

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

35434 Service: DTV **KOTV-DT** Channel: 26 (UHF) Facility Call Sign:

0000028007

Number:

ID:

File

FRN: 0015452238 Date 10/28

> Submitted: /2019

#### **Applicant** Information

#### **Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
GRIFFIN LICENSING, L.L. C. Doing Business As: Griffin Licensing, L.L.C.	Trevor Wiseman 7401 N. KELLEY AVENUE OKLAHOMA CITY, OK 73111 United States	+1 (405) 841- 9106	trevor. wiseman@griffincommunications. net	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

The Preparer is same as the reimbursement contact.

### 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	Please see attached Transition Plan Narrative.

## **Transmitters**

5	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	CDP3260P2
	Year	2001
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	64.2 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-80
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	50.1 kW
	Justification for New Transmitter	See attached Transition Plan Narrative

## Primary 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	3 inches
	Length	200.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No

	Туре	N/A
	Size	N/A
	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

#### Primary Transmitter

**Other Transmitter Cost Not Listed** 

Transmitter Information not provided.

#### **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	Auxiliary (Backup)
	Description of Use	Auxiliary (Backup)
	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?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side 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)	869.6 kW

Manufacturer	
Model	TFU-28DSC- R O4
Year	2008

### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	730.0 kW
	Manufacturer	

Model	TFU-30DSC O4A
Year	2018
Justification for New Antenna	See attached Transition Plan Narrative.

#### **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	7 3/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Other Antenna Cost Not Listed** 

Information not provided.

## **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?	No
Existing Antenna  Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Elliptical
	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)	840.0 kW

Manufacturer	
Model	TFU-30GBH- R O8
Year	2008

#### **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?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	574.0 kW
	Manufacturer	

Model	TFU-25JBH /VP-R O8
Year	2018
Justification for New Antenna	See attached Transition Plan Narrative.

### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	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?	Single Channel
	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?	
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** 

Information not provided.

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

## Auxiliary Transmission

## **Existing Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary (Backup)
	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	Dielectric
Line Manufacturer and Type	Туре	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1680 feet per

## Auxiliary Transmission

## Other Transmission Line Expenses Not Listed

n Hine	Description
Sweep Test	Sweep test of existing transmission line to verify ability to support post-auction channel 26

# Primary Transmission Line

## **Existing Transmission Line**

n Line Section	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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1950 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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1950 feet per run
	Justification for New Transmission Line	See attached Transition Plan Narrative.

Other Transmission Line Expenses Not Listed Primary

Other Transmission

Transmission Intoineation not provided.

### 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

## Add Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	
	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?	Yes
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1011355
Coordinates ( <u>NAD83</u> ( North American Datum of 1983))	Latitude (NAD83)	36° 01' 15.0' N-
	Longitude (NAD83)	095° 40' 33.0" W-
	Overall Structure Height	1838.89 fee
	Support Structure Height	1838.89 fee
	Ground Elevation Above Mean Sea Level (AMSL)	709.97 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	TULSA TOWER JOINT VENTURE
Date Constructed	09/01/1984

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

Call Sign	Service
KWTU	FM
KWGS	FM
KWHB	DTV
KOED-TV	DTV
KJRH-TV	DTV
	KWTU  KWGS  KWHB  KOED-TV

#### Primary Tower

#### **Tower Modification Costs**

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Minor Reinforcements needed

### Primary Tower

## **Tower Rigging Costs**

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

## Primary Tower

## Other Tower Expenses Not Listed

Name	Description
Auxiliary antenna replacement	Replace auxiliary antenna

## Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	711
	Explanation	Please see Transition Plan Narrative.
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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	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	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes

For Main Facility	Yes
Prepare request for Special Temporary Authority	Yes
Quantity	1
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	No
Prepare or Review FCC Form 399 for Reimbursement	Yes
Address transition timing and coordination issues w/ other stations and wireless providers	Yes
Comprehensive coverage verification via field study	Yes
RF exposure measurements	Yes
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A
	Prepare request for Special Temporary Authority  Quantity  NEPA Section 106 environmental review  Environmental Assessment  ASR Modification  FAA Consultation (including preparation of FAA Form 7460)  Negotiation of Lease and other Matter for Shared Locations  Prepare or Review FCC Form 399 for Reimbursement  Address transition timing and coordination issues w/ other stations and wireless providers  Comprehensive coverage verification via field study  RF exposure measurements  Additional Field Engineering Service  Number of Days

## Outside Professional Services Costs

## Other Professional Services Expenses Not Listed

Name	Description
Transmitter Installation	MARSAND is retained to install and commission transmitter.

# Other Expenses

Section	Question	Response
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	Yes
	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?	No
	Does this relocation require Equipment Storage?	No
	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

Maria a	Barrier and a state of
Name	Description

Attorney Fee - FCC Filing Fee	FCC Filing fees associated with Repack.
Attorney Fee - Review Work Form 387	Review and Work on Form 387 for KO
Aux Antenna - RFreight	Aux Antenna - RFreight, shipping, and handling as per Dielectric invoice attached SO 87002 KOTV Invoice MAN00153.pdf line item 30.
Main Antenna - RFreight	Main Antenna - RFreight, shipping, and handling as per Dielectric invoice attached SO 87002 KOTV Invoice MAN00153.pdf line item 32.
Site Prep Equipment	To receive in equipment and move around parts for install a pallet jack was required to be purchased.
Tower Site Security	Tower site does not have security cameras. KOTV adding security cameras for security purposes of storing millions of dollars worth of repack at KOTV's building at tower site.
Transmitter Shipping-Handling	Shipping - Handling for GatesAir Transmitter as per attached quote - KOTVULXTE80.pdf
Site Prep - TX Space	Site prep for space new transmitter will be installed in / wall furring - inclosure.

# **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 Cost Justification
Primary Transmitter ULXTE-80	\$1,475,651.59	\$1,473,151.59		\$1,427,051.59	
UHF - Liquid Cooled Solid State Transmitter 50.1 kW	\$497,448.36	\$497,448.36	Upated UHF Transmitter Description as per FCC email received on 8/9 /2019. As per instructions of 399 the adjustment to description created a new cost component. This is for Final invoice to GatesAir.	\$497,448.36	Received requested by FCC on 8/9/2019 requesting the description of the transmitter to be changed to 50.1kw to match final GatesAir Invoice. This caused a new cost estimate line item for the 50.1 kw item.
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$9,800.00	N/A	N/A	N/A

UHF -	\$929,603.23	\$929,603.23	***System	\$929,603.23	Received
Liquid			Notice:		requested
Cooled			Estimate		by FCC or
Solid State			adjusted and		8/9/2019
Transmitter			locked because		requesting
63 kW			line has been		the
			superseded.		description
			***Refer to		of the
			quote GA-		transmitte
			00023857 -		to be
			KOTVULXTE80.		changed to
			PDF. The		50.1kw to
			estimated cost		match fina
			on this quote		GatesAir
			was verified as		Invoice.
			part of 399 and		This
			according to		caused a
			our verfication		new cost
			letter was		estimate
			approved for		line item
			this amount.		for the 50.
			The first third of		kw item.
			this same quote		
			was paid 11		
			/2017.		
Sub-total	\$1,475,651.59	\$1,473,151.59	N/A	\$1,427,051.59	N/A
Total for all systems	\$3,855,893.38	\$4,040,442.38	N/A	\$2,094,330.20	N/A

## Components

Actual Information Description	File Name	
UHF - Liquid Cooled Solid State Transmitter 50.1 kW	Component Description:  Amount:	Final Payment - Transmitter Received. \$497,448.36
Switchgear - industrial 800 amp	Information not provided.	
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

UHF - Liquid Cooled Solid State Transmitter 63 kW

Component Description: GatesAir 1/3 ARO -

down payment for transmitter - As per Quote GA-00023857

**Amount:** \$453,919.37

Component Description: Invoice 2 of 3 for

Transmitter - 33%
Prior to Ship Invoice
- GatesAir - KOTV
JW30004177-2

**Amount:** \$475,683.86

Component Description: Transmitter

Payment Invoice 3 of 3 - Final -Equipment

Received. Updated

Equipment

Description as per request and it created a new line. Moving component under Transmitter for 50.1kw cost

estimate.

Amount: N/A

# **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
Primary Antenna TFU-25JBH /VP-R O8	\$308,530.00	\$538,520.00		\$254,208.90	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$31,920.00	Please see transition plan narrative and attached Dielectric Main Antenna Quote for base and upgrade.	\$7,900.20	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Please see transition plan narrative and attached Dielectric Main Antenna Quote for base and upgrade.	\$4,224.00	N/A

UHF - High Power Top Mount (200- 1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$500,200.00	Antenna is the bottom antenna in a stacked set and predetermined costs will likely double. For details, see attached Transition Plan Narrative and attached Dielectric Main Antenna Quote for base and upgrade.	\$242,084.70	N/A
Auxiliary Antenna TFU-30DSC O4A	\$316,390.00	\$313,800.00		\$129,142.20	
UHF - High Power, Side Mount, basic slot antenna, 730 kW input, elliptically or circularly polarized	\$264,400.00	\$264,400.00	See Transition Plan Narrative and attached Dielectric Aux Antenna Quote for base and upgrade.	\$106,177.50	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	Please see transition plan narrative and attached Dielectric Aux Antenna Quote for base and upgrade.	\$4,224.00	N/A
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	\$16,850.00	\$16,000.00	Please see transition plan narrative and attached Dielectric Aux Antenna Quote for base and upgrade.	\$7,900.20	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$10,840.50	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Sub-total	\$624,920.00	\$852,320.00	N/A	\$383,351.10	N/A
Total for all systems	\$3,855,893.38	\$4,040,442.38	N/A	\$2,094,330.20	N/A

## Components

Actual Information Description	File Name	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	Elbow Complex 6- 75 Digit KOTV Main. Item 4 on invoice - Prior to Ship 33%
	Amount:	\$3,950.10
	Component Description:	Elbow Complex 6- 75 Digit KOTV Main. Item 4 on invoice - first 33%
	Amount:	\$3,950.10
Sweep test of existing antenna		
	Component Description:	Sweep - on-site for KOTV Main. Item 33 on invoice, first 33%.
	Amount:	\$2,112.00
	Component Description:	Sweep - on-site for KOTV Main. Item
	Amount:	33 on invoice, Prior to Ship 33%. \$2,112.00

UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized	Component Description:	UHF Main Antenna, VPOL, Top Plate. Items 1,2,3 on invoice. Prior to Ship 33%.
	Amount:	\$121,042.35
	Component Description:	UHF Main Antenna, VPOL, Top Plate. Items 1,2,3 on
	Amount:	invoice. First 33%. \$121,042.35
UHF - High Power, Side		
Mount, basic slot antenna, 730 kW input, elliptically or circularly polarized	Component Description:	UHF - Side Mount Aux Antenna KOTV. Item 24
	Amount:	invoice. First 33% \$53,088.75
	Component Description:	UHF - Side Mount Aux Antenna KOTV. Item 24
	Amount:	invoice. Prior to Ship 33% \$53,088.75
Sweep test of existing antenna		
	Component Description:	Sweep on-site KOTV Aux. Item 31 on invoice. First 33%.
	Amount:	\$2,112.00
	Component Description:	Sweep on-site KOTV Aux. Item 31 on invoice. Prior to
	Amount:	Ship 33% \$2,112.00

Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	Component Description:	Elbow complex 6- 75 KOTV Aux, item 27 on invoice. First
	Amount:	33%. \$3,950.10
	Component Description:	Elbow complex 6- 75 KOTV Aux, item 27 on invoice. Prior
	Amount:	to Ship 33%. \$3,950.10
Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description:	KOTV Aux Side Mounts, also includes scatter study. Item 26 on invoice. First 33%
	Amount:	\$5,420.25
	Component Description:	KOTV Aux Side Mounts, also includes scatter study. Item 26 on invoice. Prior to
	Amount:	Ship 33% \$5,420.25
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	

#### **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 Co
Primary Transmission Line	\$393,900.00	\$404,600.00		\$210,437.86	
Rigid Transmission Line - copper, 6 1/8"	\$393,900.00	\$404,600.00	Please see transition plan narrative and attached Dielectric Main Antenna Quote for base and upgrade.	\$210,437.86	N/A
Auxiliary Transmission Line	\$6,751.00	\$6,751.00		\$6,751.00	
Sweep Test	\$6,751.00	\$6,751.00	Transmission line manufacturer recommends testing the line for ability to support post- auction channel 26. See attached Auxiliary line sweep recommendation.	\$6,751.00	Requester receipts for lodging and adjusting mileage at per notification sent by Leila Gonzale dated 2019082 Will refile once received
Sub-total	\$400,651.00	\$411,351.00	N/A	\$217,188.86	N/A
Total for all systems	\$3,855,893.38	\$4,040,442.38	N/A	\$2,094,330.20	N/A

## Components

File Name	
Component Description:	Rigid Transmission Line, TLSCR's, Reducer, and Test port. Items 5, 9, 28, and 29 on invoice. Prior to Ship 33%.
Amount:	\$105,218.93
Component Description:	Rigid Transmission Line, TLSCR's, Reducer, and Test port. Items 5, 9, 28, and 29 on invoice. First 33%.
Amount:	\$105,218.93
Component Description:	Requested receipts for lodging and adjusting mileage as per notification sent by Leila Gonzalez dated 20190827. Will refile once received.
	Component Description:  Amount:  Component Description:

### **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	\$791,600.00	\$762,000.00		\$0.00	
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	N/A	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	N/A	N/A
Auxiliary antenna replacement	\$200,000.00	\$200,000.00	N/A	\$0.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	Tower has a stacked antennas. Please see transition plan narrative.	N/A	N/A
Sub-total	\$791,600.00	\$762,000.00	N/A	\$0.00	N/A
Total for all systems	\$3,855,893.38	\$4,040,442.38	N/A	\$2,094,330.20	N/A

### Components

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 Co
Outside Professional Services	\$416,793.00	\$404,192.00		\$16,260.50	
Transmitter Installation	\$160,600.00	\$160,600.00	MARSAND to install and commission transmitter. Please see attached MARSAND quote 1756.	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$440.50	N/A

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	\$767.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	\$1,850.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,250.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$6,500.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Project management of	\$112,338.00	\$106,650.00	N/A	N/A	N//
			Additional cost (s) are related to attorney fees.		Addition (s) are reto atto
			review.		revie
			Engineering		Engine
			account		acco
			only taken in		only tak
			Cost due to		Cost d
form			and Estimated		and Esti
reimbursement			Predetermined		Predeter
Prepare and or review	\$2,630.00	\$3,192.00	over	\$3,192.00	Sub-1
	\$2,630.00	\$3,192.00	Sub-Total	\$3,192.00	Sub-T
File FCC Form 2100 (main), Construction Permit Application					
Prepare and	<b>\$</b> 5,2 <b>6</b> 0.00	\$5,000.00	N/A	\$1,261.00	IN/
Attorney Fees -	\$5,260.00	\$5,000.00	N/A	\$1,261.00	N/
Temporary Authorization					
request for Special					
Prepare	\$2,050.00	\$1,500.00	N/A	N/A	N/.
License to Cover Application					
section of FCC Form 2100,					
Prepare engineering					
Aux Antenna:					
Engineer Fees-	ψ1,000.00	Ψ1,000.00	14/71	14//	14/
RF Consulting	\$1,580.00	\$1,500.00	N/A	N/A	N/
Form 2100 (main), License to Cover Application					
engineering section of FCC					

Sub-total	\$416,793.00	\$404,192.00	N/A	\$16,260.50	N/A
Total for all systems	\$3,855,893.38	\$4,040,442.38	N/A	\$2,094,330.20	N/A

## Components

Actual Information Description	File Name	
Transmitter Installation	Information not provided.	
RF Exposure Measurements	Information not provided.	
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 -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description:  Amount:	Form 2100 - Schedule A Modification App / Draft App to reassign to new channel pursuant to post-auction repack. \$440.50
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Component Description:  Amount:	Prepare draft app for new aux system, FCC Form 2100 aux antenna, finalize and file form 2100 aux antenna for KOTV. \$767.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Component Description: Amount:	Prepare engineering section of FCC Form 2100, CP (AUX). \$1,850.00

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Prepare engineering section of FCC Form 2100, CP Main
	Amount:	\$2,250.00
Perform engineering study for new channel assignment and antenna development	Component Description:  Amount:	Perform engineering study for new channel assignment and antenna development - complex system: multi-channel, shared combiner, multi-tenant site \$6,500.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit	Component Description:	FCC Form 2100
Application		construction permit
	A	app for KOTV
	Amount:	\$630.50
	Component Description:	Attorney call and
	Component Decomponent	prep work regarding KOTV FCC Form
		2100 and 399.
	Amount:	\$194.00
	Component Description:	Combined work on
		FCC form 2100 and 399. Finalize and file
		FCC form 2100 and
		399 for KOTV.
	Amount:	\$436.50
Prepare and or review reimbursement form		
	Component Description:	KOTV Form 399
	A	Preparation
	Amount:	\$291.00
	Component Description:	Work on FCC form
	Component Description.	399 for KOTV,
		submit FCC form
		399 and minor mod
		app and download
		full file copies.
	Amount:	\$401.00
		_
	Component Description:	Prepare and/or
		review reimbursement form.
	Amount:	\$2,500.00
	7.111041111	Ψ=,500.00
Project management of the transition	Information not provided.	

## 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
Other Expenses	\$146,277.79	\$137,427.79		\$50,478.15
Transmitter Shipping- Handling	\$19,962.24	\$19,962.24	Shipping - Handling for GatesAir Transmitter	\$19,962.24
Tower Site Security	\$1,751.89	\$1,751.89	Tower site does not have security cameras. KOTV adding security cameras for security purposes of storing millions of dollars worth of repack at KOTV's building at tower site.	\$1,751.89
Site Prep Equipment	\$2,591.50	\$2,591.50	To receive in equipment and move around heavy equipment for install a pallet jack was required to be purchased. Also, includes a forklift rental and strapping equipment to move heavy transmitter gear into storage.	\$2,391.50
Main Antenna - RFreight	\$22,318.00	\$22,318.00	Main Antenna - RFreight, shipping, and handling as per Dielectric invoice attached SO 87002 KOTV Invoice MAN00153.pdf line item 32.	\$14,729.88
Aux Antenna - RFreight	\$9,678.00	\$9,678.00	Aux Antenna - RFreight, shipping, and handling as per Dielectric invoice attached SO 87002 KOTV Invoice MAN00153.pdf line item 30.	\$6,387.48
Attorney Fee - Review Work Form 387	\$1,000.00	\$1,000.00	Attorney Fees associated with reviewing FCC Form 387 for KOTV.	\$509.00

Attorney Fee - FCC Filing Fee	\$1,070.00	\$1,070.00	FCC Filing Fees - KOTV Repack - Attorney fees	\$0.00
Develop and air announcement of upcoming channel change	\$43,000.00	\$43,000.00	Cost estimates associated with outsourcing the production of the viewer announcements for the upcoming channel change. Refer to KOTV GMSRepackRescanEstimate. pdf in the attachments.	\$0.00
Disposal Costs (for equipment and other waste, net of any salvage value)	\$27,000.00	\$27,000.00	Existing transmitter removal and fluid recovery. Remove and dispose of existing main and auxiliary antennas and transmission line. See attached MARSAND quote 1755.	\$780.00
DTV Medical Facility Notification	\$11,550.00	\$2,755.00	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A
MVPD Notification of Channel Change	\$750.00	\$750.00	Please see attached MVPD Notification Quote.	N/A
Site Prep - TX Space	\$3,966.16	\$3,966.16	Site where the new transmitter is being installed required some re-work of the wall inclosure.	\$3,966.16

Sub-total	\$146,277.79	\$137,427.79	N/A	\$50,478.15
Total for all systems	\$3,855,893.38	\$4,040,442.38	N/A	\$2,094,330.2

## Components

Actual Information Description	File Name	
Transmitter Shipping- Handling	Component Description: Amount:	FREIGHT \$19,962.24
Tower Site Security	Component Description:	Tower site does not have security cameras. KOTV adding security
		cameras for security purposes of storing millions of dollars worth of repack at KOTV's building at tower site.
	Amount:	\$1,751.89
Site Prep Equipment		
	Component Description:	Web sling for lifting heavy equipment. Initial charge was 73.74, refund of 15.18 for items not used. Reimbursement request for 58.56
	Amount:	\$58.56

**Component Description:** Dolly equipment.

> Initial charge 180.09, returned items not used at a refund of 115.01. Charges requested for

reimbursement equal

65.08.

\$65.08 Amount:

**Component Description:** Forklift Rental

Amount: \$863.37

**Component Description: Heavy Load Lifting** 

> Straps to move around new tx cabinets into place

for install.

Amount: \$77.16

**Component Description:** To receive in

> equipment and move around parts for install a pallet jack was required to be

purchased.

Amount: \$301.12

**Component Description:** Gantry Crane and

> components required to lift trasnmitter equipment into place at site. Less Gift Card

Amount: \$1,026.21

Main Antenna - RFreight		
	Component Description:	Main Antenna Freight, Shipping,
		and Handling - 1/3
		ARO invoice amount
		as per invoice line
		item 32 - SO 827002
		KOTV Invoice
		MAN00153.pdf
	Amount:	\$7,364.94
	Component Description:	Main Antenna
		Freight, Shipping,
		and Handling - 2/3
		Prior to Ship invoice amount as per
		invoice line item 32
	Amount:	\$7,364.94
Aux Antenna - RFreight	Component Description	Aux Antonna Fraight
	Component Description:	Aux Antenna Freight, Shipping, and
		Handling - 2/3 Prior
		to Ship invoice
		amount as per
		invoice line item 30
	Amount:	\$3,193.74
	Component Description:	Aux Antenna Freight,
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Shipping, and
		Handling - 1/3 ARO
		invoice amount as
		per invoice line item
		30 - SO 827002
		KOTV Invoice
		MAN00153.pdf
	Amount:	\$3,193.74

Attorney Fee - Review Work Form 387		
5 50 <i>1</i>	Component Description:	Review draft KOTV schedule 387 3Q
		2017 report.
	Amount:	\$97.00
	Component Description:	Review draft form 387 transition
	Amount:	progress report. \$106.00
	Component Description:	Work on KOTV FCC
		Form 387 quarterly filing.
	Amount:	\$106.00
	Component Description:	Work on KOTV FCC
		Form 387 quarterly filing.
	Amount:	\$100.00
	Component Description:	Review KOTV Form
	Amount:	387 \$100.00
Attorney Fee - FCC Filing		
	Component Description:	KOTV Repack FCC Filing Fees - Attorney Fees
	Amount:	\$1,070.00
Develop and air announcement of upcoming channel change	Information not provided.	

Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:	12 YARD DELIVERY - receipt for the dumpster for unpacking and placing the new transmitter for KOTV- DT FIN: 35434
	Amount:  Component Description:	\$390.00  Onsite construction /
	Amount:	scrap dumpster. \$390.00
DTV Medical Facility Notification	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
MVPD Notification of Channel Change	Information not provided.	

Site Prep - TX Space **Component Description:** Drywall and wall construction around new KOTV-DT CH26 Transmitter. \$3,739.60 Amount: **Component Description:** Wall prep and paint. Amount: \$80.16 **Component Description:** Site prep Amount: \$5.54

**Component Description:** Wall prep and paint. **Amount:** \$140.86

### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,855,893.38	\$4,040,442.38	\$2,094,330.20

Reimburseme	eft Status	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 abovenamed 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. Trevor Wiseman VP of Technology

10/28/2019

#### **Attachments**