



(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: **0018223693** | Date **11/10**  
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
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<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
New Transmitter	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
Electrical Service	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>Security System</b>	Installed conduit as required for security camera system.
<b>TX Install Parts</b>	Adapters, flange, pipe hangers
<b>DTV I TS Converter</b>	DTV I TS Converter with Web Interface
<b>Transmitter Site Preparation</b>	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.
<b>ELECTRICAL EQ INSTALLATION</b>	INT AND MAIN TX REQUIRE NEW ELECTRICAL SYSTEMS INSTALLATIONS

<b>Switch Installation</b>	Install the additional RF switch to operate the interim and main antenna - not covered under Gates scope of work
<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>Freight - MFG</b>	Freight- from MFG to staging area or station
<b>Disconnect existing Transmitter</b>	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
<b>Sales Tax - Non Exempt -IA</b>	KTIV is not tax exempt from Iowa Sales tax - Gates calculates
<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 - Training</b>	Transmitter training - offsite - 1 week in duration at mfg site.
<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>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.

**Interim  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
New Transmitter	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
Electrical Service	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
<b>Transmitter Site Preparation</b>	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.



<b>Sales Tax est</b>	IA sales tax est per mfg
<b>Freight - TX eq</b>	Freight from the mfg to stations TX site.

**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>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
SWEEP NEW LINE AND ANTENNA	SWEEP NEW ANTENNA AND LINE

**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
Engineering Study	Please what type of engineering study is required, if any:	Study needed for tower with candelabra
Tower Reinforcements	Please select whether tower reinforcements are needed:	Major Reinforcements needed

## Primary Tower

### Tower Rigging Costs

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**  
Information not provided.



**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	1405
	Explanation	Scope & 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.
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	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**

Name	Description
<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
Interim Transmitter ULXTE-30	\$1,029,337.90	\$980,937.90		\$645,365.43	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$650,000.00	N/A	\$554,212.02	
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$2,382.41	
Sales Tax est	<i>\$41,737.90</i>	\$41,737.90	as determined by GatesAir in the invoice	\$43,305.57	Actual per
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	
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>
Transmitter - Training	<b>\$3,300.00</b>	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A
Demo Conduit and Wire	<b>\$716.90</b>	\$716.90	Costs to demo non-utilized conduit and wire to old transmitter and equipment.	\$716.90
Site Survey - TX	<b>\$25,000.00</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
Transmitter Site Preparation	<b>\$10,500.00</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
DTVI TS Converter	<b>\$3,719.00</b>	\$3,719.00	DTVI TS Converter with Web Interface including freight, handling and sales tax.	\$0.00
TX Install Parts	<b>\$20,847.29</b>	\$20,847.29	Costs per actual invoice. Gates invoice US0320883; change orders 79109 and 79109-1.	\$20,847.29

Security System	<b>\$4,761.50</b>	\$4,761.50	Security system to be replaced due to repack. Costs per actual invoice.	\$4,761.50
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
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
ELECTRICAL EQ INSTALLATION	<b>\$99,000.00</b>	\$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



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
2" Rigid Conduit and Wiring (Cost per foot)	\$13,000.00	\$12,500.00	N/A	\$1,599.65	
Switch Installation	<b>\$12,000.00</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	
Security - Site	<b>\$0.00</b>	\$0.00	Duplicate. Tool added this component erroneously	\$0.00	
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	
Install new circuit for Air load 3.	<b>\$374.50</b>	\$374.50	Costs to pull new 208v circuit for air load #3. Cost per actual invoice.	\$374.50	

RF Accessories- other	<b>\$89,324.90</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
Freight - MFG	<b>\$17,300.00</b>	\$17,300.00	Freight- from MFG to staging area or station	\$13,000.00
Channel 14 remediation	<b>\$25,000.00</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
UHF - Liquid Cooled Solid State Transmitter 62.9 kW	<b>\$30,771.45</b>	\$30,771.45	N/A	\$30,771.45
Disconnect existing Transmitter	<b>\$25,000.00</b>	\$25,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	\$23,500.00
Sales Tax - Non Exempt -IA	<b>\$133,564.18</b>	\$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

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
Service entrance 3 phase/800 amp /208 volt	\$14,400.00	\$13,700.00	N/A	N/A
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>	\$3,785,931.72	\$3,111,704.29	N/A	\$2,480,052.51
<b>Total for all systems</b>	\$6,339,673.67	\$5,539,094.84	N/A	\$3,866,066.13

## Components

Actual Information	
Description	File Name

UHF - Liquid Cooled Solid  
State Transmitter 14.2 -  
20 kW

**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:**

KTIV-Gates-INT TX  
- BALANCE INV  
TE10004377-3-  
LINES A, B and E -  
of quote Q-62042

**Amount:**

\$181,883.52

**Component Description:**

Mask filter change:  
8 pole filter to a  
special 6-pole filter -  
Gates INV  
US0316385

**Amount:**

\$19,990.36

**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

Switchgear - industrial 800  
amp

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

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

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

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

Sales Tax est	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> KTIV- GATES-INT  TX - Sales tax  PORTION OF  TE10004377-3  \$13,622.97 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> sales tax for mask  filter - Gates INV  US0316385  \$1,399.33 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> Remaining sales tax  on order.  \$14,370.63 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> 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  \$13,912.64 </div> </div>
25 Ton system	Information not provided.
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Freight - TX eq	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> KTIV-GATES-INT  INV TE10004337-3  - FREIGHT  \$7,700.00 </div> </div>
Transmitter Site Preparation	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> KTIV-PREP-  INTERIM - INV-  QC18-057  \$5,000.00 </div> </div>

UHF inside RF system including switching	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Gates- INT TX - RF  - KTIV - Line C -  INV TE10004377-3  Q-62042-76148-  ENGR CHANGED  RF UNIT  \$10,921.81 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Gates- INT TX - RF  - KTIV - Line C - for  2nd inv from Quote  - Q-62042 uploaded  \$10,921.81 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Gates- INT TX - RF  - KTIV - Line C  \$10,921.81 </div> </div>
Transmitter - Training	Information not provided.
Demo Conduit and Wire	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> KTIV - Schramm -  demo non-utilized  conduits - INV 3063  - PO 20637  \$716.90 </div> </div>
Site Survey - TX	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> KTIV - SURVEY -  INV-QC18-025  \$18,500.00 </div> </div>
Transmitter Site Preparation	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> KTIV-PREP- MAIN-  INV- QC18-057  \$10,500.00 </div> </div>

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>
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>
Additional field engineering time, 10-30 days	Information not provided.
Channel 14 Mask Filter	Information not provided.
RF Consulting Engineer	Information not provided.



Transformer 3 phase/480v  
- 300 KVA

**Component Description:** KTIV-SCHRAMM-ELEC-TRANSFORMER-INV2739

**Amount:** \$26,970.00

**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 - GATES MAIN - LINE D ELECTRIC - OPEN PER QUOTE

**Amount:** \$4,069.74

ELECTRICAL EQ  
INSTALLATION

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

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

**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 2873  
**Amount:** \$21,044.10

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

Switchgear - industrial 800 amp	<div> <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 </div> <div> <b>Amount:</b> N/A </div>
	<div> <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 </div> <div> <b>Amount:</b> N/A </div>
	<div> <b>Component Description:</b> Gates- MAIN TX - RF KTIV - Q-62047 line C. </div> <div> <b>Amount:</b> \$27,813.58 </div>
2" Rigid Conduit and Wiring (Cost per foot)	<div> <b>Component Description:</b> KTIV- SCHRAMM ELEC -CONDUIT- INV 3010- QUOTE ADDED </div> <div> <b>Amount:</b> \$1,599.65 </div>
Switch Installation	<div> <b>Component Description:</b> Switch install - QComm - INV QC18-062 </div> <div> <b>Amount:</b> \$12,000.00 </div>
Security - Site	Information not provided.

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Securirty - Site

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

**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- 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

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<p>Install new circuit for Air load 3.</p>	<table> <tr> <td data-bbox="692 174 1007 210"><b>Component Description:</b></td><td data-bbox="1137 174 1350 286">Corrected KTIV - Schramm - Elect - INV 3093</td></tr> <tr> <td data-bbox="692 297 807 333"><b>Amount:</b></td><td data-bbox="1137 297 1235 333">\$374.50</td></tr> <tr> <td data-bbox="692 434 1007 470"><b>Component Description:</b></td><td data-bbox="1137 434 1350 546">KTIV - Schramm - circuit - INV 3093 - PO 20637</td></tr> <tr> <td data-bbox="692 557 807 593"><b>Amount:</b></td><td data-bbox="1137 557 1235 593">\$374.50</td></tr> </table>	<b>Component Description:</b>	Corrected KTIV - Schramm - Elect - INV 3093	<b>Amount:</b>	\$374.50	<b>Component Description:</b>	KTIV - Schramm - circuit - INV 3093 - PO 20637	<b>Amount:</b>	\$374.50				
<b>Component Description:</b>	Corrected KTIV - Schramm - Elect - INV 3093												
<b>Amount:</b>	\$374.50												
<b>Component Description:</b>	KTIV - Schramm - circuit - INV 3093 - PO 20637												
<b>Amount:</b>	\$374.50												
<p>RF Accessories-other</p>	<table> <tr> <td data-bbox="692 725 1007 761"><b>Component Description:</b></td><td data-bbox="1137 725 1362 958">KTIV-Gates-INV TE10004376-2- LINE C. RF Accessories per Q-62047 - 2nd 1/3 payment OF -72</td></tr> <tr> <td data-bbox="692 969 807 1005"><b>Amount:</b></td><td data-bbox="1137 969 1270 1005">\$29,774.97</td></tr> <tr> <td data-bbox="692 1106 1007 1142"><b>Component Description:</b></td><td data-bbox="1137 1106 1374 1496">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</td></tr> <tr> <td data-bbox="692 1507 807 1543"><b>Amount:</b></td><td data-bbox="1137 1507 1270 1543">\$29,774.96</td></tr> <tr> <td data-bbox="692 1644 1007 1680"><b>Component Description:</b></td><td data-bbox="1137 1644 1369 1832">KTIV-GATES-RF ACCESS-INV TE10004376 - LINE C - RESUBMITTED 7-27</td></tr> <tr> <td data-bbox="692 1843 807 1879"><b>Amount:</b></td><td data-bbox="1137 1843 1270 1879">\$29,774.97</td></tr> </table>	<b>Component Description:</b>	KTIV-Gates-INV TE10004376-2- LINE C. RF Accessories per Q-62047 - 2nd 1/3 payment OF -72	<b>Amount:</b>	\$29,774.97	<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	<b>Amount:</b>	\$29,774.96	<b>Component Description:</b>	KTIV-GATES-RF ACCESS-INV TE10004376 - LINE C - RESUBMITTED 7-27	<b>Amount:</b>	\$29,774.97
<b>Component Description:</b>	KTIV-Gates-INV TE10004376-2- LINE C. RF Accessories per Q-62047 - 2nd 1/3 payment OF -72												
<b>Amount:</b>	\$29,774.97												
<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												
<b>Amount:</b>	\$29,774.96												
<b>Component Description:</b>	KTIV-GATES-RF ACCESS-INV TE10004376 - LINE C - RESUBMITTED 7-27												
<b>Amount:</b>	\$29,774.97												

Freight - MFG	<div data-bbox="699 174 1377 327"> <div>Component Description:</div> <div>KTIV - US0320883 - freight to ship equipment to site.</div> <div>Amount:</div> <div>\$13,000.00</div> </div> <div data-bbox="699 434 1366 624"> <div>Component Description:</div> <div>7-26-18 - ELIMINATING THE EST TAX FOR THIS SUBMITTAL.</div> <div>Amount:</div> <div>N/A</div> </div>
Channel 14 remediation	<div data-bbox="699 768 1374 1115"> <div>Component Description:</div> <div>KTIV-RF NOTIFICATIONS - CH14 LM NOTICES - INV 1005 - QUOTE AND VERIFIED- RESUB 3-7-19-3-21-date change</div> <div>Amount:</div> <div>\$5,000.00</div> </div> <div data-bbox="699 1223 1351 1375"> <div>Component Description:</div> <div>KTIV- RF NOTIF - LAND MOBILE - INV 1015</div> <div>Amount:</div> <div>\$5,000.00</div> </div> <div data-bbox="699 1482 1366 1632"> <div>Component Description:</div> <div>KTIV-RF NOTIF - LAND MOBILE INV 1005</div> <div>Amount:</div> <div>\$5,000.00</div> </div>

	<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
	<b>Amount:</b>	\$5,000.00
	<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
	<b>Amount:</b>	\$5,000.00
	<b>Component Description:</b>	KTIV - RF NOTIFICATIONS - CH14 LM NOTICES - QUOTE AND VERIFIED -RESUB 3-7-19
	<b>Amount:</b>	\$5,000.00
UHF - Liquid Cooled Solid State Transmitter 62.9 kW	<b>Component Description:</b>	4th Invoice Main TX; KTIV - Gates - INV US0320883 - PO 19965 - Q-79109 - Q-79109-1
	<b>Amount:</b>	\$30,771.45

Disconnect existing Transmitter	<div> <b>Component Description:</b> KTIV- QCOMM-  DECOMM -  TRANSMITTER -  INV Q19-013 </div> <div> <b>Amount:</b> \$23,500.00 </div>
Sales Tax - Non Exempt - IA	<div> <b>Component Description:</b> KTIV-GATES-MAIN-  TX-SALES TAX  1ST INV -  TE10004376 - -6-13-  PER 5-21-RFAS-  REMOVED EST  TAX </div> <div> <b>Amount:</b> N/A </div>
	<div> <b>Component Description:</b> KTIV-GATES-MAIN-  TX-SALES TAX  2ND INV -  TE10004376-2- 6-  13- ZEROED OUT  PER RFAS 5-21 </div> <div> <b>Amount:</b> N/A </div>
	<div> <b>Component Description:</b> KTIV - GATES -  MAIN - SALES TAX  AT 7 PERCENT  WAS DUE AND  PAID. </div> <div> <b>Amount:</b> \$101,177.09 </div>
	<div> <b>Component Description:</b> Gates - Main Tx -  KTIV - INV for Sales  tax est see Q-  62047. We can true  up on final invoice  for TX if preferred. </div> <div> <b>Amount:</b> \$44,521.39 </div>



25 Ton system	<div data-bbox="699 174 1374 405"> <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> </div> <div data-bbox="699 517 1374 987"> <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> </div>
Service entrance 3 phase /800 amp/208 volt	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	<div data-bbox="699 1234 1374 1547"> <p><b>Component Description:</b> KTIV-GATES-MAIN TX -1ST- INVOICE TE10004376-per Q-62047 lines A, B and E RESUBMITTED 7-27</p> <p><b>Amount:</b> \$447,687.75</p> </div> <div data-bbox="699 1659 1374 2007"> <p><b>Component Description:</b> KTIV- GATES MAIN- 3RD INV TE10004376-3- SEE MATRIX - LINE A AND B- UPGRADE ONLY - SEE NOTES 5-29 FCC EMAIL</p> <p><b>Amount:</b> \$416,916.32</p> </div>

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

**Amount:** N/A

**Component Description:** KTIV- QCOMM -  
INSTALLATION -  
PROOF CH14  
TURN UP  
SUPPORT INV  
QC19-003

**Amount:** \$10,000.00

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

**Amount:** \$603,873.41

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## 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>\$345,430.00</b>	<b>\$319,233.60</b>		<b>\$271,149.29</b>	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$251,608.00	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.	\$223,036.88	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	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.	\$24,753.87	Per actual costs of invoice
FREIGHT EQUIPMENT	<b>\$25,000.00</b>	\$25,000.00	FREIGHT FOR ANTENNA AND LINE FOR THE INTERIM AND MAIN NEW SYSTEM FROM MFG TO STORAGE OR STAGING AREA.	\$12,848.54	N/A
SWEEP NEW ANTENNA AND LINE	<b>\$10,500.00</b>	\$10,500.00	SWEEP FINAL CONFIGURATION OF INTERIM ANTENNA AND LINE BEFORE TURN UP. MAY REQUIRE MULTIPLE SWEEPS.	\$4,750.00	N/A
<b>Sub-total</b>	<b>\$456,560.00</b>	<b>\$425,433.60</b>	N/A	<b>\$300,690.85</b>	N/A

<b>Total for all systems</b>	\$6,339,673.67	\$5,539,094.84	N/A	\$3,866,066.13	N/A
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## 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)	<div> <div>Component Description:</div> <div>KTIV- DIE - INTERIM ELBOW COMPLEX PARTS - INV 277011</div> </div> <div> <div>Amount:</div> <div>\$9,000.00</div> </div> <div> <div>Component Description:</div> <div>KTIV- INTERIM ANT LINE REDUCER CONNECTION - PART PLUS FREIGHT - NOT QUOTED.</div> </div> <div> <div>Amount:</div> <div>\$2,141.56</div> </div>
New combiner, cost per channel (without antenna)	<div> <div>Component Description:</div> <div>KTIV-QCOMM-COMBINER INSTALLATION FOR INTERIM OPERATIONS INV QC19-006</div> </div> <div> <div>Amount:</div> <div>\$12,000.00</div> </div>
Sweep test of existing antenna	<div> <div>Component Description:</div> <div>KTIV- DIE - SWEEP INT ANT - INV 323009</div> </div> <div> <div>Amount:</div> <div>\$6,400.00</div> </div>

UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 300 kW input, directional,, elliptically or circularly polarized	Information not provided.
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UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized

**Component Description:**

Revised. Line 1 - Antenna. INV 139009. Sales order 402001 \$16,608.00

**Amount:**

**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

**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:**

MAIN ANTENNA - DEPOSIT 10% LINES 1,2 AND 3.

**Amount:**

\$24,781.88

**Component Description:**

MAIN-ANTENNA-35% 11/1- LINES 1,2 AND 3.

**Amount:**

\$86,736.56

Sweep test of existing antenna

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

**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



Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)		
	<b>Component Description:</b>	ELBOW - DEPOSIT 10% - LINE 4
	<b>Amount:</b>	\$925.50
	<b>Component Description:</b>	ERI - Includes sales tax and freight not estimated on original quote. INV 52309; PO 20475
	<b>Amount:</b>	\$15,753.42
	<b>Component Description:</b>	Line 4 Elbow - INV 139009 - sales order 402001
	<b>Amount:</b>	\$971.73
	<b>Component Description:</b>	KTIV-DIE-ELBOW - 2ND 45% - LINE 4. 3-29-uploaded Order Conf. 402001 - Line 26 is V-POL upgrade not billed to FCC
	<b>Amount:</b>	\$4,835.70
	<b>Component Description:</b>	ELBOW - 35% - LINE 4.
	<b>Amount:</b>	\$3,239.25
	<b>Component Description:</b>	KTIV-DIE-MAIN- 2ND 45PERCENT - INV MAN00247 LINE 4. Order Conf - 402001
	<b>Amount:</b>	\$4,835.70

FREIGHT EQUIPMENT	<div data-bbox="703 174 1358 327"> <p><b>Component Description:</b> KTIV-MAIN ANT - FREIGHT- INV- 162009</p> <p><b>Amount:</b> \$11,378.83</p> </div> <div data-bbox="703 434 1350 667"> <p><b>Component Description:</b> KTIV-DIE- FREIGHT - INTERIM ELBOX COMPLEX INV 277011</p> <p><b>Amount:</b> \$1,049.64</p> </div> <div data-bbox="703 775 1370 963"> <p><b>Component Description:</b> KTIV- DIE FREIGHT FOR MAIN LINE PARTS INV 242028</p> <p><b>Amount:</b> \$420.07</p> </div>
SWEEP NEW ANTENNA AND LINE	<div data-bbox="703 1102 1362 1375"> <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> </div>

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
Primary Transmission Line	\$635,600.00	\$605,640.00		\$495,242.64	
Rigid Transmission Line - copper, 7 3/16"	\$620,600.00	\$590,640.00	N/A	\$480,242.64	Per actual costs from Dielectric and Gates Air for transmission line, parts and freight.
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
Sub-total	\$635,600.00	\$605,640.00	N/A	\$495,242.64	N/A
Total for all systems	\$6,339,673.67	\$5,539,094.84	N/A	\$3,866,066.13	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 7 3/16"	

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

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

<b>Component Description:</b>	Freight for parts on INV 242048 - Dielectric INV 252021
<b>Amount:</b>	\$125.12

<b>Component Description:</b>	Line 5 - sales order 402001 - INV 139009
<b>Amount:</b>	\$41,771.70

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

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

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

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

<b>Component Description:</b>	MAIN-TX LINE- 10% LINE 5.
<b>Amount:</b>	\$46,751.70

<b>Component Description:</b>	KTIV- DIE -LINE PARTS FOR MAIN ANTENNA - INV 242008 PO 20350
<b>Amount:</b>	\$163.00

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

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

<b>Component Description:</b>	Revised invoice 277013. See attached order confirmation 402001
<b>Amount:</b>	\$4,939.69

	<b>Component Description:</b>	KTIV-DIE-ANT LINE - 2ND 45% INV MAN00247 - LINES 5,30 AND 31
	<b>Amount:</b>	\$213,570.34
	<b>Component Description:</b>	TX LINE - MAIN - 35% -11/1 LINE 5.
	<b>Amount:</b>	\$163,630.95
	<b>Component Description:</b>	Dielectric - T/L, xfmr, freight - INV 277013 - PO 19938
	<b>Amount:</b>	\$4,939.69
	<b>Component Description:</b>	Freight for lines 44&45, cut line pieces - freight for Line 48 on order conf 402001. INV 318006
	<b>Amount:</b>	\$11,649.86
Disconnect existing Interior RF components	<b>Component Description:</b>	KTIV-QCOMM DECOMM - RF COMPONENTS INV QC19-013
	<b>Amount:</b>	\$15,000.00

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
Primary Tower TOWER	\$862,000.00	\$819,000.00		\$231,597.11	
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
Sub-total	\$862,000.00	\$819,000.00	N/A	\$231,597.11	N/A
Total for all systems	\$6,339,673.67	\$5,539,094.84	N/A	\$3,866,066.13	N/A

Components

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

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

<b>Component Description:</b>	Addendum 2 to Prop 17616-5 - PCI - INV 7881
<b>Amount:</b>	\$30,726.01

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

<b>Component Description:</b>	Additional tower work - PCI - INV 7460
<b>Amount:</b>	\$6,420.00

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

<b>Component Description:</b>	KTIV-TOWER CREW ARRIVAL 5- 2-18- AT SITE INV. 7241
<b>Amount:</b>	\$53,917.30



	<b>Component Description:</b>	Final invoice on PO 20012; Tower work; INV 7573; PO 20012. Amount includes taxes not calculated on original PO.
	<b>Amount:</b>	\$53,928.00
	<b>Component Description:</b>	KTIV- PCI - ANT INSTALL - ACCEPTANCE INV - 7473
	<b>Amount:</b>	\$53,917.30
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>\$33,384.00</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>\$20,175.07</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
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 engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$1,175.00	
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 I AMO ATTI DUE - MC INTERI IS:
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	
General Engineering Services	<b>\$450.00</b>	\$450.00	Per Actual costs	\$450.00	

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
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,885.00
Prepare request for Special Temporary Authorization	\$8,200.00	\$6,000.00	N/A	\$1,500.00

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>	\$6,339,673.67	\$5,539,094.84	N/A	\$3,866,066.13

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

General Repack Legal  
Services

**Component Description:** general legal  
period ending 1/31  
/2020. INV 3977751  
**Amount:** \$52.00

**Component Description:** KTIV- BROOKS -  
MAR18-  
INV3951194  
**Amount:** \$148.50

**Component Description:** KTIV - BROOKS -  
APRIL18-  
INV3952577  
**Amount:** \$330.00

**Component Description:** Brooks-General -  
AUG 17 - inv 1/7th  
**Amount:** \$117.85

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

**Component Description:** General Repack  
Legal services for  
period ending  
March, 2018.  
\$28.29 is KTIV  
portion.  
**Amount:** \$28.29



<b>Component Description:</b>	Revised - See Cover letter for explanation of breakdown between stations. General Repack Legal Services for period ending January 2018
<b>Amount:</b>	\$35.35

<b>Component Description:</b>	KTIV Repack Legal Services; KTIV license
<b>Amount:</b>	\$52.00

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

<b>Component Description:</b>	Legal services for repack for period ending December 2017
<b>Amount:</b>	\$658.00

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

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

<b>Component Description:</b>	Brooks-General- July 17 - inv 1/7th
<b>Amount:</b>	\$275.00

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

<b>Component Description:</b>	KTIV - Brooks - Gen Legal May 2020 - INV 3982753
<b>Amount:</b>	\$52.00

<b>Component Description:</b>	Gen Legal June 2020 - INV 3984321
<b>Amount:</b>	\$79.50

<b>Component Description:</b>	KTIV - Brooks - Legal for period ending Aug 31, 2019 - INV 3970120
<b>Amount:</b>	\$208.00

<b>Component Description:</b>	KTIV-BROOKS - LEGAL DEC18 INV 3961871
<b>Amount:</b>	\$247.50

<b>Component Description:</b>	KTIV-BROOKS - LEGAL DEC18 - INV 3960716
<b>Amount:</b>	\$6,637.50

<b>Component Description:</b>	KTIV- BROOKS JULY18-LEGAL INV 3955730
<b>Amount:</b>	\$1,386.00

<b>Component Description:</b>	Brooks-General - Sept-17-INV 1/7th
<b>Amount:</b>	\$80.57

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

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

<b>Component Description:</b>	KTIV - BROOKS LEGAL SEPT18 - INV 3958277
<b>Amount:</b>	\$3,811.50

<b>Component Description:</b>	KTIV- BROOKS GEN LEGAL - JUNE17 - INV 3941325 RESUB 3- 7-19
<b>Amount:</b>	\$266.44

<b>Component Description:</b>	KTIV-BROOKS- JUNE18-INV 3954662
<b>Amount:</b>	\$99.00

<b>Component Description:</b>	KTIV- BROOKS - MAY18 - INV 3953757
<b>Amount:</b>	\$396.00

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

<b>Component Description:</b>	KTIV-BROOKS- LEGAL - OCT18 - INV 3959627
<b>Amount:</b>	\$1,914.00

<b>Component Description:</b>	KTIV Repack Legal Services; KTIV License
<b>Amount:</b>	\$208.00

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

<b>Component Description:</b>	KTIV-BROOKS- LEGAL AUG18 - INV 3957117
<b>Amount:</b>	\$2,161.50

	<div> <div> <b>Component Description:</b> </div> <div> KTIV - LEGAL fees  - FEB18 - INV  3950146 4-16-  changed inv date </div> </div> <div> <b>Amount:</b> </div> <div> \$49.50 </div>
	<div> <div> <b>Component Description:</b> </div> <div> Brooks-General-  OCT17- inv 1/7th </div> </div> <div> <b>Amount:</b> </div> <div> \$322.28 </div>
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	<div> <div> <b>Component Description:</b> </div> <div> CH 14 NEW  FACILITY  SHARED WITH  KPTH AND KMEG </div> </div> <div> <b>Amount:</b> </div> <div> \$1,895.00 </div>
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<div> <b>Component Description:</b> Brooks- Legal-KTIV-NOV17-inv         </div> <div> <b>Amount:</b> \$329.00         </div>
	<div> <b>Component Description:</b> ATTY - CP SEPT 17 FEES         </div> <div> <b>Amount:</b> \$141.00         </div>
	<div> <b>Component Description:</b> Brooks-KTIV-NOV17-legal-inv         </div> <div> <b>Amount:</b> \$47.00         </div>
	<div> <b>Component Description:</b> ATTY FEES CP - KTIV MAY17         </div> <div> <b>Amount:</b> \$752.00         </div>
	<div> <b>Component Description:</b> ATTY FEES CP - AUG 17 KTIV         </div> <div> <b>Amount:</b> \$2,820.00         </div>
	<div> <b>Component Description:</b> ATY FEES MAY 17 CP         </div> <div> <b>Amount:</b> \$453.00         </div>
	<div> <b>Component Description:</b> ATTY FEES - KTIV - JUNE 17 CP         </div> <div> <b>Amount:</b> \$359.00         </div>
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	<div> <b>Component Description:</b> KTIV-LOHNES-FORM 2100-PREP- INV 201811-0275-09-1- 3-21 ADDED RATE SHEET         </div> <div> <b>Amount:</b> \$1,175.00         </div>

Perform engineering study for new channel assignment and antenna development	<table> <tr> <td data-bbox="702 174 1015 210"><b>Component Description:</b></td><td data-bbox="1147 174 1355 324">KTIV - Lohnes - engineering - INV 201707-0275-09- 66170</td></tr> <tr> <td data-bbox="702 338 815 367"><b>Amount:</b></td><td data-bbox="1147 338 1267 367">\$2,400.00</td></tr> <tr> <td data-bbox="702 477 1015 512"><b>Component Description:</b></td><td data-bbox="1147 477 1339 584">ENGR - NEW CHANNEL AND 399</td></tr> <tr> <td data-bbox="702 598 815 627"><b>Amount:</b></td><td data-bbox="1147 598 1267 627">\$2,850.00</td></tr> <tr> <td data-bbox="702 736 1015 772"><b>Component Description:</b></td><td data-bbox="1147 736 1286 804">CP ALT CH ANALYSIS</td></tr> <tr> <td data-bbox="702 817 815 846"><b>Amount:</b></td><td data-bbox="1147 817 1267 846">\$5,210.00</td></tr> </table>	<b>Component Description:</b>	KTIV - Lohnes - engineering - INV 201707-0275-09- 66170	<b>Amount:</b>	\$2,400.00	<b>Component Description:</b>	ENGR - NEW CHANNEL AND 399	<b>Amount:</b>	\$2,850.00	<b>Component Description:</b>	CP ALT CH ANALYSIS	<b>Amount:</b>	\$5,210.00
<b>Component Description:</b>	KTIV - Lohnes - engineering - INV 201707-0275-09- 66170												
<b>Amount:</b>	\$2,400.00												
<b>Component Description:</b>	ENGR - NEW CHANNEL AND 399												
<b>Amount:</b>	\$2,850.00												
<b>Component Description:</b>	CP ALT CH ANALYSIS												
<b>Amount:</b>	\$5,210.00												
Prepare and or review reimbursement form	Information not provided.												
General Engineering Services	<table> <tr> <td data-bbox="702 1099 1015 1135"><b>Component Description:</b></td><td data-bbox="1147 1099 1362 1368">Engineering Support for reimbursement form cost estimate - Lohnes - INV 201707-0275-09- 66170</td></tr> <tr> <td data-bbox="702 1382 815 1411"><b>Amount:</b></td><td data-bbox="1147 1382 1246 1411">\$450.00</td></tr> </table>	<b>Component Description:</b>	Engineering Support for reimbursement form cost estimate - Lohnes - INV 201707-0275-09- 66170	<b>Amount:</b>	\$450.00								
<b>Component Description:</b>	Engineering Support for reimbursement form cost estimate - Lohnes - INV 201707-0275-09- 66170												
<b>Amount:</b>	\$450.00												

Project management of the transition	<div data-bbox="708 174 1385 327"> <p><b>Component Description:</b> KTIV-QCOMM-PM 8-18-17- INV QC18-018</p> <p><b>Amount:</b> \$23,295.00</p> </div> <div data-bbox="708 434 1385 546"> <p><b>Component Description:</b> KTIV- PM- 1 THRU 3-18 INV QC18-047</p> <p><b>Amount:</b> \$25,387.50</p> </div> <div data-bbox="708 654 1385 806"> <p><b>Component Description:</b> KTIV-QCOMM -PM AUG-NOV 18 - INV QC19-015</p> <p><b>Amount:</b> \$59,175.00</p> </div> <div data-bbox="708 913 1385 1182"> <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> </div> <div data-bbox="708 1290 1385 1518"> <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> </div>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.



<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="702 174 1015 210"><b>Component Description:</b></td><td data-bbox="1147 174 1358 365">Vendor name: Lohnes &amp; Culver. Eng services: INV 201707-0275-09-66170</td></tr> <tr> <td data-bbox="702 376 815 412"><b>Amount:</b></td><td data-bbox="1147 376 1267 412">\$1,885.00</td></tr> <tr> <td data-bbox="702 517 1015 553"><b>Component Description:</b></td><td data-bbox="1147 517 1302 553">ENGR - CP -</td></tr> <tr> <td data-bbox="702 555 815 591"><b>Amount:</b></td><td data-bbox="1147 555 1267 591">\$1,885.00</td></tr> </table>	<b>Component Description:</b>	Vendor name: Lohnes & Culver. Eng services: INV 201707-0275-09-66170	<b>Amount:</b>	\$1,885.00	<b>Component Description:</b>	ENGR - CP -	<b>Amount:</b>	\$1,885.00
<b>Component Description:</b>	Vendor name: Lohnes & Culver. Eng services: INV 201707-0275-09-66170								
<b>Amount:</b>	\$1,885.00								
<b>Component Description:</b>	ENGR - CP -								
<b>Amount:</b>	\$1,885.00								
<p>Prepare request for Special Temporary Authorization</p>	<table> <tr> <td data-bbox="702 728 1015 763"><b>Component Description:</b></td><td data-bbox="1147 728 1362 918">KTIV-LOHNES-STA- INV 201809-0275-09-1 - 3-21 ADDED RATE SHEET</td></tr> <tr> <td data-bbox="702 929 815 965"><b>Amount:</b></td><td data-bbox="1147 929 1267 965">\$1,500.00</td></tr> </table>	<b>Component Description:</b>	KTIV-LOHNES-STA- INV 201809-0275-09-1 - 3-21 ADDED RATE SHEET	<b>Amount:</b>	\$1,500.00				
<b>Component Description:</b>	KTIV-LOHNES-STA- INV 201809-0275-09-1 - 3-21 ADDED RATE SHEET								
<b>Amount:</b>	\$1,500.00								
<p>Electric work and materials for Interim and Main</p>	<table> <tr> <td data-bbox="702 1099 1015 1135"><b>Component Description:</b></td><td data-bbox="1147 1099 1366 1211">KTIV-SCHRAMM-ELEC-INV 2781 6-13-corrected \$</td></tr> <tr> <td data-bbox="702 1223 815 1258"><b>Amount:</b></td><td data-bbox="1147 1223 1283 1258">\$21,613.38</td></tr> <tr> <td data-bbox="702 1364 1015 1400"><b>Component Description:</b></td><td data-bbox="1147 1364 1353 1431">KTIV-SCHRAMM ELEC-INV2759</td></tr> <tr> <td data-bbox="702 1442 815 1478"><b>Amount:</b></td><td data-bbox="1147 1442 1283 1478">\$16,657.23</td></tr> </table>	<b>Component Description:</b>	KTIV-SCHRAMM-ELEC-INV 2781 6-13-corrected \$	<b>Amount:</b>	\$21,613.38	<b>Component Description:</b>	KTIV-SCHRAMM ELEC-INV2759	<b>Amount:</b>	\$16,657.23
<b>Component Description:</b>	KTIV-SCHRAMM-ELEC-INV 2781 6-13-corrected \$								
<b>Amount:</b>	\$21,613.38								
<b>Component Description:</b>	KTIV-SCHRAMM ELEC-INV2759								
<b>Amount:</b>	\$16,657.23								

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
Other Expenses	\$64,223.67	\$63,658.67		\$15,552.63	
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
Additional Insurance	<i>\$118.67</i>	\$118.67	Additional insurance costs to cover equipment in storage - Winters Insurance	\$118.67	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

Develop and air announcement of upcoming channel change	<b>\$15,000.00</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
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
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$10,000.00</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

Equipment Storage	<b>\$10,000.00</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
MVPD Notification of Channel Change	<b>\$5,000.00</b>	\$5,000.00	Required FCC notifications.	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<b>\$8,000.00</b>	\$8,000.00	Transport and handling fees from staging area to transmitter site.	\$7,685.00	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>	\$6,339,673.67	\$5,539,094.84	N/A	\$3,866,066.13	N/A

## Components

Actual Information	
Description	File Name

SITE SAFETY AND CLEARING PREP	<div data-bbox="703 174 1358 365"> <p><b>Component Description:</b> Site Safety and Security - Jay Lan INV 09042018 - see cover letter</p> <p><b>Amount:</b> \$508.25</p> </div> <div data-bbox="703 477 1369 784"> <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> </div> <div data-bbox="703 896 1374 1081"> <p><b>Component Description:</b> Site safety and security - see cover letter - Jay Lan - INV 08152018</p> <p><b>Amount:</b> \$214.00</p> </div> <div data-bbox="703 1193 1366 1460"> <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> </div>
Additional Insurance	<div data-bbox="703 1603 1382 1751"> <p><b>Component Description:</b> Additional insurance Costs - Winters - INV 99459</p> <p><b>Amount:</b> \$118.67</p> </div>

Remove and Reinstall Fence	<p><b>Component Description:</b> Remove/reinstall fence (equip move) - American Fence - INV 23380</p> <p><b>Amount:</b> \$525.00</p>
Develop and air announcement of upcoming channel change	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
DTV Medical Facility Notification	<p><b>Component Description:</b> KTIV-RF NOTIF-MED - INV 1029</p> <p><b>Amount:</b> \$2,950.00</p> <p><b>Component Description:</b> KTIV-RF Notification-inv-1005</p> <p><b>Amount:</b> \$5,000.00</p>
Disposal Costs (for equipment and other waste, net of any salvage value)	<p><b>Component Description:</b> KTIV-LINDBLOM - DISPOSAL JULY18 - INV 85311</p> <p><b>Amount:</b> \$343.04</p> <p><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</p> <p><b>Amount:</b> \$374.25</p>

<b>Component Description:</b>	KTIV-LINDBLOM- DISPOSAL SEPT18 -INV 87293
<b>Amount:</b>	\$96.30

<b>Component Description:</b>	KTIV-LINDBLOM- DISPOSAL FEB19 INV 89883
<b>Amount:</b>	\$224.49

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

<b>Component Description:</b>	KTIV-LINDBLOM- DISPOSAL DEC18 - INV 89278
<b>Amount:</b>	\$69.55

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

<b>Component Description:</b>	KTIV-LINDBLOM- DISPOSAL OCT18 - INV 87588
<b>Amount:</b>	\$535.21

	<p><b>Component Description:</b> KTIV-LINDBLOM-DISPOSAL NOV18 INV 88375</p> <p><b>Amount:</b> \$292.54</p>
	<p><b>Component Description:</b> KTIV-LINDBLOM - DISPOSAL JAN19 INV 89788</p> <p><b>Amount:</b> \$99.51</p>
	<p><b>Component Description:</b> KTIV- LINDBLOM-DISPOSAL - AUG18 - INV 86175</p> <p><b>Amount:</b> \$688.87</p>
	<p><b>Component Description:</b> KTIV- BIG S DISPOSAL AND MATERIAL HANDLING - INV 8 - 3-7- ADDED QUOTE</p> <p><b>Amount:</b> \$1,165.00</p>
Equipment Storage	<p><b>Component Description:</b> KTIV-Storage inv-part of INV1002</p> <p><b>Amount:</b> \$3,600.00</p>
MVPD Notification of Channel Change	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
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>



<b>Component Description:</b>	Delivery of equipment via freight truck to KTIV - Casey's Garage - INV 1021
<b>Amount:</b>	\$1,200.00

<b>Component Description:</b>	KTIV-BIG S - OFFLOAD TX LINE AND EQUIPMENT FROM DELIVERY TRUCK INV 12 - RESUB W QUOTE 3-7-19
<b>Amount:</b>	\$840.00

<b>Component Description:</b>	KTIV- BARHHART- LIFTING AND SETTING NEW CIF FILTER - PART OF MATERIAL HANDLING OF TX INSTALLATION COVERED UNDER GATES INSTALL. INV 46410
<b>Amount:</b>	\$2,295.00

<b>Component Description:</b>	KTIV- CASEYS DELIVERY OF ADDITIONAL TX LINE FROM STORAGE STAGING FACILITY. 3-8-19 not reimbursable - removing request. zeroed out.
<b>Amount:</b>	N/A

**Component Description:**

Costs to unload  
equipment: loader  
and 3 men. KTIV -  
Big Sioux INV 108  
\$850.00

**Amount:**

**Component Description:**

KTIV- CASEYS-  
DELIVERY OF EQ  
FROM STORAGE  
STAGING  
FACILITY. INV 1020  
\$2,500.00

**Amount:**

<b>Cost Information</b>	<b>Grand Total</b>		
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>
			<b>Actual Cost</b>
	<b>Total for all systems</b>	\$6,339,673.67	\$5,539,094.84
			\$3,866,066.13

<b>Reimbursement Status</b>	<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
	Submission of Estimated Expenses Statements	<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*

11/10/2020

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<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.



<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>BRADY DREASLER CORPORATE DIRECTOR OF ENGINEERING</b></p> <p>11/10/2020</p>

## Attachments