



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **66170** | Service: **DTV** | Call **KTIV** | Channel: **14 (UHF)** |  
ID: | Sign:  
File **0000027507**  
Number:  
FRN: **0025026022** | Date **12/15**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>KTIV License, LLC</b> Doing Business As: KTIV License, LLC	Brady Dreasler PO Box 909 Quincy, IL 62306 United States	+1 (217) 223-5100	bdreasler@quincymedia. com	Limited Liability Company

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Information

### Preparer Contact Name and Information

Applicant	Address	Phone	Email
<b>Tony zumMallen</b> <i>QCommunications</i>	Tony zumMallen 705B SE Melody LN #314 Lees Summit, MO 64063 United States	+1 (816) 729- 1177	tony@qcom1. com

**Broadcaster  
Information  
and  
Transition  
Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	The transition from channel 41 to channel 14 requires shared interim systems with KMEG and KPTH through a combiner. KTIV will require a new antenna, line and transmitter to complete the transition.

**Transmitters**

Section	Question	Response
<b>Transmitter Related Expenses</b>	Do you have transmitter related expenses?	Yes

**Primary  
Transmitter**

**Existing Transmitter Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	PowerCD
	Year	2006
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60 kW

**Primary Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-100
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	62.9 kW
	Justification for New Transmitter	IOT Transmitter is not tunable per the manufacturer. Special Case- Channel 14 requirements. Per engineering consultant new TPO required is 56.7kw.

**Primary Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA

	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	500.0 feet
	Other Electrical Service	No
	Description	N/A
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	10

**Primary Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
<b>RF Accessories-other</b>	RF Accessories on Gates Q-62047 for transmitters not captured on existing line items
<b>Install new circuit for Air load 3.</b>	New 208v circuit for air load #3.
<b>Transmitter - Training</b>	Transmitter training - offsite - 1 week in duration at mfg site.
<b>Security - Site</b>	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.

<b>Site Survey - TX</b>	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.
<b>Demo Conduit and Wire</b>	Demolition all non-utilized conduit to old transmitter & equipment.
<b>Transmitter Site Preparation</b>	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.
<b>Channel 14 remediation</b>	After working with the NAB and our consulting engineer a LM remediation budget needs to be added to cover these estimated costs of operating in CH 14.
<b>Switch Installation</b>	Install the additional RF switch to operate the interim and main antenna - not covered under Gates scope of work
<b>TX Install Parts</b>	Adapters, flange, pipe hangers
<b>DTV TS Converter</b>	DTV TS Converter with Web Interface
<b>Security System</b>	Installed conduit as required for security camera system.
<b>Disconnect existing Transmitter</b>	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
<b>Freight - MFG</b>	Freight- from MFG to staging area or station
<b>Sales Tax - Non Exempt -IA</b>	KTIV is not tax exempt from Iowa Sales tax - Gates calculates
<b>ELECTRICAL EQ INSTALLATION</b>	INT AND MAIN TX REQUIRE NEW ELECTRICAL SYSTEMS INSTALLATIONS

**Interim  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	20 kW
	Justification for New Transmitter	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.

**Interim  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	No

	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	500.0 feet
	Other Electrical Service	No
	Description	N/A
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	Yes

**Interim Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
Sales Tax est	IA sales tax est per mfg
Freight - TX eq	Freight from the mfg to stations TX site.



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**Transmitter Site Preparation**

Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.

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**Antennas**

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	873.0 kW

Manufacturer	
Model	TFU-30JTH-R-04
Year	2006

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**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	24
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	873.0 kW
	Manufacturer	
Model	TFU-31ETT	

Year	2017
Justification for New Antenna	Required to operate on the new channel assignment. Ch14 special case. FAA height restrictions. E-POL has been added and that will be treated as an upgrade which is not reimbursable. \$240,000 is verified.

**Primary Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	6 1/8 inches inches

<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary Antenna**

**Other Antenna Cost Not Listed**

<b>Name</b>	<b>Description</b>
<b>Combiner Tee</b>	Combiner Tee WR1800x5.75 to 6-75 EIA
<b>FREIGHT EQUIPMENT</b>	FREIGHT FOR THE ANTENNA AND LINE FROM MFG TO STORAGE OR STAGING AREA.
<b>SWEEP NEW ANTENNA AND LINE</b>	SWEEP NEW ANTENNA AND LINE

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Slot
	Number of Stations Supported	3
	Number of Panels/Bays	24
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	300.0 kW
	Manufacturer	
	Model	TFU-24WB- 1-R
	Year	2017



Justification for New Antenna	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Shared with KPTH and KMEG. Paid from the KPTH deal.
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**Interim Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	3
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	6 1/8 inches

<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Enter a list of RF channel numbers.**

RF Channel Number
30
32
14

**Interim Antenna**

**Other Antenna Cost Not Listed**

Name	Description
<b>SWEEP NEW LINE AND ANTENNA</b>	<b>SWEEP NEW ANTENNA AND LINE</b>

**Transmission  
Line**

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

**Primary  
Transmission  
Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2298 feet per run

**Primary  
Transmission  
Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2140 feet per run
	Justification for New Transmission Line	Required to make the channel assignment relocation from CH41 to CH14

**Primary  
Transmission  
Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
<b>Disconnect existing Interior RF components</b>	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.

**Tower Equipment And Rigging Costs**

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

**Primary Tower**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1057963
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	42° 35' 12.0" N-
	Longitude (NAD83)	096° 13' 19.0" W-
	Overall Structure Height	1987.84 feet
	Support Structure Height	1847.09 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1332.99 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Heartland Tower Company, L.L.C.
Date Constructed	02/22/2007

**FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared**

Facility ID	Call Sign	Service
77451	KPTH	DTV
39665	KMEG	DTV

**Primary Tower**

**Tower Modification Costs**

Section	Question	Response
<b>Engineering Study</b>	Please what type of engineering study is required, if any:	Study needed for tower with candelabra
<b>Tower Reinforcements</b>	Please select whether tower reinforcements are needed:	Major Reinforcements needed

**Primary Tower**

**Tower Rigging Costs**

Section	Question	Response
<b>Tower Rigging Costs</b>	Complex Tower	Candelabra
<b>Helicopter Services Required</b>	Are helicopter services required?	No

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.



**Outside Professional Services Costs**

Section	Question	Response
<p><b>Outside Project Management Services</b></p>	<p>Do you require outside project management services?</p>	<p>Yes</p>
	<p>Number of Hours</p>	<p>1405</p>
	<p>Explanation</p>	<p>Scope &amp; significance of project (QMI has multiple stations repacked) require outside management services to augment existing internal personnel to assist turnkey management of and ensure timely and safe execution of channel relocation.</p>
<p><b>Outside RF consulting Engineering Services</b></p>	<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC Construction Permit Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>No</p>
	<p>For Main Facility</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC License to Cover Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>No</p>
	<p>For Main Facility</p>	<p>Yes</p>

	Prepare request for Special Temporary Authority	Yes
	Quantity	4
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	4
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
Address transition timing and coordination issues w/ other stations and wireless providers	Yes	
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	Yes

RF exposure measurements	No
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A

**Outside  
Professional  
Services  
Costs**

**Other Professional Services Expenses Not Listed**

Name	Description
<b>General Engineering Services</b>	Engineering Services not covered under another category
<b>General Repack Legal Services</b>	See attached memo-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399
<b>Plumbing work for TX cooling systems</b>	New TX Interim and Main required new plumbing systems to be installed
<b>Quarterly reporting</b>	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.
<b>Vendor Travel Expenses</b>	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses.
<b>Combiner Sweep</b>	Consultant onsite for combiner sweep 8/21 /2018 through 8/25/2018

**Other Expenses**

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
<b>Permit and Filing Costs</b>	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other  
Expenses**

**Other Expenses Not Listed**

<b>Name</b>	<b>Description</b>
<b>Remove and Reinstall Fence</b>	Remove and reinstall fence to accommodate delivery of equipment
<b>SITE SAFETY AND CLEARING PREP</b>	CLEAR THE CONTROLLED AREA AROUND THE TOWER OF BRUSH AND APPLY INSECTICIDE TO PREVENT ACCIDENTS AND PROMOTE A SAFE SITE AND MINIMIZING RISK.
<b>Additional Insurance</b>	Additional insurance costs to cover equipment in storage.

**Cost Information**

**Transmitters**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Justification
<b>Interim Transmitter ULXTE-30</b>	<b>\$1,030,905.57</b>	<b>\$982,505.57</b>		<b>\$645,365.43</b>	
25 Ton system	\$91,500.00	\$87,000.00	N/A	N/A	
2" Rigid Conduit and Wiring (Cost per foot)	\$13,000.00	\$12,500.00	N/A	N/A	
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$2,382.41	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$650,000.00	N/A	\$554,212.02	
Sales Tax est	<i>\$43,305.57</i>	\$43,305.57	as determined by GatesAir in the invoice	\$43,305.57	Actual per
Freight - TX eq	<i>\$8,400.00</i>	\$8,400.00	est cost to have the interim transmitter delivered from the mfg to transmitter site. per QTE Q-64042	\$7,700.00	
Transmitter Site Preparation	<i>\$5,000.00</i>	\$5,000.00	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.	\$5,000.00	

UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	\$32,765.43
<b>Primary Transmitter ULXTE-100</b>	<b>\$2,756,593.82</b>	<b>\$2,130,766.39</b>		<b>\$1,834,687.08</b>
ELECTRICAL EQ INSTALLATION	<i>\$99,000.00</i>	\$99,000.00	ELECTRICAL MODIFICATIONS FOR NEW MAIN AND INTERIM TX. USED THREE FCC LINE ITEMS - OTHER- ELECTRICAL AND MAIN TRANSMITTER - RF AND MAIN TX ELECTRICAL TOTALING 161592.36	\$98,625.90
Sales Tax - Non Exempt -IA	<i>\$133,564.18</i>	\$133,564.18	KTIV is not exempt from IOWA state sales tax. Gates calculates sales tax for invoices. see Q62047 and INV TE10004376	\$101,177.09
Freight - MFG	<i>\$17,300.00</i>	\$17,300.00	Freight- from MFG to staging area or station	\$13,000.00
Disconnect existing Transmitter	<i>\$25,000.00</i>	\$25,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	\$23,500.00
Security System	<i>\$4,761.50</i>	\$4,761.50	Security system to be replaced due to repack. Costs per actual invoice.	\$4,761.50

DTVI TS Converter	<b><i>\$3,719.00</i></b>	\$3,719.00	DTVI TS Converter with Web Interface including freight, handling and sales tax.	\$0.00
TX Install Parts	<b><i>\$20,847.29</i></b>	\$20,847.29	Costs per actual invoice. Gates invoice US0320883; change orders 79109 and 79109-1.	\$20,847.29
Switch Installation	<b><i>\$12,000.00</i></b>	\$12,000.00	Install the additional RF Switch from the main TX to operate the interim and main antenna. Work not covered in Gates Scope of Work.	\$12,000.00
Channel 14 remediation	<b><i>\$25,000.00</i></b>	\$25,000.00	Reduced 10-12-2017 per FCC Verified letter from \$500k to \$25k - to be increased as actual costs are required for remediation.	\$10,000.00
Transmitter Site Preparation	<b><i>\$10,500.00</i></b>	\$10,500.00	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.	\$10,500.00
Demo Conduit and Wire	<b><i>\$716.90</i></b>	\$716.90	Costs to demo non-utilized conduit and wire to old transmitter and equipment.	\$716.90



Site Survey - TX	<b><i>\$25,000.00</i></b>	\$25,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	\$18,500.00
Security - Site	<b><i>\$0.00</i></b>	\$0.00	Duplicate. Tool added this component erroneously	\$0.00
Transmitter - Training	<b><i>\$3,300.00</i></b>	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A
Install new circuit for Air load 3.	<b><i>\$374.50</i></b>	\$374.50	Costs to pull new 208v circuit for air load #3. Cost per actual invoice.	\$374.50
RF Accessories- other	<b><i>\$89,324.90</i></b>	\$89,324.90	RF Accessories per GatesAir Q-62047 Items C. RF Accessories. Captures required equipment not identified in existing 399 line items. - USE THE LINE C FROM THE ULXTE -72 QUOTE Q-74824	\$89,324.90
Additional field engineering time, 10-30 days	\$63,100.00	\$60,000.00	N/A	N/A
Channel 14 Mask Filter	\$189,500.00	\$0.00	per 5-29-19-FCC email recommendation we zeroed out the Mask filer and moved the CH14 Mask Filter dollars to the allotment to the TX line item.	N/A

RF Consulting Engineer	\$5,260.00	\$5,000.00	N/A	\$0.00	
25 Ton system	\$91,500.00	\$87,000.00	We reviewed the transmitter transition plans and with an additional 25 tons of HVAC installed in the new section of the transmitter room it is estimated that the required environmental conditions to operate the new transmitter config can be obtained.	\$42,561.15	
2" Rigid Conduit and Wiring (Cost per foot)	\$13,000.00	\$12,500.00	N/A	\$1,599.65	
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$40,000.00	GATES EQ QUOTE AND LOCAL ELECTRIC INSTALL AND EQUIPMENT QUOTE	\$28,480.82	
Switchgear - industrial 800 amp	\$38,200.00	\$83,440.74	PER Q-62047 - THE RF ACCESSORIES QUOTE LINE C IS MORE THAN THE PREDETERMINED SWITCHGEAR EST COST.	\$0.00	Q-6: ACCI - mov It Acc othe kno remc so we the t in S
Service entrance 3 phase/800 amp /208 volt	\$14,400.00	\$13,700.00	N/A	N/A	

UHF - Liquid Cooled Solid State Transmitter 62.9 kW	<b>\$30,771.45</b>	\$30,771.45	N/A	\$30,771.45
Securirty - Site	<b>\$15,654.10</b>	\$15,654.10	***System Notice: Estimate adjusted and locked because line has been superseded. ***This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.	\$15,654.10
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,312,291.83	***System Notice: Estimate adjusted and locked because line has been superseded. ***6-3-AMENDED est PER 5-29 email to equal TX plus CH14 Mask Filter Validation. \$1,223,584.00 - TX \$234,809.90 - CH14 Mask Filter. zeroed out MK line	\$1,312,291.83
<b>Sub-total</b>	\$3,787,499.39	\$3,113,271.96	N/A	\$2,480,052.51
<b>Total for all systems</b>	\$6,453,508.22	\$5,662,809.39	N/A	\$4,023,613.77

## Components

Actual Information	
Description	File Name
25 Ton system	Information not provided.
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

Switchgear - industrial 800  
amp

**Component Description:** Credit memo -  
transformer -  
GatesAir -  
US0315161  
**Amount:** (\$2,615.08)

**Component Description:** Gates - INT TX-  
KTIV - ELEC line D  
see inv and quote Q-  
62042  
**Amount:** \$1,665.83

**Component Description:** KTIV-GATES INT  
TX INV  
TE10004377-3 -line  
D Quote Q-62042-  
SWITCHGEAR  
**Amount:** \$1,665.83

**Component Description:** Gates - INT TX-  
KTIV - ELEC line D  
see Quote Q-62042  
-2nd invoice  
uploaded  
**Amount:** \$1,665.83

UHF - Liquid Cooled Solid  
State Transmitter 14.2 -  
20 kW

**Component Description:** Change in filter -  
Gates INV  
US0319466 plus  
change order Q-  
76148 - INV  
US0319466  
**Amount:** (\$19,990.36)

**Component Description:** Gates-INT TX -  
KTIV - 1/3 dep lines  
A, B and E - see  
revised INV and Q-  
62042  
**Amount:** \$186,164.25

**Component Description:** KTIV-Gates-INT TX  
- BALANCE INV  
TE10004377-3-  
LINES A, B and E -  
of quote Q-62042  
**Amount:** \$181,883.52

**Component Description:** Gates-INT TX -  
KTIV - 2nd  
payment- LINES  
lines A, B and E - of  
quote Q-62042  
uploaded- see for  
details.  
**Amount:** \$186,164.25

**Component Description:** Mask filter change:  
8 pole filter to a  
special 6-pole filter -  
Gates INV  
US0316385  
**Amount:** \$19,990.36

Sales Tax est	<p><b>Component Description:</b> Remaining sales tax on order.</p> <p><b>Amount:</b> \$14,370.63</p> <p><b>Component Description:</b> KTIV- INTERIM TX - EST sales tax as shown on inv TE10004377-2 and QUOTE - Q-62042 uploaded - added the rounding error 1 cent. 3-8-18</p> <p><b>Amount:</b> \$13,912.64</p> <p><b>Component Description:</b> KTIV- GATES-INT TX - Sales tax PORTION OF TE10004377-3</p> <p><b>Amount:</b> \$13,622.97</p> <p><b>Component Description:</b> sales tax for mask filter - Gates INV US0316385</p> <p><b>Amount:</b> \$1,399.33</p>
Freight - TX eq	<p><b>Component Description:</b> KTIV-GATES-INT INV TE10004337-3 - FREIGHT</p> <p><b>Amount:</b> \$7,700.00</p>
Transmitter Site Preparation	<p><b>Component Description:</b> KTIV-PREP- INTERIM - INV- QC18-057</p> <p><b>Amount:</b> \$5,000.00</p>

UHF inside RF system  
including switching

**Component Description:** Gates- INT TX - RF  
- KTIV - Line C -  
INV TE10004377-3  
Q-62042-76148-  
ENGR CHANGED  
RF UNIT  
**Amount:** \$10,921.81

**Component Description:** Gates- INT TX - RF  
- KTIV - Line C  
**Amount:** \$10,921.81

**Component Description:** Gates- INT TX - RF  
- KTIV - Line C - for  
2nd inv from Quote  
- Q-62042 uploaded  
**Amount:** \$10,921.81

ELECTRICAL EQ  
INSTALLATION

**Component Description:** KTIV- SCHRAMM-  
ELEC MAIN TX-  
INV 2952  
**Amount:** \$20,901.50

**Component Description:** KTIV-SCHRAMM  
ELEC -MAIN TX-  
INV 2873  
**Amount:** \$21,044.10

**Component Description:** KTIV- SCHRAMM  
ELEC - CO NEW  
PO - TO FINISH  
TX- INV 2857  
QUOTE ADDED  
**Amount:** \$3,076.25

**Component Description:** KTIV-SCHRAMM-  
ELEC- MAIN TX -  
INV 2806 -RESUB-  
3-7-19  
**Amount:** \$46,954.00

**Component Description:** Main - Schramm -  
electric demo - INV  
3140 - PO 20610  
**Amount:** \$6,650.05



Sales Tax - Non Exempt -  
IA

**Component Description:** Gates - Main Tx -  
KTIV - INV for Sales  
tax est see Q-  
62047. We can true  
up on final invoice  
for TX if preferred.  
**Amount:** \$44,521.39

**Component Description:** KTIV - GATES -  
MAIN - SALES TAX  
AT 7 PERCENT  
WAS DUE AND  
PAID.  
**Amount:** \$101,177.09

**Component Description:** KTIV-GATES-MAIN-  
TX-SALES TAX  
2ND INV -  
TE10004376-2- 6-  
13- ZEROED OUT  
PER RFAS 5-21  
**Amount:** N/A

**Component Description:** KTIV-GATES-MAIN-  
TX-SALES TAX  
1ST INV -  
TE10004376 - -6-13-  
PER 5-21-RFAS-  
REMOVED EST  
TAX  
**Amount:** N/A

Freight - MFG	<p><b>Component Description:</b> 7-26-18 - ELIMINATING THE EST TAX FOR THIS SUBMITTAL.</p> <p><b>Amount:</b> N/A</p> <p><b>Component Description:</b> KTIV - US0320883 - freight to ship equipment to site.</p> <p><b>Amount:</b> \$13,000.00</p>
Disconnect existing Transmitter	<p><b>Component Description:</b> KTIV- QCOMM- DECOMM - TRANSMITTER - INV Q19-013</p> <p><b>Amount:</b> \$23,500.00</p>
Security System	<p><b>Component Description:</b> security camera system. KTIV - Schramm - INV 3141 PO 20609</p> <p><b>Amount:</b> \$4,761.50</p>
DTVI TS Converter	<p><b>Component Description:</b> Purchase of TS Converter with web interface</p> <p><b>Amount:</b> \$3,719.00</p>
TX Install Parts	<p><b>Component Description:</b> Adapters, Flange, Pipe hangers to install tx. US0320883 - PO 19965 - change order 79109 and 79109-1</p> <p><b>Amount:</b> \$20,847.29</p>

Switch Installation	<p><b>Component Description:</b> Switch install - QComm - INV QC18-062</p> <p><b>Amount:</b> \$12,000.00</p>
Channel 14 remediation	<p><b>Component Description:</b> KTIV- RF NOTIF - LAND MOBILE - INV 1015</p> <p><b>Amount:</b> \$5,000.00</p>
	<p><b>Component Description:</b> KTIV-RF NOTE- INV 1015-CH14 FCC REQUIRES LM NOTIFICATION- LAST PAGE HAS QUOTE WITH PO 20008 THAT CLEARLY SHOWS TWO 5000 PAYMENTS FOR THIS SERVICE THAT HAS BEEN FULLY EARNED</p> <p><b>Amount:</b> \$5,000.00</p>
	<p><b>Component Description:</b> KTIV-RF NOTIFICATIONS - CH14 LM NOTICES - INV 1005 - QUOTE AND VERIFIED- RESUB 3-7-19-3-21-date change</p> <p><b>Amount:</b> \$5,000.00</p>

	<p><b>Component Description:</b> KTIV - RF NOTIFICATIONS - CH14 LM NOTICES - QUOTE AND VERIFIED -RESUB 3-7-19</p> <p><b>Amount:</b> \$5,000.00</p> <p><b>Component Description:</b> KTIV-RF NOTE- CH14 REQUIRES LM NOTIFICATION- LAST PAGE HAS QUOTE WITH PO 20008 THAT CLEARLY SHOWS TWO 5000 PAYMENTS FOR THIS SERVICE THAT HAS BEEN FULLY EARNED</p> <p><b>Amount:</b> \$5,000.00</p> <p><b>Component Description:</b> KTIV-RF NOTIF - LAND MOBILE INV 1005</p> <p><b>Amount:</b> \$5,000.00</p>
Transmitter Site Preparation	<p><b>Component Description:</b> KTIV-PREP- MAIN- INV- QC18-057</p> <p><b>Amount:</b> \$10,500.00</p>
Demo Conduit and Wire	<p><b>Component Description:</b> KTIV - Schramm - demo non-utilized conduits - INV 3063 - PO 20637</p> <p><b>Amount:</b> \$716.90</p>

Site Survey - TX	<p><b>Component Description:</b> KTIV - SURVEY - INV-QC18-025</p> <p><b>Amount:</b> \$18,500.00</p>
Security - Site	Information not provided.
Transmitter - Training	Information not provided.
Install new circuit for Air load 3.	<p><b>Component Description:</b> KTIV - Schramm - circuit - INV 3093 - PO 20637</p> <p><b>Amount:</b> \$374.50</p> <p><b>Component Description:</b> Corrected KTIV - Schramm - Elect - INV 3093</p> <p><b>Amount:</b> \$374.50</p>

RF Accessories-other	<p><b>Component Description:</b> KTIV-GATES-RF ACCESS-INV TE10004376 - LINE C - RESUBMITTED 7-27</p> <p><b>Amount:</b> \$29,774.97</p> <p><b>Component Description:</b> KTIV-Gates-INV TE10004376-2- LINE C. RF Accessories per Q- 62047 - 2nd 1/3 payment OF -72</p> <p><b>Amount:</b> \$29,774.97</p> <p><b>Component Description:</b> KTIV- GATES MAIN - 3RD INV TE10004376-3 LINE C UPGRADE ONLY - ROUNDING DOWN ERROR OF 1 CENT FOR LINE C DUE TO ONE THIRD CALCULATION</p> <p><b>Amount:</b> \$29,774.96</p>
Additional field engineering time, 10-30 days	Information not provided.
Channel 14 Mask Filter	Information not provided.
RF Consulting Engineer	Information not provided.

<p>25 Ton system</p>	<p><b>Component Description:</b> HVAC Elect - demo, install conduit, install wire, fuses, terminate and test. Schramm INV 3157</p> <p><b>Amount:</b> \$2,081.15</p> <p><b>Component Description:</b> KTIV - CW Suter - HVAC system - INV Jc6294 - PO 20546. NOTE: system does not allow for an "&amp;" in the Vendor Name. Vendor name is actually CW Suter &amp; Son, Inc. "And" is used in place of "&amp;".</p> <p><b>Amount:</b> \$40,480.00</p>
<p>2" Rigid Conduit and Wiring (Cost per foot)</p>	<p><b>Component Description:</b> KTIV- SCHRAMM ELEC -CONDUIT- INV 3010- QUOTE ADDED</p> <p><b>Amount:</b> \$1,599.65</p>

Transformer 3 phase/480v  
- 300 KVA

**Component Description:** Amount to return due to change order 79109 due to parts sourced locally. US0320883 - PO 19965, CO 79109. See attached cover letter matrix.  
**Amount:** (\$11,224.80)

**Component Description:** Gates- Main Tx - KTIV - Q-62047 - Line D  
**Amount:** \$4,332.94

**Component Description:** KTIV- Gates- Main Tx -Q-62047 - INV TE10004376-Line D RESUBMITTED 7-27  
**Amount:** \$4,332.94

**Component Description:** KTIV- Gates- Main Tx -Q-62047 - Line D - FOR -72 COST  
**Amount:** \$4,332.94

**Component Description:** KTIV-SCHRAMM-ELEC- TRANSFORMER- INV2739  
**Amount:** \$26,970.00

**Component Description:** KTIV - GATES MAIN - LINE D ELECTRIC - OPEN PER QUOTE  
**Amount:** \$4,069.74



Switchgear - industrial 800 amp	<p><b>Component Description:</b> KTIV-Gates- MAIN TX - RF - Q-62047 line C. 5-1 - ZEROED out and added to Line Item - RF Accessories- other</p> <p><b>Amount:</b> N/A</p> <p><b>Component Description:</b> KTIV-Gates- MAIN TX 1ST INV TE10004376-- RF - Q-62047 line C.- 6-13 ZEROED OUT AND MOVED TO RF COMP LINE ITEM</p> <p><b>Amount:</b> N/A</p> <p><b>Component Description:</b> Gates- MAIN TX - RF KTIV - Q-62047 line C.</p> <p><b>Amount:</b> \$27,813.58</p>
Service entrance 3 phase /800 amp/208 volt	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 62.9 kW	<p><b>Component Description:</b> 4th Invoice Main TX; KTIV - Gates - INV US0320883 - PO 19965 - Q-79109 - Q-79109-1</p> <p><b>Amount:</b> \$30,771.45</p>

Security - Site

**Component Description:** KTIV-SECURITY-6  
/10-6/23-ON SITE-  
INV-23878  
**Amount:** \$4,519.68

**Component Description:** KTIV- SECURITY -  
INV 23976- 111-20  
THIS 1 OF 4 INV. 2  
AND 3 PAID 4TH  
UPLOADED 12-21-  
ADDED EMAIL  
DETAILS OF HRS  
AND PO MATRIX-  
RESUB-3-7-19-  
DATES  
CORRECTED  
**Amount:** \$6,779.52

**Component Description:** KTIV-SECURITY-5  
/31-6/9 ON SITE  
INV23792  
**Amount:** \$2,942.50

**Component Description:** KTIV- LAST OF 4  
INVOICES FOR  
SITE SECURITY  
KTIV-KMEG KPTH -  
12-21- NO  
FURTHER INFO.  
LAST INV FOR 60  
HRS FOR PERIOD  
OF 7-8 TO 7-21 AT  
22 DOLLARS PER  
HR PER LAST  
PAGE OF QUOTE  
AND PO  
**Amount:** \$1,412.40

UHF - Liquid Cooled Solid  
State Transmitter 52 - 61  
kW

**Component Description:** Remaining amount for Line E. INV US0320883; PO 19965. See cover letter for further explanation.

**Amount:** N/A

**Component Description:** KTIV-GATES-MAIN TX -1ST- INVOICE TE10004376-per Q-62047 lines A, B and E RESUBMITTED 7-27

**Amount:** \$447,687.75

**Component Description:** MAIN TX DEPOSIT INVOICE KTIV per Q-62047 lines A, B and E

**Amount:** \$603,873.41

**Component Description:** KTIV- GATES MAIN- 3RD INV TE10004376-3- SEE MATRIX - LINE A AND B- UPGRADE ONLY - SEE NOTES 5-29 FCC EMAIL

**Amount:** \$416,916.32

**Component Description:** KTIV-GATES-MAIN TX -2ND- INVOICE TE10004376-2 per Q-62047 lines A, B and E- PER 7-20-18 RFAS- ROUNDED UP 1 CENT.

**Amount:** \$447,687.76

**Component Description:**

KTIV- QCOMM -  
INSTALLATION -  
PROOF CH14  
TURN UP  
SUPPORT INV  
QC19-003  
\$10,000.00

**Amount:**

**Cost Information**

**Antennas**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Antenna TFU-24WB-1-R</b>	<b>\$111,130.00</b>	<b>\$106,200.00</b>		<b>\$29,541.56</b>	
SWEEP NEW LINE AND ANTENNA	<i>\$6,500.00</i>	\$6,500.00	SWEEP FINAL CONFIGURATION OF INTERIM ANTENNA AND LINE BEFORE TURN UP.	N/A	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,300.00	This cost will be shared with KPTH and KTIV, and KPTH is purchasing this equipment.	\$11,141.56	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	each station requires a combiner to make the interim shared line and antenna work.	\$12,000.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 300 kW input, directional,, elliptically or circularly polarized	<i>\$0.00</i>	\$0.00	Cost of antenna is included in the KPTH deal. Shared with KTIV, KPTH and KMEG.	N/A	N/A

<b>Primary Antenna TFU-31ETT</b>	<b>\$366,766.88</b>	<b>\$350,450.48</b>		<b>\$336,885.05</b>	
SWEEP NEW ANTENNA AND LINE	<i>\$10,500.00</i>	\$10,500.00	SWEEP FINAL CONFIGURATION OF INTERIM ANTENNA AND LINE BEFORE TURN UP. MAY REQUIRE MULTIPLE SWEEPS.	\$4,750.00	N/A
FREIGHT EQUIPMENT	<i>\$41,363.34</i>	\$41,363.34	Actual freight costs for antenna /line FOR THE INTERIM AND MAIN NEW SYSTEM FROM MFG TO STORAGE OR STAGING AREA.	\$41,363.34	N/A
Elbow complex, broadband, at antenna input, per 6 1 /8. feedline (if needed)	\$13,700.00	\$25,725.60	Per invoice actual costs.	\$26,499.42	Per actual costs of invoice
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$261,488.00	Verified amount 10-12-17 - the change in antenna from the preliminary model does not affect the verified amount. 4 /28/20 Increased to \$251,608 due to actual costs of invoices.	\$257,698.75	N/A

Combiner Tee	<b>\$4,973.54</b>	\$4,973.54	Combiner Tee - Dielectric INV 925006 - Quote 1932826	\$173.54	N/A
<b>Sub-total</b>	\$477,896.88	\$456,650.48	N/A	\$366,426.61	N/A
<b>Total for all systems</b>	\$6,453,508.22	\$5,662,809.39	N/A	\$4,023,613.77	N/A

## Components

Actual Information	
Description	File Name
SWEEP NEW LINE AND ANTENNA	Information not provided.
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	<p><b>Component Description:</b> KTIV- DIE - INTERIM ELBOW COMPLEX PARTS - INV 277011</p> <p><b>Amount:</b> \$9,000.00</p> <p><b>Component Description:</b> KTIV- INTERIM ANT LINE REDUCER CONNECTION - PART PLUS FREIGHT - NOT QUOTED.</p> <p><b>Amount:</b> \$2,141.56</p>
New combiner, cost per channel (without antenna)	<p><b>Component Description:</b> KTIV-QCOMM-COMBINER INSTALLATION FOR INTERIM OPERATIONS INV QC19-006</p> <p><b>Amount:</b> \$12,000.00</p>

Sweep test of existing antenna	<p><b>Component Description:</b> KTIV- DIE - SWEEP INT ANT - INV 323009</p> <p><b>Amount:</b> \$6,400.00</p>
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 300 kW input, directional,, elliptically or circularly polarized	Information not provided.
SWEEP NEW ANTENNA AND LINE	<p><b>Component Description:</b> KTIV- RUCK - MAIN LINE AND ANT SWEEP FOR TURN UP ON CH14 - INV 1801294</p> <p><b>Amount:</b> \$4,750.00</p>



FREIGHT EQUIPMENT

**Component Description:** Freight Antenna - Dielectric - INV 289002  
**Amount:** \$28,514.80

**Component Description:** KTIV- DIE FREIGHT FOR MAIN LINE PARTS INV 242028  
**Amount:** \$420.07

**Component Description:** KTIV-MAIN ANT - FREIGHT- INV- 162009  
**Amount:** \$11,378.83

**Component Description:** KTIV-DIE- FREIGHT - INTERIM ELBOX COMPLEX INV 277011  
**Amount:** \$1,049.64

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)

**Component Description:** Remaining elbow complex - Dielectric INV 139009  
**Amount:** \$1,745.55

**Component Description:** ELBOW - DEPOSIT 10% - LINE 4  
**Amount:** \$925.50

**Component Description:** ELBOW - 35% - LINE 4.  
**Amount:** \$3,239.25

**Component Description:** KTIV-DIE-MAIN-  
2ND 45PERCENT -  
INV MAN00247  
LINE 4. Order Conf  
- 402001  
**Amount:** \$4,835.70

**Component Description:** Line 4 Elbow - INV  
139009 - sales  
order 402001  
**Amount:** \$971.73

**Component Description:** KTIV-DIE-ELBOW -  
2ND 45% - LINE 4.  
3-29-uploaded  
Order Conf. 402001  
- Line 26 is V-POL  
upgrade not billed  
to FCC  
**Amount:** \$4,835.70

**Component Description:** ERI - Includes  
sales tax and  
freight not  
estimated on  
original quote. INV  
52309; PO 20475  
**Amount:** \$15,753.42

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Sweep test of existing antenna

**Component Description:** Reconciliation - total amount for sweep will be requested with Dielectric inv 331017.  
**Amount:** (\$5,760.00)

**Component Description:** KTIV-MAIN SWEEP- 2ND 45%-LINE 25.  
MAN00247  
**Amount:** \$2,880.00

**Component Description:** MAIN ANTENNA SWEEP- 35%-LINE 25.  
**Amount:** \$2,240.00

**Component Description:** MAIN ANTENNA - SWEEP TEST - DEPOSIT 10% - LINE 25  
**Amount:** \$640.00

**Component Description:** Sweep for antenna - Dielectric INV 331017  
**Amount:** \$6,400.00

**Component Description:** KTIV-DIE-MAIN- 2ND 45PERCENT - INV MAN00247 LINE 25. Order Conf - 402001.  
**Amount:** \$2,880.00

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized

**Component Description:** Storage at  
Dielectric -  
Dielectric - INV  
289002  
**Amount:** \$9,880.00

**Component Description:** Remaining antenna  
- Dielectric - INV  
139009  
**Amount:** \$24,781.87

**Component Description:** MAIN ANTENNA -  
DEPOSIT 10%  
LINES 1,2 AND 3.  
**Amount:** \$24,781.88

**Component Description:** KTIV-DIE-MAIN-  
2ND 45PERCENT -  
INV MAN00247  
LINES 1,2 AND 3.  
Order Conf -  
402001. V-POL  
upgrade is line 26  
not billed to FCC.  
INV LESS  
18,765.00  
UPGRADE -  
amended 399  
Antenna model  
**Amount:** \$111,518.44

**Component Description:** Revised. Line 1 -  
Antenna. INV  
139009. Sales  
order 402001  
**Amount:** \$16,608.00

**Component Description:** MAIN-ANTENNA-  
35% 11/1- LINES  
1,2 AND 3.  
**Amount:** \$86,736.56

**Component Description:**

KTIV-DIE-MAIN-  
2ND 45PERCENT -  
INV MAN00247  
LINES 1,2 AND 3.  
3-29-Uploaded  
Order Conf -  
40200. V-POL  
upgrade is line not  
billed to FCC.

**Amount:**

\$111,518.44

Combiner Tee

**Component Description:**

Freight for  
combiner tee -  
Dielectric INV  
925006

**Amount:**

\$173.54

**Cost Information**

**Transmission Line**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Primary Transmission Line</b>	<b>\$635,600.00</b>	<b>\$605,640.00</b>		<b>\$587,054.52</b>	
Disconnect existing Interior RF components	<i>\$15,000.00</i>	\$15,000.00	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.	\$15,000.00	N/A
Rigid Transmission Line - copper, 7 3 /16"	\$620,600.00	\$590,640.00	N/A	\$572,054.52	Per actual costs from Dielectric and Gates Air for transmission line, parts and freight.
<b>Sub-total</b>	<b>\$635,600.00</b>	<b>\$605,640.00</b>	N/A	<b>\$587,054.52</b>	N/A
<b>Total for all systems</b>	<b>\$6,453,508.22</b>	<b>\$5,662,809.39</b>	N/A	<b>\$4,023,613.77</b>	N/A

**Components**

Actual Information Description	File Name
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Disconnect existing Interior RF components	<b>Component Description:</b>	KTIV-QCOMM DECOMM - RF COMPONENTS INV QC19-013
	<b>Amount:</b>	\$15,000.00
Rigid Transmission Line - copper, 7 3/16"	<b>Component Description:</b>	Transmission line DAC - Dielectric INV 627011
	<b>Amount:</b>	\$34,265.00
	<b>Component Description:</b>	cut pieces and freight - Dielectric - INV 289002
	<b>Amount:</b>	\$12,377.67
	<b>Component Description:</b>	remaining line of \$41,771.70 less prepayment amounts of \$2241 and \$946.69 for cut pieces - Dielectric INV 139009
	<b>Amount:</b>	\$38,584.01
	<b>Component Description:</b>	Freight for line 50 - SO 402001 - Dielectric INV 628008
	<b>Amount:</b>	\$1,060.46
	<b>Component Description:</b>	Cut pieces & freight - Dielectric - INV 187002
	<b>Amount:</b>	\$5,618.15

**Component Description:** Freight for cut pieces - Dielectric - INV 181011  
**Amount:** \$967.05

**Component Description:** Dielectric - T/L, elbow - INV 317001 - PO 19938  
**Amount:** \$7,605.00

**Component Description:** Dielectric - T/L, freight - INV 318006, PO 19938  
**Amount:** \$11,649.86

**Component Description:** KTIV- DIE -LINE PARTS FOR MAIN ANTENNA - INV 242008 PO 20350  
**Amount:** \$163.00

**Component Description:** Revised invoice 277013. See attached order confirmation 402001  
**Amount:** \$4,939.69

**Component Description:** Tx Line, parts and freight ordered from Gates - INV US0319466  
**Amount:** \$27,006.98

**Component Description:** TX LINE - MAIN - 35% -11/1 LINE 5.  
**Amount:** \$163,630.95



**Component Description:** KTIV- DIE - MAIN  
LINE PARTS INV  
242048 INV 2 OF  
PO 20350  
**Amount:** \$1,300.00

**Component Description:** KTIV- DIE LINE  
PARTS FOR MAIN  
INV 252015  
QUOTE 1696618  
**Amount:** \$3,500.00

**Component Description:** Line 5 - sales order  
402001 - INV  
139009  
**Amount:** \$41,771.70

**Component Description:** Freight for parts on  
INV 242048 -  
Dielectric INV  
252021  
**Amount:** \$125.12

**Component Description:** Freight for lines  
44&45, cut line  
pieces - freight for  
Line 48 on order  
conf 402001. INV  
318006  
**Amount:** \$11,649.86

**Component Description:** Elbow and cut line.  
Revised Dielectric  
invoice 317001 with  
cover sheet  
**Amount:** \$7,605.00

**Component Description:** KTIV - Dielectric - T  
/L length - INV  
187002 - PO 19938  
**Amount:** \$5,618.15

**Component Description:** Dielectric - T/L,  
xfmr, freight - INV  
277013 - PO 19938  
**Amount:** \$4,939.69

**Component Description:** MAIN-TX LINE-  
10% LINE 5.  
**Amount:** \$46,751.70

**Component Description:** KTIV-DIE-ANT  
LINE - 2ND 45%  
INV MAN00247 -  
LINES 5,30 AND 31  
**Amount:** \$213,570.34

**Component Description:** KTIV-DIE-MAIN-  
2ND 45PERCENT -  
INV MAN00247  
LINES 5,30 AND  
31. Order Conf -  
402001.  
**Amount:** \$213,570.34

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**Cost Information**

**Tower Equipment and Rigging Costs**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Primary Tower TOWER</b>	<b>\$862,000.00</b>	<b>\$819,000.00</b>		<b>\$231,597.11</b>	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	N/A	\$231,597.11	N/A
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$19,000.00	N/A	\$0.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$862,000.00</b>	<b>\$819,000.00</b>	<b>N/A</b>	<b>\$231,597.11</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$6,453,508.22</b>	<b>\$5,662,809.39</b>	<b>N/A</b>	<b>\$4,023,613.77</b>	<b>N/A</b>

**Components**

Actual Information	
Description	File Name
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	

**Component Description:** Additional tower work - PCI - INV 7460  
**Amount:** \$6,420.00

**Component Description:** Addendum to proposal 17616-5; PO 20012 - weather days, work outside scope & equipment - INV 7857  
**Amount:** \$19,848.50

**Component Description:** KTIV- PCI - ANT INSTALL - ACCEPTANCE INV - 7473  
**Amount:** \$53,917.30

**Component Description:** Revised KTIV - PCI - 3 weather days - INV 7440 - PO 20012. T&C 2 (a)  
**Amount:** \$12,840.00

**Component Description:** Addendum 2 to Prop 17616-5 - PCI - INV 7881  
**Amount:** \$30,726.01

**Component Description:** KTIV - PCI - additional weather days and work outside of scope of Prop 17616-5. See attached addendum  
**Amount:** \$19,848.50

	<p><b>Component Description:</b> Final invoice on PO 20012; Tower work; INV 7573; PO 20012. Amount includes taxes not calculated on original PO.</p> <p><b>Amount:</b> \$53,928.00</p> <p><b>Component Description:</b> KTIV-TOWER CREW ARRIVAL 5-2-18- AT SITE INV. 7241</p> <p><b>Amount:</b> \$53,917.30</p>
Structural engineering tower load study for a documented tower with candelabra	Information not provided.
Major tower reinforcement /modifications	Information not provided.

**Cost Information**

**Outside Professional Services**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Justification
<b>Outside Professional Services</b>	<b>\$484,358.28</b>	<b>\$464,558.28</b>		<b>\$342,930.39</b>	
Combiner Sweep	<i>\$7,293.60</i>	\$7,293.60	Consultant onsite for combiner sweep - Dielectric INV 564027, PO 20387	\$7,293.60	
Vendor Travel Expenses	<i>\$21,485.00</i>	\$21,485.00	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses. Q-17002-3-8-19 MINUS 480.00 TO OFFSET QC18-018 BEING CHARGED TO PM.	\$18,978.61	4-2-u revise QC17 corre
Quarterly reporting	<i>\$5,000.00</i>	\$5,000.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A	

Plumbing work for TX cooling systems	<b><i>\$33,384.00</i></b>	\$33,384.00	KTIV- Plumbing for cooling systems fro new transmitters both Interim and Main. per local contractor Quote attached to inv.	\$33,384.00	
General Repack Legal Services	<b><i>\$20,175.07</i></b>	\$20,175.07	memo-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399- 3-5-19 - legal services budget required additional funds to complete the PH 1 CH14 and shared facilities issues. Consolidate other open Legal billable line items.	\$20,175.07	Actual invoice
General Engineering Services	<b><i>\$450.00</i></b>	\$450.00	Per Actual costs	\$450.00	
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$14,720.00	\$14,000.00	N/A	N/A	
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	\$1,895.00	

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	per actual costs	\$4,901.00
Prepare request for Special Temporary Authorization	\$8,200.00	\$6,000.00	N/A	\$1,500.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$1,175.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,885.00



Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,400.00	NEW C 14 AN AND APPL REC MOR THE N AMO ATTI DUE MC INTERI IS:
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	
Project management of the transition	\$221,990.00	\$210,750.00	QC18-018-480.00 WAS NOT SPLIT OUT TO PM TRAVEL LINE ITEM CAUSING THE PM TOTAL TO BE OVER REPORTED BY 480.00 AND TRAVEL UNDERSTATED 480.00. WE WILL REDUCE TRAVEL BY THE SAME AMOUNT.	\$210,622.50	
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	

Electric work and materials for Interim and Main	<b>\$38,270.61</b>	\$38,270.61	***System Notice: Estimate adjusted and locked because line has been superseded. ***ELECTRICAL MATERIALS AND WORK FOR BOT INTERIM AND MAIN TRANSFORMER PER SCHRAMM QUOTE AND PO 20224.	\$38,270.61
<b>Sub-total</b>	\$484,358.28	\$464,558.28	N/A	\$342,930.39
<b>Total for all systems</b>	\$6,453,508.22	\$5,662,809.39	N/A	\$4,023,613.77

### Components

Actual Information	
Description	File Name
Combiner Sweep	<p><b>Component Description:</b> Combiner Sweep - Dielectric - INV 564027</p> <p><b>Amount:</b> \$7,293.60</p>

Vendor Travel Expenses	<p><b>Component Description:</b> KTIV-QCOMM-PM TRAVEL-AUG-NOV-18 -INV QC19-015</p> <p><b>Amount:</b> \$16,560.00</p> <p><b>Component Description:</b> KTIV-QCOMM-PM-Travel expenses INV -QC17-144-QUOTE QC17002 - RFAS DOES NOT AFFECT THIS ITEM</p> <p><b>Amount:</b> \$2,418.61</p>
Quarterly reporting	Information not provided.
Plumbing work for TX cooling systems	<p><b>Component Description:</b> KTIV- FOULK - PLUMBING INV 3802866 - PROGRESS PAYMENT</p> <p><b>Amount:</b> \$6,000.00</p> <p><b>Component Description:</b> Final invoice - plumbing work. Vendor name is Foulk Brothers Plumbing &amp; Heating; "and" was substituted for special character "&amp;". INV 382124</p> <p><b>Amount:</b> \$23,534.00</p> <p><b>Component Description:</b> KTIV- FOULK - PLUMBING INV 381368 - 2ND INV FOR PROGRESS PAYMENT</p> <p><b>Amount:</b> \$3,850.00</p>

General Repack Legal  
Services

<b>Component Description:</b>	KTIV-BROOKS- LEGAL AUG18 - INV 3957117
<b>Amount:</b>	\$2,161.50
<b>Component Description:</b>	Brooks-General- July 17 - inv 1/7th
<b>Amount:</b>	\$275.00
<b>Component Description:</b>	KTIV-BROOKS- LEGAL - OCT18 - INV 3959627
<b>Amount:</b>	\$1,914.00
<b>Component Description:</b>	Brooks-General- OCT17- inv 1/7th
<b>Amount:</b>	\$322.28
<b>Component Description:</b>	KTIV- BROOKS - MAR18- INV3951194
<b>Amount:</b>	\$148.50
<b>Component Description:</b>	KTIV - BROOKS - APRIL18- INV3952577
<b>Amount:</b>	\$330.00
<b>Component Description:</b>	General Repack Legal services for period ending March, 2018. \$28.29 is KTIV portion.
<b>Amount:</b>	\$28.29

**Component Description:** KTIV- BROOKS -  
MAY18 - INV  
3953757  
**Amount:** \$396.00

**Component Description:** Brooks-General  
Fee May-17-1/7th  
**Amount:** \$190.85

**Component Description:** KTIV-BROOKS-  
GEN LEGAL  
JULY17 INV  
3942230 -RESUB  
3-7-19-3-21  
ADDED GEN  
MEMO  
**Amount:** \$275.00

**Component Description:** Brooks-General-  
NOV17-inv 1/7th  
**Amount:** \$221.57

**Component Description:** Legal services for  
repack for period  
ending December  
2017  
**Amount:** \$658.00

**Component Description:** Brooks General -  
JUNE 17 -inv-1/7th  
INV 3941325 CL  
**Amount:** \$266.44

**Component Description:** KTIV-BROOKS  
GEN LEGAL  
MAY17-INV  
3940170 - RESUB  
3-7-19 - 3-21-  
ADDED GENERAL  
MEMO 11-17  
**Amount:** \$190.86

**Component Description:** KTIV-BROOKS -  
LEGAL DEC18 -  
INV 3960716  
**Amount:** \$6,637.50

**Component Description:** General Repack  
Legal Services for  
period ending April  
2018. \$28.28 is  
KTIV portion.  
**Amount:** \$28.28

**Component Description:** KTIV- BROOKS  
GEN LEGAL -  
JUNE17 - INV  
3941325 RESUB 3-  
7-19  
**Amount:** \$266.44

**Component Description:** KTIV-BROOKS -  
LEGAL DEC18 INV  
3961871  
**Amount:** \$247.50

**Component Description:** Revised - See  
Cover letter for  
explanation of  
breakdwon  
between stations.  
General Repack  
Legal Services for  
period ending  
January 2018

**Amount:** \$35.35

**Component Description:** KTIV - Brooks -  
Gen Legal May  
2020 - INV 3982753

**Amount:** \$52.00

**Component Description:** Brooks-General -  
Sept-17-INV 1/7th

**Amount:** \$80.57

**Component Description:** KTIV - Brooks -  
Legal for period  
ending Aug 31,  
2019 - INV 3970120

**Amount:** \$208.00

**Component Description:** Brooks-General -  
AUG 17 - inv 1/7th

**Amount:** \$117.85

**Component Description:** general legal  
period ending 1/31  
/2020. INV 3977751

**Amount:** \$52.00

**Component Description:** 10/28/19 KTIV-  
Brooks-Gen Legal  
Dec. '17, INV  
3947925 \$40.29 is  
KTIV portion  
**Amount:** \$40.29

**Component Description:** KTIV-BROOKS-  
LEGAL INV  
3949052 - JAN18  
**Amount:** \$49.50

**Component Description:** Gen Legal June  
2020 - INV 3984321  
**Amount:** \$79.50

**Component Description:** KTIV- BROOKS  
JULY18-LEGAL  
INV 3955730  
**Amount:** \$1,386.00

**Component Description:** KTIV-BROOKS-  
JUNE18-INV  
3954662  
**Amount:** \$99.00

**Component Description:** General Repack  
legal services for  
KTIV for period  
ending February,  
2018. \$28.29 KTIV  
portion. See  
attached cover  
sheet.  
**Amount:** \$28.29

**Component Description:** KTIV - BROOKS  
LEGAL SEPT18 -  
INV 3958277  
**Amount:** \$3,811.50



	<p><b>Component Description:</b> KTIV - LEGAL fees - FEB18 - INV 3950146 4-16- changed inv date</p> <p><b>Amount:</b> \$49.50</p>
	<p><b>Component Description:</b> KTIV Repack Legal Services; KTIV License</p> <p><b>Amount:</b> \$208.00</p>
	<p><b>Component Description:</b> KTIV Repack Legal Services; KTIV license</p> <p><b>Amount:</b> \$52.00</p>
General Engineering Services	<p><b>Component Description:</b> Engineering Support for reimbursement form cost estimate - Lohnes - INV 201707-0275-09- 66170</p> <p><b>Amount:</b> \$450.00</p>
Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	<p><b>Component Description:</b> CH 14 NEW FACILITY SHARED WITH KPTH AND KMEG</p> <p><b>Amount:</b> \$1,895.00</p>

<p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>														
<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="702 358 1133 481"> <p><b>Component Description:</b> <b>Amount:</b></p> </td> <td data-bbox="1133 358 1428 481"> <p>Brooks-KTIV-NOV17-legal-inv \$47.00</p> </td> </tr> <tr> <td data-bbox="702 582 1133 705"> <p><b>Component Description:</b> <b>Amount:</b></p> </td> <td data-bbox="1133 582 1428 705"> <p>ATTY - CP SEPT 17 FEES \$141.00</p> </td> </tr> <tr> <td data-bbox="702 806 1133 929"> <p><b>Component Description:</b> <b>Amount:</b></p> </td> <td data-bbox="1133 806 1428 929"> <p>ATTY FEES CP - AUG 17 KTIV \$2,820.00</p> </td> </tr> <tr> <td data-bbox="702 1030 1133 1153"> <p><b>Component Description:</b> <b>Amount:</b></p> </td> <td data-bbox="1133 1030 1428 1153"> <p>ATTY FEES CP - KTIV MAY17 \$752.00</p> </td> </tr> <tr> <td data-bbox="702 1254 1133 1377"> <p><b>Component Description:</b> <b>Amount:</b></p> </td> <td data-bbox="1133 1254 1428 1377"> <p>Brooks- Legal- KTIV-NOV17-inv \$329.00</p> </td> </tr> <tr> <td data-bbox="702 1478 1133 1601"> <p><b>Component Description:</b> <b>Amount:</b></p> </td> <td data-bbox="1133 1478 1428 1601"> <p>ATY FEES MAY 17 CP \$453.00</p> </td> </tr> <tr> <td data-bbox="702 1702 1133 1825"> <p><b>Component Description:</b> <b>Amount:</b></p> </td> <td data-bbox="1133 1702 1428 1825"> <p>ATTY FEES - KTIV - JUNE 17 CP \$359.00</p> </td> </tr> </table>	<p><b>Component Description:</b> <b>Amount:</b></p>	<p>Brooks-KTIV-NOV17-legal-inv \$47.00</p>	<p><b>Component Description:</b> <b>Amount:</b></p>	<p>ATTY - CP SEPT 17 FEES \$141.00</p>	<p><b>Component Description:</b> <b>Amount:</b></p>	<p>ATTY FEES CP - AUG 17 KTIV \$2,820.00</p>	<p><b>Component Description:</b> <b>Amount:</b></p>	<p>ATTY FEES CP - KTIV MAY17 \$752.00</p>	<p><b>Component Description:</b> <b>Amount:</b></p>	<p>Brooks- Legal- KTIV-NOV17-inv \$329.00</p>	<p><b>Component Description:</b> <b>Amount:</b></p>	<p>ATY FEES MAY 17 CP \$453.00</p>	<p><b>Component Description:</b> <b>Amount:</b></p>	<p>ATTY FEES - KTIV - JUNE 17 CP \$359.00</p>
<p><b>Component Description:</b> <b>Amount:</b></p>	<p>Brooks-KTIV-NOV17-legal-inv \$47.00</p>														
<p><b>Component Description:</b> <b>Amount:</b></p>	<p>ATTY - CP SEPT 17 FEES \$141.00</p>														
<p><b>Component Description:</b> <b>Amount:</b></p>	<p>ATTY FEES CP - AUG 17 KTIV \$2,820.00</p>														
<p><b>Component Description:</b> <b>Amount:</b></p>	<p>ATTY FEES CP - KTIV MAY17 \$752.00</p>														
<p><b>Component Description:</b> <b>Amount:</b></p>	<p>Brooks- Legal- KTIV-NOV17-inv \$329.00</p>														
<p><b>Component Description:</b> <b>Amount:</b></p>	<p>ATY FEES MAY 17 CP \$453.00</p>														
<p><b>Component Description:</b> <b>Amount:</b></p>	<p>ATTY FEES - KTIV - JUNE 17 CP \$359.00</p>														

<p>Prepare request for Special Temporary Authorization</p>	<p><b>Component Description:</b> KTIV-LOHNES-STA- INV 201809-0275-09-1 - 3-21 ADDED RATE SHEET</p> <p><b>Amount:</b> \$1,500.00</p>
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p><b>Component Description:</b> KTIV-LOHNES-FORM 2100-PREP- INV 201811-0275-09-1- 3-21 ADDED RATE SHEET</p> <p><b>Amount:</b> \$1,175.00</p>
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p><b>Component Description:</b> Vendor name: Lohnes &amp; Culver. Eng services: INV 201707-0275-09-66170</p> <p><b>Amount:</b> \$1,885.00</p> <p><b>Component Description:</b> ENGR - CP -</p> <p><b>Amount:</b> \$1,885.00</p>

<p>Perform engineering study for new channel assignment and antenna development</p>	<p><b>Component Description:</b> CP ALT CH ANALYSIS  <b>Amount:</b> \$5,210.00</p>
<p></p>	<p><b>Component Description:</b> KTIV - Lohnes - engineering - INV 201707-0275-09-66170  <b>Amount:</b> \$2,400.00</p>
<p></p>	<p><b>Component Description:</b> ENGR - NEW CHANNEL AND 399  <b>Amount:</b> \$2,850.00</p>
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>

Project management of the transition	<p><b>Component Description:</b> KTIV-QCOMM-PM 8-18-17- INV QC18-018</p> <p><b>Amount:</b> \$23,295.00</p>
	<p><b>Component Description:</b> KTIV- QCOMM-PM- APRIL-JULY18 - INV QC18-063 PO 19807-20391 ADDED CL</p> <p><b>Amount:</b> \$78,577.50</p>
	<p><b>Component Description:</b> KTIV- PM- 1 THRU 3-18 INV QC18-047</p> <p><b>Amount:</b> \$25,387.50</p>
	<p><b>Component Description:</b> KTIV-QCOMM-PM- INV QC17-144 - MAR THRU AUG17- QTE QC17002-RFAS INFO UPLOADED</p> <p><b>Amount:</b> \$24,187.50</p>
	<p><b>Component Description:</b> KTIV-QCOMM -PM AUG-NOV 18 - INV QC19-015</p> <p><b>Amount:</b> \$59,175.00</p>
Prepare and or review reimbursement form	Information not provided.

Electric work and materials  
for Interim and Main

**Component Description:** KTIV-SCHRAMM  
ELEC-INV2759  
**Amount:** \$16,657.23

**Component Description:** KTIV-SCHRAMM-  
ELEC-INV 2781 6-  
13-corrected \$  
**Amount:** \$21,613.38

**Cost Information**

**Other Expenses**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Other Expenses</b>	<b>\$64,223.67</b>	<b>\$63,658.67</b>		<b>\$15,552.63</b>	
Additional Insurance	<i>\$118.67</i>	\$118.67	Additional insurance costs to cover equipment in storage - Winters Insurance	\$118.67	N/A
SITE SAFETY AND CLEARING PREP	<i>\$3,500.00</i>	\$3,500.00	CLEAR THE CONTROLLED AREA AROUND THE TOWER OF BRUSH AND APPLY INSECTICIDE TO PREVENT ACCIDENTS AND PROMOTE A SAFE SITE AND MINIMIZING RISK.	\$0.00	N/A
Remove and Reinstall Fence	<i>\$525.00</i>	\$525.00	Costs to remove and reinstall a section of fence to accommodate the delivery of equipment.	\$525.00	N/A
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	Required FCC notifications.	N/A	N/A

Develop and air announcement of upcoming channel change	<b><i>\$15,000.00</i></b>	\$15,000.00	Required FCC announcements and good will public relations must we upheld. The production airing and disseminating of these announcements are fundamental to our operations.	N/A	N/A
Equipment Storage	<b><i>\$10,000.00</i></b>	\$10,000.00	Expecting multiple staggered equipment deliveries from different vendors and need to store and stage new equipment prior to installation date. Anticipate from 6-24 months of storage time.	\$0.00	N/A
Equipment Delivery and Handling Charges	<b><i>\$8,000.00</i></b>	\$8,000.00	Transport and handling fees from staging area to transmitter site.	\$7,685.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$2,950.00	N/A



FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<b><i>\$10,000.00</i></b>	\$10,000.00	Rent 40 yard dumpster with multiple pickups. Estimated 6-months on site. Potential hazardous waste management issues.	\$4,273.96	N/A
<b>Sub-total</b>	\$64,223.67	\$63,658.67	N/A	\$15,552.63	N/A
<b>Total for all systems</b>	\$6,453,508.22	\$5,662,809.39	N/A	\$4,023,613.77	N/A

### Components

Actual Information	
Description	File Name
Additional Insurance	<p><b>Component Description:</b> Additional insurance Costs - Winters - INV 99459</p> <p><b>Amount:</b> \$118.67</p>

<p>SITE SAFETY AND CLEARING PREP</p>	<p><b>Component Description:</b> Site Safety and Security - Jay Lan INV 09042018 - see cover letter</p> <p><b>Amount:</b> \$508.25</p> <p><b>Component Description:</b> Brush clearing and pest control for site safety &amp; security due to raccoon attack. See cover letter. Jay LAN - INV 07092018</p> <p><b>Amount:</b> \$2,006.25</p> <p><b>Component Description:</b> Site safety and security - see cover letter - Jay Lan - INV 08152018</p> <p><b>Amount:</b> \$214.00</p> <p><b>Component Description:</b> KTIV- SITE CLEARING-PEST- JAY LAN - INV NONE GIVEN - USING ACCOUNT NO. 5961</p> <p><b>Amount:</b> \$2,006.25</p>
<p>Remove and Reinstall Fence</p>	<p><b>Component Description:</b> Remove/reinstall fence (equip move) - American Fence - INV 23380</p> <p><b>Amount:</b> \$525.00</p>
<p>MVPD Notification of Channel Change</p>	<p>Information not provided.</p>
<p>Develop and air announcement of upcoming channel change</p>	<p>Information not provided.</p>

Equipment Storage	<p><b>Component Description:</b> KTIV-Storage inv- part of INV1002</p> <p><b>Amount:</b> \$3,600.00</p>
Equipment Delivery and Handling Charges	<p><b>Component Description:</b> Delivery from Elkhart, IN to Sioux City, IA - Casey's Garage - INV 1020</p> <p><b>Amount:</b> \$2,500.00</p> <p><b>Component Description:</b> Delivery of equipment via freight truck to KTIV - Casey's Garage - INV 1021</p> <p><b>Amount:</b> \$1,200.00</p> <p><b>Component Description:</b> KTIV- CASEYS- DELIVERY OF EQ FROM STORAGE STAGING FACILITY. INV 1020</p> <p><b>Amount:</b> \$2,500.00</p> <p><b>Component Description:</b> KTIV-BIG S - OFFLOAD TX LINE AND EQUIPMENT FROM DELIVERY TRUCK INV 12 - RESUB W QUOTE 3-7-19</p> <p><b>Amount:</b> \$840.00</p>

	<p><b>Component Description:</b> KTIV- CASEYS DELIVERY OF ADDITIONAL TX LINE FROM STORAGE STAGING FACILITY. 3-8-19 not reimbursable - removing request. zeroed out.</p> <p><b>Amount:</b> N/A</p> <p><b>Component Description:</b> Costs to unload equipment: loader and 3 men. KTIV - Big Sioux INV 108</p> <p><b>Amount:</b> \$850.00</p> <p><b>Component Description:</b> KTIV- BARHHART- LIFTING AND SETTING NEW CIF FILTER - PART OF MATERIAL HANDLING OF TX INSTALLATION COVERED UNDER GATES INSTALL.</p> <p><b>Amount:</b> INV 46410 \$2,295.00</p>
<p>FCC Filing Fees - Form 2100 license to cover application</p>	<p>Information not provided.</p>
<p>DTV Medical Facility Notification</p>	<p><b>Component Description:</b> KTIV-RF Notification-inv-1005</p> <p><b>Amount:</b> \$5,000.00</p> <p><b>Component Description:</b> KTIV-RF NOTIF-MED - INV 1029</p> <p><b>Amount:</b> \$2,950.00</p>

FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>Component Description:</b>	KTIV-LINDBLOM-DISPOSAL OCT18 - INV 87588
	<b>Amount:</b>	\$535.21
	<b>Component Description:</b>	KTIV-LINDBLOM - DISPOSAL JAN19 INV 89788
	<b>Amount:</b>	\$99.51
	<b>Component Description:</b>	KTIV-LINDBLOM - DISPOSAL JULY18 - INV 85311
	<b>Amount:</b>	\$343.04
	<b>Component Description:</b>	KTIV- LINDBLOM-DISPOSAL - AUG18 - INV 86175
	<b>Amount:</b>	\$688.87
	<b>Component Description:</b>	KTIV-LINDBLOM-DISPOSAL SEPT18 -INV 87293
	<b>Amount:</b>	\$96.30
	<b>Component Description:</b>	KTIV-LINDBLOM-ROLLOFF - MAY18 - INV 83469 -11-20- this is standard rate roll-off and no quote available- 12-21-ADDED EMAIL RATE SHEET FROM LINDBLOM
	<b>Amount:</b>	\$374.25

**Component Description:** KTIV- BIG S  
DISPOSAL AND  
MATERIAL  
HANDLING - INV 8  
- 3-7- ADDED  
QUOTE  
**Amount:** \$1,165.00

**Component Description:** KTIV-LINDBLOM-  
DISPOSAL FEB19  
INV 89883  
**Amount:** \$224.49

**Component Description:** KTIV- LINDBLOM -  
ROLLOFF MAY18 -  
INV 84872- 11-20  
stand roll off price  
no quote. 12-21-  
ADDED EMAIL  
RATES FROM  
LINDBLOM  
**Amount:** \$96.30

**Component Description:** KTIV-LINDBLOM-  
DISPOSAL DEC18 -  
INV 89278  
**Amount:** \$69.55

**Component Description:** KTIV-LINDBLOM-  
DISPOSAL NOV18  
INV 88375  
**Amount:** \$292.54

**Component Description:** KTIV -LINDBLOM-  
DISPOSAL NOV18  
2ND BOX- 1ST  
RELEASED 11-9  
INV 88276 - LATE  
FEE DEDUCTED 5  
DOLLARS  
**Amount:** \$288.90



**Cost Information** **Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$6,453,508.22	\$5,662,809.39	\$4,023,613.77

**Reimbursement Status**

<b>Question</b>	<b>Response</b>
The facility has ceased operating on its pre-auction channel.	Yes
Construction of final facilities or all necessary modifications are complete.	No
All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No



Certification	Section	Question	Response
	<b>Submission of Estimated Expenses Statements</b>	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> </ol>	

- 4.** The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 5.** The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6.** The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7.** The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**BRADY  
DREASLER**  
*CORPORATE  
DIRECTOR  
OF  
ENGINEERING*

12/15/2020

Certification	Section	Question	Response
	<p><b>Submission of Actual Cost Documentation Statements</b></p>	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**BRADY  
DREASLER**  
*CORPORATE  
DIRECTOR  
OF  
ENGINEERING*

12/15/2020

## Attachments