

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 66170 Service: DTV Call KTIV Channel: 14 (UHF)

Sign:

File **0000027507**

Number:

ID:

FRN: **0018223693** Date **07/27**

Submitted: /2018

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
KTIV LICENSE, LLC 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 Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Tony zumMallen QCommunications	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
Existing Transmitter Description	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
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	PowerCD
	Year	2006
	Туре	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	56.7 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
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	25 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	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
Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.
Sales Tax - Non Exempt -IA	KTIV is not tax exempt from Iowa Sales tax - Gates calculates
RF Accessories-other	RF Accessories on Gates Q-62047 for transmitters not captured on existing line items

Securirty - Site	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.
Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
Transmitter - Training	Transmitter training - offsite - 1 week in duration at mfg site.
Channel 14 remediation	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.
Freight - MFG	Freight- from MFG to staging area or station

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
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	25 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	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
Inside RF System	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

Antennas

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

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	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
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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

New Antenna Costs

Section	Question	Response
New Antenna Description	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
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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-24GTH

Year	2017
Justification for New Antenna	Required to operate on the new channel assignment. Ch14 special case. FAA height restrictions.

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Other Antenna Cost Not Listed

Name	Description
FREIGHT EQUIPMENT	FREIGHT FOR THE ANTENNA AND LINE FROM MFG TO STORAGE OR STAGING AREA.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	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
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	6 1/8 inches

Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	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

Information not provided.

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

on Line Settion	Question	Response
Existing Transmission Line Description	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
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	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

New Transmission Line

n Line Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Туре	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

Other Transmission Line Expenses Not Listed

Transmission	Name	Description
	Disconnect existing Interior RF components	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	Do you have a tower registration number?	Yes
Registration	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 fee
	Support Structure Height	1847.09 fee
	Ground Elevation Above Mean Sea Level (AMSL)	1332.99 fee

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

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	933
	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.
Outside RF consulting Engineering Services	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
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	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
RF Field Engineering Services	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

Other Professional Services Expenses Not Listed

Services Costs	Description
General Repack Legal Services	See attached memo-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399
Quarterly reporting	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.
Vendor Travel Expenses	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses.
Electric work and materials for Interim and Main	Electric work and materials fro interim and main main transmitters per local quote attached with invoices

Other Expenses

Section	tion Question		
AM Pattern Disturbance	Is an Impact Study needed?	No	
	Is Remediation needed?	No	
Facility Expenses	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	
Permit and Filing Costs	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	
Other Miscellaneous Expenses	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 Not Listed

Expenses Information not provided.

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 C Justifica
Interim Transmitter ULXTE-30	\$1,015,937.90	\$967,537.90		\$411,416.42	
Sales Tax est	\$41,737.90	\$41,737.90	as determined by GatesAir in the invoice	\$13,912.64	N
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	\$21,843.62	N,
25 Ton system	\$91,500.00	\$87,000.00	N/A	N/A	N,
2" Rigid Conduit and Wiring (Cost per foot)	\$13,000.00	\$12,500.00	N/A	N/A	N,
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$3,331.66	N
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$650,000.00	N/A	\$372,328.50	N,
Primary Transmitter ULXTE-100	\$3,044,864.92	\$2,986,745.66		\$1,182,709.15	
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,700,000.00	N/A	\$1,051,561.15	N,

Freight - MFG	\$17,300.00	\$17,300.00	Freight- from MFG to staging area or station	\$0.00	N
Channel 14 remediation	\$500,000.00	\$500,000.00	After consulting further with The NAB and the consulting engineer it has been determined that a land-mobile receivers remediation budget needs to be added to cover these estimated remediation costs of transitioning to CH 14 found in a Land Mobile notice.	\$10,000.00	N,
Transmitter - Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N,
Disconnect existing Transmitter	\$25,000.00	\$25,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	N/A	N,
Securirty - Site	\$17,500.00	\$17,500.00	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.	\$7,462.18	N,

RF Accessories- other	\$83,440.74	\$83,440.74	RF Accessories per GatesAir Q- 62047 Items C. RF Accessories. Captures required equipment not identified in existing 399 line items.	\$59,549.94	N
Sales Tax - Non Exempt -IA	\$133,564.18	\$133,564.18	KTIV is not exempt from IOWA state sales tax. Gates calculates sales tax for invoices. see Q62047 and INV TE10004376	\$0.00	N
Site Survey - TX	\$25,000.00	\$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	N
Additional field engineering time, 10-30 days	\$63,100.00	\$60,000.00	N/A	N/A	N
Channel 14 Mask Filter	\$189,500.00	\$180,000.00	N/A	N/A	N
RF Consulting Engineer	\$5,260.00	\$5,000.00	N/A	\$0.00	N

Sub-total	\$4,060,802.82	\$3,954,283.56	N/A	\$1,594,125.57	١
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	1
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-620 ACCES - move Iten Acces other- know remove so we z the trai
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$40,000.00	GATES EQ QUOTE AND LOCAL ELECTRIC INSTALL AND EQUIPMENT QUOTE	\$35,635.88	N
2" Rigid Conduit and Wiring (Cost per foot)	\$13,000.00	\$12,500.00	N/A	N/A	N
system			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.		

Total for all	\$6,583,931.82	\$6,352,203.56	N/A	\$2,446,193.01	N
systems					

Components

Actual Information Description	File Name	
Sales Tax est	Component Description:	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
	Amount:	\$13,912.64
UHF inside RF system including switching		
morading switching	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
	Amount:	- Q-62042 uploaded \$10,921.81
25 Ton system	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Switchgear - industrial 800		
amp	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
UHF - Liquid Cooled Solid		
State Transmitter 14.2 - 20 kW	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:	Gates-INT TX - KTIV - 2nd
		payment- LINES lines A, B and E - of
		quote Q-62042 uploaded- see for details.
	Amount:	\$186,164.25

JHF - Liquid Cooled Solid State Transmitter 52 - 61		
kW	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
		TX -2ND- INVOICE
		TE10004376-2 per
		Q-62047 lines A, B
		and E- PER 5-21-18
		RFAS- ROUNDED
		DOWN 1 CENT.
	Amount:	\$603,873.40
Freight - MFG		
	Component Description:	7-26-18 -
		ELIMINATING THE
		EST TAX FOR
		THIS SUBMITTAL.
	Amount:	N/A

Channel 14 remediation		
	Component Description:	KTIV-RF NOTIF - LAND MOBILE INV
	Amount:	1005 \$5,000.00
	Component Description:	KTIV- RF NOTIF - LAND MOBILE - INV 1015
	Amount:	\$5,000.00
Transmitter - Training	Information not provided.	
Disconnect existing Transmitter	Information not provided.	
Securirty - Site		
	Component Description:	KTIV-SECURITY-6 /10-6/23-ON SITE- INV-23878
	Amount:	\$4,519.68
	Component Description:	KTIV-SECURITY-5 /31-6/9 ON SITE INV23792
	Amount:	\$2,942.50
RF Accessories-other		
	Component Description:	KTIV-Gates-INV TE10004376-2- LINE C. RF Accessories per Q- 62047 - 2nd 1/3 payment OF -72
	Amount:	\$29,774.97
	Component Description:	KTIV-GATES-RF ACCESS-INV TE10004376 - LINE C - RESUBMITTED 7-27

Sales Tax - Non Exempt -		
IA	Component Description: Amount:	KTIV-GATES-MAIN- TX-SALES TAX 2ND INV - TE10004376-2- 6- 13- ZEROED OUT PER RFAS 5-21 N/A
	Amount.	N/A
	Component Description:	KTIV-GATES-MAIN- TX-SALES TAX 1ST INV - TE100043766-13- PER 5-21-RFAS- REMOVED EST TAX
	Amount:	N/A
	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
Site Survey - TX		
	Component Description:	KTIV - SURVEY - INV-QC18-025
	Amount:	\$18,500.00
Additional field engineering time, 10-30 days	Information not provided.	
Channel 14 Mask Filter	Information not provided.	
RF Consulting Engineer	Information not provided.	
25 Ton system	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Transformer 3 phase/480v - 300 KVA **Component Description:** KTIV- Gates- Main Tx -Q-62047 - INV TE10004376-Line D **RESUBMITTED 7-**27 \$4,332.94 Amount: **Component Description:** KTIV- Gates- Main Tx -Q-62047 - Line D - FOR -72 COST Amount: \$4,332.94 **Component Description:** Gates- Main Tx -KTIV - Q-62047 -Line D Amount: \$4,332.94 **Component Description:** KTIV-SCHRAMM-ELEC-TRANSFORMER-INV2739 Amount: \$26,970.00

Switchgear - industrial 800		
amp	Component Description:	KTIV-Gates- MAIN TX - RF - Q-62047 line C. 5-1 - ZEROED out and added to Line Item - RF Accessories- other
	Amount:	N/A
	Component Description:	Gates- MAIN TX - RF KTIV - Q-62047 line C.
	Amount:	\$27,813.58
	Component Description:	KTIV-Gates- MAIN TX 1ST INV TE10004376 RF - Q-62047 line C 6- 13 ZEROED OUT AND MOVED TO RF COMP LINE ITEM
	Amount:	N/A
Service entrance 3 phase /800 amp/208 volt	Information not provided.	

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
Interim Antenna TFU-24WB-1- R	\$104,630.00	\$86,400.00		\$0.00	
Elbow complex, broadband, at antenna input, per 6 1 /8. feedline (if needed)	\$13,700.00	\$0.00	This cost will be shared with KPTH and KTIV, and KPTH is purchasing this equipment.	\$0.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$0.00	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.	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 300 kW input, directional,, elliptically or circularly polarized	\$0.00	\$0.00	Cost of antenna is included in the KPTH deal. Shared with KTIV, KPTH and KMEG.	N/A	N/A

Primary Antenna TFU-24GTH	\$334,930.00	\$319,400.00		\$249,176.16	
Elbow complex, broadband, at antenna input, per 6 1 /8. feedline (if needed)	\$13,700.00	\$13,000.00	N/A	\$9,000.45	N/A
UHF - High Power Top Mount (200- 1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$275,000.00	N/A	\$223,036.88	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
FREIGHT EQUIPMENT	\$25,000.00	\$25,000.00	FREIGHT FOR ANTENNA AND LINE FOR THE INTERIM AND MAIN NEW SYSTEM FROM MFG TO STORAGE OR STAGING AREA.	\$11,378.83	N/A
Sub-total	\$439,560.00	\$405,800.00	N/A	\$249,176.16	N/A
Total for all systems	\$6,583,931.82	\$6,352,203.56	N/A	\$2,446,193.01	N/A

Actual Information Description	File Name	
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
Sweep test of existing antenna	Information not provided.	
New combiner, cost per channel (without antenna)	Information not provided.	
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 300 kW input, directional,, elliptically or circularly polarized	Information not provided.	
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Component Description: Amount:	ELBOW - DEPOSIT 10% - LINE 4 \$925.50
	Component Description: Amount:	KTIV-DIE-ELBOW - 2ND 45% - LINE 4. 3-29-uploaded Order Conf. 402001 - Line 26 is V-POL upgrade not billed to FCC \$4,835.70
	Component Description:	ELBOW - 35% - LINE 4.
	Amount:	\$3,239.25

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

MAIN-ANTENNA-**Component Description:**

35% 11/1- LINES

1,2 AND 3.

\$86,736.56 Amount:

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. 3-29-Uploaded Order Conf -40200. V-POL upgrade is line not billed to FCC.

Amount: \$111,518.44

Sweep test of existing antenna

Component Description: KTIV-MAIN

SWEEP- 2ND 45%

-LINE 25. MAN00247

Amount: \$2,880.00

Component Description: MAIN ANTENNA

> SWEEP- 35%-LINE 25.

\$2,240.00

Amount:

Component Description: MAIN ANTENNA -

> SWEEP TEST -DEPOSIT 10% -

LINE 25

Amount: \$640.00

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

Transmission Line

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

Description Primary Transmission	Predetermined Cost Estimate \$635,600.00	Estimated Cost \$605,640.00	Estimated Cost Justification	Actual Cost \$423,952.99	Actual Cost Justification
Rigid Transmission Line - copper, 7 3 /16"	\$620,600.00	\$590,640.00	N/A	\$423,952.99	N/A
Disconnect existing Interior RF components	\$15,000.00	\$15,000.00	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.	N/A	N/A
Sub-total	\$635,600.00	\$605,640.00	N/A	\$423,952.99	N/A
Total for all systems	\$6,583,931.82	\$6,352,203.56	N/A	\$2,446,193.01	N/A

Actual Information		
Description	File Name	

copper, 7 3/16"	Component Description:	TX LINE - MAIN - 35% -11/1 LINE 5.
	Amount:	\$163,630.95
	Component Description:	KTIV-DIE-ANT
		LINE - 2ND 45% INV MAN00247 -
		LINES 5,30 AND
		31
	Amount:	\$213,570.34
	Component Description:	MAIN-TX LINE-
		10% LINE 5.
	Amount:	\$46,751.70
Disconnect existing Interior	Information not provided.	

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		\$53,917.30	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	N/A	\$53,917.30	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	\$53,917.30	N/A
Total for all systems	\$6,583,931.82	\$6,352,203.56	N/A	\$2,446,193.01	N/A

Actual Information		
Description	File Name	

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description:	KTIV-TOWER CREW ARRIVAL 5-2-18- AT SITE INV. 7241
	Amount:	\$53,917.30
Structural engineering tower load study for a documented tower with candelabra	Information not provided.	
Major tower reinforcement	Information not provided.	

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 Justific
Outside Professional Services	\$474,889.00	\$458,865.00		\$122,070.99	
Electric work and materials for Interim and Main	\$154,200.00	\$154,200.00	ELECTRICAL MATERIALS AND WORK FOR BOT INTERIM AND MAIN TRANSFORMER PER SCHRAMM QUOTE AND PO 20224.	\$38,270.61	
Vendor Travel Expenses	\$21,965.00	\$21,965.00	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	\$2,418.61	4-2-u revise QC17 corre
Quarterly reporting	\$5,000.00	\$5,000.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A	

General Repack Legal Services	\$10,000.00	\$10,000.00	See attached memo-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399-	\$1,715.77
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	N/A	\$4,901.00
Prepare request for Special Temporary Authorization	\$8,200.00	\$6,000.00	N/A	N/A

					IS
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$0.00	NEW (14 AN AND APPL REG MOR THE N AMO ATTI DUE MC INTER
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	
Project management of the transition	\$147,414.00	\$139,950.00	N/A	\$72,870.00	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	

Total for all	\$6,583,931.82	\$6,352,203.56	N/A	\$2,446,193.01
systems				

Actual Information		
Description	File Name	
Electric work and materials		
for Interim and Main	Component Description:	KTIV-SCHRAMM-
		ELEC-INV 2781 6-
	Amount:	13-corrected \$ \$21,613.38
	Amount.	φ21,013.30
	Component Description:	KTIV-SCHRAMM
		ELEC-INV2759
	Amount:	\$16,657.23
Vendor Travel Expenses		
	Component Description:	KTIV-QCOMM-
		PM-Travel
		expenses INV -
		QC17-144-
		QUOTE QC17002 - RFAS DOES
		NOT AFFECT
		THIS ITEM
	Amount:	\$2,418.61
Quarterly reporting	Information not provided.	
General Repack Legal		
Services	Component Description:	KTIV- BROOKS -
		MAR18-
	Amount:	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: Brooks-General-

July 17 - inv 1/7th

Amount: \$275.00

Component Description: Brooks-General-

OCT17- inv 1/7th

Amount: \$322.28

Component Description: Brooks-General

Fee May-17-1/7th

Amount: \$190.85

Component Description: KTIV- BROOKS -

MAY18 - INV 3953757

Amount: \$396.00

Component Description: Brooks-General-

NOV17-inv 1/7th

Amount: \$221.57

Component Description: Brooks General -

JUNE 17 -inv-1

/7th

Amount: \$266.44

	Component Description: Amount:	Brooks-General - Sept-17-INV 1/7th \$80.57
	Component Description: Amount:	KTIV - LEGAL fees - FEB18 - INV 3950146 4- 16- changed inv date \$49.50
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	Component Description: Amount:	CH 14 NEW FACILITY SHARED WITH KPTH AND KMEG \$1,895.00
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	Component Description:	ATY FEES MA
Application	Amount:	\$453.00
	Component Description:	ATTY FEES CF AUG 17 KTIV
	Amount:	\$2,820.00
	Component Description:	ATTY - CP SEF
	Amount:	17 FEES \$141.00
	Component Description:	ATTY FEES - KTIV - JUNE 17 CP
	Amount:	\$359.00
	Component Description:	Brooks- Legal- KTIV-NOV17-ir
	Amount:	\$329.00
	Component Description:	ATTY FEES CF KTIV MAY17
	Amount:	\$752.00
	Component Description:	Brooks-KTIV- NOV17-legal-in
	Amount:	\$47.00
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	ENGR - CP - \$1,885.00
Project management of the transition	Component Description:	KTIV- PM- 1 THRU 3-18 INV
	Amount:	QC18-047 \$25,387.50
	Component Description:	KTIV-QCOMM- PM-INV QC17- 144 -MAR THRU AUG17- QTE QC17002-RFAS INFO UPLOADED
	Amount:	\$24,187.50
	Component Description: Amount:	KTIV-QCOMM- PM 8-18-17- INV QC18-018 \$23,295.00
Prepare and or review reimbursement form	Information not provided.	
Address transition timing and coordination issues w/other stations and wireless	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Component Description:	ENGR - NEW CHANNEL AND
	Amount:	399 \$2,850.00
	Component Description:	CP ALT CH ANALYSIS
	Amount:	\$5,210.00

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 Co
Other Expenses	\$60,080.00	\$59,515.00		\$2,950.00	
Equipment Storage	\$10,000.00	\$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	\$8,000.00	\$8,000.00	Transport and handling fees from staging area to transmitter site.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$10,000.00	\$10,000.00	Rent 40 yard dumpster with multiple pickups. Estimated 6- months on site. Potential hazardous waste management issues.	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

Total for all systems	\$6,583,931.82	\$6,352,203.56	N/A	\$2,446,193.01	N/A
Sub-total	\$60,080.00	\$59,515.00	N/A	\$2,950.00	N/A
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			fundamental to		
			are		
			announcements		
			of these		
			airing and disseminating		
			production		
change			upheld. The		
channel			must we		
of upcoming			public relations		
announcement			and good will		
air	\$.0,000.00	÷ 10,000.00	announcements		,,
Develop and	\$15,000.00	\$15,000.00	Required FCC	N/A	N/A
Change					
Channel					
Notification of	φυ,υυυ.υυ	ψο,σσσ.σσ	notifications.	I V / 🔼	1 11/7
MVPD	\$5,000.00	\$5,000.00	Required FCC	N/A	N/A
Notification					
Facility	. ,	, ,	·	. ,	
DTV Medical	\$11,550.00	\$11,000.00	N/A	\$2,950.00	N/A
application					
to cover					
2100 license					
FCC Filing Fees - Form	\$335.00	\$325.00	N/A	N/A	N/A

Actual Information Description	File Name	
Equipment Storage		
	Component Description: Amount:	KTIV-Storage inv- part of INV1002 \$3,600.00
Equipment Delivery and Handling Charges	Information not provided.	

Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Component Description:	KTIV-RF Notification-inv- 1005
	Amount:	\$5,000.00
	Component Description:	KTIV-RF NOTIF MED - INV 1029
	Amount:	\$2,950.00
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$6,583,931.82	\$6,352,203.56	\$2,446,193.01

Reimbursem	entestatus	Response
	The facility has ceased operating on its pre- auction channel.	No
	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

Section Question Response

Submission of Estimated Expenses Statements

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.

- 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.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 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.

- 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 abovenamed applicant for the Authorization(s) specified above. BRADY
DREASLER
CORPORATE
DIRECTOR
OF
ENGINEERING

07/27/2018

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (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).

- 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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

- 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 abovenamed applicant for the Authorization(s) specified above. BRADY
DREASLER
CORPORATE
DIRECTOR
OF
ENGINEERING

07/27/2018

Attachments