Kennedy/Jenks Consultants

Engineers & Scientists

32001 32nd Avenue South Suite 100 Federal Way, Washington 98001 253-874-0555 (Seattle) 253-927-8688 (Tacoma) FAX 253-952-3435

27 May 2008

Mr. James X. Kelly, P.E. Utilities Manager Public Works Utilities Division City of Arlington 154 W. Cox Arlington, WA 98223

Subject:

Pay Request #5

Final Design for the Upgrade and Expansion of the WWTP and BCF Facilities

Invoice Period through 2 May 2008

K/J 0597002*02

Dear Jim:

Enclosed is Kennedy/Jenks Consultants' invoice 32734, for the period through 2 May 2008. Per your request, an Invoice Budget Summary Report is also attached with this letter. Work performed during this period included:

- Project management and QA/QC of project deliverables.
- Development of the 60% WWTP design package.
- Coordination with the MBR System supplier on shop drawing development and review, as well as adjustments to final Scope of Supply.
- Coordination in support of necessary permitting requirements for the final design.
- Work performed by Kennedy/Jenks subconsultants (Dr. Stensel process design review and final geotechnical).
- Various internal and external design progress meetings, including the 60% Design Review Workshop.
- Direct expenses associated with travel and reproduction costs.

Issues:

- 1. Schedule of Charges As provided for in our Master Services Agreement with the City, we updated to our 2008 Schedule of Charges during this invoice period (March and April 2008). This update was accounted for during our contract scoping and budgeting for the approved Amendment #4 (Phase 4B Final Design) last spring. Hence, there is no budget augmentation being requested for items within the contract scope as a result of this update. Please let me know if you have any questions or concerns regarding the new schedule of charges.
- 2. Budget Adjustments Please take the opportunity to review the attached Invoice Budget Summary Report. The reports that have been issued previously (to date) have not included

Mr. James X. Kelly, P.E. City of Arlington 27 May 2008 Page 2

formal budget adjustments. The current report recommends adjustments to account for the following:

- Reduction in budget under Direct Costs, Project Management (Task 4.14), Project Meetings (Task 4.21), Final Design Documents (Task 4.22), BCF Design Drawings (Task 4.22B), Other Design Documents (Task 4.23), and Bidding Services (Task 4.24) to account for the termination of the BCF design following completion of its 60% Design Package submittal to the City. The amount of these reductions totals approximately \$79,000 in the spreadsheet. I had estimated approximately \$89,000 of unspent budget associated with the BCF design (\$324,000 budgeted versus \$235,000 spent) in the cover letter to Invoice #3. However, \$10,000 of that total was estimated for saved permitting costs. We have now added additional scope to the permitting Task, negating this \$10,000 reduction. No billings toward the BCF have occurred since the requested work stoppage issued by the City.
- Increase in the Membrane Equipment Selection (Task 4.15) budget to account for the additional efforts necessary during the MBR System RFP preparation, bidding, supplier selection, and contract negotiation period. This amount of \$56,397 has been recorded on previous invoices, and this task has not been charged against since December, although we have continued to offer coordination on minor Scope of Supply/contract change order adjustments as part of the design development.
- Increase in Permitting/Funding Assistance (Task 4.19) of \$29,912 to account for the additional efforts that will be necessary by our subconsultant (ESA/Adolfson) to assist the City in completing the SERP review and approval process. This item has been verbally discussed, and is necessary for the City to maintain full eligibility for State funding programs during the fall application period. Consistent with our prior discussions, our subcontract with ESA/Adolfson has been revised from a not-to-exceed value of \$23,000 to a value of \$53,000. Additional Kennedy/Jenks coordination time and direct expenses have also been added to this task. I would be happy to discuss and/or furnish more detail on these items at your request.

The cumulative result of the above changes is an estimate of approximately \$8,000 in additional effort. We are continuing to work on the project under the authorized contract amount and will attempt to accommodate this additional effort within the current budget, but we wanted to alert you that additional costs may be incurred from these items outside the original Scope of Work. We will continue to monitor the budget status and let you know if additional discussion is needed at a future date. Another area where additional labor and expenses might be incurred is in preparing the supplemental items requested by Ecology for attachment to the WWTP Engineering Report so that it may be approved as a Facility Plan. At this time, the outlined items from Ecology are felt to be minimal in required effort, outside of the additional SERP work that will be performed by ESA/Adolfson.

3. Schedule – Schedule Update #5 is attached with this invoice, and indicates the 90% submittal milestone to both Ecology and the City on July 14, as has been discussed. The schedule also includes added milestones for the SERP review and approval process being performed by ESA/Adolfson. Our schedule is now on a critical path to meet the 14 July milestone; even delays of a day on exchange of needed information will impact our ability to

Mr. James X. Kelly, P.E. City of Arlington 27 May 2008 Page 3

produce documents that we consider to be at the 90% level. For this reason, we will be anxious to discuss schedule, as well as essential submittal elements, with Mike Dawda in our meeting at Ecology on 27 May. We have submitted "permit issue" contract documents on other projects in the past that have been full 90% submittals, and still obtained approval. Having the flexibility to rename the 14 July submittal as an "Approval Set", or delaying the submission by a week or two in order to attain a true 90% design level, might become a viable alternative if delays are encountered. These alternatives will not be viable, we realize, if they negatively impact Ecology approval of construction documents before the City's submission of SRF/Centennial Fund program applications in October.

The final date of this billing invoice represents completion of the 46th week out of a projected 72-week contract schedule that concludes with award of the WWTP construction contract. The schedule is 64 percent complete. Our total project expenditures through this billing period represent 61 percent of the total contract value.

If you have any questions or concerns regarding the project progress, please contact me at (253) 874-0555.

Very truly yours,

KENNEDY/JENKS CONSULTANTS

Christopher W. Kelsey, P.E.

Chistophia W. Elkay

Project Manager

Enclosure

Kennedy/Jenks Consultants

Current Billings

Engineers & Scientists

622 Folsom Street San Francisco, CA 94107

> Phone: 415-243-2150 Fax: 415-543-8061

City of Arlington 238 North Olympic Avenue Arlington WA 98223

Attention: James X. Kelly

Invoice #: 32734 Invoice Date: 5/20/2008 Project: 0597002*02

Project Name: Arlington WWTP/BCF Final

For Professional Services Rendered through: 5/2/2008

Professional Engineering Services to provide final design of improvements to, and expansion of, the City of Arlington, Washington Wastewater Treatment Plant (WWTP) and Biosolids Composting Facility (BCF) in accordance with the Professional Services Agreement dated 21 March 2005 and Kennedy/Jenks Amendment No. 4 dated 19 June 2007.

			Guiront Binnigo
Phase: 0 ODC			
Othe	r Direct Expenses		357.91
Phase : 4*14 Pro	ject Management - QA/0	QC	
Labo	or		15,330.00
Subo	consultant		2,145.00
Phase : 4*16 Tre	atment Process Modelir	ng	
Labo	or		3,580.00
Phase : 4*19 Per	rmitting and Funding As	sistance	
Labo	or		2,520.00
Phase : 4*20 Pul	blic Education and Outre	each	·
Labo	or		1,110.00
Phase : 4*21 Pro	ject Meetings		,
Labo			6,170.00
	al Design Documents		0,170.00
Labo	•		220,331.25
Labo	Л	Current Invoice	251,544.16
_		ourient invoice	201,044.10
Fee:	1,727,825.00		
Prior Billings :	795,091.87		
•	251,544.16		
Total Billings :	1,046,636.03		
		Billing Amount	251,544.16
		Total Current Invoice	251,544.16
		Amount Due This Invoice:	251,544.16

Cost	Multiplier	Amoun
176.68	1.10	194.35
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02.12	1.10	00.00
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	Rate	Amoun
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	0.48	76.32
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		357.91
	Rate	Amoun
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	180.00	9,450.00
		9,720.00
	220.00	495.00
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		10,355.00
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	Rate	Amoun
	rato	Amoun
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	200.00	800.00
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Cost	Multiplier	Amoun
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Total Phase: 4*14 Project Management			
Total Fliase: 4 14 1 Toject Management	- QA/QC	-	17,475.00
Phase: 4*16 Treatment Process Modeling			
Task: 01 All Work			
Class / Employee Name	Hours	Rate	Amoun
Administrative Assistant			
Aihara, Jill Y. (H)	1.00	70.00	70.00
Engineer/Scientist/Specialist 3	27.00	120.00	2.540.00
Kim, Eun-Woong - 9/80	27.00	130.00	3,510.00
Total : Labor		_	3,580.00
Total Task: 01 All Work		_	3,580.00
Total Phase : 4*16 Treatment Process M	lodeling		3,580.00
Phase: 4*19 Permitting and Funding Assist	tance		
Task: 01 All Work			
Class / Employee Name	Hours	Rate	Amount
Engineer/Scientist/Specialist 6			
Giese, Thomas P.	1.00	180.00	180.00
Kelsey, Christopher W.	13.00	180.00	2,340.00
Total: Engineer/Scientist/Specialist 6	14.00		2,520.00
Total : Labor			2,520.00
Total Task: 01 All Work		_	2,520.00
Total Phase: 4*19 Permitting and Fundi	ing Assistance	_	2,520.00
Phase: 4*20 Public Education and Outreac	h		
Phase : 4*20 Public Education and Outreac Task : 01 All Work	h		
	h Hours	Rate	Amoun
		Rate	Amoun
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA)			
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6	<u>Hours</u> 4.00	120.00	480.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P.	<u>Hours</u> 4.00 1.00	120.00 180.00	480.00 180.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W.	4.00 1.00 2.50	120.00	480.00 180.00 450.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6	<u>Hours</u> 4.00 1.00	120.00 180.00	480.00 180.00 450.00 630.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6 Total: Labor	4.00 1.00 2.50	120.00 180.00	480.00 180.00 450.00 630.00 1,110.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6	4.00 1.00 2.50	120.00 180.00	480.00 180.00 450.00 630.00 1,110.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6 Total: Labor	4.00 1.00 2.50 3.50	120.00 180.00	480.00 180.00 450.00 630.00 1,110.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6 Total: Labor Total Task: 01 All Work	4.00 1.00 2.50 3.50	120.00 180.00	480.00 180.00 450.00 630.00 1,110.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6 Total: Labor Total Task: 01 All Work Total Phase: 4*20 Public Education and	4.00 1.00 2.50 3.50	120.00 180.00	480.00 180.00 450.00 630.00 1,110.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6	4.00 1.00 2.50 3.50	120.00 180.00	480.00 180.00 450.00 630.00 1,110.00 1,110.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6 Total: Labor Total Task: 01 All Work Total Phase: 4*20 Public Education and Phase: 4*21 Project Meetings Task: 01 All Work	Hours 4.00 1.00 2.50 3.50 4 Outreach	120.00 180.00 180.00	480.00 180.00 450.00 630.00 1,110.00 1,110.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6	Hours 4.00 1.00 2.50 3.50 4 Outreach	120.00 180.00 180.00	480.00 180.00 450.00 630.00 1,110.00 1,110.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6	Hours 4.00 1.00 2.50 3.50 4 Outreach Hours 16.50 8.00	120.00 180.00 180.00	480.00 180.00 450.00 630.00 1,110.00 1,110.00 Amoun 2,970.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6	Hours 4.00 1.00 2.50 3.50 4 Outreach Hours 16.50	120.00 180.00 180.00	480.00 180.00 450.00 630.00 1,110.00 1,110.00 Amoun 2,970.00 1,440.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6	Hours 4.00 1.00 2.50 3.50 3.50 Hours 16.50 8.00 24.50	120.00 180.00 180.00	480.00 180.00 450.00 630.00 1,110.00 1,110.00 Amoun 2,970.00 1,440.00 4,410.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6	Hours 4.00 1.00 2.50 3.50 4 Outreach Hours 16.50 8.00	120.00 180.00 180.00	480.00 180.00 450.00 630.00 1,110.00 1,110.00 1,110.00 4,410.00 4,410.00 1,760.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6	Hours 4.00 1.00 2.50 3.50 3.50 Hours 16.50 8.00 24.50	120.00 180.00 180.00	480.00 180.00 450.00 630.00 1,110.00 1,110.00 2,970.00 1,440.00 4,410.00 1,760.00 6,170.00
Task: 01 All Work Class / Employee Name Designer/Senior Technician Everhart, Robert L. (H-WA) Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6 Total: Labor Total Task: 01 All Work Total Phase: 4*20 Public Education and Phase: 4*21 Project Meetings Task: 01 All Work Class / Employee Name Engineer/Scientist/Specialist 6 Giese, Thomas P. Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6 Engineer/Scientist/Specialist 8 deMontigny, Eric A.	Hours 4.00 1.00 2.50 3.50 3.50 Hours 16.50 8.00 24.50	120.00 180.00 180.00	Amount 480.00 180.00 450.00 630.00 1,110.00 1,110.00 1,110.00 1,440.00 4,410.00 6,170.00 6,170.00

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Rate	Amoun
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05.00	400.00
95.00	190.00
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130.00	12,870.00
100.00	12,070.00
180.00	6,030.00
180.00	810.00
	6,840.00
	0,040.00
220.00	2,310.00
	25,220.00
	25,220.00
Rate	Amount
130.00	6,500.00
180.00	1,260.00
	7,760.00
	7,760.00
	1,11111
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Rate	Amount
130.00	2,535.00
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	5,328.75
145.00	15,442.50
	20,771.25
	180.00

Project:	0597002*02 A	rlington WWTP/BCF F	inal Design 4B	Invoice # :32734
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roject: 0597002 02 Annigton WWTP/BCF F	iliai Desigli 46	invoice # :327	34
Phase: 4*22 Final Design Documents			
Task: 04 WWTP Structural			
Class / Employee Name	Hours	Rate	Amoun
Engineer/Scientist/Specialist 6		<u> </u>	
Giese, Thomas P.	5.00	180.00	900.00
Kelsey, Christopher W.	1.50	180.00	270.00
Total: Engineer/Scientist/Specialist 6	6.50	•	1,170.00
Engineer/Scientist/Specialist 7			•
Barraza, Donald L	4.00	200.00	800.00
Total : Labor			25,276.25
Total Task: 04 WWTP Stru	ıctural	-	25,276.25
	otal al		20,210.20
Task: 05 WWTP Architectural			
Class / Employee Name	<u>Hours</u>	Rate	Amoun
Engineer/Scientist/Specialist 5			
Robley, Greg A.	12.00	160.00	1,920.00
Engineer/Scientist/Specialist 6	0.50	100.00	00.00
Giese, Thomas P.	0.50	180.00	90.00
Kelsey, Christopher W.	5.00	180.00	900.00
Defferding, Chris F. (OR)	2.00	180.00	360.00
Total: Engineer/Scientist/Specialist 6 Engineer/Scientist/Specialist 8	7.50		1,350.00
Ramroth Jr, William G	1.50	220.00	330.00
Wright, Daniel J 9/80	53.50	220.00	11,770.00
Total: Engineer/Scientist/Specialist 8	55.00	•	12,100.00
Total : Labor			15,370.00
Total Task: 05 WWTP Arcl	hitactural	=	15,370.00
	intectural		13,370.00
Task: 06 WWTP Mechanical			
Class / Employee Name	<u>Hours</u>	Rate	Amoun
Administrative Assistant			
Aihara, Jill Y. (H)	0.50	70.00	35.00
Designer/Senior Technician	407.50	100.00	45.000.00
Marx, Larry M. (H)	127.50	120.00	15,300.00
Engineer/Scientist/Specialist 2 Campbell, Renee C.	88.50	115.00	10 177 50
•			10,177.50
Tinnell, Dylan B.	90.50	115.00	10,407.50
Total: Engineer/Scientist/Specialist 2 Engineer/Scientist/Specialist 3	179.00		20,585.00
Womack, Thomas W. (H)	109.00	130.00	14,170.00
Kim, Eun-Woong - 9/80	108.00	130.00	14,040.00
Total: Engineer/Scientist/Specialist 3 Engineer/Scientist/Specialist 4	217.00		28,210.00
Ray, Ryan P.	32.00	145.00	4,640.00
Engineer/Scientist/Specialist 5			
Bujacich, William E	6.00	160.00	960.00
Engineer/Scientist/Specialist 6			
Huang, Sunny S.	20.00	180.00	3,600.00
a. — –		400.00	24,930.00
Giese, Thomas P.	138.50	180.00	27,000.00
Giese, Thomas P. Kelsey, Christopher W.	138.50 16.50	180.00 180.00	
Kelsey, Christopher W.	16.50		2,970.00
Kelsey, Christopher W. Total: Engineer/Scientist/Specialist 6			2,970.00
Kelsey, Christopher W.	16.50		2,970.00 31,500.00 200.00

Project:	0597002*02	Arlington WWTP/BCF F	inal Design 4B	Invoice # :32734
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Phase : 4*22 Final Design Documents			
Total Task: 06 WWTP Mec	hanical		101,430.00
Task: 07 WWTP Electrical			
Class / Employee Name	Hours	Rate	Amount
CAD/Technician			
Hoffer, Bryan B. (H)	15.50	95.00	1,472.50
Engineer/Scientist/Specialist 3			
Tran, Hiep V 9/80	7.00	130.00	910.00
Engineer/Scientist/Specialist 6 Bogomolov, Vladimir A 9/80	40.00	400.00	7 200 00
Engineer/Scientist/Specialist 7	40.00	180.00	7,200.00
Reardon, Paul A.	12.00	200.00	2,400.00
Total: Labor	00	_00.00	11,982.50
Total Task: 07 WWTP Elec	trical		11,982.50
Task: 08 WWTP Instrumentation	iricai		11,962.50
	Hours	Data	A
Class / Employee Name	<u>Hours</u>	Rate	Amount
Designer/Senior Technician Marx, Larry M. (H)	20.50	120.00	2 460 00
Engineer/Scientist/Specialist 3	20.50	120.00	2,460.00
Kim, Eun-Woong - 9/80	6.00	130.00	780.00
Engineer/Scientist/Specialist 6	0.00		
Huang, Sunny S.	15.00	180.00	2,700.00
Giese, Thomas P.	22.75	180.00	4,095.00
Kelsey, Christopher W.	1.50	180.00	270.00
Total: Engineer/Scientist/Specialist 6	39.25		7,065.00
Total : Labor			10,305.00
Total Task: 08 WWTP Instr	umentation		10,305.00
Task : 21 Specifications			
Class / Employee Name	Hours	Rate	Amount
Engineer/Scientist/Specialist 6			
Giese, Thomas P.	1.00	180.00	180.00
Total : Labor			180.00
Total Task: 21 Specificatio	ns		180.00
Task : 22 Estimates of Probable Cost			
Class / Employee Name	Hours	Rate	Amount
Engineer/Scientist/Specialist 5	110013	rato	Amount
Hoffman, Janet L. (pH)	23.50	160.00	3,760.00
Engineer/Scientist/Specialist 6	20.00	100.00	0,7 00.00
Giese, Thomas P.	17.75	180.00	3,195.00
Kelsey, Christopher W.	16.50	180.00	2,970.00
Total: Engineer/Scientist/Specialist 6	34.25		6,165.00
Engineer/Scientist/Specialist 8			
deMontigny, Eric A.	8.00	220.00	1,760.00
Total: Labor			11,685.00
Total Task: 22 Estimates o	f Probable Cost		11,685.00
Total Phase: 4*22 Final Design Docume	nts		220,331.25
Total This Invoice			251,544.16

Process Engineering Solutions For Sustainable Environmental Resources

INVOICE 03-05 March 26, 2008

Mr. Tom Giese, PE Kennedy Jenks Engineers 32001 32nd Avenue South, Suite 100 Federal Way, Washington 98001-9625 RECEIVED

APR 0 1 2008

K/J ACCOUNTING

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-	IL	111	_

H. David Stensel

Federal Tax ID # 91-1910047

H. David Stensel, Inc. 7631 E. Mercer Way Mercer Island, WA. 98040 (206) 236-2541 stensel@u.washington.edu

Consulting Engineering Services – January 20, 2008 to March 20, 2008 Arlington Final Design, Phase 4B

Kennedy Jenks Project No. 0597002*02

1. Reviewed and provided edits to draft report following KJ review - email Feb 3

4 hrs

2. Reviewed input on model calibration and re-ran model runs

Emails Feb. 5 and Feb 13

8 hrs

3. Report review and misc process items

Emails Mar 5, Mar 16

1 hrs Total 13 hrs

Total Time...13 hrs at \$150/hr = \$1950.00

Total Time and Expenses:

\$1,950.00

Total Amount Due: \$1,950.00

Payable to H. David Stensel, Inc. 7631 E. Mercer Way

RECEIVING PREPART 98040 3 31 08 Previous outstanding in January 27, 2008

RECEIVED MAR 27 2008

K/J Federal Way

RECO/APPRO	NED BY	LOS K	eltey	DATE	4
00.60 *-	059740	202	- PHASE	4*14	
NEW VENDOR:	V/N IF YES	OM		481	TAME A) H
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Pay after K/J paid

Project: Name: City of Arlington WWTP Expansion and Upgrade

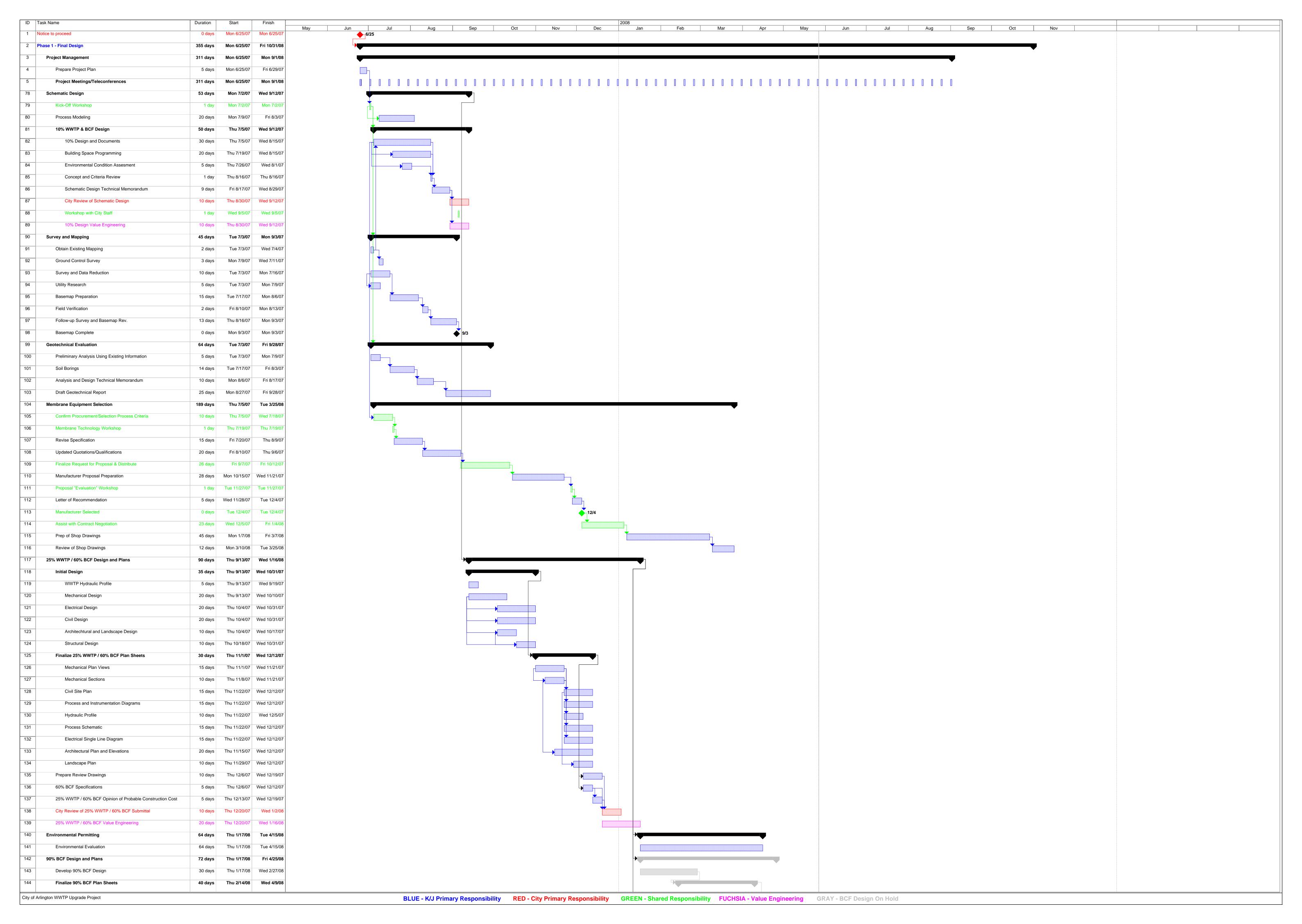
KJ Project Manager: Chris Kelsey
City Project Manager: James Kelly

Report Type: Invoice Budget Summary Report

Period Start Date: 3/1/2008
Period End Date: 5/2/2008

		Original	Budget	Revised	Previous	Current	
Task	Description	Budget	Adjustment	Budget	Billing	Billing	Balance
	Other Direct Costs	\$ 23,870.00	\$ (900.00)	\$ 22,970.00	\$ 6,632.79	\$ 357.91	\$ 15,979.30
4.14	Project Management, Coordination, QA/QC	\$ 170,230.00	\$ (12,000.00)	\$ 158,230.00	\$ 91,881.50	\$ 17,475.00	\$ 48,873.50
4.15	Membrane Equipment Selection	\$ 42,380.00	\$ 56,397.50	\$ 98,777.50	\$ 98,777.50	\$ -	\$ -
4.16	Treatment Process Modeling	\$ 23,650.00	\$ -	\$ 23,650.00	\$ 23,250.00	\$ 3,580.00	\$ (3,180.00)
4.17	Schematic Design	\$ 81,760.00	\$ -	\$ 81,760.00	\$ 83,006.25	\$ -	\$ (1,246.25)
4.18	Site Investigation	\$ 50,640.00	\$ -	\$ 50,640.00	\$ 47,997.58	\$ -	\$ 2,642.42
4.19	Permitting and Funding Assistance	\$ 41,000.00	\$ 29,912.00	\$ 70,912.00	\$ 1,785.00	\$ 2,520.00	\$ 66,607.00
4.20	Public Education and Outreach	\$ 3,600.00	\$ -	\$ 3,600.00	\$ -	\$ 1,110.00	\$ 2,490.00
4.21	Project Meetings	\$ 55,810.00	\$ (1,800.00)	\$ 54,010.00	\$ 34,856.25	\$ 6,170.00	\$ 12,983.75
4.22	Final Design Documents	\$ 76,554.00	\$ (7,000.00)	\$ 69,554.00	\$ 24,946.25	\$ 11,865.00	\$ 32,742.75
4.22A	WWTP Design Drawings	\$ 913,269.00	\$ -	\$ 913,269.00	\$ 221,863.75	\$ 208,466.25	\$ 482,939.00
4.22B	BCF Design Drawings	\$ 193,212.00	\$ (44,115.75)	\$ 149,096.25	\$ 149,096.25	\$ -	\$ -
4.23	Other Design Documents	\$ 34,590.00	\$ (7,900.00)	\$ 26,690.00	\$ 7,827.50	\$ -	\$ 18,862.50
4.24	Bidding Services	\$ 17,260.00	\$ (4,800.00)	\$ 12,460.00	\$ 3,171.25	\$ -	\$ 9,288.75
	Total	\$ 1,727,825.00	\$ 7,793.75	\$ 1,735,618.75	\$ 795,091.87	\$ 251,544.16	\$ 688,982.72

NOTES: see attached letter



ID Task Name	Duration Start Finish	2008
145 Address Comments from Previous BCF Submittal	35 days Thu 2/14/08 Wed 4/2/08	Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov
146 Civil Details	5 days Thu 2/28/08 Wed 3/5/08	
147 Mechanical Details	10 days Thu 3/6/08 Wed 3/19/08	
147 Mechanical Details 148 Architectural Details	5 days Thu 3/20/08 Wed 3/19/08	
149 Electrical Details	20 days Thu 3/13/08 Wed 4/9/08	
150 Structural Details	25 days Thu 3/6/08 Wed 4/9/08	
151 Prepare BCF Review Drawings (Use for Permits)	8 days Wed 4/2/08 Fri 4/11/08	
152 90% BCF Specifications	10 days Mon 3/31/08 Fri 4/11/08	
153 90% BCF Opinion of Probable Construction Cost	10 days Mon 3/31/08 Fri 4/11/08	
154 City Review of 90% BCF Submittal	10 days Mon 4/14/08 Fri 4/25/08	
155 BCF Permit Review	45 days Mon 4/14/08 Fri 6/13/08	
156 DOE Review of WWTP Design Documents	45 days Mon 4/14/08 Fri 6/13/08	
157 City Planning, Building, & Fire Dept. Review of Design Docs	45 days Mon 4/14/08 Fri 6/13/08	
158 L&I Electrical Review of Design Documents	45 days Mon 4/14/08 Fri 6/13/08	
159 100% BCF Contract Documents	60 days Mon 4/14/08 Fri 7/4/08	
160 Prepare Div 1 Specification, Provide Input to Div 0	10 days Mon 4/14/08 Fri 4/25/08	
161 Incorporate Comments	40 days Mon 4/28/08 Fri 6/20/08	
162 Prepare Draft Bid Set	5 days Mon 6/23/08 Fri 6/27/08	
163 Final City Review	2 days Mon 6/30/08 Tue 7/1/08	
164 Prepare Final Bid Set	2 days Wed 7/2/08 Thu 7/3/08	
165 Arrange for Bid Set Printing	1 day Fri 7/4/08 Fri 7/4/08	
166 60% WWTP Design and Plans	72 days Thu 1/17/08 Fri 4/25/08	
167 Develop 60% WWTP Design	30 days Thu 1/17/08 Wed 2/27/08	
168 Finalize 60% WWTP Plan Sheets	40 days Thu 2/14/08 Wed 4/9/08	
169 Address Comments from Previous WWTP Submittal	35 days Thu 2/14/08 Wed 4/2/08	
170 Civil Grading Plan	5 days Thu 2/28/08 Wed 3/5/08	
171 Civil Piping Plan and Profiles	10 days Thu 3/6/08 Wed 3/19/08	
171 Civil Piping Plan and Profiles 172 Demolition Drawings	5 days Thu 3/20/08 Wed 3/26/08	
172 Demonition Drawings 173 Electrical Power Plan	5 days Thu 3/13/08 Wed 3/19/08	
	20 days Thu 3/13/08 Wed 4/9/08	
	25 days Thu 3/6/08 Wed 4/9/08	
176 Prepare WWTP Review Drawings	8 days Wed 4/2/08 Fri 4/11/08	
177 60% WWTP Specifications	10 days Mon 3/31/08 Fri 4/11/08	
178 60% WWTP Opinion of Probable Construction Cost	10 days Mon 3/31/08 Fri 4/11/08	
179 City Review of 60% WWTP Submittal	10 days Mon 4/14/08 Fri 4/25/08	
180 Environmental Permitting	116 days Fri 5/23/08 Fri 10/31/08	
181 Mail-Out Initial Agency/Tribe SERP Notification Letter	23 days Fri 5/23/08 Tue 6/24/08	
182 Submit Draft SERP ER to KJ/City	14 days Wed 6/25/08 Mon 7/14/08	
183 Submit Final SERP to Ecology	35 days Tue 7/15/08 Mon 9/1/08	
184 Ecology Review and Concurrence	22 days Tue 9/2/08 Wed 10/1/08	
185 Prepare Shoreline Permit Application	10 days Mon 7/21/08 Fri 8/1/08	
186 Shoreline Permit Review	53 days Mon 8/4/08 Wed 10/15/08	
187 Other Environmental Permit Applications	23 days Wed 10/1/08 Fri 10/31/08	
188 90% WWTP Design and Plans	76 days Mon 4/28/08 Mon 8/11/08	
189 Develop WWTP 90% Design	15 days Mon 4/28/08 Fri 5/16/08	
190 Finalize WWTP 90% Plan Sheets	51 days Mon 5/5/08 Mon 7/14/08	
191 Revise Sheets Developed During 60% Design	51 days Mon 5/5/08 Mon 7/14/08	
192 Mechanical Details	10 days Mon 6/2/08 Fri 6/13/08	
193 Civil Details	5 days Mon 5/26/08 Fri 5/30/08	
194 Electrical Details	10 days Mon 6/23/08 Fri 7/4/08	
195 Architectural Details	10 days Mon 6/2/08 Fri 6/13/08	
196 Structural Details	15 days Mon 6/9/08 Fri 6/27/08	
197 Prepare Review Drawings (Use for Permits)	5 days Tue 7/8/08 Mon 7/14/08	
198 90% WWTP Specifications	15 days Tue 6/24/08 Mon 7/14/08	
199 90% WWTP Opinion of Probable Construction Cost	10 days Tue 7/1/08 Mon 7/14/08	
200 City Review of 90% WWTP Submittal	20 days Tue 7/15/08 Mon 8/11/08	
201 WWTP Permit Review	45 days Tue 7/15/08 Mon 9/15/08	
202 DOE Review of WWTP Design Documents	45 days Tue 7/15/08 Mon 9/15/08	
203 City Planning, Building, & Fire Dept. Review of Design Docs	45 days Tue 7/15/08 Mon 9/15/08	
204 L&I Electrical Review of Design Documents	45 days Tue 7/15/08 Mon 9/15/08	
204 L&I Electrical Review of Design Documents 205 100% WWTP Contract Documents		
	83 days Thu 6/19/08 Mon 10/13/08	
206 Prepare Div 1 Specification, Provide Input to Div 0	10 days Thu 6/19/08 Wed 7/2/08	
207 Incorporate Comments	35 days Tue 8/12/08 Mon 9/29/08	
208 Prepare Draft Bid Set	5 days Tue 9/30/08 Mon 10/6/08	
209 Final City Review	2 days Tue 10/7/08 Wed 10/8/08	
210 Prepare Final Bid Set	2 days Thu 10/9/08 Fri 10/10/08	
211 Arrange for Bid Set Printing	1 day Mon 10/13/08 Mon 10/13/08	
212 Phase 2 Bidding Support	111 days Mon 7/7/08 Mon 12/8/08	
213 BCF Bidding Support	20 days Mon 7/7/08 Fri 8/1/08	
214 WWTP Bidding Support	40 days Tue 10/14/08 Mon 12/8/08	
215 Phase 3 Construction Support		
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City of Arlington WWTP Upgrade Project		BLUE - K/J Primary Responsibility RED - City Primary Responsibility GREEN - Shared Responsibility FUCHSIA - Value Engineering GRAY - BCF Design On Hold