

CITY OF PALMER ACTION MEMORANDUM No. 10-047

SUBJECT: Authorize the City Manager to Execute Amendment No. 2 to Hattenburg Dilley and Linnell (HDL) for the Palmer Southwest Utility Extension, Phase II in the Amount of \$150,902

AGENDA OF: July 13, 2010

Council action:	Authorized
------------------------	-------------------

Approved for presentation by B. B. Allen, City Manager B. B. Allen

Route To:	Department/Individual:	Initials/Date:	Remarks:
X	Originator – Public Works	<i>CKL</i>	
X	City Clerk	<i>JJS</i>	
X	City Attorney	<i>[Signature]</i> 7/7/10	
X	Director of Administration	<i>[Signature]</i>	
	Director of Community Development		
	Director of Community Services		
	Director of Public Safety		
	Director of Public Works		

Attachment(s): Amendment No. 2

Certification of Funds:

	No fiscal impact.	
X	Funds are budgeted from this account number: ADEC #67116 24-20-06-6XXX (70%) and ADEC City Match 24-02-06-6XXX (30%)	\$150,902
	Funds are not budgeted. Budget modification is required. Affected account number:	

Director of Administration Signature: *[Signature]*

Summary statement: Attached is Amendment No. 2 for the Palmer Southwest Utility Extension Phase II project. This project includes engineering services for both Phase IIa which includes the Reservoir 4 and College Water System; it also includes the Phase IIb which is the Trunk Road Reconstruction Phase 1, Water System project with Scarsella Brothers, Inc. The amendment increases the unanticipated additional services for surveying, final design; adds construction phase services and the water system modeling for a total of \$150,902 which is described in more detail in the attached Amendment 2.

Amendment Summary

Task 3	Surveying Mapping and Easements	\$ 29,525
Task 7	Final Design	\$ 42,920
Task 9	Construction Administration	\$ 62,657
Task 10	Water System Modeling	\$ 15,800
Amendment Total		\$ 150,902

Background

The original project was to perform site selection, planning, and design of an approximately 1.0 million gallon water storage reservoir located near Trunk Road. This included extending the water transmission main north approximately 5,000 feet along Trunk Road. The anticipated reservoir site was a relatively flat 1 to 2 acre residential lot on high topography in Pressure Zone 1. The original project cost was estimated to be \$3.43 million. The Professional Services Agreement was executed on August 15, 2008, for \$366,829.

Amendment No. One was issued on February 22, 2010, in the amount of \$254,962. The amendment increased engineering, surveying, and geotechnical work to design an additional 4,400 feet of water transmission main; to locate the College Reservoir on a larger, more topographically challenging 5-acre UA parcel being acquired by the City; to perform preliminary site planning for a future fire station; to provide slope stability analysis for the proposed reservoir; to plan and design a 1,350 foot access road to connect the eastern portion of Mat-Su College Campus with new Trunk Road and to design a 2,100-foot water main and a new booster pump station to provide the college with drinking and fire suppression water.

Professional Services Agreement (PSA)	\$ 366,829.00
Amendment No. One	\$ 254,962.00
Subtotal	\$ 621,791.00
Amendment No. Two	\$ 150,902.00
Total	\$ 772,693.00

Administration recommendation: Approve action memorandum 10-047.

AMENDMENT NUMBER 2

PROFESSIONAL SERVICES AGREEMENT

Between the City of Palmer and Hattensburg Dilley & Linnell Engineering Consultants

For Palmer Southwest Utility Extension, Phase II

This amendment is made and entered into this ____ day of _____, 2010, by and between the City of Palmer (City) and Hattensburg, Dilley & Linnell Engineering Consultants (Consultant) as authorized by the Council on July 13, 2010. This document amends the Professional Services Agreement dated August 15, 2008, (the Agreement) between the City and Consultant for the provision of professional services for the Palmer Southwest Utility Extension, Phase II as follows:

1. Add additional design phase services as discussed in the attached fee proposal dated June 4, 2010, consisting of 14 pages hereinafter referred to as "Exhibit A" are made a part of the professional services agreement.
2. Provides additional payment to the consultant on a time and material basis for the services included in this amendment, in an amount not to exceed \$150,902.
3. These additional services increase the not to exceed total compensation amount in section 6.D. of the agreement as follows:

Professional Services Agreement- Design	\$366,829.00
Previous Amendments	\$254,962.00
	<i>Sub-Total</i> <u>\$621,791.00</u>
Amendment No. 2	<u>\$150,902.00</u>
Total	\$772,693.00

4. Section 5 Time and Performance of Services is amended by changing the termination date from December 1, 2009 to November 30, 2011.

All other provisions of this Agreement remain unchanged.

CITY OF PALMER

CONSULTANT

B.B. Allen, City Manager Date

David Lundin, P.E. Date

June 4, 2010

File: 78-046

Mr. Carter Cole, Director of Public Works
City of Palmer
231 West Evergreen Avenue
Palmer, Alaska 99645

Re: Amendment for Additional Services
Palmer Southwest Utility Extension, Phase II
Trunk Road Water Main Extension, Reservoir 4 & College Water System

Dear Mr. Cole:

This letter is an amendment request for the Palmer Southwest Utility System Extension, Phase II project. This project includes both *Phase IIa - Reservoir 4 & College Water System* and *Phase IIb – Trunk Road Reconstruction Phase 1 Water System*. This amendment request identifies the work and increases the contract budget for unanticipated additional assistance with acquisition and platting of the reservoir site, unanticipated additional engineering to re-package the Trunk Road Water System construction documents, unanticipated additional design for the booster station, unanticipated SCADA design, and unanticipated additional effort preparing specifications for the College Water System. This amendment also includes proposed additional services, as requested, for the construction-phase of the Trunk Road Water System and for water system modeling.

Background

The original project was to perform site selection, planning, and design of an approximately 1.0 million gallon water storage reservoir located near Trunk Road. Also included was extending the water transmission main north approximately 5,000 feet along Trunk Road. The anticipated reservoir site was a relatively flat 1 to 2 acre residential lot on high topography in Pressure Zone 1. The original project cost was estimated to be \$3.43 million.

Under contract Task 1, HDL prepared a Preliminary Engineering Report, which included site selection. It was determined that the best location for this water reservoir was adjacent to the new Trunk Road alignment at the north edge of the University of Alaska (UA), Mat-Su College campus. This more northerly water reservoir site has the proper elevation to match the elevation of Reservoir 1 with an at-grade tank. Selecting this site avoided the risk of an elevated tank or the long-term capital and O&M costs of pressure boosting pumps and pressure regulation in the City of Palmer’s Pressure Zone 1, which would occur with an at-grade tank that does not match the existing Zone 1 reservoir elevation. (Note that serving water to the Mat-Su College campus from Zone 1 requires boosting pressure until it can be served by a future Zone 2 system.)

- CIVIL ENGINEERING
- GEOTECHNICAL ENGINEERING
- TRANSPORTATION ENGINEERING
- ENVIRONMENTAL SERVICES
- PLANNING
- SURVEYING
- CONSTRUCTION ADMINISTRATION
- MATERIAL TESTING

The proposed reservoir location requires the construction of 9,400 feet of water transmission main, which is 4,400 L.F. longer than what was originally anticipated. Also, the agreement between the City and UA for acquisition of the reservoir site requires that the City construct an access road to connect the eastern portion of Mat-Su College with the new Trunk Road and to provide the College with drinking and fire suppression water. The campus elevation is too high to be served by Pressure Zone 1 and requires booster pumps increase the pressure provided by the Zone 1 system. The additional effort for design of the longer transmission main, the access road, the booster station, and the water pipeline to the College was included in Amendment 1.

Unanticipated Additional Services

Several work items were added or required substantially more effort than was anticipated in the original contract and amendment. These items are described below.

TASK 3 – Surveying

- a. MSB Platting Department. Our proposal was based on the typical platting process of receiving platting requirements in a pre-application meeting. However, instead of receiving the information in the initial pre-application meeting, several meetings were required with the Platting Department staff, as well as with Land Management staff and Planning staff, to resolve the platting. In several instances, we were provided information that was revised later, causing several missteps and requiring additional effort. The additional cost for this coordination effort is estimated to have been \$2,760.
- b. Platting Variances. We based our initial platting fee on combining the UA parcels and creating a small 5-acre parcel for the water tank and future fire station. It appeared to be a straight forward plat without the need of variances or waivers. As the field survey and title research progressed, it was discovered that one UA parcel contains code violations that would preclude plat approval. The plat configuration was changed to avoid these conflicts; however, this eliminated direct access to Trunk Road. After extensive negotiations, final plat approval required two variances from MSB subdivision code. The total cost of reconfiguring the plat and preparing the variances is estimated to have been \$6,420.
- c. Plat Easement Negotiations and Exhibits. The original estimate did not anticipate the cost to prepare the multiple drafts of the access easement and exhibits or the time needed to negotiate with MSB and UA. MSB code does not allow for private easements to meet the platting access requirements and extensive effort was required to persuade MSB Land Management, Platting, and Planning departments to allow the easement. The final width of the easement was revised several times, each time requiring the drawing to be changed. The total cost to prepare the easement exhibits and negotiate the agreement is estimated to have been \$6,520.

- d. Flood Elevation Determination. Our initial analysis of the small pond within the plat area was that the pond posed no threat of flooding and would not require a base flood elevation determination for plat approval. With no valid argument, the MSB did not accept our analysis and required a detailed topographic survey and flood study to determine the base flood elevation. The cost to prepare the completed flood study was approximately \$11,410.
- e. Plat Application Fees. Our previous fee estimate assumed that the plat application fee would be paid directly by the City; however the plat fee as well as the fee for the variances, was paid by HDL. The additional unanticipated reimbursable expense was \$2,415.

TASK 7 - Final Design

Work under the Final Design task has changed significantly. The following documents work items that required unanticipated additional effort.

- a. Trunk Road Reconstruction, Phase I Water System Plans and Specifications. Our scope of services assumed the plans and specifications for the water transmission main on Trunk Road would be incorporated by change order into the documents for the ADOT/PF Trunk Road Reconstruction Phase I project. However, after significant negotiations between ADOT/PF, City and the Trunk Road contractor (Scarsella Bros.), it was agreed that the City would contract with Scarsella directly and we were directed by the City to re-package the water system documents as a stand-alone City project. We were required to revise the plans and to prepare a complete project manual and specifications. Additionally, further negotiations between the City and Scarsella resulted in additional revisions to the specifications. The total cost of the unanticipated work is estimated to have been \$12,680.
- b. Booster Station Design. The design effort for the booster station was increased by several items. Our scope of services anticipated specifying a sodium hypochlorite injection system for boosting the disinfectant in the water system using stored liquid sodium hypochlorite solution. However, the City requested that we specify an on-site hypochlorite generation system, which required unanticipated additional research and design coordination. The on-site generation system also required a larger space in the building. This space need and the City's request that the building be designed to accommodate a future bathroom, required unanticipated design and coordination effort. Additionally, the effort for pump selection and booster station piping design was inadvertently left out of the previous fee estimate. The total cost of the additional and unanticipated effort is estimated to be \$13,370.
- c. SCADA Design. Our scope of services included coordination with the SCADA system designer, but not the actual SCADA design. The City has requested that the designer work as a subconsultant under our contract. A scope and fee proposal from TecPro is attached. The total cost of this unanticipated effort is estimated to be \$8,925.

- d. College Water System Specifications. Our scope of services anticipated preparing specifications for the College Water System, including the access road, based on the 1998 Palmer Standard Specifications. However, as directed by the City, this work is being combined with the construction of Reservoir 4, for which the specifications are based on Engineer's Joint Contract Documents Committee (EJCDC) standard specifications. Unanticipated effort is required to prepare water system and access road specifications in EJCDC format. The total cost of this unanticipated effort is estimated to be \$3,060.
- e. ADEC Permitting. Our original scope of services included preparing and submitting to ADEC one package for Approval to Construct. The work was divided into two distinct construction packages as discussed in Amendment 1. However, the additional effort to prepare the second application, as well as the review fees for both applications, was inadvertently left out of our fee estimate. The total cost of this additional work and the application fees is estimated to be \$4,885.

Proposed Additional Services

As requested, we propose to provide additional professional services for this project, including construction phase services for the Trunk Road Reconstruction, Phase I Water System project (a.k.a. Southwest Utility Extension Phase IIb) and water system modeling.

TASK 9 – Construction Phase Services

We propose to provide construction phase engineering services for the Trunk Road Reconstruction, Phase I Water System project. We understand that the scope of work is generally to provide limited construction phase services prior to and during the anticipated 6-week construction period. We understand that full-time inspection is not desired, but that quality assurance material testing and periodic construction inspection may be requested. Based on these understandings, the proposed scope of services for this task is as follows:

SCOPE OF SERVICES

- a. Project Start-up / Review of Submittals and Shop Drawings. HDL will review material and equipment submittals, shop drawings, samples, and quality control submittals. HDL will attend a pre-construction conference.
- b. Assistance During Construction. HDL will review administrative submittals including schedules, quality control testing reports, traffic control plans, storm water pollution prevention plan and inspection reports, and contract closeout submittals. HDL will answer contractor questions during construction using the Design Clarification/Variation Request (DCVR) process. HDL will visit the site briefly (approximately one-hour) each day to observe the construction. We will prepare a written daily report of our observations. HDL will review daily construction reports generated by the contractor and City and relay to the City representative any potential concerns or items that may require correction or additional attention during construction. We will attend weekly

construction meetings and prepare minutes. We will review the contractor's pay requests, verify completed pay item quantities, and make recommendations for payment by the City. We will prepare RFP's, review contractor proposals and prepare Change Orders for any unanticipated and/or additional directed work. HDL will participate in formal substantial and final completion inspections and prepare a substantial completion inspection report and list of deficient items.

- c. Construction Staking. As requested, we will provide construction staking of the water system as shown in the project documents *Trunk Road Reconstruction, Phase I Water System*, dated April 26, 2010. Staking will be in accordance with CPSS Section 65.02 Construction Surveying, Article 2.9 Water Systems, and will include two off-set hubs and stakes spaced at 100 feet along straight runs of pipe and at each angle point, bend, tee, hydrant, valve, and other significant design features. We anticipate staking each location only one time – repeat staking due to damage or vandalism may result in additional costs. For efficiency, a minimum of 2,000 feet is anticipated be staked in each call-out. Approximately 48 hours notice must be provided to provide for scheduling of survey crews.
- d. Construction Inspection & Quality Assurance Material Testing. As requested, we have excluded providing full-time construction inspection and quality assurance material testing services. However, we have included allowances for 40 hours of on-site inspection in addition to our daily site visits and \$2,000 for field and/or laboratory material testing, if these services are requested by the City.
- e. Record Drawings/Closeout. HDL will prepare record drawings from the contractor's mark-up drawings and the engineer's observations made during construction. We will submit record drawings to the City in Adobe PDF format with one half-size print; final AutoCAD files will also be submitted on CD for your records. Record drawings will also be submitted to ADEC with a request for Approval to Operate. For the construction contract closeout, we will request a release of liens and a claims statement from the contractor and will distribute a project completion and acceptance certificate for execution.

BASIC ASSUMPTIONS

The following basic assumptions were used to prepare this estimate for construction phase services:

1. The City will be the primary point of contact for verbal and written communications and will provide coordination and oversight of contractor activities. HDL will coordinate directly with the City representative.
2. The City will provide inspection of buried utility installation and backfill, which is consistent with the customary standard of care for quality assurance of buried utility construction. The City's inspector will observe and document the construction with photographs and written daily reports, detailing the equipment, labor, inspections, testing, progress and activities occurring each day. Copies of reports will be provided to HDL daily for review.

3. HDL has excluded any significant level of inspection other than what is observed during daily, random, "stop-by" site visits. HDL on-site inspection and material testing will be on an as-requested basis.
4. City will verify the implementation of approved Traffic Control Plans and will provide SWPPP inspections.
5. Construction phase services for the reservoir and college water system are not included at this time and will be added by a future amendment.

COST PROPOSAL

We propose to provide construction phase services on a time-and-expenses basis using our published hourly labor rates and receiving reimbursement for subcontracts and expenses at cost plus 5%. Based on the scope of work and schedule, we expect the cost of our services not to exceed **\$62,657** as shown on the attached detailed fee estimate worksheet.

We have prepared our estimate of the time required to perform the proposed scope of services based on previous experience and the contract performance period. Additional budget may be necessary if additional design is required, if claim negotiation is required, or if the contractor's work extends beyond the performance period.

TASK 10 – Water System Modeling

As requested, HDL is pleased to present this proposal to assist the City with the completion of the City's water system model. We understand the goals are to have a working model of the water system and to have a staff-person trained in its use.

The City of Palmer water system currently consists of three water wells, three reservoirs, several pumps, 242,000 feet of water main, and over 1,900 service connections. A system model will help the City prioritize and plan system improvements, as well as allow scenarios to be run to explore possible changes to improve efficiency. About one year ago, the City started to prepare an electronic model of the system using HydraulCAD[®] computer software. Due to other priorities and commitments, the City has not had the time to complete the model. This task will update water system mapping, complete the basic model, calibrate the model using measured system performance (static pressures and hydrant flow rates), and train City staff in the use of the modeling software.

SCOPE OF SERVICES

We propose to provide professional services required to complete this project in cooperation with City staff. Our anticipated scope of services is as follows:

- a. Water System Map Update. We will update the City-wide water system mapping to include recently completed modifications to the system by incorporating record drawing information from projects constructed in 2009. Upon completion, we will provide you with the revised AutoCAD file.

- b. Water Model. We will use the draft water model started by the City and expand it for the entire system. We will then work with City staff to make any modifications required to calibrate the model to simulate actual, measured performance. The deliverable will be a working, calibrated system model.
- c. Staff Training. Simultaneous to adjusting the model, we will train one City staff member to use the model software.

BASIC ASSUMPTIONS

The following basic assumptions were used to prepare this estimate for water system modeling:

1. The City will provide a desktop computer pre-loaded with HydraulCAD[®], the draft model, and AutoCAD[®] software. The City's computer will temporarily be moved to our Palmer or Anchorage office during model development.
2. One-on-one work with City staff to modify and calibrate the model and to train the staff-person will be at our Palmer office.
3. We do not anticipate collecting any additional field data.
4. Preparing and calibrating a water system model is an ongoing and constantly changing task, and as such can require a significant amount of time adding details, system changes, and making minor adjustments. Also, the effort required to train City staff depends on the person and his/her availability. Our fee includes an optimistic estimate of the level of effort required to perform the work with the best information available, and will be subject to change as we evaluate and review the model work that has been completed to date.

COST PROPOSAL

We propose to provide the aforementioned services on an hourly basis at our published hourly rates and 5% mark-up of reimbursable expenses for a fee not to exceed **\$15,800** as detailed on the attached worksheet.

RE: Amendment for Additional Services - Palmer Southwest Utility Extension, Phase II
 June 4, 2010
 Page 8 of 8

Amendment Summary

The cost of the unanticipated effort and additional tasks are summarized below by task:

Task 3 – Surveying, Mapping and Easements	\$ 29,525
Task 7 – Final Design	\$ 42,920
Task 9 – Construction Administration	\$ 62,657
Task 10 – Water System Modeling	\$ 15,800
Amendment Total	\$ 150,902

We appreciate the opportunity to work on this very exciting project and will continue to work towards completion. If you have any questions, you can contact me at 746-5230.

Sincerely,

HATTENBURG DILLEY & LINNELL, LLC



David Lundin, P.E.
 Project Manager/Senior Engineer

Attach: Fee Worksheet date 6-4-10 (4 pages)
 TecPro email (2 pages)

Project: Palmer Southwest Utility System Extension Phase II
 Engineer: Hattenburg Dilley & Linnell
 Scope: Amendment 2
 Date Prepared: 06/04/10

TASK	ACTIVITY	QTY	RATE	LABOR	SUB- CONTRACT	REIMB	ITEM TOTAL	TOTAL
3.0	Surveying, Mapping, and Easements							\$29,525
	<u>MSB Platting Coordination</u>						2,760	
	Survey Manager	16 hrs	@ \$ 130	2,080				
	Survey Technician	8 hrs	@ \$ 85	680				
	<u>Platting Variances</u>						6,420	
	Survey Manager	24 hrs	@ \$ 130	3,120				
	Associate Engineer	4 hrs	@ \$ 145	580				
	Survey Technician	32 hrs	@ \$ 85	2,720				
	<u>Plat Easement Negotiations and Exhibits</u>						6,520	
	Survey Manager	24 hrs	@ \$ 130	3,120				
	Survey Technician	40 hrs	@ \$ 85	3,400				
	<u>Flood Elevation Determination</u>						11,410	
	Survey Manager	16 hrs	@ \$ 130	2,080				
	Principal Geotech Eng.	2 hrs	@ \$ 165	330				
	Staff Hydrologist	32 hrs	@ \$ 95	3,040				
	Survey Technician	32 hrs	@ \$ 85	2,720				
	1-Man Survey Crew	16 hrs	@ \$ 135	2,160				
	Engineering Technician	12 hrs	@ \$ 90	1,080				
	<u>Platting & Variance Fees</u>						2,300	
	Fees	1 ea	@ \$ 2,300			2,300		
	Subtotal Task 3			\$27,110		\$2,300		\$29,410
	5% Markup					\$115		\$115
	TOTAL TASK 3			\$27,110		\$2,415		\$29,525

TASK	ACTIVITY	QTY	RATE	LABOR	SUB- CONTRACT	REIMB	ITEM TOTAL	TOTAL
7.0	Final Design							\$42,920
	<u>Repackage Trunk Road Water Plans and Specs</u>						12,680	
	Associate Engineer	24 hrs	@ \$145	3,480				
	Staff Engineer	40 hrs	@ \$95	3,800				
	Drafting Technician	60 hrs	@ \$90	5,400				
	<u>Additional Booster Station Design</u>						13,000	
	Associate Engineer	8 hrs	@ \$145	1,160				
	Staff Engineer	24 hrs	@ \$95	2,280				
	Drafting Technician	24 hrs	@ \$90	2,160				
	Mechanical (EDC)	1 allow	@ \$5,000		5,000			
	Structural Engineer (DGT)	24 hrs	@ \$100		2,400			
	<u>SCADA Design</u>						8,600	
	Associate Engineer	4 hrs	@ \$145	580				
	Staff Engineer	16 hrs	@ \$95	1,520				
	Controls (TecPro)	1 allow	@ \$6,500		6,500			
	<u>College Water System Specifications</u>						3,060	
	Associate Engineer	8 hrs	@ \$145	1,160				
	Staff Engineer	20 hrs	@ \$95	1,900				
	<u>Additional ADEC Permitting</u>						4,760	
	Associate Engineer	4 hrs	@ \$145	580				
	Staff Engineer	12 hrs	@ \$95	1,140				
	Drafting Technician	6 hrs	@ \$90	540				
	ADEC Permit Fee	1 allow	@ \$2,500			2,500		
	Subtotal Task 7			\$25,700	\$13,900	\$2,500		\$42,100
	5% Markup				\$695	\$125		\$820
	TOTAL TASK 7			\$25,700	\$14,595	\$2,625		\$42,920

TASK	ACTIVITY	QTY	RATE	LABOR	SUB- CONTRACT	REIMB	ITEM TOTAL	TOTAL
9.0	Construction Phase Services.....							\$62,657
	<u>Project Start-up / Review of Submittals & Shop Drawings</u>						\$4,460	
	Project Manager	12 hrs	@ \$145	\$1,740				
	Project Engineer	24 hrs	@ \$90	\$2,160				
	Clerical	8 hrs	@ \$70	\$560				
	<u>Assistance During Construction (6 weeks)</u>						\$26,040	
	Principal-in-Charge	12 hrs	@ \$165	\$1,980				
	Project Manager, 6 hrs/wk	36 hrs	@ \$145	\$5,220				
	Project Engineer, 20 hrs/wk	120 hrs	@ \$90	\$10,800				
	Project Engineer, 4 hrs/wk OT	24 hrs	@ \$135	\$3,240				
	Vehicle (1/2 time)	18 days	@ \$80			\$1,440		
	Clerical, 8 hrs/wk	48 hrs	@ \$70	\$3,360				
	<u>Construction Staking</u>						\$11,680	
	Project Manager	8 hrs	@ \$145	\$1,160				
	Survey Manager	24 hrs	@ \$130	\$3,120				
	2-man Survey Crew	40 hrs	@ \$185	\$7,400				
	<u>Construction Inspection & Quality Assurance Material Testing (allowance)</u>						\$5,600	
	Inspection by request	40 hrs	@ \$90	\$3,600				
	Testing by request	1 allow	@ \$2,000	\$2,000				
	<u>Record Drawings/Closeout</u>						\$14,780	
	Project Manager	24 hrs	@ \$145	\$3,480				
	Project Engineer	40 hrs	@ \$90	\$3,600				
	Drafting	80 hrs	@ \$90	\$7,200				
	Reimbursables	1 L.S.	@ \$500			\$500		
	Subtotal Task 9			\$60,620		\$1,940		\$62,560
	5% Markup					\$97		\$97
	TOTAL TASK 9			\$60,620		\$2,037		\$62,657

TASK	ACTIVITY	QTY	RATE	LABOR	SUB- CONTRACT	REIMB	ITEM TOTAL	TOTAL	
10.0	Water System Modeling								\$15,800
	<u>Water System Map Update</u>							\$2,660	
	Staff Engineer	4 hrs	@ \$95	\$380					
	Designer/Drafter	24 hrs	@ \$95	\$2,280					
	<u>Water Model</u>							\$13,140	
	Proj. Mgr/Associate Eng.	12 hrs	@ \$145	\$1,740					
	Staff Engineer	120 hrs	@ \$95	\$11,400					
	Subtotal Task 10							\$15,800	\$15,800
	5% Markup								
	TOTAL TASK 10							\$15,800	\$15,800

SUMMARY TOTAL THIS FEE ESTIMATE

Summary Subtotal	\$129,230	\$13,900	\$6,740	\$149,870
5% Markup		\$695	\$337	\$1,032
SUMMARY TOTAL	\$129,230	\$14,595	\$7,077	\$150,902

Exhibit A

David Lundin

From: Wesley Saunders [wes@tecpro.com]
Sent: Sunday, May 23, 2010 2:11 PM
To: David Lundin
Subject: TecPro Palmer SCADA
Follow Up Flag: Follow up
Flag Status: Red
Attachments: ATT38548.htm; CWO #1- 801~unexecuted.pdf; ATT38549.htm

Sender **ALLOWED** [[Remove](#)] [[Block](#)] details
Vanquish Anti-Spam Control Panel

David,

Per your request, the scope of work for this site is very much the same =
for us as was the LS3 project we did with the Larson group. It was also =
in conjunction with EDC as is this project with you. We have been =
commissioned as you know by Palmer to provide overall SCADA / Control =
integration utility wide.

Our lot fee is \$6,500.00 which is full bid set SCADA / Control system =
design and shop drawings depicting the owner furnished contractor =
installed components. Unless it has changed we will need to provide a =
line item dollar amount to your bid schedule for the implementation of =
this design.

We were under a master agreement with Larson as a sub-consultant with =
this for a work order - see attachment.

With the engagement with EDC it may be better to supply our service =
through them, however it will not change the way we have been =
coordinating.

Please let me know if you need any additional information.

Thank you,

Wesley Saunders
Tec Pro Solutions <http://tecpro.com>
wes@tecpro.com 907-346-8240 X101

Industrial Electrical and Controls - IP Video Camera & Security =
Solutions - Analytic Video Solutions:Face Capture & Recognition, License =
Plate & Number Recognition, Safe City - Server-less Storage Solutions

On May 13, 2010, at 8:07 AM, David Lundin wrote:

6/5/2010

Exhibit A

- > =20
- > =20
- > Dave Lundin
- > HATTENBURG DILLEY & LINNELL
- > 907-746-5230 office
- > 907-244-7745 cell
- > 907-564-2120 HDL-Anch
- > =20