

Crest, Buena Vista, & Washington Water Main Replacement Project  
File 2016-029 ITB 4525

Item	Description	Unit	Estimated Quantity	Engineer's Estimate		E. T. MacKenzie Company		Fonson Company, Inc		Bailey Excavating, Inc	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
130	Protective Fencing	FT	225.00	\$4.00	\$900.00	\$3.25	\$731.25	\$10.00	\$2,250.00	\$3.50	\$787.50
140	Exploratory Excavation (0-10' deep)	EA	18.00	\$1,000.00	\$18,000.00	\$1,000.00	\$18,000.00	\$650.00	\$11,700.00	\$1,375.00	\$24,750.00
200	Tree Removal, 8" or Larger, Modified	EA	3.00	\$800.00	\$2,400.00	\$1,800.00	\$5,400.00	\$1,200.00	\$3,600.00	\$1,050.00	\$3,150.00
201	Project Supervision, Max \$25,000.00	LS	1.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00
202	General Conditions, Max. \$50,000.00	LS	1.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00
203	Digital Audio Visual Coverage	LS	1.00	\$5,000.00	\$5,000.00	\$1,250.00	\$1,250.00	\$1,150.00	\$1,150.00	\$3,700.00	\$3,700.00
204	Minor Traffic Devices, Max \$15,000.00	LS	1.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
205	Clean-Up & Restoration, Special	LS	1.00	\$10,000.00	\$10,000.00	\$29,931.05	\$29,931.05	\$52,500.00	\$52,500.00	\$25,000.00	\$25,000.00
206	"No Parking" Signs	EA	60.00	\$60.00	\$3,600.00	\$135.00	\$8,100.00	\$60.00	\$3,600.00	\$150.00	\$9,000.00
209	Sewer, Any Size or Depth, Remove	FT	478.00	\$40.00	\$19,120.00	\$0.50	\$239.00	\$31.00	\$14,818.00	\$24.55	\$11,734.90
210	Drainage Structure, Any Size or Depth, Remove	EA	23.00	\$600.00	\$13,800.00	\$40.00	\$920.00	\$800.00	\$18,400.00	\$799.00	\$18,377.00
211	Remove Sanitary Sewer Lead	FT	100.00	\$15.00	\$1,500.00	\$0.01	\$1.00	\$40.00	\$4,000.00	\$17.50	\$1,750.00
219	Abandoned 20" Steel Water Main Pipe, Remove	FT	1100.00	15.00	\$16,500.00	\$0.01	\$11.00	\$60.00	\$66,000.00	\$26.56	\$29,216.00
220	Water Main Pipe Abandonment, Modified	LS	1.00	\$20,000.00	\$20,000.00	\$53,500.00	\$53,500.00	\$62,500.00	\$62,500.00	\$7,800.00	\$7,800.00
221	Fire Hydrant Assembly Abandonment	EA	5.00	\$800.00	\$4,000.00	\$735.00	\$3,675.00	\$1,300.00	\$6,500.00	\$775.00	\$3,875.00
222	Temporary 6 inch or 8 inch Water Main Line Stop	EA	6.00	\$7,000.00	\$42,000.00	\$11,700.00	\$70,200.00	\$6,750.00	\$40,500.00	\$6,150.00	\$36,900.00
223	Temporary 12 inch Water Main Line Stop	EA	2.00	\$12,000.00	\$24,000.00	\$13,850.00	\$27,700.00	\$8,650.00	\$17,300.00	\$8,145.00	\$16,290.00
223	Temporary 16 inch Water Main Line Stop	EA	2.00	\$16,000.00	\$32,000.00	\$18,500.00	\$37,000.00	\$13,800.00	\$27,600.00	\$12,345.00	\$24,690.00
225	6-Inch Wrapped Underdrain	FT	3230.00	\$6.00	\$19,380.00	\$11.00	\$35,530.00	\$17.50	\$56,525.00	\$8.75	\$28,262.50
226	Machine Grading, Modified	SYD	14230.00	\$8.00	\$113,840.00	\$19.20	\$273,216.00	\$9.60	\$136,608.00	\$7.50	\$106,725.00
227	Subgrade Undercutting - Type II	CYD	200.00	\$15.00	\$3,000.00	\$24.50	\$4,900.00	\$32.00	\$6,400.00	\$40.00	\$8,000.00
230	HMA Pavement Leveling/Top - LVSP	TON	3250.00	\$98.00	\$318,500.00	\$100.50	\$326,625.00	\$95.00	\$308,750.00	\$101.43	\$329,647.50
240	Concrete Curb or Curb and Gutter - All Types	FT	2232.00	\$30.00	\$66,960.00	\$26.50	\$59,148.00	\$24.00	\$53,568.00	\$24.66	\$55,041.12
241	Concrete Curb or Curb and Gutter - All Types (High Early)	FT	1000.00	\$35.00	\$35,000.00	\$27.00	\$27,000.00	\$29.00	\$29,000.00	\$24.66	\$24,660.00
242	4 Inch Concrete Sidewalk	SFT	5434.00	\$7.00	\$38,038.00	\$5.00	\$27,170.00	\$6.50	\$35,321.00	\$3.57	\$19,399.38
243	6 Inch Concrete Sidewalk Ramp	SFT	1551.00	\$8.00	\$12,408.00	\$6.50	\$10,081.50	\$7.80	\$12,097.80	\$5.53	\$8,577.03
244	6 Inch Concrete Drive - High Early	SYD	242.00	\$9.00	\$2,178.00	\$51.00	\$12,342.00	\$80.00	\$19,360.00	\$35.88	\$8,682.96
245	Detectable Warning, Cast In Place	SFT	360.00	\$35.00	\$12,600.00	\$73.00	\$26,280.00	\$15.50	\$5,580.00	\$38.55	\$13,878.00
246	Integral Sidewalk Retaining Wall, 6 inch to 18 inch	SFT	100.00	\$45.00	\$4,500.00	\$51.00	\$5,100.00	\$45.00	\$4,500.00	\$16.98	\$1,698.00
250	Sand Subbase Course, Class II - C.I.P.	CYD	319.00	\$20.00	\$6,380.00	\$34.50	\$11,005.50	\$37.00	\$11,803.00	\$16.50	\$5,263.50
251	21AA Limestone, C.I.P.	CYD	200.00	\$30.00	\$6,000.00	\$0.01	\$2.00	\$51.50	\$10,300.00	\$30.00	\$6,000.00
252	Aggregate Base Course, 21AA - C.I.P.	CYD	2160.00	\$40.00	\$86,400.00	\$34.35	\$74,196.00	\$52.50	\$113,400.00	\$30.00	\$64,800.00
261	Remove Concrete Curb or Curb and Gutter - Any Type	FT	3155.00	\$7.50	\$23,662.50	\$3.40	\$10,727.00	\$6.50	\$20,507.50	\$9.25	\$29,183.75
262	Remove Concrete Sidewalk and Drive - Any Thickness	SFT	7239.00	\$2.00	\$14,478.00	\$0.90	\$6,515.10	\$3.00	\$21,717.00	\$1.15	\$8,324.85
270	Pavt Mrkg, Thermoplastic, 6 inch Crosswalk	FT	424.00	\$5.00	\$2,120.00	\$2.15	\$911.60	\$2.00	\$848.00	\$2.10	\$890.40
271	Pavt Mrkg, Thermoplastic, 12 inch Crosswalk	FT	680.00	\$7.00	\$4,760.00	\$4.25	\$2,890.00	\$4.00	\$2,720.00	\$4.20	\$2,856.00
272	Pavt Mrkg, Thermoplastic, 24 inch Stop Bar	FT	160.00	\$9.00	\$1,440.00	\$9.55	\$1,528.00	\$9.00	\$1,440.00	\$9.45	\$1,512.00
273	Pavt Mrkg, Thermoplastic, School	EA	2.00	\$500.00	\$1,000.00	\$140.00	\$280.00	\$130.00	\$260.00	\$136.50	\$273.00
299	Certified Payroll Compliance and Reporting	LS	1.00	\$5,000.00	\$5,000.00	\$1.00	\$1.00	\$1,500.00	\$1,500.00	\$7,500.00	\$7,500.00
320	12" CL IV RCP Storm Sewer Pipe, Trench Detail I	FT	388.00	\$45.00	\$17,460.00	\$130.00	\$50,440.00	\$90.00	\$34,920.00	\$61.58	\$23,893.04
321	15" CL IV RCP Storm Sewer Pipe, Trench Detail I	FT	20.00	\$50.00	\$1,000.00	\$174.00	\$3,480.00	\$130.00	\$2,600.00	\$64.65	\$1,293.00
322	18" CL IV RCP Storm Sewer Pipe, Trench Detail I	FT	7.00	\$65.00	\$455.00	\$216.00	\$1,512.00	\$160.00	\$1,120.00	\$99.72	\$698.04
353	4 inch SDR 35 PVC Sanitary Lead, Trench Detail I	FT	100.00	\$66.00	\$6,600.00	\$42.00	\$4,200.00	\$83.00	\$8,300.00	\$26.50	\$2,650.00
354	6 inch SDR 35 PVC Sanitary Lead, Trench Detail I	FT	100.00	\$70.00	\$7,000.00	\$45.00	\$4,500.00	\$86.00	\$8,600.00	\$32.65	\$3,265.00
360	Type I Manhole (0-10' deep)	EA	2.00	\$3,000.00	\$6,000.00	\$3,500.00	\$7,000.00	\$2,250.00	\$4,500.00	\$1,750.00	\$3,500.00
366	Inlet-Junction Chamber	EA	1.00	\$2,200.00	\$2,200.00	\$3,500.00	\$3,500.00	\$2,200.00	\$2,200.00	\$1,475.00	\$1,475.00
367	Single Inlet	EA	22.00	\$1,500.00	\$33,000.00	\$2,600.00	\$57,200.00	\$2,050.00	\$45,100.00	\$1,200.00	\$26,400.00
400	6 inch Class 50 DIP w/polywrap, Trench Detail I	FT	82.00	\$88.00	\$7,216.00	\$167.00	\$13,694.00	\$240.00	\$19,680.00	\$75.02	\$6,151.64
401	8 inch Class 50 DIP w/polywrap, Trench Detail I	FT	2078.00	\$93.00	\$193,254.00	\$185.00	\$384,430.00	\$136.00	\$282,608.00	\$79.62	\$165,450.36
402	12 inch Class 50 DIP w/polywrap, Trench Detail I	FT	1826.00	\$96.00	\$175,296.00	\$156.00	\$284,856.00	\$152.00	\$277,552.00	\$89.65	\$163,700.90
410	6" 11.25° Bend	EA	1.00	\$550.00	\$550.00	\$860.00	\$860.00	\$456.00	\$456.00	\$470.64	\$470.64
411	6" 45° Bend	EA	1.00	\$550.00	\$550.00	\$860.00	\$860.00	\$506.00	\$506.00	\$470.64	\$470.64
412	6" 90° Bend	EA	1.00	\$700.00	\$700.00	\$860.00	\$860.00	\$512.00	\$512.00	\$505.62	\$505.62
413	8" 11.25° Bend	EA	3.00	\$600.00	\$1,800.00	\$975.00	\$2,925.00	\$525.00	\$1,575.00	\$564.98	\$1,694.94
414	8" 22.5° Bend	EA	3.00	\$600.00	\$1,800.00	\$975.00	\$2,925.00	\$520.00	\$1,560.00	\$626.32	\$1,878.96
415	8" 45° Bend	EA	39.00	\$600.00	\$23,400.00	\$975.00	\$38,025.00	\$537.00	\$20,943.00	\$501.38	\$19,553.82
416	8" 90° Bend	EA	3.00	\$650.00	\$1,950.00	\$975.00	\$2,925.00	\$549.00	\$1,647.00	\$681.58	\$2,044.74
417	12" 11.25° Bend	EA	8.00	\$650.00	\$5,200.00	\$1,650.00	\$13,200.00	\$738.00	\$5,904.00	\$1,019.72	\$8,157.76
418	12" 45° Bend	EA	12.00	\$700.00	\$8,400.00	\$1,650.00	\$19,800.00	\$750.00	\$9,000.00	\$1,115.12	\$13,381.44
419	12" 90° Bend	EA	2.00	\$750.00	\$1,500.00	\$1,650.00	\$3,300.00	\$810.00	\$1,620.00	\$1,121.48	\$2,242.96
420	8" x 1.5" Reducer	EA	1.00	\$600.00	\$600.00	\$4,000.00	\$4,000.00	\$360.00	\$360.00	\$583.00	\$583.00
421	8" x 2" Reducer	EA	1.00	\$600.00	\$600.00	\$4,000.00	\$4,000.00	\$360.00	\$360.00	\$583.00	\$583.00
422	8" x 6" Reducer	EA	9.00	\$550.00	\$4,950.00	\$1,125.00	\$10,125.00	\$410.00	\$3,690.00	\$519.40	\$4,674.60
423	12" x 6" Reducer	EA	2.00	\$700.00	\$1,400.00	\$1,300.00	\$2,600.00	\$500.00	\$1,000.00	\$773.80	\$1,547.60
424	12" x 8" Reducer	EA	2.00	\$750.00	\$1,500.00	\$1,300.00	\$2,600.00	\$530.00	\$1,060.00	\$796.17	\$1,592.34
430	6" x 6" x 6" Tee	EA	1.00	\$1,750.00	\$1,750.00	\$1,250.00	\$1,250.00	\$594.00	\$594.00	\$693.24	\$693.24
431	8" x 8" x 8" Tee	EA	9.00	\$2,100.00	\$18,900.00	\$2,250.00	\$20,250.00	\$685.00	\$6,165.00	\$941.28	\$8,471.52
432	8" x 8" x 8" x 8" Cross	EA	1.00	\$2,500.00	\$2,500.00	\$1,450.00	\$1,450.00	\$800.00	\$800.00	\$1,291.08	\$1,291.08
433	8" x 8" x 12" x 12" Cross	EA	1.00	\$3,000.00	\$3,000.00	\$1,600.00	\$1,600.00	\$980.00	\$980.00	\$1,649.57	\$1,649.57
434	8" x 8" x 12" Tee	EA	1.00	\$1,900.00	\$1,900.00	\$1.00	\$1.00	\$1,260.00	\$1,260.00	\$1,397.08	\$1,397.08
435	12" x 12" x 8" Tee	EA	4.00	\$2,000.00	\$8,000.00	\$1,550.00	\$6,200.00	\$850.00	\$3,400.00	\$1,473.40	\$5,893.60
436	12" x 12" x 12" Tee	EA	3.00	\$2,400.00	\$7,200.00	\$3,500.00	\$10,500.00	\$1,130.00	\$3,390.00	\$1,654.66	\$4,963.98
437	16" x 16" x 12" Tee	EA	1.00	\$3,000.00	\$3,000.00	\$12,000.00	\$12,000.00	\$1,800.00	\$1,800.00	\$3,741.80	\$3,741.80
440	Fire Hydrant Assembly	EA	8.00	\$4,500.00	\$36,000.00	\$4,500.00	\$36,000.00	\$4,570.00	\$36,560.00	\$4,450.00	\$35,600.00
442	6" Gate Valve-in-Box	EA	1.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$1,200.00	\$1,200.00	\$1,770.20	\$1,770.20
443	8" Gate Valve-in-Box	EA	1.00	\$2,200.00	\$2,200.00	\$2,400.00	\$2,400.00	\$1,500.00	\$1,500.00	\$2,520.68	\$2,520.68
444	12" Gate Valve-in-Box	EA	1.00	\$2,500.00	\$2,500.00	\$3,300.00	\$3,300.00	\$2,600.00	\$2,600.00	\$3,265.23	\$3,265.23
446	6" Gate Valve-in Well	EA	1.00	\$4,500.00	\$4,500.00	\$5,700.00	\$5,700.00	\$4,280.00	\$4,280.00	\$3,339.00	\$3,339.00
447	8" Gate Valve-in Well	EA	9.00	\$4,800.00	\$43,200.00	\$6,100.00	\$54,900.00	\$4,410.00	\$39,690.00	\$4,057.68	\$36,519.12
448	12" Gate Valve-in Well	EA	6.00	\$5,000.00	\$30,000.00	\$7,000.00	\$42,000.00	\$5,220.00	\$31,320.00	\$6,044.12	\$36,264.72
460	Excavate & Backfill for Water Service Tap and Lead	FT	2400.00	\$48.00	\$115,200.00	\$50.00	\$120,000.00	\$48.00	\$115,200.00	\$18.01	\$43,224.00
563	Structure Covers	LBS	11700.00	\$1.50	\$17,550.00	\$1.50	\$17,550.00	\$1.25	\$14,625.00	\$2.30	\$26,910.00
566	Adjust Structure Cover	EA	27.00	\$350.00	\$9,450.00	\$500.00	\$13,500.00	\$712.00	\$19,224.00	\$275.00	\$7,425.00
567	Adjust Monument Box or Gate Valve Box	EA	15.00	\$300.00	\$4,500.00	\$425.00	\$6,375.00	\$365.00	\$5,475.00	\$215.00	\$3,225.00
800	Celtic occidentalis, (Hackberry), 2 inch	EA	10	\$5.00	\$50.00	\$1,100.00	\$11,000.00	\$560.00	\$5,600.00	\$1,286.40	\$12,864.00
801	Gledits										