GL-2009-31

# **TOWN OF GLASTONBURY**

#### **INVITATION TO BID**

Bid # ITEM DATE & TIME REQUIRED

GL-2009-31 Public Access Television System March 11, 2009 @ 11:00 AM Upgrade

The Town of Glastonbury is currently seeking bids for the upgrade of the Town's public access television system at Town Hall, 2155 Main Street.

Bid forms may be obtained at the Office of the Purchasing Agent, 2155 Main Street, Glastonbury, CT 06033 (second level) or on the Town's web site at <a href="https://www.glastonbury-ct.gov">www.glastonbury-ct.gov</a>.

A mandatory pre-bid meeting and project walk-through will be held at the Town Hall, 2155 Main Street, Glastonbury, CT 06033 on **Wednesday, February 25, 2009 at 10:00 a.m.** 

The Town reserves the right to waive informalities or reject any part of, or the entire bid, when said action is deemed to be in the best interest of the Town. All sealed bids must be submitted to the office of the Purchasing Agent no later than the time and date indicated. All bids will be publicly opened and read.

Mary F. Visone Purchasing Agent

# TOWN OF GLASTONBURY PUBLIC ACCESS TELEVISION SYSTEM UPGRADE GL-2009-31

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Information for Bidders GL-2009-31

1. Sealed bids (one original and one copy) on the attached Bid Forms will be received at the Office of the Purchasing Agent, Town Hall, 2155 Main Street, Glastonbury, Connecticut 06033 (second level). At the designated time of opening, they will be publicly opened, read, recorded and placed on file.

- 2. Whenever it is deemed to be in the best interest of the Town, the Town Manager, Purchasing Agent or designated representative shall waive informalities in any and all bids. The right is reserved to reject any bid, or any part of any bid, when such action is deemed to be in the best interest of the Town of Glastonbury.
- 3. The award will be on the basis of bid total cost unless otherwise specified.
- 4. Bids will be carefully evaluated as to conformance with stated specifications.
- 5. The envelope enclosing your bid should be clearly marked by bid number, time of bid opening and date.
- 6. Vendor shall include a minimum of three references with the bid proposal. Vendor shall include the name, address, and telephone number of the responsible person of the organization. The Town reserves the right to contact these organizations regarding the services performed.
- 7. Specifications must be submitted complete in every detail, and when requested, samples shall be provided. <u>If a bid involves any exception from stated specifications, they must be clearly noted as exceptions, underlined, and attached to the bid.</u>
- 8. The Bid Documents contain the provisions required for the requested item. Information obtained from an officer, agent, or employee of the Town or any other person shall not affect the risks or obligations assumed by the Bidder or relieve him/her from fulfilling any of the conditions of the Bid.
- 9. Each bidder is held responsible for the examination and/or to have acquainted themselves with any conditions at the job site which would affect their work before submitting a bid. Failure to meet these criteria shall not relieve the Bidder of the responsibility of completing the Bid without extra cost to the Town of Glastonbury.
- 10. Any bid may be withdrawn prior to the above scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be considered. No bidder may withdraw a bid within sixty (60) days after the actual date of the opening thereof. Should there be reasons why a Bid cannot be awarded within the specified period, the time may be extended by mutual agreement between the Town and the bidder.

Information for Bidders GL-2009-31

11. **THIS ITEM WAIVED:** Each bid must be accompanied by a bid bond payable to the Town for ten percent (10%) of the total amount of the bid. The bid bond of the successful bidder will be retained until the payment bond and performance bond have been executed and approved, after which it will be returned. A certified check may be used in lieu of a bid bond. The Town of Glastonbury will not be liable for the accrual of any interest on any certified check submitted. Cashier's checks will not be accepted.

- 12. **THIS ITEM WAIVED:** A 100% Performance and Payment bonds are required of the successful bidder. This bond shall cover all aspects of the specification and shall be delivered to the Purchasing Agent prior to the issuance of a purchase order. The Performance and Payment Bonds will be returned upon the delivery and acceptance of the bid items.
- 13. The bidder agrees and warrants that in the submission of this sealed bid, they will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religion, national origin, sex, or physical disability including, but not limited to blindness, unless it is shown by such bidder that such disability prevents performance of that which must be done to successfully fulfill the terms of this sealed bid or in any manner which is prohibited by the laws of the United States or the State of Connecticut: and further agrees to provide the Human Relations Commission with such information requested by the Commission concerning the employment practices and procedures of the bidder. An Affirmative Action Statement will be required by the successful bidder.
- 14. Bidder agrees to comply with all of the latest Federal and State Safety Standards and Regulations and certifies that all work required in this bid will conform to and comply with said standards and regulations. Bidder further agrees to indemnify and hold harmless the Town for all damages assessed against the Town as a result of Bidder's failure to comply with said standards and/or regulations.
- 15. All correspondence regarding any purchase made by the Town of Glastonbury shall reference the Town's purchase order number. Each shipping container shall clearly indicate both Town purchase order number and item number.
- 16. Bidder is required to review the Town of Glastonbury Code of Ethics adopted July 8<sup>th</sup>, 2003 and effective August 1, 2003. Bidder shall acknowledge that they have reviewed the document in the area provided on the bid / proposal response page (BP). The selected Bidder will also be required to complete and sign an Acknowledgement Form prior to award. The Code of Ethics and the Consultant Acknowledgement Form can be accessed at the Town of Glastonbury website at <a href="https://www.glastonbury-ct.gov">www.glastonbury-ct.gov</a>. Upon entering the website click on Bids & RFPs, which will bring you to the links for the <a href="Code of Ethics">Code of Ethics</a> and the <a href="Consultant Acknowledgement Form</a>. If the Bidder does not have access to the internet a copy of these documents can be obtained through the Purchasing Department at the address listed within this bid / proposal.

# 17. Non Resident Contractors (IF APPLICABLE)

The Town is required to report names of nonresident (out of state) Contractors to the State of Connecticut, Department of Revenue Services (DRS) to ensure that Employment Taxes and other applicable taxes are being paid by Contractors. Upon award, all nonresident contractors must furnish a five percent (5%) sales tax guarantee bond (state form AU-766), or a cash bond for 5% of the total contract price (state form AU-72) to DRS even though this project is exempt from most sales and use taxes.

See State Notice to Nonresident Contractors SN 2005(12). If the above bond is not provided the Town is required to withhold 5% from Contractor's payments and forward it to the State DRS.

Contractor must promptly furnish to the Town a copy of the <u>Certificate of Compliance</u> issued by the State DRS.

- 18. Bidder shall include on a sheet(s) attached to its proposal a complete disclosure of all past and pending mediation, arbitration and litigation cases that the bidder or its principals (regardless of their place of employment) have been involved in for the most recent five years. Please include a statement of the issues in dispute and their resolution. Acceptability of Bidder based upon this disclosure shall lie solely with the Town.
- 19. Bidder or its principals, regardless of their place of employment, shall not have been convicted of, nor entered any plea of guilty, or nolo contendere, or otherwise have been found civilly liable or criminally responsible for any criminal offense or civil action. Bidder shall not be in violation of any State or local ethics standards or other offenses arising out of the submission of bids or proposals, or performance of work on public works projects or contracts.

IMPORTANT:

Failure to comply with general rules may result in disqualification of the bidder.

#### **INSURANCE**

The Bidder shall, at its own expense and cost, obtain and keep in force during the entire duration of the Project or Work the following insurance coverage covering the Bidder and all of its agents, employees and sub-contractors and other providers of services and shall name the **Town its employees and agents as an Additional Insured** on a primary and non-contributory basis to the Bidders Commercial General Liability and Automobile Liability policies. **These requirements shall be clearly stated in the remarks section on the Bidders Certificate of Insurance.** Insurance shall be written with Carriers approved in the State of Connecticut and with a minimum Best's Rating of A-. In addition, all Carriers are subject to approval by the Town. Minimum Limits and requirements are stated below:

# 1) Worker's Compensation Insurance:

- Statutory Coverage
- Employer's Liability
- \$100,000 each accident/\$500,000 disease-policy limit/\$100,000 disease each employee

# 2) Commercial General Liability:

- Including Premises & Operations, Products and Completed Operations, Personal and Advertising Injury, Contractual Liability and Independent Contractors.
- Limits of Liability for Bodily Injury and Property Damage Each Occurrence \$1,000,000 Aggregate \$2,000,000 (The Aggregate Limit shall apply separately to each job.)
- A Waiver of Subrogation shall be provided

#### 3) Automobile Insurance:

- Including all owned, hired, borrowed and non-owned vehicles
- Limit of Liability for Bodily Injury and Property Damage: Per Accident \$1,000,000

The Bidder shall direct its Insurer to provide a Certificate of Insurance to the Town before any work is performed. The Certificate shall specify that the Town shall receive 30 days advance written notice of cancellation or non-renewal. The Certificate shall evidence all required coverage including the Additional Insured and Waiver of Subrogation. The Bidder shall provide the Town copies of any such policies upon request.

#### **INDEMNIFICATION**

To the fullest extent permitted by law, the Bidder shall indemnify and hold harmless the Town and its consultants, agents, and employees from and against all claims, damages, losses and expenses, direct, indirect or consequential (including but not limited to fees and charges of engineers, attorneys and other professionals and court and arbitration costs) arising out of or resulting from the performance of the Bidder's work, provided that such claim, damage, loss or expense is caused in whole or in part by any negligent act or omission by the Bidder, or breach of its obligations herein or by any person or organization directly or indirectly employed or engaged by the Bidder to perform or furnish either of the services, or anyone for whose acts the Bidder may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder.

#### I. General Intent

It is the general intent of this bid to have a vendor provide equipment, materials, and services to relocate and upgrade the existing public access television production system located in the Town Hall building at 2155 Main Street, Glastonbury, CT. The existing system includes cameras permanently installed in the Town Council Chambers on the main level of the Town Hall and a control console and equipment located in a lunch room directly across the corridor. The Town intends to upgrade the control console and equipment and relocate them to a vacant room located on the level below their current location.

#### II. General Format of This Solicitation

The following is a description of the Town of Glastonbury – Public Access Television System Upgrade Project. For simplicity, the Town of Glastonbury will be referred to as "TOG" and the company bidding on the project will be referred to as the "vendor". New equipment, to be supplied by the vendor, is shown in **bold**. This document is meant to be used in conjunction with the accompanying system flow drawing, console layout drawing, and bid spreadsheet. Bidders shall complete and submit the bid sheet included with this document providing unit prices for each line item, extended prices, and a total price for all the work.

#### III. System Requirements

a. The equipment listed in this section is required to be provided by the vendor. Vendors proposing substitutions for any of this equipment shall provide, with their bid, any and all technical data necessary to determine that the proposed substituted equipment is equivalent in all respects to the specified equipment.

#### A. CABLECASTER

The **Leightronix UltraNexus** is the heart of the cablecasting system. It is a two channel (preview and program output) digital video server that will play back video stored on its hard drive. It has a separate encoder channel for capturing programming onto the hard

drive. It can record for up to 24 hours with the appropriate amount of external hard drive storage. It can simultaneously record and playback programming.

It includes scheduling software that allows for unattended station operation.

It has a built in router to switch sources to air including: external DVD recorder, live broadcasts, and existing external Scala graphics with cable TV music.

It will control the operation of a DVD recorder / player for unattended playback.

It has graphics software for creating bulletin boards, program guides etc. It will act as a server for posting the program guide on a website.

The system allows for remote access via the web so graphics and scheduling can be done from anywhere. This will need to be set up with TOG IT personnel in order to access the UltraNexus externally through their network (firewall, password, account considerations).

The system will create two files every time you capture programming. The first is full resolution (3-10 Mbs) MPEG2 for playback over the channel. The second is a smaller file (1.5 Mbs) optimized for streaming or video on demand

The system will have **two external 500gig hard drives** for storage (one for normal video files, the other for streaming-sized files) allowing for approximately 250 hours of video program storage.

#### B. DVD RECORDER / PLAYERS

As well as directly recording to the cablecaster, live programs will be recorded on two **DVD recorder / players.** One DVD recorder / player will also be available for automated playback through the cablecaster. The other will also be available as a playback device for live productions.

It is the vendor's responsibility to supply two DVD recorder / players of the same manufacturer and model. They shall record for six or more hours on a standard DVD-R disk. The vendor shall supply one **Leightronix Pro-bus control interface** to allow for unattended playback. The DVD recorder player and Leightronix Pro-bus control interface shall be compatible.

NOTE: The cablecaster will not control the DVD recorder to find particular titles and chapters for playback. It will only control the play, stop, and record functions of the machine. Therefore, upon a play command being issued by the cablecaster, a DVD will play from the beginning. If only a particular chapter is desired to be shown, that section of the DVD can be captured manually onto the cablecaster's hard-drive and subsequently played back from the drive.

#### C. STAND ALONE DVD DUPLICATOR

A Micro Boards DVD-PRM316 will allow for 3 copies of a DVD to be made at a time.

#### D. SYSTEM FLOW

The video from the existing three cameras in the council chambers will connect to the Marshall V-R44P quadruple camera 4" monitors.

The VGA video from an existing laptop will connect to the **AV Tool CS-320 scan converter.** Both items, along with an existing video projector, will sit in the Council Chambers on an existing metal A/V cart. The composite video "PC" signal out of the scan converter will be connected to a new BNC plate provided and installed by the vendor at the base of the riser near the existing Ethernet connection. An appropriate cable for composite video will be connected to the back of the plate and the cable run by the vendor to the new control room.

The PC and DVD recorder / player #1 will connect to the **RDL RU-VSX4 input 4 switcher**. As the name suggests, this switcher will select which of the device signals connected to it are passed to input #4 of the production switcher (via the fourth camera monitor).

The loop through inputs of the four camera monitors will feed the four inputs of the existing Panasonic WJ-MX50 switcher.

The preview out of the switcher will go to the left monitor of the Marshall V-R82DP-2C preview / program monitor.

The program out of the switcher feeds the existing Videonic TM3000 character generator. The preview output of the character generator feeds the existing Sony PVM8040 monitor. The program out of the character generator feeds the **Kramer VM-5S program distribution amplifier (DA)**. This takes the single video feed from the character generator and splits it, with out degradation, to multiple outputs.

Audio from the Council Chamber and DVD recorder / player #1 is fed to inputs of the existing Mackie 1202VLZ mixer. The output of the mixer is fed to the existing Symetrix 501 compressor. The output of the compressor feeds the program DA.

The program DA feeds the cablecaster, the DVD recorder / players, the **Terk Mini Council Chamber modulator,** the right side of the preview / program monitor, and the existing Anchor AN1000X program speaker.

The council chambers' modulator feeds the TV in the Council Chambers.

The VGA output of the existing Scala CPU feeds an existing TVOne CS320 Scala scan converter. The VGA out of the Scala scan converter feeds the existing Dell local VGA monitor.

The composite video out of the Scala scan converter (with cable TV music), program DA, and DVD recorder / player #2 feed the cablecaster.

The preview and program out of the cablecaster feeds the existing Panasonic CT1384VY off-air / cablecast preview monitor. This monitor also receives the cable TV return RF signal.

The cablecaster program signal loops through the off-air / cablecast preview monitor and feeds the existing Cadco M-369 modulator. The modulator feeds the cable TV system.

Equipment will be mounted in and on a **Middle Atlantic SC-3BK three-bay console** according to the accompanying console layout drawing.

# IV. General Administrative, Bidding, and Installation Requirements

The vendor shall:

- a. Provide written justification, accompanying their bid, for any proposed changes in design or equipment.
- b. Provide all labor, equipment, and materials to complete the project except as noted.
- c. Perform all work, to be done by qualified personnel, in a professional, neat, and safe manner, obeying applicable laws and codes and following industry standards for such work.
- d. Move equipment that is to be reused from its current location to the new control room, except as noted.
- e. Make all existing and new equipment work together as a functioning system. All settings and calibrations will be done by the vendor as part of the installation.
- f. Correct any errors or omissions in the design or specifications within the bid price. It is the vendor's responsibility for the system to function as described.
- g. Minimize the time the station is off the air. The maximum amount of time the station shall be off the air is eight hours. Any off air time must be scheduled and coordinated with and approved by the TOG.
- h. Label each device to identify all inputs and outputs.
- i. Label each cable at both ends with a unique cable number indicating the termination location.
- j. Label every control, monitor, etc. as to its function. This is to be done with TOG personnel in order to make the labels understandable to the operators.
- k. Run all cables between the Council Chambers, the lunchroom, and the new control room extending existing cables and installing new cable, as necessary to make the system fully functional.
- 1. Anchor all cables to the racks as appropriate.
- m. Route all power for control room equipment through the existing Furman PL-8 power conditioner, except for the cable box, CPU, CPU VGA monitor, cablecaster, modulator, Scala scan converter, and DVD recorder / player #2, so as to allow a single switch to turn all power off to the console equipment, except for the noted devices.
- n. Route the cable box, CPU, CPU VGA monitor, cablecaster, modulator, Scala scan converter, and DVD recorder / player #2 power through the existing UPSs.

- o. Provide two 4 hour sessions of on-site training to TOG personnel on operating the completed system, setting up the cablecaster for the first weeks playback schedule, including DVD device control, graphics creation, program guide creation, media capture, data back-up, live event recording to hard drive, router operation.
- p. Provide as-built drawing(s) to TOG within 30 days of completion of the installation. The cable numbers shall appear on the drawings. Final payment will be processed after receipt of the drawings by TOG.
- q. Provide a contact number for 24 hour / 7 day a week telephone support.
- r. Warrantee all equipment and workmanship for a period of one year from final acceptance by the TOG.

# TOG shall:

- a. Provide Ethernet connections for the Dell CPU and Leightronix Ultra Nexus. TOG IT personnel and the vendor will share information so that the vendor can network the two devices.
- b. Install two new 20-amp circuits to two quad outlet wall outlets in the new control room behind the console.

# TOWN OF GLASTONBURY

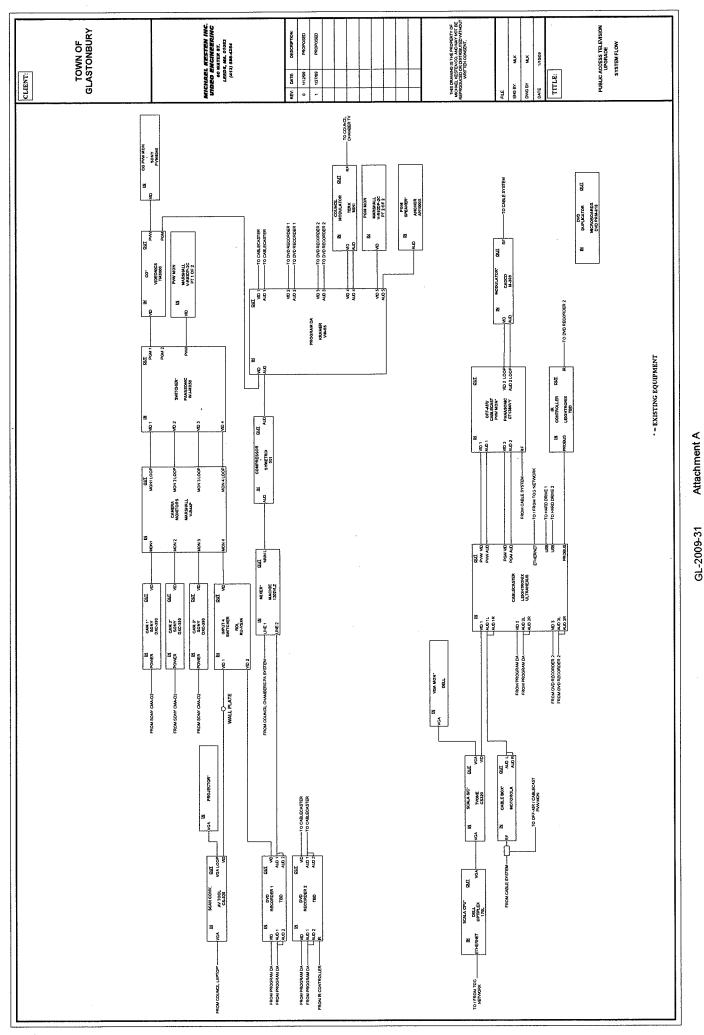
GL-2009-31 BP-1

Proposal of	(hereinafter called
"Respondent"), organized and existing under the laws of the St	ate of
doing business as	
To the Town of Glastonbury (hereinafter called "Town").	
In compliance with your Invitation to Bid, the Respondent here	eby proposes to furnish materials
And/or services as per Bid Number GL-2009-31 in strict accord	dance with the Bid
Documents within the time set forth therein, and at the prices s	tated below.
By submission of this bid, the Respondent certifies, and in the	case of a joint bid each party
Thereto certifies as to their own organization that this bid has b	peen arrived at independently
Without consultation, communication, or agreement as to any r	matter relating to this bid
with any other Respondent or with any competitor.	
The Respondent acknowledges receipt of the following:	
Addendum #1	
Addendum #2	
Addendum #3	



TOWN OF GLASTONBURY			
BID / PROPOSAL		GL # or	GL-2009-31
DATE ADVERTISED	2/19/09	DATE / TIME DUE	March 11, 2009 @ 11:00 a.m.
NAME OF PROJECT	Public Acces	s Television System Upgrade	2
Work Item:			
Furnish and install all equ per Town of Glastonbury and Attachments a. and b completed itemized bid of	GL-2009-31 . and the	<b>\$</b>	
Written Bid Amount:			
It is the responsibility of with the Bid Number, Dat	<del>-</del>	to clearly mark the outside d Opening.	of the bid envelope
Items Required with Submis	ssion of Bid Propos	al:	
		ion with the above referenced bion not be assumed to be a complete	
Acknowledge	ement of Addendum	(s), if applicable	
Code of Ethic	es Acknowledgemen	t (Page BP-3)	
Sealed bids, o	one original and one	copy	
Completed A	ttachment c. itemize	d bid	
List of referen	nces as per Page IB-	1, Paragraph 6.	

Type or Print Name of Individual	Doing Business as (Trade Name)
Signature of Individual	Street Address
Title	City, State, Zip Code
Date	Telephone Number / Fax Number
E:mail Address	SS # or TIN#



GL-2009-31

# TOWN OF GLASTONBURY ACCESS TELEVISION UPGRADE

ITEM	ITEM MANUFACTURER	MODEL	DESCRIPTION	ατγ	UNIT PRICE	EXTENDED PRICE
-	AV TOOL	CS-320	SCAN CONVERTER FOR COUNCIL CHAMBER PC	-		
2	KRAMER	VM-5S	V/A PROGRAM DA 1 X 5	-		
6	LEIGHTRONIX	LGX-HD500GT	500GIG EXTERNAL STORAGE (1 FOR REGULAR STORAGE, 1 FOR ON-LINE MEDIA)	2		
4	LEIGHTRONIX	TBD	IR CONTROLLER FOR DVD RECORDER	-		
5	LEIGHTRONIX	ULTRANEXUS				
9	MARSHALL	V-R44P	FOUR SCREEN 4" COLOR LCD RACKMOUNT MONITOR			
7	MARSHALL	V-R82DP-2C	PGM / PVW 8" RACKMOUNT DUAL LCD MONITORS	-		
8	MICROBOARDS	DVD PRM-316	STAND ALONE DVD DUPLICATOR 1:3	-		
6	MIDDLE ATLANTIC	SC-3BK	3 BAY CONSOLE	-		
2	RDL	PS-24A	POWER SUPPLY	-		A STATE OF THE STA
7	RDL	RU-VSX4	SWITCHER FOR SWITCHER INPUT 4	-		
12	TBD	TBD	DVD RECORDER (COMPATIBLE WITH CABLECASTER CONTROL). UP TO 6 HOURS OR MORE RECORD TIME ON DVD-R	2		
6	TRD		100 PACK SPINDLE OF DVD-R BLANK MEDIA W/ APPROPRIATE SLEEVES			
4	TBD		PROVIDE AND INSTALL APPROPRIATE CABLE FOR EXTENDING VIDEO FROM LUNCH ROOM TO NEW CONTROL ROOM	-		
, <u>f</u>	Car		PROVIDE AND INSTALL APPROPRIATE CABLE, CONNECTOR AND PLATE FOR CONNECTING "PC" COMPOSITE VIDEO FROM COUNCIL CHAMBERS TO NEW CONTROL ROOM	7		
9	TBD		PROVIDE AND INSTALL APPROPRIATE CABLE FOR EXTENDING PTZ CONTROL (CRESTNET) FROM NEW CONTROL ROOM TO LUNCH ROOM HUB	-		
17	TERK TECHNOLOGIES	MINI	MODULATOR FOR COUNCIL CHAMBER TV	-		
38	VARIOUS		ALL NECESSARY INSTALLATION MATERIALS INCLUDING BUT NOT LIMITED TO: HARDWARE, CABLES, LABELS, CONNECTORS, POWER STRIPS	-		
			TWO FOUR HOUR ON-SITE TRAINING SESSIONS - SETUP CABLECASTER WITH GLASTONBURY PERSONNEL FOR FIRST WEEKS PLAYBACK SCHEDULE, INCLUDING DOUD DEVICE CONTROL, GRAPHICS CREATION, PROGRAM GUIDE CREATION MEDIA CANTILING PACK HOLLING EXPENT BECORDING TO HARD DRIVE ROLLIFER			
2 5	VENDOR		INSTALLATION - VENDOR WILL PROVIDE ALL LABOR FOR INSTALLATION.	-		
3 2	VENDOR		24/7 TELEPHONE SUPPORT FOR 1 YEAR	1		
7	VENDON				TOTAL	

Notes:

1) THIS DOCUMENT TO BE USED IN CONJUNCTION WITH THE TECHNICAL SPECIFICATIONS, SYSTEM FLOW DRAWING, AND CONSOLE LAYOUT DRAWING

2) TECHNICAL DATA IN SUFFICIENT DETAIL NECESSARY TO DETERMINE EQUIVALENCY OF ANY PROPOSED SUBSTITUTIONS SHALL ACCOMPANY VENDOR'S BID

3) THE "TOTAL" SHOWN ON THIS SHEET SHALL EQUAL THE TOTAL BID AMOUNT SHOWN ON PAGE "BP-2"