

College Way: Urban to LaVenture Pipeline Replacement Project				Engineer's Estimate		Western Refinery Services		Premium Services		Interwest Construction		TRICO		Earthwork Solutions		CR Construction		Colacurcio Brothers		SRV		Northwest Construction	
Item	Construction Description	Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1.	Mobilization	1	LS	\$136,000.00	\$136,000.00	\$25,000.00	\$25,000.00	\$100,000.00	\$100,000.00	\$128,065.50	\$128,065.50	\$149,840.00	\$149,840.00	\$92,550.00	\$92,550.00	\$85,000.00	\$85,000.00	\$180,000.00	\$180,000.00	\$150,000.00	\$150,000.00	\$250,000.00	\$250,000.00
2.	Accident Prevention Program and Site Specific Health and Safety Plan	1	LS	\$1,500.00	\$1,500.00	\$200.00	\$200.00	\$1,000.00	\$1,000.00	\$3,700.00	\$3,700.00	\$385.00	\$385.00	\$2,825.00	\$2,825.00	\$750.00	\$750.00	\$500.00	\$500.00	\$300.00	\$300.00	\$500.00	\$500.00
3.	SPCC and TESC Plan	1	LS	\$1,500.00	\$1,500.00	\$200.00	\$200.00	\$1,000.00	\$1,000.00	\$1,100.00	\$1,100.00	\$640.00	\$640.00	\$1,415.00	\$1,415.00	\$750.00	\$750.00	\$500.00	\$500.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00
4.	ESC Lead	1	LS	\$3,000.00	\$3,000.00	\$500.00	\$500.00	\$6,000.00	\$6,000.00	\$1,550.00	\$1,550.00	\$2,845.00	\$2,845.00	\$4,015.00	\$4,015.00	\$8,800.00	\$8,800.00	\$500.00	\$500.00	\$1,525.00	\$1,525.00	\$2,500.00	\$2,500.00
5.	Install and Maintain Temporary Erosion Control and Water Pollution Control Measures	1	LS	\$10,000.00	\$10,000.00	\$2,500.00	\$2,500.00	\$10,000.00	\$10,000.00	\$9,800.00	\$9,800.00	\$16,640.00	\$16,640.00	\$15,200.00	\$15,200.00	\$8,800.00	\$8,800.00	\$2,000.00	\$2,000.00	\$20,000.00	\$20,000.00	\$55,000.00	\$55,000.00
6.	Traffic Control Supervisor	50	Day	\$550.00	\$27,500.00	\$1,250.00	\$62,500.00	\$800.00	\$40,000.00	\$1,040.00	\$52,000.00	\$775.00	\$38,750.00	\$1,095.00	\$54,750.00	\$1,000.00	\$50,000.00	\$1,200.00	\$60,000.00	\$1,000.00	\$50,000.00	\$1,200.00	\$60,000.00
7.	Flaggers	1,000	HR	\$70.00	\$70,000.00	\$45.00	\$45,000.00	\$68.00	\$68,000.00	\$72.00	\$72,000.00	\$87.00	\$87,000.00	\$69.00	\$69,000.00	\$100.00	\$100,000.00	\$75.00	\$75,000.00	\$99.00	\$99,000.00	\$85.00	\$85,000.00
8.	Traffic Control Signs and Devices	1	LS	\$6,000.00	\$6,000.00	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00	\$4,600.00	\$4,600.00	\$4,140.00	\$4,140.00	\$5,650.00	\$5,650.00	\$11,250.00	\$11,250.00	\$5,000.00	\$5,000.00	\$10,400.00	\$10,400.00	\$10,000.00	\$10,000.00
9.	Furnish Adequate Lighting Facilities for Non-Daylight Construction Hours	0	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
10.	Furnish Portable Changeable Message Signs (PCMS)	10	DAY	\$275.00	\$2,750.00	\$150.00	\$1,500.00	\$600.00	\$6,000.00	\$200.00	\$2,000.00	\$320.00	\$3,200.00	\$226.00	\$2,260.00	\$275.00	\$2,750.00	\$250.00	\$2,500.00	\$355.00	\$3,550.00	\$400.00	\$4,000.00
11.	Furnish and Install Adequate Site and Trench Safety Systems in Accordance with Chapter RCW 49.17	4,267	LF	\$1.00	\$4,267.00	\$1.50	\$6,403.50	\$0.10	\$426.70	\$2.00	\$8,534.00	\$1.00	\$4,267.00	\$1.00	\$4,267.00	\$1.00	\$4,267.00	\$0.10	\$426.70	\$1.20	\$5,120.40	\$2.00	\$8,534.00
12.	Sawcut Pavement for Permanent Patch	26,900	IN-FT	\$0.90	\$24,210.00	\$1.00	\$26,900.00	\$0.10	\$2,690.00	\$1.00	\$26,900.00	\$0.70	\$18,830.00	\$0.60	\$16,140.00	\$2.00	\$53,800.00	\$1.00	\$26,900.00	\$0.60	\$16,140.00	\$1.00	\$26,900.00
13.	Furnish and Install Engineer-Ordered Trench Stabilization Material	20	TON	\$65.00	\$1,300.00	\$52.00	\$1,040.00	\$50.00	\$1,000.00	\$69.00	\$1,380.00	\$59.00	\$1,180.00	\$91.00	\$1,820.00	\$100.00	\$2,000.00	\$65.00	\$1,300.00	\$85.00	\$1,700.00	\$150.00	\$3,000.00
14.	Furnish and Install Engineer-Ordered Over Excavation	20	CY	\$57.00	\$1,140.00	\$45.00	\$900.00	\$50.00	\$1,000.00	\$57.00	\$1,140.00	\$48.00	\$960.00	\$84.00	\$1,680.00	\$100.00	\$2,000.00	\$80.00	\$1,600.00	\$53.00	\$1,060.00	\$140.00	\$2,800.00
15.	Furnish and Place Crushed Surfacing Material, Top Course	750	TON	\$46.00	\$34,500.00	\$42.00	\$31,500.00	\$45.00	\$33,750.00	\$42.00	\$31,500.00	\$62.00	\$46,500.00	\$40.00	\$30,000.00	\$45.00	\$33,750.00	\$60.00	\$45,000.00	\$41.00	\$30,750.00	\$25.00	\$18,750.00
16.	Furnish, Place and Compact HMA Class 1/2-Inch, P.G. 64-22 for Permanent Patch	420	TON	\$225.00	\$94,500.00	\$205.00	\$86,100.00	\$200.00	\$84,000.00	\$254.00	\$106,680.00	\$215.00	\$90,300.00	\$187.00	\$78,540.00	\$215.00	\$90,300.00	\$213.00	\$89,460.00	\$284.00	\$119,280.00	\$240.00	\$100,800.00
17.	Furnish and Install 12" Ductile Iron Pipe, CL 50 Including Trench Excavation, Backfill and Compaction	4,120	LF	\$110.00	\$453,200.00	\$150.00	\$618,000.00	\$130.00	\$535,600.00	\$133.00	\$547,960.00	\$155.00	\$638,600.00	\$158.50	\$653,020.00	\$144.75	\$596,370.00	\$150.00	\$618,000.00	\$137.00	\$564,440.00	\$210.00	\$865,200.00
18.	Furnish and Install 12" x 8" DI Cross-Fitting	0	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19.	Furnish and Install 12" x 8" DI Tee, Fitting	13	EA	\$1,000.00	\$13,000.00	\$500.00	\$6,500.00	\$1,000.00	\$13,000.00	\$1,450.00	\$18,850.00	\$1,400.00	\$18,200.00	\$1,875.00	\$24,375.00	\$1,639.50	\$21,313.50	\$1,600.00	\$20,800.00	\$1,800.00	\$23,400.00	\$1,000.00	\$13,000.00
20.	Furnish and Install 12" x 4" DI Tee, Fitting	2	EA	\$1,000.00	\$2,000.00	\$1,400.00	\$2,800.00	\$900.00	\$1,800.00	\$1,375.00	\$2,750.00	\$1,315.00	\$2,630.00	\$1,700.00	\$3,400.00	\$2,225.00	\$4,450.00	\$1,500.00	\$3,000.00	\$1,700.00	\$3,400.00	\$1,000.00	\$2,000.00
21.	Furnish and Install 12" DI 45 Degree Bend, Fitting	4	EA	\$900.00	\$3,600.00	\$1,000.00	\$4,000.00	\$700.00	\$2,800.00	\$900.00	\$3,600.00	\$945.00	\$3,780.00	\$1,425.00	\$5,700.00	\$2,442.25	\$9,769.00	\$1,300.00	\$5,200.00	\$1,600.00	\$6,400.00	\$750.00	\$3,000.00
22.	Furnish and Install 12" DI Flange Adapter, Fitting	16	EA	\$500.00	\$8,000.00	\$750.00	\$12,000.00	\$600.00	\$9,600.00	\$800.00	\$12,800.00	\$845.00	\$13,520.00	\$630.00	\$10,080.00	\$1,781.00	\$28,496.00	\$1,200.00	\$19,200.00	\$950.00	\$15,200.00	\$620.00	\$9,920.00
23.	Furnish and Install 12" DI Butterfly Valve w/ Valve Box and Cover	21	EA	\$3,500.00	\$73,500.00	\$4,000.00	\$84,000.00	\$3,500.00	\$73,500.00	\$4,100.00	\$86,100.00	\$3,660.00	\$76,860.00	\$4,930.00	\$103,530.00	\$4,252.50	\$89,302.50	\$4,300.00	\$90,300.00	\$4,250.00	\$89,250.00	\$4,300.00	\$90,300.00
24.	Furnish & Install 8" Ductile Iron Pipe, CL 50 Including Trench Excavation, Backfill and Compaction	147	LF	\$100.00	\$14,700.00	\$90.00	\$13,230.00	\$150.00	\$22,050.00	\$148.00	\$21,756.00	\$225.00	\$33,075.00	\$137.00	\$20,139.00	\$146.50	\$21,535.50	\$120.00	\$17,640.00	\$178.00	\$26,166.00	\$340.00	\$49,980.00
25.	Furnish and Install 8" DI 45 Degree Bend, Fitting	2	EA	\$800.00	\$1,600.00	\$600.00	\$1,200.00	\$700.00	\$1,400.00	\$550.00	\$1,100.00	\$610.00	\$1,220.00	\$710.00	\$1,420.00	\$1,087.25	\$2,174.50	\$900.00	\$1,800.00	\$1,200.00	\$2,400.00	\$350.00	\$700.00
26.	Furnish and Install 8" x 6" DI Reducer, Fitting	0	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
27.	Furnish and Install 8" x 4" DI Reducer, Fitting	1	EA	\$500.00	\$500.00	\$700.00	\$700.00	\$500.00	\$500.00	\$650.00	\$650.00	\$710.00	\$710.00	\$525.00	\$525.00	\$2,347.00	\$2,347.00	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$600.00	\$600.00
28.	Furnish and Install 8" DI Gate Valve w/ Valve Box and Cover	13	EA	\$2,850.00	\$34,450.00	\$2,400.00	\$31,200.00	\$2,300.00	\$29,900.00	\$2,700.00	\$35,100.00	\$2,275.00	\$29,575.00	\$2,855.00	\$37,115.00	\$2,838.00	\$36,894.00	\$3,000.00	\$39,000.00	\$3,700.00	\$48,100.00	\$3,000.00	\$39,000.00
29.	Furnish & Install 4" Ductile Iron Pipe, CL 50 Including Trench Excavation, Backfill and Compaction	0	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
30.	Furnish and Install 4" DI Gate Valve w/ Valve Box and Cover	2	EA	\$1,600.00	\$3,200.00	\$1,400.00	\$2,800.00	\$1,300.00	\$2,600.00	\$1,750.00	\$3,500.00	\$1,365.00	\$2,730.00	\$1,515.00	\$3,030.00	\$1,777.00	\$3,554.00	\$4,700.00	\$9,400.00	\$3,000.00	\$6,000.00	\$2,000.00	\$4,000.00
31.	Furnish and Install Fire Hydrant Assembly	13	EA	\$8,100.00	\$105,300.00	\$8,800.00	\$114,400.00	\$8,500.00	\$110,500.00	\$8,750.00	\$113,750.00	\$7,470.00	\$97,110.00	\$8,860.00	\$115,180.00	\$9,082.50	\$118,072.50	\$8,300.00	\$107,900.00	\$10,650.00	\$138,450.00	\$11,000.00	\$143,000.00
32.	Furnish and Install Fire Hydrant Assembly w/ Tee	0	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
33.	Furnish and Install 2-inch Flushing Assembly	0	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
34.	Furnish and Install 1-inch Air/Vac Assembly	1	EA	\$4,215.00	\$4,215.00	\$4,200.00	\$4,200.00	\$6,000.00	\$6,000.00	\$3,700.00	\$3,700.00	\$5,405.00	\$5,405.00	\$5,820.00	\$5,820.00	\$7,679.00	\$7,679.00	\$4,700.00	\$4,700.00	\$7,025.00	\$7,025.00	\$8,500.00	\$8,500.00
35.	Replace 5/8 & 1-inch Water Service, Short Rehaul Municipex	19	EA	\$1,200.00	\$22,800.00	\$1,400.00	\$26,600.00	\$1,300.00	\$24,700.00	\$900.00	\$17,100.00	\$1,045.00	\$19,855.00	\$1,440.00	\$27,360.00	\$2,132.75	\$40,522.25	\$1,100.00	\$20,900.00	\$1,700.00	\$32,300.00	\$4,000.00	\$76,000.00
36.	Replace 1.5 & 2-inch Water Service, Short Rehaul Municipex	2	EA	\$1,800.00	\$3,600.00	\$2,800.00	\$5,600.00	\$2,700.00	\$5,400.00	\$2,400.00	\$4,800.00	\$2,475.00	\$4,950.00	\$3,860.00	\$7,720.00	\$5,549.50	\$11,099.00	\$2,500.00	\$5,000.00	\$4,350.00	\$8,700.00	\$6,000.00	\$12,000.00
37.	Replace 5/8 & 1-inch Water Service, Long Rehaul Municipex	5	EA	\$2,500.00	\$12,500.00	\$3,000.00	\$15,000.00	\$8,000.00	\$40,000.00	\$4,450.00	\$22,250.00	\$2,605.00	\$13,025.00	\$4,715.00	\$23,575.00	\$3,497.50	\$17,487.50	\$6,000.00	\$30,000.00	\$7,275.00	\$36,375.00	\$10,000.00	\$50,000.00
38.	Replace 1.5 & 2-inch Water Service, Long Rehaul Municipex	2	EA	\$3,000.00	\$6,000.00	\$4,800.00	\$9,600.00	\$10,000.00	\$20,000.00	\$6,050.00	\$12,100.00	\$3,870.00	\$7,740.00	\$6,820.00	\$13,640.00	\$6,025.50	\$12,051.00	\$8,000.00	\$16,000.00	\$9,500.00	\$19,000.00	\$11,500.00	\$23,000.00
39.	Waterline Flushing, Pressure Testing, Disinfection and Bac-T testing	1	LS	\$21,000.00	\$21,000.00	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00	\$17,800.00													