

**SUPPLEMENTAL AGREEMENT**  
Engineering Services Division

Project Title and Job Number:

Maintenance Connection's Computerized Maintenance Management System Application Software for Plant Services ZK72

Date: 6/13/06

Purchase Order #: 6ZK7105195

Supplemental Agreement No.: 1

The City of Sacramento ("City") and Brown and Caldwell ("Consultant"), as parties to that certain Consultant and Professional Services Agreement designated as Agreement Number 2005-0195, including any and all prior supplemental agreements modifying said agreement (said agreement and supplemental agreements are hereafter collectively referred to as the "Agreement"), hereby supplement and modify the Agreement as follows:

1. The scope of Services specified in Exhibit A of the Agreement is amended as follows:

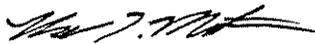
*To Implement Phase 2 of this Project, Consultant shall perform the additional services described in the Scope of Services attached hereto and incorporated herein by this reference.*

2. In consideration of the additional and/or revised services described in Section 1 above, the maximum not-to-exceed amount that is specified in Exhibit B of the Agreement for payment of Consultant's fees and expenses, is increased/decreased by \$268,599, and said maximum not-to-exceed amount is amended as follows:

Agreement's original not-to-exceed amount:	<u>\$215,363</u>
Net change by previous supplemental agreements:	<u>\$0</u>
Not-to-exceed amount prior to this supplemental agreement:	<u>\$215,363</u>
increase/decrease by this supplemental agreement:	<u>\$268,599</u>
New not-to-exceed amount including all supplemental agreements:	<u>\$483,962</u>

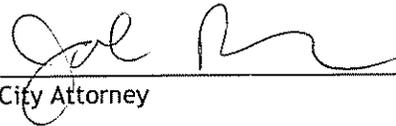
3. Consultant agrees that the amount of increase or decrease in the not-to-exceed amount specified in Section 2 above, shall constitute full compensation for the additional and/or revised services specified in Section 1, above, and shall fully compensate Consultant for any and all direct and indirect costs that may be incurred by Consultant in connection with such additional and/or revised services, including costs associated with any changes and/or delays in work schedules or in the performance of other services or work by Consultant.
4. Consultant warrants and represents that the person or persons executing this supplemental agreement on behalf of Consultant has or have been duly authorized by Consultant to sign this supplemental agreement and bind Consultant to the terms thereof.
5. Except as specifically revised herein, all terms and conditions of the Agreement shall remain in full force and effect, and Consultant shall perform all of the services, duties, obligations, and conditions required under the Agreement, as supplemented and modified by this supplemental agreement.

Approval Recommended by:



Project Manager

Approved as to Form By:



City Attorney

Approved By:



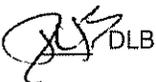
Consultant

Approved By:

Attested to By:

City of Sacramento

City Clerk



**City of Sacramento**  
**Implementation of Maintenance Connection's Computerized**  
**Maintenance Management System (CMMS) Application Software for**  
**Plant Services**

**Scope of Services**

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***Phase 2 – Configuration and System Rollout***

Phase 2 of the project will include the system configuration, production installation, user & administrative training and final roll out of the Maintenance Connection CMMS product and integration process.

***Task 7. Phase II Procurement***

**Objective**

The objective of this task is to complete the purchase of the Maintenance Connection CMMS product and the mobile hardware after successful completion of the pilot study.

**Scope**

1. Complete purchase of Maintenance Connection CMMS product.
2. Purchase seven more mobile hardware units.

**Deliverable**

- Purchased software and hardware still required for project.

**Schedule**

- Duration: June

**Total Cost**

- BC                   \$   6,060.00
- Software: Remaining Maintenance Connection Licensing  
                              \$  69,274.56
- Hardware: Remaining Mobile Device Procurement  
                              \$  28,000.00

***Task 8. Configuration and Integration***

**Objective**

The objectives of this task are to configure and integrate all components.

**Scope**

1. A hosted environment, available to the City, Brown and Caldwell, and Maintenance Connection will be established to facilitate configuration of the CMMS and integration of the SCADA, GIS, and mobile interfaces.
2. As the components are completed they will be tested to ensure that they meet the City's needs for a fully functional system.
3. In addition to establishing the functionality, the core data set will be established by Brown and Caldwell and Maintenance Connection. The asset hierarchy will be established and the appropriate data will be converted from the Carver-

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**Scope of Services**

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Morehead and Training Tracker CMMS systems, by Maintenance Connection and Brown and Caldwell, presently being used by the City.

**Deliverables**

- Integrated CMMS solution
- Revised asset hierarchy
- Validate Historical data loaded into new system

**Schedule**

- Duration: June - August

**Total Cost**

- BC - \$ 91,893
- MC - \$ 8,250
- WA - \$ 7,360

***Task 9. Rollout and Training***

**Objective**

The objectives of this task include testing, rolling out the CMMS to users, and providing training. Brown and Caldwell and Maintenance Connection will ensure that the CMMS application software implementation is complete, operational, and successfully tested.

**Scope**

1. Once the CMMS and other components have been configured, developed, populated with data and tested, they can then be rolled out and installed at the City.
2. User and administrative training will take place prior to and during the roll out so that the City can get maximum use of the system immediately. Training in the use of the integrated system will be provided by the Brown and Caldwell/Maintenance Connection team. The training will be in a classroom setting provided at the City facilities and will include all relevant CMMS modules, the mobile interface, and all GIS, CIS, and SCADA integration capabilities.
3. Once the training has been completed, the system will be placed in production mode so that all users may begin using it. This may be a phased implementation depending upon the needs of the City.
4. When this has been completed and the system is in use, the City will provide final approval and acceptance of the system.

**Deliverables**

- Roll out of CMMS
- Training materials and manuals for courses (hard copy and electronic format, PDF)

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**Plant Services**

**Scope of Services**

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- User and administrative training courses (7, 3-hour training sessions at City facilities)

**Schedule**

- Start September - December

**Total Cost**

- BC - \$ 27,846
- MC - \$ 13,750
- WA - \$ 640

***Task 10. Project Management***

**Objective and Scope**

As described in Task 5.

**Deliverables**

- Project Management Plan
- Bi-weekly project status reports (schedule, budget, progress)
- Bi-weekly project management meeting with the City

**Schedule**

- Duration: June - December

**Total Cost**

- BC - \$ 15,525

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**Implementation of Maintenance Connection's Computerized Maintenance Management System (CMMS)**  
**Application Software for Plant Services**

Scope of Services

**Cost Breakdown**

	Total BC	Total Wendy Alexander	Total Maintenance Connection	Total Labor	MC License	Mobile HW	Total Hardware	Total Cost
<b>Phase I</b>								
Needs Analysis	\$ 66,274	\$ 6,720	\$ 4,400	\$ 77,394				\$ 77,394
Integration Design	\$ 46,420	\$ 5,600	\$ 7,700	\$ 59,720				\$ 59,720
Phase I Procurement	\$ 5,956	\$ -	\$ -	\$ 5,956	22874	4000	\$ 26,874	\$ 32,830
Phase I Project Management	\$ 15,525	\$ -	\$ -	\$ 15,525				\$ 15,525
Pilot Project	\$ 20,134	\$ 960	\$ 8,800	\$ 29,894				\$ 29,894
<b>Phase I Total</b>	<b>\$ 154,309</b>	<b>\$ 13,280</b>	<b>\$ 20,900</b>	<b>\$ 188,489</b>	<b>\$ 22,874</b>	<b>\$ 4,000</b>	<b>\$ 26,874</b>	<b>\$ 215,363</b>
<b>Phase II</b>								
Configuration and Integration	\$ 91,893	\$ 7,360	\$ 8,250	\$ 107,503				\$ 107,503
Final Deployment	\$ 27,846	\$ 640	\$ 13,750	\$ 42,236				\$ 42,236
Phase II Project Management	\$ 15,525	\$ -	\$ -	\$ 15,525				\$ 15,525
Phase II Procurement	\$ 6,060	\$ -	\$ -	\$ 6,060	69274.56	28000	\$ 97,275	\$ 103,335
<b>Phase II Total</b>	<b>\$ 141,324</b>	<b>\$ 8,000</b>	<b>\$ 22,000</b>	<b>\$ 171,324</b>	<b>\$ 69,275</b>	<b>\$ 28,000</b>	<b>\$ 97,275</b>	<b>\$ 268,599</b>
<b>Project Total</b>	<b>\$ 295,633</b>	<b>\$ 21,280</b>	<b>\$ 42,900</b>	<b>\$ 359,813</b>	<b>\$ 92,149</b>	<b>\$ 32,000</b>	<b>\$ 124,149</b>	<b>\$ 483,962</b>