Archon Construction was the low unit cost on the majority of the high volume units, and had reasonably close unit costs on the lower volume units. Archon has been doing this work for the City for six years and we are very satisfied with their performance and value.

Additionally, we evaluated the opportunity to include restoration in the appropriate unit costs and believe that incorporating the landscape repair work with the same contractor who did the excavation as cost effective, administratively efficient, and the best for customer service.

The proposed cost of \$600,000 is based on units that are estimated at this time.

Bid proposals also included an option for a three year contract with either updated per unit pricing or a specified rate increase. Archon's submittal included a 5% increase for Year 2 and a 5% increase for Year 3. Even taking into account these annual increases, overall, Archon's pricing was still favorable in both Year 2 and Year 3 when compared to the other bidders.

Attachments (please list):

* Bid Tabulation

Recommendation/Suggested Action (briefly explain):

Recommendation to Award Directional Boring Services and Landscaping Restoration Services to Archon Construction Co. for a three year period beginning May 1, 2017 through April 30, 2020.

Item	Estimated Quantity	Unit Costs							Extended Estimated Cost						
		Electric Conduit	Three Phase Line Construction	Meade	MP Systems	Archon	Groundhog	Utility Dynamics	Electric Conduit	Three Phase Line Construction	Meade	MP Systems	Archon	Groundhog	Utility Dynamics
Hand Dig Pit	60	\$658.00	\$2,365.97	\$366.60	\$700.00	\$335.00	\$350.00	\$350.00	\$39,480.00	\$141,958.20	\$21,996.00	\$42,000.00	\$20,100.00	\$21,000.00	\$21,000.00
Hand Dig Pit w/Restoration	60	\$958.00	NA	\$566.60	\$850.00	\$706.00	NA	\$650.00	\$57,480.00	No Bid	\$33,996.00	\$51,000.00	\$42,360.00	No Bid	\$39,000.00
Machine Dig Pit	90	\$451.00	\$1,673.93	\$493.84	\$500.00	\$445.00	\$325.00	\$450.00	\$40,590.00	\$150,653.70	\$44,445.60	\$45,000.00	\$40,050.00	\$29,250.00	\$40,500.00
Machine Dig Pit w/Restoration	90	\$751.00	NA	\$743.84	\$650.00	\$812.00	NA	\$800.00	\$67,590.00	No Bid	\$66,945.60	\$58,500.00	\$73,080.00	No Bid	\$72,000.00
Bore 1-1/4" Poly/ft	400	\$19.00	\$21.39	\$20.49	\$14.00	\$11.75	\$10.50	\$11.00	\$7,600.00	\$8,556.00	\$8,196.00	\$5,600.00	\$4,700.00	\$4,200.00	\$4,400.00
Bore 3" Poly/ft	18000	\$22.00	\$26.64	\$23.49	\$19.00	\$12.10	\$15.75	\$14.00	\$396,000.00	\$479,520.00	\$422,820.00	\$342,000.00	\$217,800.00	\$283,500.00	\$252,000.00
Bore 4" Poly/ft	200	\$26.00	\$30.02	\$28.14	\$24.00	\$13.95	\$19.00	\$16.00	\$5,200.00	\$6,004.00	\$5,628.00	\$4,800.00	\$2,790.00	\$3,800.00	\$3,200.00
Bore 5" Poly/ft	12000	\$31.00	\$31.57	\$32.80	\$27.00	\$15.35	\$24.50	\$19.00	\$372,000.00	\$378,840.00	\$393,600.00	\$324,000.00	\$184,200.00	\$294,000.00	\$228,000.00
Bore 6" Poly/ft	500	\$42.00	\$32.75	\$34.97	\$30.00	\$23.90	\$32.00	\$25.00	\$21,000.00	\$16,375.00	\$17,485.00	\$15,000.00	\$11,950.00	\$16,000.00	\$12,500.00
Install 1-1/4" 90	8	\$18.00	\$540.00	\$223.21	\$45.00	\$80.00	\$75.00	\$70.00	\$144.00	\$4,320.00	\$1,785.68	\$360.00	\$640.00	\$600.00	\$560.00
Install 3" 90	100	\$64.00	\$720.00	\$236.78	\$300.00	\$90.25	\$200.00	\$110.00	\$6,400.00	\$72,000.00	\$23,678.00	\$30,000.00	\$9,025.00	\$20,000.00	\$11,000.00
Install 5" 90	70	\$87.00	\$900.00	\$471.40	\$450.00	\$105.00	\$300.00	\$150.00	\$6,090.00	\$63,000.00	\$32,998.00	\$31,500.00	\$7,350.00	\$21,000.00	\$10,500.00
Flagger per hour	0	\$123.00	\$143.75	\$112.30	\$86.73	\$95.00	NA	\$110.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	No Bid	\$0.00
Core Drill into manhole	3	\$658.00	\$1,080.00	\$438.93	\$1,500.00	\$725.00	\$1,000.00	\$800.00	\$1,974.00	\$3,240.00	\$1,316.79	\$4,500.00	\$2,175.00	\$3,000.00	\$2,400.00
Switchgear Box Pad Installation	4	\$2,091.00	\$14,866.15	\$3,754.80	\$3,500.00	\$1,460.00	\$1,400.00	\$1,000.00	\$8,364.00	\$59,464.60	\$15,019.20	\$14,000.00	\$5,840.00	\$5,600.00	\$4,000.00
Switchgear Box Pat Install w/Restoration	4	\$3,291.00	NA	\$4,754.80	\$4,250.00	\$2,310.00	NA	\$1,800.00	\$13,164.00	No Bid	\$19,019.20	\$17,000.00	\$9,240.00	No Bid	\$7,200.00
Splice Box Installation	12	\$918.00	\$9,869.70	\$2,379.90	\$2,250.00	\$1,060.00	\$1,400.00	\$1,000.00	\$11,016.00	\$118,436.40	\$28,558.80	\$27,000.00	\$12,720.00	\$16,800.00	\$12,000.00
Splice Box Installation w/Restoration	12	\$1,818.00	NA	\$3,379.90	\$3,000.00	\$1,905.00	NA	\$1,600.00	\$21,816.00	No Bid	\$40,558.80	\$36,000.00	\$22,860.00	No Bid	\$19,200.00
Sand/cu yd	0	\$138.00	\$50.00	\$47.80	\$135.00	\$38.00	\$40.00	\$40.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CA-6/cu yd	0	\$173.00	\$75.00	\$52.80	\$165.00	\$26.00	\$40.00	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Pea Gravel/cu yd	0	\$152.00	\$75.00	\$52.80	\$155.00	\$38.00	\$40.00	\$40.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Debris Removal/cu yd	25	\$279.00	\$158.00	\$50.00	NA	\$85.00	\$95.00	\$90.00	\$6,975.00	\$3,950.00	\$1,250.00	No Bid	\$2,125.00	\$2,375.00	\$2,250.00
Rock Excavation adder per linear foot	10	\$134.00	\$948.00	\$200.00	\$15.00	\$45.00	\$75.00	\$100.00	\$1,340.00	\$9,480.00	\$2,000.00	\$150.00	\$450.00	\$750.00	\$1,000.00
Saw Cutting	10	\$123.00	\$250.00	\$742.02	\$750.00	\$480.00	\$400.00	\$475.00	\$1,230.00	\$2,500.00	\$7,420.20	\$7,500.00	\$4,800.00	\$4,000.00	\$4,750.00
Saw Cutting w/ Restoration	10	\$1,128.00	\$1,250.00	\$2,742.02	\$1,750.00	\$1,010.00	NA	\$1,000.00	\$11,280.00	\$12,500.00	\$27,420.20	\$17,500.00	\$10,100.00	No Bid	\$10,000.00
Year 2 Offer		4%	3.50%	3%	3%	5% adder	5%	4%							
Year 3 Offer		+4% from year 2	3.50%	3%	3%	5% adder	5%	9%							
Green Space Restoration/sq ft	Unknown	\$2.10	\$1.76	NA	NA	\$3.45	NA	NA							
Green Space Restoration w Sod/sq ft	Unknown	\$3.75	\$2.42	NA	NA	\$4.95	NA	NA							
Pole Excavation Restoration	Unknown	\$258.75	\$162.25	NA	NA	\$250.00	NA	NA							
Sidewalk Restoration/sq ft	Unknown	\$50.60	\$39.60	NA	NA	\$55.00	NA	NA							
Hourly Crew Labor Rate	Unknown	\$312.00	\$214.50	NA	\$238.35	\$290.85	NA	NA							
Hourly Labor Rate For Additional Laborer	Unknown	\$159.00	\$88.00	NA	\$306.70	\$136.70	NA	NA							
Materials Markup	Unknown	10%	11%	NA	5%	10%	NA	NA							
Year 2 Offer		4%	3.50%	NA	2.50%	5%	NA	NA							
Year 3 Offer		4% from year 2 offer	3.50%	NA	2.50%	5%	NA	NA							
Total cost without restoration									\$925,403.00	\$1,518,297.90	\$1,028,197.27	\$893,410.00	\$526,715.00	\$725,875.00	\$610,060.00
Total cost with restoration									\$994,713.00	No Bid	\$1,096,697.27	No Bid	\$600,395.00	No Bid	\$674,210.00