



**CITY OF LODI
COUNCIL COMMUNICATION**

AGENDA TITLE: Adopt Resolution Authorizing City Manager to Execute Contract Change Order No. 1 to the Professional Services Agreement with Itron, of Liberty Lake, WA, for Fixed Network Systems (\$53,700) and Appropriating Funds (\$85,000)

MEETING DATE: December 19, 2012

PREPARED BY: Public Works Director

RECOMMENDED ACTION: Adopt resolution authorizing City Manager to execute Contract Change Order No. 1 to the professional services agreement with Itron, of Liberty Lake, WA, for fixed network systems, in the amount of \$53,700, and appropriating funds in the amount of \$85,000.

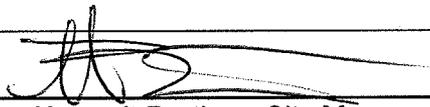
BACKGROUND INFORMATION: The Electric Utility and Public Works departments have initiated automatic meter reading (AMR) projects with the installation of meters equipped with encoder receiver transmitters (ERT). To fully receive the benefits of an AMR system, City Council approved the installation of a fixed network system that would read the meters via a network of receivers placed around the community.

On August 15, 2012, City Council approved the contract with RuggedCom to conduct a radio backhaul design study for the transmission of data from the receivers to the City's customer information system. Preliminary design recommendations are to install radio receivers on the elevated water tank and on an 80-foot tall tower in the western residential area of the City. The cost of these installations, uncertainty of performance, and the technical expertise required to operate and maintain the radio backhaul system has resulted in a change in the backhaul network design.

The recommended backhaul network design would consist of six cell control units (CCU) installed at Fire Stations 3 and 4; Police Station; and Henning, Industrial and McLane substations. The CCU's would transfer data via a direct connection to the City's existing fiber optic facilities at these locations. A seventh CCU would be installed on Douglas Fir Drive. Data from this CCU will be transmitted via wireless phone data link. Two additional receiver units would be installed on Evergreen Drive and Iris Drive. Electric Utility staff will move the existing facilities and install the new facilities.

Moving the existing installed facilities and adding new facilities requires additional services from Itron in the form of project management, field engineering services, and technical consultant programming. For the past several months, as we have attempted to make the radio backhaul function, Itron has provided significant project management, field engineering and technical consulting services at no charge to the City, probably equal to or greater than the requested change order.

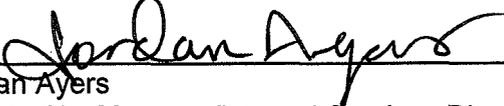
Staff recommends approval of Contract Change Order No. 1 (Exhibit A) to the Itron professional services agreement in the amount of \$53,700 and appropriating funds in the amount of \$85,000 to cover the cost of staff time and the additional CCU's and repeaters.

APPROVED: 
 Konradt Bartlam, City Manager

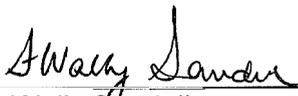
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Page 2

FISCAL IMPACT: Optimizing the operation of the radio backhaul will result in lower costs for field mitigation associated with poor reads from the radio equipment.

FUNDING AVAILABLE: Requested Appropriation:
Electric Utility Fund (16100): \$42,500
Water Utility Fund (181013): \$42,500



Jordan Ayers
Deputy City Manager/Internal Services Director



F. Wally Sandelin
Public Works Director

FWS/pmf
Attachment
cc: Electric Utility Director



Change Order Form

	Name	Date
Client Name:	City of Lodi	11/13/2012
Requestor:	Joe Kelly	
Client Authorization:	Wally Sandelin	
Itron Rep. Authorization:		
Contract Admin. Auth.:		

Send Pricing Summary to Client? Yes

Has contract been signed? Yes

General Comments:

The purpose of this Change Order is to document the costs associated with redesigned backhaul network requested by the City of Lodi. The new design will incorporate city owned fiber take-out points and GPRS collectors for backhaul services for Choice Connect Solution.

Order Processing:

PO/Contract #: _____

Comments: _____

Hardware Changes:

Qty	Item Description	Unit Price
1	CCU100 – GPRS(Verizon)	
1	CCU100 - Ethemet	
2	RPT100 Repeaters	

Qty	Item Description	Unit Price

Comments: National Meter to provide a quote for the above mentioned equipment.

Software Changes:

X Modifications Meter Licenses Other

Description	Unit Price

Implementation Labor and Expense:

X Billable Charge to: City of Lodi

Purpose	Description	@ \$	Total	
Project Management	Labor	80 Hours	\$225.00	\$18,000.00
PM Travel expenses (Approx.)				\$3,600.00
Field Engineer	Labor	80 Hours	\$190.00	\$15,200.00
FE Travel Expenses(Approx.)				\$3,600.00
Technical Consultant	Labor	60 Hours	\$190.00	\$11,400.00
Systems Engineer (Prop study)	Labor	40 Hours	\$190.00	\$7,600.00
Totals		260		\$59,400.00

Other :
Optional - Itron to provide optional FE support for network mitigation activities. Continued after the first two weeks will be billed at actual and as incurred.
Itron to support 2.5 to 3 month project effort to migrate network from Rugged Comm to Fiber/Verizon GPRS
Itron to support Lodi with Verizon VPN to confirm communications between CCUs and the Fixed Network Servers
Itron to support ICS preparation and training for Verizon CCUs
Itron to support field installation activities over two calendar weeks with one onsite field engineer to provide

Other :
support to the City of Lodi

Change Order: Joe Kelly

Please return this signed Change Order to:

Itron, Inc.

2111 N. Molter Rd.

Liberty Lake, WA 99019

Attn: Contract Administration

Fax: (509) 891-3331 or pdf and email to contract.request@itron.com. – a fully executed version will be returned.

1. AA# _____
 2. JV# _____

**CITY OF LODI
 APPROPRIATION ADJUSTMENT REQUEST**

TO:	Internal Services Dept. - Budget Division		
3. FROM:	Rebecca Areida-Yadav	5. DATE:	12/06/2012
4. DEPARTMENT/DIVISION:	Public Works		

6. REQUEST ADJUSTMENT OF APPROPRIATION AS LISTED BELOW

	FUND #	BUS. UNIT #	ACCOUNT #	ACCOUNT TITLE	AMOUNT
A. SOURCE OF FINANCING	161		3205	Fund Balance	\$ 42,500.00
	181		3205	Fund Balance	\$ 42,500.00
B. USE OF FINANCING	161	161000	1825.1700	Fixed Network System	\$ 42,500.00
	181	181013	1825.2300	Fixed Network System	\$ 42,500.00

7. REQUEST IS MADE TO FUND THE FOLLOWING PROJECT NOT INCLUDED IN THE CURRENT BUDGET

Please provide a description of the project, the total cost of the project, as well as justification for the requested adjustment. If you need more space, use an additional sheet and attach to this form.

Change order No. 1 with Itron for fixed network systems and appropriation for staff time on the project.

If Council has authorized the appropriation adjustment, complete the following:

Meeting Date: _____ Res No: _____ Attach copy of resolution to this form.

Department Head Signature: Wally Sanchez

8. APPROVAL SIGNATURES

Deputy City Manager/Internal Services Manager	Date
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Submit completed form to the Budget Division with any required documentation.
 Final approval will be provided in electronic copy format.

RESOLUTION NO. 2012-196

A RESOLUTION OF THE LODI CITY COUNCIL AUTHORIZING
CITY MANAGER TO EXECUTE CONTRACT CHANGE ORDER
NO. 1 TO THE PROFESSIONAL SERVICES AGREEMENT
WITH ITRON FOR FIXED NETWORK SYSTEMS AND
FURTHER APPROPRIATING FUNDS

WHEREAS, the Electric Utility and Public Works departments have initiated automatic meter reading (AMR) projects with the installation of meters equipped with encoder receiver transmitters (ERT). To fully receive the benefits of an AMR system, City Council approved the installation of a fixed network system that would read the meters via a network of receivers placed around the community; and

WHEREAS, on August 15, 2012, City Council approved the contract with RuggedCom to conduct a radio backhaul design study for the transmission of data from the receivers to the City's customer information system. The cost of radio receiver installations, uncertainty of performance, and the technical expertise required to operate and maintain the radio backhaul system has resulted in a change in the backhaul network design; and

WHEREAS, moving the existing installed facilities and adding new facilities requires additional services from Itron in the form of project management, field engineering services, and technical consultant programming.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby authorize the City Manager to execute Contract Change Order No. 1 to the Professional Services Agreement with Itron, of Liberty Lake, WA, for fixed network systems, in the amount of \$53,700; and

BE IT FURTHER RESOLVED that funds in the amount of \$85,000 be appropriated for the project from Electric Utility and Water Utility funds.

Dated: December 19, 2012

I hereby certify that Resolution No. 2012-196 was passed and adopted by the City Council of the City of Lodi in a regular meeting held December 19, 2012, by the following vote:

- AYES: COUNCIL MEMBERS – Hansen, Johnson, Katakian, Mounce, and Mayor Nakanishi
- NOES: COUNCIL MEMBERS – None
- ABSENT: COUNCIL MEMBERS – None
- ABSTAIN: COUNCIL MEMBERS – None



RANDI JOHL
City Clerk