

City Of Spokane
Engineering Services Department

***** Bid Tabulation *****

Project Number: 2009151

Project Description Cedar Rd. and Country Homes Blvd. Intersection
Funding Source Signalization
Federal

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Preparer Ryan Cornwell

Addendum

Project Number: 2009151		Engineer's Estimate		Arc Electric & Lighting Corporation		Colvico Inc		Aztech Electric Inc		
Item No	Bid Item Description	Estimated Quantity	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount

Schedule Description

Tax Classification

Schedule 01

Common Items

Public Street Improvement

101	REIMBURSEMENT FOR THIRD PARTY DAMAGE	1	EST	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
102	SPPC PLAN	1	LS	*****	500.00	*****	1,000.00	*****	750.00	*****	850.00
103	PUBLIC LIAISON REPRESENTATIVE	1	LS	*****	300.00	*****	2,500.00	*****	1,500.00	*****	5,460.00
104	MOBILIZATION	1	LS	*****	40,000.00	*****	16,950.00	*****	25,000.00	*****	22,500.00
105	PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	*****	30,000.00	*****	39,150.00	*****	49,500.00	*****	83,400.00
106	SPECIAL SIGNS	105	SF	20.00	2,100.00	12.00	1,260.00	11.00	1,155.00	10.51	1,103.03
107	SEQUENTIAL ARROW SIGN	1200	HR	2.00	2,400.00	3.00	3,600.00	2.75	3,300.00	2.63	3,150.00
108	ESC LEAD	1	LS	*****	500.00	*****	500.00	*****	750.00	*****	1,050.00
109	INLET PROTECTION	3	EA	75.00	225.00	150.00	450.00	125.00	375.00	285.00	855.00
110	SOD INSTALLATION	100	SY	15.00	1,500.00	18.50	1,850.00	6.00	600.00	30.79	3,079.00
111	REMOVE AND REPLACE EXISTING SPRINKLER HEADS AND LINES	1	LS	*****	500.00	*****	1,000.00	*****	1,500.00	*****	1,369.00
112	CEMENT CONCRETE CURB	150	LF	17.00	2,550.00	27.00	4,050.00	23.00	3,450.00	28.51	4,276.05
113	CEMENT CONC. CURB AND GUTTER	440	LF	18.50	8,140.00	26.00	11,440.00	22.00	9,680.00	27.37	12,041.92
114	CEMENT CONC. SIDEWALK	115	SY	41.50	4,772.42	45.00	5,175.00	39.00	4,485.00	45.62	5,245.96

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<i>Schedule Description</i>					<i>Tax Classification</i>					
<i>Schedule 01</i> Common Items					Public Street Improvement					
116	RAMP DETECTABLE WARNING	64 SF	32.00	2,048.00	26.00	1,664.00	22.00	1,408.00	28.52	1,825.02
<i>Schedule Totals</i>				95,536.42	90,590.00	103,454.00	146,205.97			

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<i>Schedule Description</i>				<i>Tax Classification</i>						
<i>Schedule 02</i> Street Items				Public Street Improvement						
201	MATERIAL ON HAND, TREE PROTECTION	1 LS	*****	1,500.00	*****	175.00	*****	200.00	*****	342.00
202	ROADSIDE CLEANUP	1 LS	*****	800.00	*****	1,380.00	*****	1,300.00	*****	1,757.00
203	REMOVAL OF STRUCTURE AND OBSTRUCTION	1 LS	*****	2,000.00	*****	2,070.00	*****	3,000.00	*****	2,100.00
204	REMOVE EXISTING CURB	320 LF	5.00	1,600.00	5.00	1,600.00	4.50	1,440.00	4.59	1,470.08
205	REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	150 SY	8.00	1,200.00	6.00	900.00	5.50	825.00	7.00	1,050.00
206	SAWCUTTING CURB	16 EA	20.00	320.00	57.50	920.00	70.00	1,120.00	65.63	1,050.00
207	SAWCUTTING FLEXIBLE PAVEMENT	260 LFI	0.80	208.00	0.75	195.00	1.00	260.00	1.01	263.12
208	ROADWAY EXCAVATION INCL. HAUL	500 CY	15.00	7,500.00	20.70	10,350.00	20.00	10,000.00	21.00	10,500.00
209	CRUSHED SURFACING TOP COURSE	200 CY	32.00	6,400.00	48.30	9,660.00	47.00	9,400.00	54.17	10,833.00
210	CRUSHED SURFACING BASE COURSE	200 CY	32.00	6,400.00	48.30	9,660.00	47.00	9,400.00	54.17	10,833.00
211	CSTC FOR SIDEWALK AND DRIVEWAYS	200 CY	41.50	8,300.00	40.25	8,050.00	39.00	7,800.00	45.61	9,122.00
212	HMA CL. 1/2 IN. PG 70-28, 5 INCH THICK	1060 SY	35.00	37,100.00	39.10	41,446.00	38.00	40,280.00	40.88	43,330.68
213	HMA CL. 1/2 IN. PG 70-28, 7 INCH THICK	450 SY	25.00	11,250.00	57.00	25,650.00	54.00	24,300.00	60.82	27,368.10
214	TRAFFIC SIGNAL SYSTEM - COUNTRY HOMES RD./CEDAR RD.	1 LS	*****	160,000.00	*****	125,000.00	*****	143,200.00	*****	211,002.00
215	COMMUNICATION CABLES AND INTERFACE	1 LS	*****	7,000.00	*****	5,000.00	*****	1,500.00	*****	1,445.00
216	VIDEO & DATA TRANSMISSION AND DISTRIBUTION SYSTEM	1 LS	*****	20,000.00	*****	21,630.00	*****	23,250.00	*****	25,746.00
217	CCTV SYSTEM CEDAR ROAD AND COUNTRY HOMES BLVD ROAD	1 LS	*****	12,500.00	*****	8,950.00	*****	6,250.00	*****	7,111.00
218	ADJUST EXISTING ELECTRICAL JUNCTION BOX	3 EA	200.00	600.00	150.00	450.00	225.00	675.00	300.00	900.00
219	SIGNING, PERMANENT	1 LS	*****	7,000.00	*****	8,855.00	*****	8,500.00	*****	8,553.00

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<i>Schedule 02</i> Street Items				Public Street Improvement						
220	REMOVAL OF EXISTING PAVEMENT MARKINGS	200 SF	4.50	900.00	3.75	750.00	3.50	700.00	12.08	2,415.00
221	PAVEMENT MARKING - DURABLE HEAT APPLIED	1099 SF	10.00	10,990.00	10.00	10,990.00	9.00	9,891.00	12.97	14,254.03
222	WORD AND SYMBOL MARKINGS - DURABLE HEAT APPLIED	4 EA	180.00	720.00	300.00	1,200.00	275.00	1,100.00	200.00	800.00
223	REINFORCED DOWELED CURB	80 LF	15.00	1,200.00	32.00	2,560.00	28.00	2,240.00	32.79	2,623.04
224	TRAFFIC ISLAND CONCRETE	100 SY	31.25	3,125.00	55.00	5,500.00	49.00	4,900.00	62.72	6,272.00
Schedule Totals				308,613.00		302,941.00		311,531.00		401,140.05

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<i>Schedule Description</i>				<i>Tax Classification</i>						
<i>Schedule 03</i> Storm Sewer Items				Public Street Improvement						
302	GRATE INLET TYPE DIRECTIONAL VANED GRATE	1 EA	150.00	150.00	805.00	805.00	770.00	770.00	1,027.00	1,027.00
303	CATCH BASIN TYPE 1	1 EA	1,850.00	1,850.00	2,750.00	2,750.00	2,700.00	2,700.00	2,965.00	2,965.00
304	CLEANING EXISTING DRAINAGE STRUCTURE	1 EA	700.00	700.00	230.00	230.00	225.00	225.00	315.00	315.00
305	CATCH BASIN SEWER PIPE 8 IN. DIAM.	40 LF	70.00	2,800.00	55.00	2,200.00	51.00	2,040.00	59.88	2,395.00
306	CONNECT 8 IN DIAMETER PIPE TO EXISTING CATCH BASIN, DRYWELL, OR MANHOLE	1 EA	500.00	500.00	460.00	460.00	440.00	440.00	570.00	570.00
Schedule Totals				6,000.00		6,445.00		6,175.00		7,272.00

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<i>Schedule Description</i>				<i>Tax Classification</i>						
<i>Schedule 04</i> Water Items				Not Public Street Improvement						
401	ADJUST EXISTING VALVE BOX, MONUMENT OR CLEANOUT IN ASPHALT	2 EA	200.00	400.00	290.00	580.00	275.00	550.00	315.00	630.00
402	ADJUST EXISTING MANHOLE	1 EA	300.00	300.00	690.00	690.00	660.00	660.00	735.00	735.00
403	DUCTILE PIPE FOR WATER MAIN 4 IN. DIAM	20 LF	32.00	640.00	55.20	1,104.00	120.00	2,400.00	91.20	1,824.00
404	DUCTILE PIPE FOR WATER MAIN 6 IN. DIAM	20 LF	40.00	800.00	69.00	1,380.00	240.00	4,800.00	102.65	2,053.00
405	TRENCH SAFETY SYSTEM	1 LS	*****	1,500.00	*****	805.00	*****	800.00	*****	840.00
406	REMOVAL OF EXSITNG 4 IN DIAM. WATER MAIN	20 LF	20.00	400.00	5.75	115.00	6.00	120.00	7.90	158.00
407	REMOVAL OF EXISTING 6 IN DIAM. WATER MAIN	20 LF	20.00	400.00	5.75	115.00	6.00	120.00	7.90	158.00
408	GATE VALVE 4 IN.	1 EA	800.00	800.00	690.00	690.00	660.00	660.00	800.00	800.00
409	GATE VALVE 6 IN.	1 EA	1,100.00	1,100.00	865.00	865.00	825.00	825.00	970.00	970.00
410	VALVE BOX AND COVER 4 IN.	1 EA	200.00	200.00	175.00	175.00	170.00	170.00	285.00	285.00
411	VALVE BOX AND COVER 6 IN.	1 EA	300.00	300.00	175.00	175.00	170.00	170.00	285.00	285.00
412	METER 4 IN.	1 EA	2,500.00	2,500.00	3,726.00	3,726.00	3,500.00	3,500.00	3,991.00	3,991.00
413	METER 6 IN.	1 EA	3,500.00	3,500.00	6,350.00	6,350.00	6,000.00	6,000.00	6,500.00	6,500.00
414	DOUBLE CHECK VALVE 4 IN.	1 EA	2,500.00	2,500.00	1,450.00	1,450.00	1,450.00	1,450.00	1,600.00	1,600.00
415	DOUBLE CHECK VALVE 6 IN.	1 EA	3,500.00	3,500.00	2,300.00	2,300.00	2,200.00	2,200.00	2,623.00	2,623.00
416	90 DEG ELBOW W/ RESTRAINED JOINTS 4 IN.	2 EA	200.00	400.00	290.00	580.00	275.00	550.00	342.50	685.00
417	90 DEG ELBOW W/ RESTRAINED JOINTS 6 IN.	2 EA	300.00	600.00	380.00	760.00	360.00	720.00	433.50	867.00
418	FL x FL GATE VALVE 4 IN.	2 EA	1,200.00	2,400.00	1,035.00	2,070.00	1,000.00	2,000.00	1,140.50	2,281.00
419	FL x FL GATE VALVE 6 IN.	2 EA	1,600.00	3,200.00	1,380.00	2,760.00	1,300.00	2,600.00	1,482.50	2,965.00

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Tax Classification

Schedule 04

Water Items

Not Public Street Improvement

420	WATER VALVE VAULT	1 EA	3,800.00	3,800.00	4,160.00	4,160.00	4,000.00	4,000.00	4,333.00	4,333.00
				Schedule Totals	29,240.00	30,850.00	34,295.00	34,295.00	4,333.00	34,583.00

Project Number

2009151

Cedar Rd. and Country Homes Blvd. Intersection Signalization

SCHEDULE SUMMARY

	Sched 1	Sched 2	Sched 3	Sched 4	Sched 5	Sched 6	Sched 7	Sched 8	Total
Engineer's Est	95,536.42	308,613.00	6,000.00	29,240.00	0.00	0.00	0.00	0.00	439,389.42
Arc Electric & Lighting	90,590.00	302,941.00	6,445.00	30,850.00	0.00	0.00	0.00	0.00	430,826.00
Colvico Inc	103,454.00	311,531.00	6,175.00	34,295.00	0.00	0.00	0.00	0.00	455,455.00
Aztech Electric Inc	146,205.97	401,140.05	7,272.00	34,583.00	0.00	0.00	0.00	0.00	589,201.02

Low Bid Contractor: Arc Electric & Lighting Corporation

	Contractor's Bid	Engineer's Estimate	% Variance
Schedule 01	\$90,590.00	\$95,536.42	5.18 % Under Estimate
Schedule 02	\$302,941.00	\$308,613.00	1.84 % Under Estimate
Schedule 03	\$6,445.00	\$6,000.00	7.42 % Over Estimate
Schedule 04	\$33,533.95	\$31,783.88	5.51 % Over Estimate
Bid Totals	\$433,509.95	\$441,933.30	1.91 % Under Estimate