MEETING DATE: 10/09/06

AGENDA ITEM: Consideration to Approve a Change Order to the Contract with Utility Systems Science and Software for the Sewer Emergency Notification System

ATTACHMENTS

		Pages
1	Proposed change order from US Cubed	1-18
2	Change Order No. 2 form	19

UTILITY SYSTEMS, SCIENCE AND SOFTWARE

Utility Systems Science and Software

2101 E. 4th Street, Suite 130A
Santa Ana, CA. 92705
Phone (714) 542-1004 Fax: (714) 542-1332

Dan Garcia
9770 Culver Boulevard
Culver City, CA 90232-0507

Tuesday, August 15, 2006
Phone (310) 253-5604

Subject:
1. FloDar Meter Install with maintenance for the duration of current contract @ Blackwelder
2. FloDar Meter Install @ Mesmer
3. Jackson – StreetSmart Conversion
4. CDMA Datacenter transition
5. Repair – of datacenter during Server Control Room AC Fail and Flood
6. Fiber Conversion for the operation Building ENS System
7. Alarming – SMS Alarming All meter sites
8. Reporting Additions and modifications
9. Pump Station Operational Inspections
10. Ongoing ENS Maintenance

Dear **Daniel**,

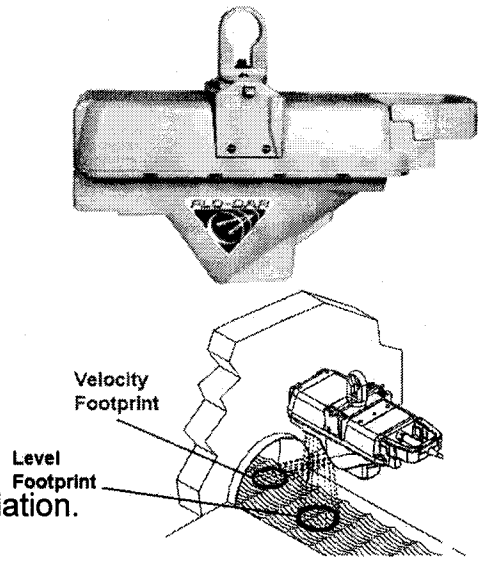
Per our meeting July 12th 2006 US3 is glad to respond to your request for material pricing and services for this project. With in this Document you will find the Material Proposal as well as services. I have included materials on the Items used with in this proposal.

Index

Flow Meter Qualifications

Flo-Dar Models 464Radar-Based Velocity/Area Flowmeter

The Flo-Dar Open Channel Flowmeters provide a revolutionary approach to open channel flow monitoring. Combining digital Doppler radar velocity sensing with ultrasonic pulse echo level sensing Flo-Dar provides accurate open channel flow monitoring without the fouling problems associated with submerged sensors.



Perfect solution for Difficult Flow Conditions:

- Flows with High Solids Content
- High Temperature Flows
- Caustic Flows
- Large Man-Made Channels
- High Velocities
- Shallow Flows

Benefits

- Personnel have no contact with the flow during installation.
- Maintenance caused by sensor fouling is eliminated
- Field Replaceable/Interchangeable Sensors and Monitors

Here's How It Works

Flo-Dar transmits a digital Doppler radar beam that interacts with the fluid and reflects back signals at a different frequency than that which was transmitted. These reflected signals are compared with the transmitted frequency. The resulting frequency shift provides an accurate measure of the velocity and the direction of the flow. Level is detected by ultrasonic pulse echo. Flow is then calculated based on the Continuity Equation:

Q = V x A, Where Q = Flow, V = Average Velocity and A = Area.

Accurate Flow Measurements

Flo-Dar provides the user with highly accurate flow measurements under a wide range of flows and site conditions.

- **By measuring the velocity of the fluid from above, Flo-Dar eliminates accuracy problems inherent with submerged sensors including sensor disturbances, high solids content and distribution of reflectors.**

Flow Meter Specifications

Data Logger

- Data Storage 64K (16K cycles of velocity/level data)
- Local Terminal RS232C at 19.2K baud
- 4-20 mA Outputs (3) fully programmable, isolated outputs capable of sinking 650 ohm each.
- Power Requirements +12 VDC @ 220 mA with all three 4-20 mA outputs @ 20 mA
- Housing Material: Polystyrene (IP66)
  Dimensions: 9" W x 7" H x 4" D (229 mm W x 178 mm H x 102 mm D)
- Temperature Operating Range 14° F to 122° F (-10° C to 50° C)
- Storage Range -4° F to 122° F (-20° C to 50° C)
- Data Retrieval through Flo-Ware for Windows software (sold separately) is the user on-site data management and report generation software for the Model 464. It is compatible with computers (desktop and portable) utilizing Windows 95/98/2000/Me/NT/XP. Flo-Ware for Windows software can retrieve data from both Flo-Tote and Flo-Dar Models 460 and 464.

Flo-Dar Sensor Specification for Model 464

- Enclosure Material: Polystyrene
- Dimensions: 6.9" W x 16.65" L x 11.7" D (17.5 cm x 42.3 cm x 29.7 cm) Weight: 10.5 lbs (4.8kg)
- **Temperature Operating Range: 14° F to 122° F (-10° C to 50° C)**
- Storage Range: -40° F to 140° F (-40° C to 60° C)
- Sensor Cable Material: Polyurethane jacketed Standard Length: 30' (9.14m), maximum 1000' (304.8 m) Disconnect able at both sensor and monitor
- Velocity Measurement Method: Radar Range: 0.75 to 20 ft/s (0.23 m/s to 6.10 m/s) Accuracy: ±0.5%; ±0.1 ft/s (±0.03 m/s)
- Level Measurement Method: Ultrasonic Operating Range: 0.25 to 60 in. (0.634 to 152.4 cm)
- Temperature Compensated Accuracy: ±0.25 in. (±0.64 cm) 1% Accuracy
- Surcharge Level Measurement - Method: Piezo-resistive pressure transducer
  Maximum Range: 138 inches (3.5 meters)
- Flow Measurement - Based on Continuity Equation. Accuracy: ±5.0% of reading typical where flow is in a channel with uniform flow conditions and is not surcharged.

Certification

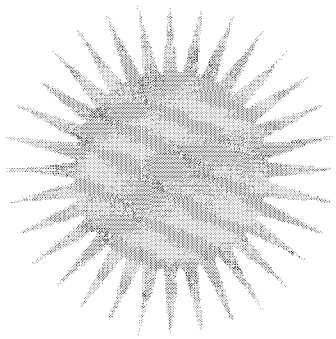
FCC Rules Part 15; Industry Canada RS 210 (No user license required.)

February 5, 2001

Flo-Dar Certified Intrinsically Safe

The revolutionary Flo-Dar family of products are now available with intrinsic safety certification for the US, Canada, and Europe.

UTILITY SYSTEMS, SCIENCE AND SOFTWARE



STREETSMART ENERGY SYSTEM

MANHOLE COVER ANTENNA

DOT H-20, HS-20
EN124:1994 load rating

Manhole Antenna Specification
VSWR at resonant point: 1.5:1 or less
Nominal Impedance: 50 Ohms
Gain: 3dBi
Radiation Pattern: Omnidirectional
Polarization: Vertical
Maximum Power Input: 50 Watts, typical

Communicate from the manhole via Cellular, VHF, UHF or Trunk

Avoid vandalism on above ground units

Maintain neighborhood beautification

Stores communications, instrumentation, battery packs. Solar option available

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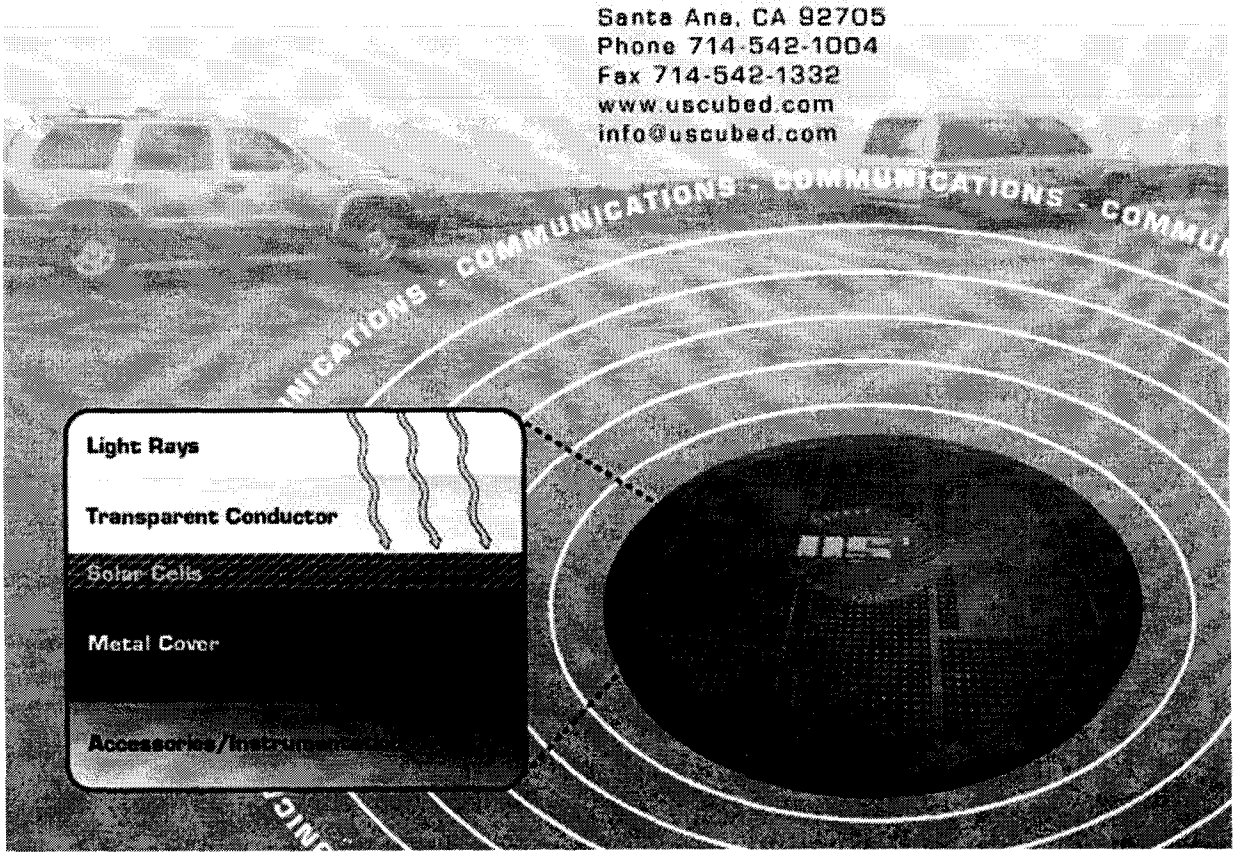
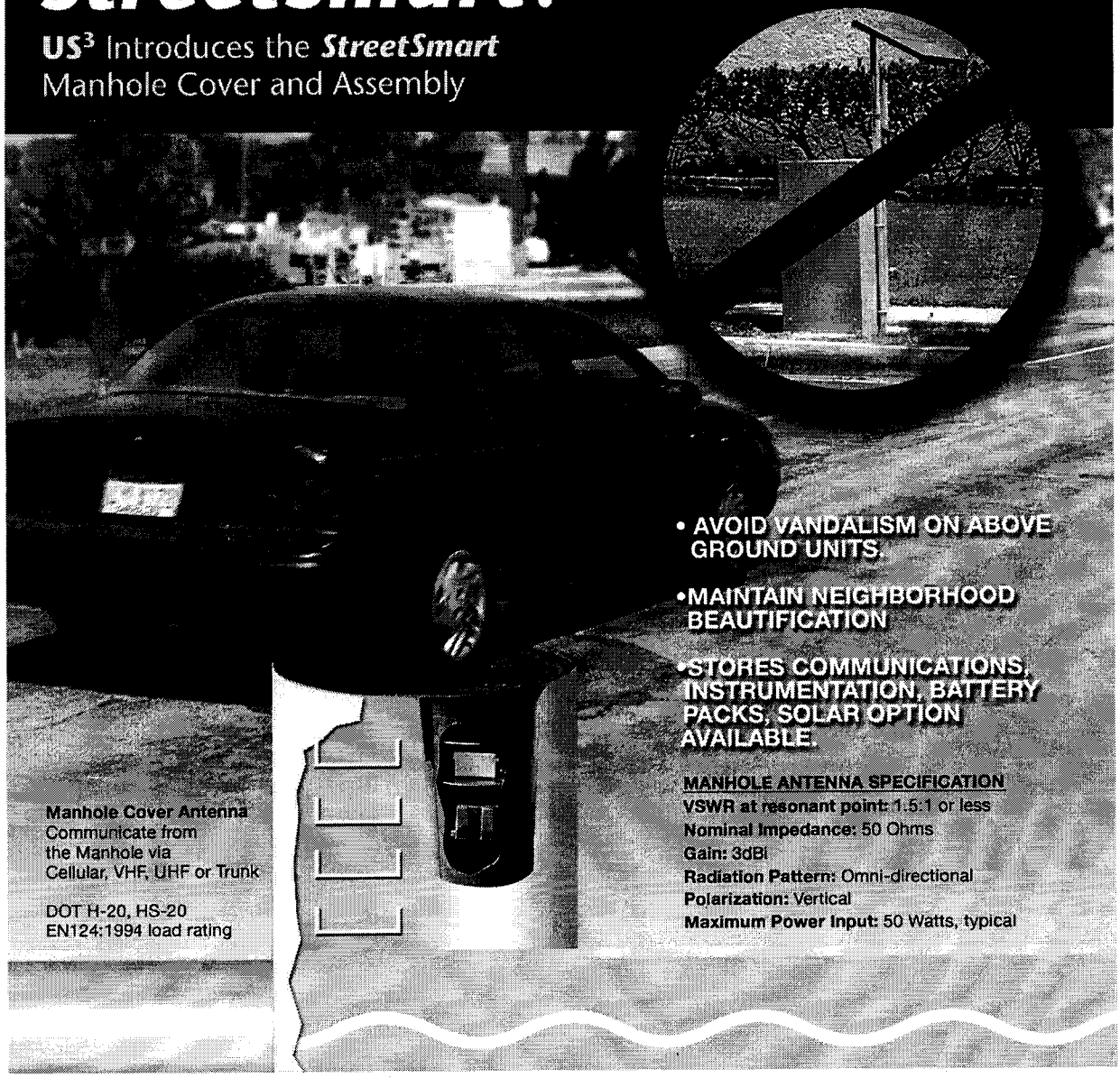


Is Your Community *StreetSmart*?

US³ Introduces the ***StreetSmart*** Manhole Cover and Assembly



- AVOID VANDALISM ON ABOVE GROUND UNITS.
- MAINTAIN NEIGHBORHOOD BEAUTIFICATION
- STORES COMMUNICATIONS, INSTRUMENTATION, BATTERY PACKS, SOLAR OPTION AVAILABLE.

Manhole Cover Antenna
Communicate from the Manhole via Cellular, VHF, UHF or Trunk

DOT H-20, HS-20
EN124:1994 load rating

MANHOLE ANTENNA SPECIFICATION
VSWR at resonant point: 1.5:1 or less
Nominal Impedance: 50 Ohms
Gain: 3dBi
Radiation Pattern: Omni-directional
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Maximum Power Input: 50 Watts, typical

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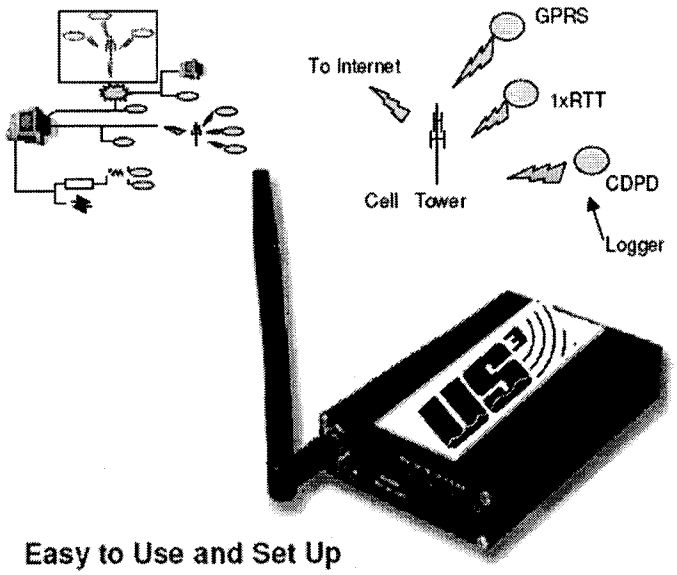
US³



CDMA wireless is a reliable, cost-effective, self-contained solution for remote meter reading and data communications applications. This rugged wireless data modem has long been the choice of companies and utilities looking to solve their wireless data needs. CDMA wireless is incredibly versatile and supports CDMA dual mode – both circuit switched and 1xRTT packet-switched services – as well as SMS and analog data transmissions. A GPS-enabled model is also available.

Easy to Use and Set Up

CDMA wireless has been designed with the end user in mind. A simple-to use configuration menu makes it easy to program the unit both locally and remotely – eliminating the need to travel hundreds of miles to a remote device. Seamless 1xRTT CDMA packet data sending and receiving is provided by the built-in TCP/IP stack. The unit is also smart enough to act like a PLC, providing 6 inputs and 6 outputs.

Self-contained Solution for Remote Meter Reading and Data Communications

Distinctive Features

- Complete network approvals (approved by all major carriers)
- Acts like a PLC with 6 inputs/outputs controlled via DRIP
- Easy trouble-shooting via configuration menu
- 4 sleep windows for power-saving in solar applications
- Internal signal-strength meter
- Switches from CDMA to analog mode automatically (requires optional analog modem)
- FCC and Canada certified RF
- Easy set up includes customer support
- Customer support provided by wireless data experts

Typical Applications

Automatic Meter Reading (AMR), Remote Point of Sale (POS), Wireless Telemetry, SCADA, Video Monitoring, Traffic Sensor Monitoring, Alarm & Equipment Monitoring, Automatic Teller Machines (ATM), Short Message Service (SMS), Automatic Vehicle Location (AVL)

Standard Features

- Packet-switched data (1xRTT CDMA)
- Circuit-switched data (IS-95)
- SMS via AT-Commands over CDMA
- Dynamic IP management
- TCP/IP stack
- PPP/TCP/UDP/MIP/DMU/PAD
- Remote updates to PRL
- Simple modem configuration – remotely or locally
- 3 input triggers for cry-out alarms via SMS
- Optional analog modem (300bps to 33.6bps)
- Optional RS-485 for multi-drop applications

General Specifications

Standards:	Packet-switched data (CDMA 1xRTT), Short Message Service (SMS), circuit-switched data (IS-95), analog data
Power Requirements:	10-48VDC @ 1.2A (unregulated)
On-Board Backup:	3.6V 200MA (CR2032) Lithium Cell
Serial I/O:	RS-232 Async (optional terminal block for RS-232)
Control I/O:	12 pos. IDC header, 6 inputs/6 outputs (send cry-out alarms via SMS to your cell phone)
Command Protocol:	AT command set and DataRemote, Inc (DRiP) configuration menu
LED Indicators:	Power ON, Signal Status, TXD, RXD, DCD, DTR, AUX
CDMA Modem:	MSM-5105 (1xRTT; IS-95A/B - MDR verified)
Optional:	AMPS modem (Conexant chipset 300bps to 33.6bps)
Vocorder:	8 Kbps CELP, 13 Kbps QCELP, 8 Kbps EVRC

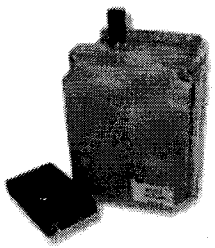
RF Specifications	800 MHz	1900 MHz (CDMA)
Interface Standards:	AMPS: ANSI/TIA/EAI-553 CDMA: TIA/EIA, IS-95A/B	J-STD-008
Operating Frequencies:	TX: 824-849 MHz RX: 869-894 MHz	TX: 1850-1910 MHz RX: 1930-1990 MHz
RF Power:	AMPS: 600mW (EIRP Nom.) CDMA: 600mW (EIRP Nom.)	400mW (EIRP Nom.)
Maximum TX Power:	AMPS: +26.7dBm Min. CDMA: +23dBm Min.	+23dBm Min.
Receiver Sensitivity:	AMPS: >116dBm @ 12dB Sinad CDMA: >-104dBm @ 0.5% FER	>104 dBm @ .05% FER
Frequency Stability:	< ± 2.5 PPM	< ± 2.5 PPM
Antenna Interface:	50 ohm, TNC	50 ohm, TNC
Current:	Normal current draw = 53ma in Idle Mode (can vary from network to network)	

Physical Specifications

Size:	6.3"L X 4"W X 1.2" H
Weight:	23.0 Oz.

Environmental Specifications

Temperature:	Operating: -30 C to +60 C (-22° to 140°)
Storage:	-40 C to +70 C (-40° to 146°)
Humidity:	0-95% (non-condensing) 95° F (35° C)



Optional NEMA-4x Enclosure for Harsh Conditions

www.uscubed.com

1. FloDar Meter Install with maintenance for the duration of current contract @ Blackwelder

Install Meter with StreetSmart Solutions and communications plus support for the duration of current Metering Contract.

Item	QTY	Description		Extended
		Meter Install		
1	1	Preliminary Engineering		$ 3,000.00
2	1	Install		$ 2,040.00
4	1	Bracket		$ 175.00
5	1	MISC Parts and Traffic Equipment		$ 200.00
6	1	StreetSmart Enclosure / Lid		$ 675.00
7	1	StreetSmart Battery		$ 400.00
8	1	StreetSmart Assembly		$ 1,000.00
9	1	StreetSmart Comm		$ 1,800.00
10	1	Flodar Sensor		$ 5,650.00
11	1	Flodar Logger With US3 Modifications		$ 4,500.00
12	1	2 years Maintenance		$ 6,000.00
13	1	Comm 2 Years		$ 768.00
			Total	$26,208.00

2. FloDar Meter Install @ Mesmer

Install FloDar Sensor at the Mesmer Station outside of Station Utilizing the StreetSmart Solutions.

Item	QTY	Description		Extended
		Meter Install		
1	1	Install		$ 2,040.00
2	1	Bracket		$ 175.00
4	1	StreetSmart Enclosure / Lid		$ 675.00
5	1	StreetSmart Battery		$ 400.00
6	1	StreetSmart Assmebly		$ 1,000.00
7	1	StreetSmart Comm		$ 1,800.00
8	1	Flodar Sensor		$ 5,650.00
9	1	Flodar Logger With US3 Modifications		$ 4,500.00
			Total	$16,240.00

3. Jackson – StreetSmart Conversion

In order to complete an existing installation for Culver City without trenching US3 is recommending the StreetSmart Solutions and will convert an existing installation into a StreetSmart Installation.

Item	QTY	Description		Extended
		Meter Install		
1	1	StreetSmart Enclosure / Lid		$ 675.00
2	1	StreetSmart Battery		$ 400.00
3	1	StreetSmart Assmebly		$ 1,000.00
4	1	StreetSmart Comm		$ 1,800.00
			Total	$3,875.00

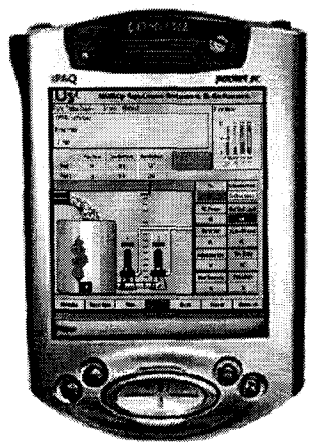
4. CDMA Datacenter transition

Install, Monitor and Usage cost involved with Telemetry and Phones per year

SkyMonitor by USCubed provides the user with Supervisory Control and Data Acquisition (SCADA) information for the entire system, in a wireless environment. The information may or may not necessarily be related to the SCADA system. SkyMonitor has the capability to send information (setpoints, control commands, etc) to any device on the system. In addition, SkyMonitor will provide all normal computer functions (email, word, reports, etc), among other features that *UCubed* already provides at the Master Station.

Data for Field Maintenance Personnel

Field personnel are able to be quickly and automatically be updated with acquired information from the RTU and/or the Central Computer, allowing personnel instant access to system wide information and control capability.



SkyMonitor includes:

- Unlimited access to your SCADA System,
- No roaming charges,
- Highest level of security (128 bit data encryption)
- UCubed Application Software and system access drivers
- Up to 5 simultaneous users (System is provided with ten SkyMonitor Units and extensive training.

At the heart of SkyMonitor is a unique, event-driven kernel that provides real-time, information readily available throughout the organizations facility and/or domain.

The following table shows some of the benefits organizations will realize from the features SkyMonitor system provides.

Feature	Benefit
Direct interface with TCP/IP, MODBUS, DB/2 (SQL), ASCII, etc. among dozens of file formats on multiple communication platforms.	High-speed infrastructure allows organizations to transmit and receive specific information in a timely fashion.
RF infrastructure in place today in most cities, counties in North and South America	Information can be acquired today, over the air.
Flexible host capabilities	Supports advanced data applications
Easy expandability	Allows organizations to expand the system easily and economically

Table 1. System Features and Benefits. ***Using the most advanced technology available, the SkyMonitor system will position organizations for future system expansion and transition to using technologies of the future.***

Database Inquiry

The database is easily accessed through the SkyMonitor wireless data communications system. Information can be obtained in a fraction of the time it takes to verbally request the information from a dispatcher (say over a radio). Dispatchers are freed from this time-consuming task.

High Data Throughput

The SkyMonitor wireless data communications system architecture includes new infrastructure products with the highest message throughput available. The advanced protocol delivers an over-the-air data rate with a unique error correction capability that maximizes the amount of information transmitted across cell channels.

Connectivity

The SkyMonitor wireless data communications system offers host connectivity options based on TCP/IP and other industry standard protocols. With a single physical Ethernet connection, up to twenty independent TCP/IP host sessions are supported.

Versatility

The SkyMonitor wireless data communications system can be expanded as the needs of the organizations change. In this case, the SkyMonitor system can be integrated with VHF, UHF, 800 Trunk, 900 Trunk, 900 MAS, 900 Spread-Spectrum and Satellite, simultaneously.

Reliability

Like all USCubed products, the wireless data communications system products are designed and built to highest-quality standards. When a problem does occur, system alarms and diagnostics are available to help isolate problems. Modular design, based on field replacement units allow easy servicing so operation can be quickly restored.

Information Over the Internet/Intranet

Instant Access to Information

SkyMonitor takes advantage of open Internet technology to manage and intelligently distribute information and applications, providing instantaneous access to real-time utility data. This data can be easily integrated with other organizations information ,such as inventory, production schedules, orders' status, analysis, human resources and so on. This way, users can view different information through one common interface.

Available on All Platforms

Users can access online information with any standard browser- including Netscape Navigator and Microsoft's Explorer - no additional software is required. And because the Java-enabled browsers are readily available on all popular platforms, including Windows, Macintosh and UNIX, users can access SkyMonitor from their favorite operating system, preserving their existing investments in software and hardware.

Easy-to-Learn, Use and Maintain

SkyMonitor can be easily used by operators, managers and engineers who access the Internet in their daily work. This familiarity saves the valuable time and money required for training. Further, with SkyMonitor, users don't have to worry about upgrading software or backing up files. Because all data and software are managed on the SkyMonitor server, users can focus on productivity rather than on maintenance issues.

Secure Data

SkyMonitor takes full advantage of the tight security features provided by the Web server, enabling control on the user access according to IP address or selected Web pages. In addition, SkyMonitor offers security features for controlling the contents of each page according to users' authorization.

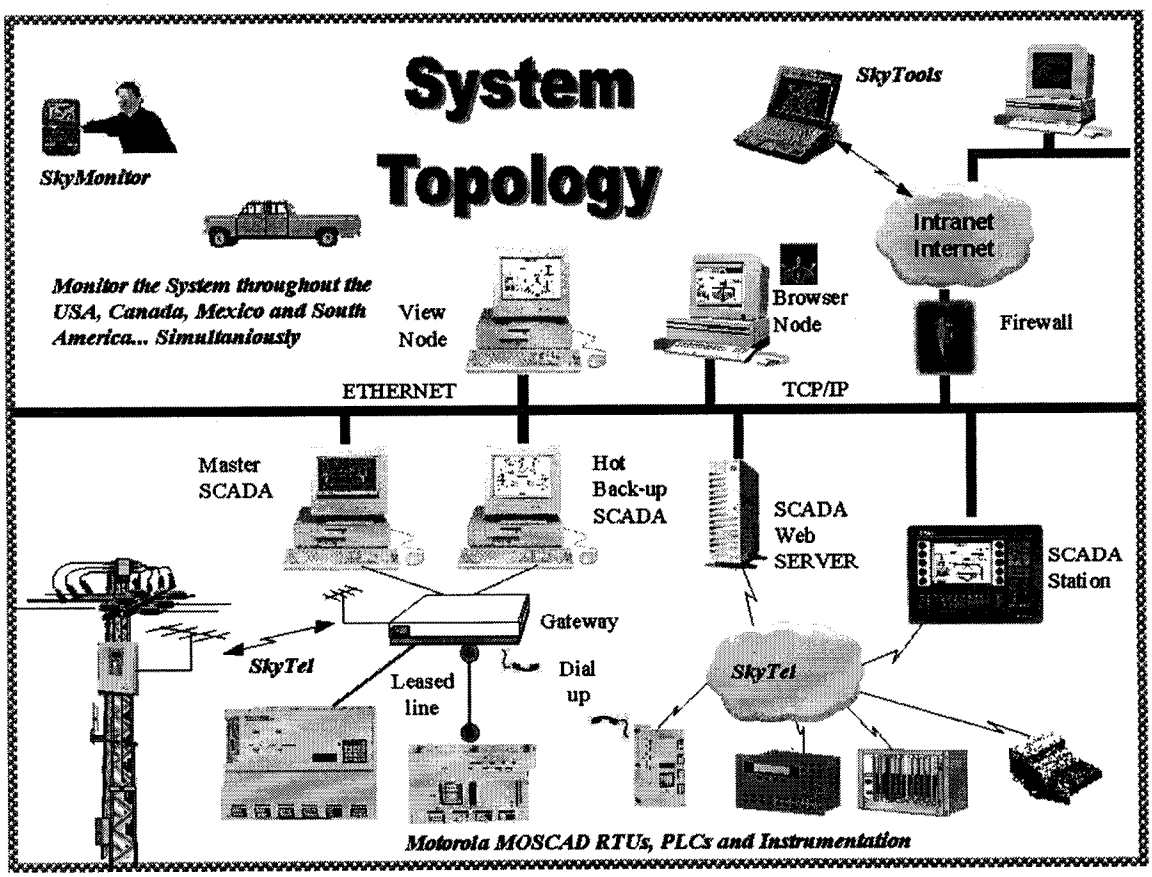


Figure 1: SkyMonitor can be mixed with Local Area Networks, Wireline and other Radio Based Solutions.

Item	QTY	Description	Extended
		Meter Install	
1	10	Phones @ $80 Per Month Unlimited usage Access with Verizon	$ 800.00
2	16	Street Smart Telemetry @ $32 Limited Data Coverage	$ 512.00
		Monthly Contract Coverage Cost	$ 1312.00
		Yearly Contract Coverage Cost	$ 15,744.00

5. Repair of datacenter during Server Control Room AC Fail and Flood and other support costs

Repair – of datacenter during Server Control Room AC Fail and Flood

Trouble Shoot and test 2/27/2004 Server Failure Due to AC Fail	Hours	Rate	Cost
Onsite Effort	8	125	1000
Travel Time	1	45	45
Trouble Shoot and test 3/2/2004 Due to Computer room Flood	Hours	Rate	Cost
Onsite Effort	4	125	500
Travel Time	1	45	45
Server Checks once a week from March 2004 Approximately 05 hours per week X 24 Weeks	Hours	Rate	Cost
Off Site Support	12	85	1020
Travel Time	0	45	0
Canopy Issues - Trouble shot to a Culver network had a diabled port	Hours	Rate	Cost
Onsite Effort	5	125	625
Off Site Support	2	85	170
Travel Time	1	45	45
Operations ENS PC Not working. Found the Canopy Port to the PC unplugged. Called Carlos Vega in IT to Correct the issue.	Hours	Rate	Cost
Onsite Effort	3	125	375
Travel Time	1	45	45
Mesmer PLC Check for Pump Fail	Hours	Rate	Cost
Off Site Support	2	85	170
Travel Time	1	45	45
Lenawee Lightning Damage to Dataloger Feb 2004			1600
		Total	**$ 5,685.00**

6. Fiber Conversion for the operation Building ENS System

Removing Canopy Network and connecting ENS Network to a more efficient Fiber Network.

Fiber Conversion	Hours	Rate	Cost
Onsite IT Effort	8	125	$ 1,000.00
Off Site ENS Support Effort	4	125	$ 500.00
Misc Parts			$ 235.00
		Total	$ 1,735.00

7. Alarming – SMS Alarming All meter sites to monitor SSO (Sanitary Sewer Overflow)

Wire and configure all meter sites for SMS Alarming for High Depth Surcharge warning. This message will be sent to up to 2 operator's pager and one email. Once received as Email data can be propagated to as many individuals as an Email and Text Message as needed.

	SSO Monitoring	Hours	Rate	Cost
Culver	Onsite Install Effort	4	125	$ 500.00
	Parts and Cable			$ 180.00
Syds	Onsite Install Effort	4	125	$ 500.00
	Parts and Cable			$ 180.00
Short	Onsite Install Effort	4	125	$ 500.00
	Parts and Cable			$ 180.00
Dequ	Onsite Install Effort	4	125	$ 500.00
	Parts and Cable			$ 180.00
Delrey	Onsite Install Effort	4	125	$ 500.00
	Parts and Cable			$ 180.00
Green	Onsite Install Effort	4	125	$ 500.00
	Parts and Cable			$ 180.00
Slau	Onsite Install Effort	4	125	$ 500.00
	Parts and Cable			$ 180.00
Lena	Onsite Install Effort	4	125	$ 500.00
	Parts and Cable			$ 180.00
Jack	Onsite Install Effort	4	125	$ 500.00
	Parts and Cable			$ 180.00
	Systems Configuration Costs	16	125	$ 2,000.00
			Total	$ 8,440.00

8. Reporting Additions and modifications

Ongoing Report Support for LA and others. This is an allotment of hours to help support the most efficient reporting for a changing environment.

Reporting Support	Hours	Rate	Cost
Onsite Effort	16	125	$ 2,000.00
Off Site Reporting Support Effort	24	125	$ 3,000.00
		Total	$ 5,000.00

9. Pump Station Operational Inspections

This is in response to a Station Failure at Braddock. The ENS System was tested in 2002 from that time until now the devices in the field have not been checked for operation. US3 will check all Alarm Inputs for operation. US3 will provide a detailed list of failed components and suggested course of action.

This type of detailed testing should be done once a year if not more to ensure operation of control devices in the field.

Reporting Support	Hours	Rate	Cost
Onsite Effort	80	85	$ 6,800.00
Parts will be Itemized as Found - Possible Component Costs			$ 30,000.00
Repair Costs	80	85	$ 6,800.00
		Total	$ 43,600.00

10. ENS Ongoing Maintenance

Ongoing Report Support for the ENS System. This is an allotment of hours to help support the most efficient reporting for a changing environment.

Reporting Support	Hours	Rate	Cost
8 hours a Month --------- for 12 Months Support Effort	96	125	$ 12,000.00
		Total	$ 12,000.00

Project Total

Item	Description		Extended
1	FloDar Meter Install with maintenance for the duration of current contract @ Blackwelder		**$26,208.00**
2	FloDar Meter Install @ Mesmer		**$16,240.00**
3	Jackson – StreetSmart Conversion		**$3,875.00**
4	CDMA Datacenter transition and Phone Charges	Monthly $ 1312.00	**$15,744.00**
5	Repair – of datacenter during Server Control Room AC Fail and Flood		**$5,685.00**
6	Fiber Conversion for the operation Building ENS System		**$1,735.00**
7	Alarming – SMS Alarming All meter sites		**$8,440.00**
8	Reporting Additions and modifications		**$5,000.00**
9	Pump Station Operational Inspections		**$43,600.00**
10	Ongoing ENS Maintenance		**$12,000.00**
		Total	**$138,527.00**

Terms and Conditions:

Service Warranty

USCubed warrants all services they provide under the scope of this proposal to be professional, accurate and compliant with all national and local codes.

Software Warranty

USCubed guarantees that all software developed by them to be free from errors. This does not include software supported by USCubed, developed by other vendors. However, for purposes of this proposal, all software developed by USCubed for other vendor's products shall be warranted by USCubed. For the purpose of this warranty, software error is understood to be a program's failure to perform a design function.

This warranty shall remain in force for the duration of the Software Services contract, as defined by this proposal.

Limits of Liability

USCubed will not accept liability for consequential damages.

Invoicing

USCubed should be considered fully compliant to the defined Solicitation. Any and all trenching will be the responsibility of the City of Culver City.

This proposal is a Budgetary Estimate of $ $138,527.00 **for the work as described within.**

This will be billed in 4 Invoices.

Invoice 1 will be 45% of Contract for Mobilization for Items 1,2,3,6,7 Plus total of Items 4,5.
$46,853.10

Invoice 2 will be 45% of Contract for contract Completion for items 1,2,3,6,7
$25,424.10

Invoice 3 Will be 10% of Contract 30 Days after Completion
$5,649.80

Invoice 4 Item 8 will be billed as hours are used.
$5,000.00

IInvoice 5 Item 9 will be billed as hours and Parts used.
$43,600.00

Invoice 6 Item 10 will be billed as hours are used.
$12,000.00

Classifications and Standard Rates

- ☐ Instrumentation and Control Engineering
  $85
  Design and instrument calibration in conformance with: P&ID's, Loop Drawings, Valve Sizing, System Specification, and Panel Design
- ☐ Electrical Engineering
  $125
  Power Distribution
  Short Circuit Analysis
  Elementary Drawings
  Protection Relay Testing
  Electrical Testing
- ☐ Programmer
  $125
  Extensive software application development
  Experienced in DCS systems including Honeywell, Westinghouse, Wonderware and Foxboro
  Software applications and development for PLC's
- ☐ Project Manager / Consultant
  $125
- ☐ Configuration of Applications
  $125
  InTouch by Wonderware
  Fix DMACS by Intellution
  Factory Link by U.S. Data

Any alteration or deviation from the specifications set forth in this proposal will be executed only upon written orders and may become an extra charge above the contracted price.

Stand-by time is not included in this proposal. Stand-by time is defined as time spent on site waiting for completion of the clients construction, installation, wiring and other delays beyond the control and not contracted to Utility Systems Science Software. Stand by time will be billed separately on a time and material basis.

Any additional work will be billed on a time and material basis. T&M Work will be documented by daily customer approved time sheets. Our hourly rates for this type of work is $125.00 per hour for engineering and programming, $85.00 per hour for control panel design, CAD, fabrication and field wiring. These are regular time rates based on eight hours per day during weekdays. Overtime rates are billed at time and one half for all time over eight hours per day. Saturdays are billed at time and one half. Sundays will be billed at double time. Time spent in transit is $45.00 per hour. Travel and cost of living expenses for on site work will be documented and billed at our cost plus 10%.

Payment terms are NET thirty (30) days.
On Time and Material Contracts with a not-to-exceed amount, USCubed will notify the Owner/Client upon reaching a predetermined value of the contract so that the Owner/Client can make a contract value adjustment based on the scope-of-work remaining

USCubed Standard Rates are revised on December 31 of each calendar year to reflect any increase in legislated or commercial rates for employee burdens, benefits, or business general and administrative.

If you have any questions or comments please contact me at (619) 546-4281. Please advise.

Sincerely

Tom Williams

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
CHANGE ORDER

SHEET 1 OF 1 SHEETS

CONTRACT CHANGE ORDER NO: 2

PURCHASE ORDER NO.:

PROJECT: Pump Station Improvements

PROJECT NO: P-521

TO: Utility Systems Science and Software Contractor

REQUESTED BY: Dan Garcia

Upon the approval of the City Engineer and acceptance by the Contractor, the Contractor is hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on this contract.

DESCRIPTION

ADDITIONAL WORK

Bid Item and Description	Est. Qty	Unit	Unit Price	Ext Price
FloDar Meter Install w/Maint. @ Blackwelder	1	LUMP SUM	$ 26,208.00	$ 26,208.00
FloDar Meter Install @ Mesmer	1	LUMP SUM	$ 16,240.00	$ 16,240.00
Jackson - StreetSmart Conversion	1	LUMP SUM	$ 3,875.00	$ 3,875.00
CDMA Datacenter transition and Phone Charges	1	LUMP SUM	$ 15,744.00	$ 15,744.00
Repair of datcenter during Server Control Room AC fail & flood	1	LUMP SUM	$ 5,685.00	$ 5,685.00
Fiber Conversion for the Operation ENS System Bldg.	1	LUMP SUM	$ 1,735.00	$ 1,735.00
Alarming-SMS alarming all meter sites	1	LUMP SUM	$ 8,440.00	$ 8,440.00
Reporting additions and modifications	1	LUMP SUM	$ 5,000.00	$ 5,000.00
Pump Station Operational Inspections	1	LUMP SUM	$ 43,600.00	$ 43,600.00
Ongoing ENS Maintenance	1	LUMP SUM	$ 12,000.00	$ 12,000.00

Contract Amount (Base bid) ..... $ 576,350.00

Amount of This Change Order ..... $ 138,527.00

Amount of Previous Change Orders ..... $ 44,083.00

Total Change Orders ..... $ 182,610.00

% Change Orders ..... $ 31.68

Modified Contract Amount ..... $ 758,960.00

Approved _____ Date _____

Public Works Director and City Engineer

I, the undersigned Contractor, or the authorized agent of the Contractor, have given careful consideration to the change(s) proposed and hereby agree to all of the above terms with no further negotiations.

Accepted, Date _____ Contractor Utility Systems Science and Software

By _____ Title _____ Tom Williams, Principal

Copies: Contractor, City Treasurer, Project File, Project Manager, Public Works Inspector, Engineering Services Manager

[X] [ ] [X] [ ] [X]