

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Channel: 16 (UHF) Service: DTV Call **KBTX-TV** Facility Sign:

File 0000028641

Number:

ID:

FRN: 0018223693 Date 06/18

> Submitted: /2020

#### **Applicant** Information

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

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC	KBTX-TV 6700 AMERICAN PLAZA WACO, TX 76712 United States	+1 (254) 776-1330	robert. folliard@gray. tv	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
Samuel Hariton Widelity	Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.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.	No
Briefly describe transition plan	The station will be replacing the existing main transmitter, antenna, and transmission line. The auxiliary antenna and transmitter will be replaced, while the auxiliary transmission line will be reused.

#### **Transmitters**

Section	Question	Response
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

# Auxiliary Transmitter

# Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Backup Transmitter
	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 and Type	Manufacturer	
	Model	Diamond CD
	Year	2004
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	5 kW

# Auxiliary Transmitter

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9EVO- 12
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19 kW
	Justification for New Transmitter	Existing Ch50 Harris Diamond CD transmitter cannot be retuned. A new Transmitter is necessary for the assigned CH16 buildout.

# Auxiliary Transmitter

#### **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No

	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
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	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Improvement	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	15

# Auxiliary Transmitter

#### **Other Transmitter Cost Not Listed**

Name	Description
Ice Shield	Ice Shield and Concrete Pads for Aux Transmitter heat exchanger
Auxiliary transmitter installation	Installation of auxiliary transmitter

# 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	Power CD
	Year	2008
	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	THU9EVO- 40
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	61 kW
	Justification for New Transmitter	Existing CH50 transmitter cannot be retuned for the assigned CH16 frequency

#### Primary Transmitter

# **Other Transmitter Costs**

Service Entrance (3 phases 800A 208V)	
,	No
Switchgear (industrial 800 amp)	No
Transformer (480V)	Yes
Power	500 kVA
Rigid Conduit and Wiring	Yes
Size	3 inches
	Transformer (480V)  Power  Rigid Conduit and Wiring

Other Electrical Service No	150.0 feet No N/A
Description N	V/A
HVAC Service Does the replacement transmitter require HVAC Service?	Yes
	Cooling Only
Size 20	20 tons
Other Size N	N/A
Transmitter Building Addition/Modification or Leasehold Improvement  Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Size N	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 30	30

#### Primary Transmitter

#### **Other Transmitter Cost Not Listed**

Name	Description
Primary transmitter installation	Installation of primary transmitter
Portable Transmitter Building	Repack equipment requirements require more space allowed by current transmitter building. Portable bldg will house additional required equipment.

#### **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?	Yes
	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	Not in Stack
	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)	1000.0 kW

Manufacturer	
Model	TFU30GTH /VP-R- 6T140
Year	2007

#### **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?	Yes
	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	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)	705.0 kW
	Manufacturer	
		1

Model	TFU-19ETT /VP-R 6T140 (SP)
Year	2018
Justification for New Antenna	Existing antenna used for CH50 is not broadband and cannot be retuned for the assigned CH16 frequency

#### **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	7 3/16 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.

#### 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?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New 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/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)	280.0 kW
	Manufacturer	
	Model	ALP24M4- HSOC-16
	Year	2018

Justification for New Antenna	Existing antenna used for channel 50 is not broadband and cannot be returned

#### Interim Antenna

#### **Other Antenna Costs**

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
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

#### 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

# **Existing Transmission Line**

Settion	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	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 Line Manufacturer and Type	Manufacturer	Dielectric
	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	1690 feet per run

#### Other Transmission Line Expenses Not Listed

**Primary** 

Transmission Line Description **Transmission Line Accessories** accessories needed for the existing

transmission line

New Transmission Line Interim

Interim	New Transmission Line			
Transmissio	on Line Section	Question	Response	
	New Transmission Line	Use	Interim	
	Costs	Description of Use	N/A	
		Change Type	Purchase New	
		Туре	Flexible Air	
		Diameter	4 inches	
		Segment Length	N/A	
		Other Segment Length		
		Number of parallel runs	1	
		Length	170 feet per run	
		Justification for New Transmission Line	The upper half of the current line was found damaged during the RF sweep test and requires to be replaced.	

Other Transmission Line Expenses Not Listed Interim

Transmission loine tion 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

#### **Existing 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?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	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	1062868
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	30° 33' 16.5" N-
	Longitude (NAD83)	096° 01' 52.3" W-
	Overall Structure Height	1649.91 fee
	Support Structure Height	1600.05 fee
	Ground Elevation Above Mean Sea Level (AMSL)	331.69 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Gray Television Group, Inc.
Date Constructed	05/01/2009

## 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:	Serious Reinforcements needed

## Primary Tower

# **Tower Rigging Costs**

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

#### Primary Tower

# Other Tower Expenses Not Listed

Name	Description
Tower Analysis and Mapping	Tower Analysis and Mapping performed by TCI in 2016

#### Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	900
	Explanation	Strategic Planning
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	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	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	1
NEPA Section 106 environmental review	No
Environmental Assessment	No
ASR Modification	Yes
FAA Consultation (including preparation of FAA Form 7460)	Yes
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	No
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A
	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

# Other Professional Services Expenses Not Listed

al	Services Costs	Description
	Attorney Fees - Other Matters	Legal Services

# 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	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)?	No
	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
License to Cover Aux Filing Fees	License to Cover Aux Filing Fees

# **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 THU9EVO-40	\$2,334,445.98	\$1,608,765.48		\$485,031.93	
Portable Transmitter Building	\$8,356.39	\$8,356.39	per PO- 001275	\$8,356.39	N/A
Primary transmitter installation	\$148,254.59	\$148,254.59	Please see KBTX-TV Marsand quote 1937revA for this and Auxiliary Transmitter Installation	\$74,127.29	N/A
Additional field engineering time, 10-30 days	\$63,100.00	\$64,950.00	Includes state and local tax	N/A	N/A
Channel 14 Mask Filter	\$189,500.00	\$128,625.00	per KBTX- 110-Channel 14 mask filter Budget Increase Justification v0	\$32,156.25	N/A
RF Consulting Engineer	\$5,260.00	\$5,412.50	State and local taxes	N/A	N/A

Other HVAC Service Type: C Size:20 (Other)	\$75,775.00	\$75,775.00	18 ton unit (20 ton selected due to LMS	\$75,775.00	N/A
			limitation) per KBTX		
			Anderson		
			Tower		
			Mitsubishi		
			City Multi		
			Proposal		
3" Rigid Conduit and Wiring (Cost per foot)	\$7,800.00	\$7,350.00	N/A	N/A	N/A
Transformer 3 phase/480v - 500 KVA	\$48,400.00	\$46,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 52	\$1,788,000.00	\$1,124,042.00	Please see Rohde & Schwarz Quote	\$294,617.00	N/A
- 61 kW			117710.2 &		
			Change		
			Order		
			247256.1		
Auxiliary Transmitter THU9EVO-12	\$1,016,485.00	\$606,920.50		\$142,095.50	
RF Consulting	\$5,260.00	\$5,412.50	State and	N/A	N/A
Engineer			local taxes		
Additional field		<b>COLOTO 00</b>	Includes	N/A	N/A
	\$63,100.00	\$64,950.00	includes		
engineering	\$63,100.00	\$64,950.00	state and		
	\$63,100.00	\$64,950.00			
time, 10-30 days UHF - Liquid	\$63,100.00 \$684,000.00	\$367,733.00	state and local tax  Please see	\$99,420.50	N/A
time, 10-30 days UHF - Liquid Cooled Solid			state and local tax  Please see Estimated		N/A
time, 10-30 days UHF - Liquid Cooled Solid State			state and local tax  Please see Estimated Cost		N/A
time, 10-30 days  UHF - Liquid Cooled Solid State Transmitter			Please see Estimated Cost Justification		N/A
time, 10-30 days UHF - Liquid Cooled Solid State			state and local tax  Please see Estimated Cost		N/A
time, 10-30 days  UHF - Liquid Cooled Solid State Transmitter			Please see Estimated Cost Justification KBTX-150-		N/A
time, 10-30 days  UHF - Liquid Cooled Solid State Transmitter			Please see Estimated Cost Justification KBTX-150- New		N/A

Sub-total	\$3,350,930.98	\$2,215,685.98	N/A	\$627,127.43	N/A
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	\$8,000.00	\$8,000.00	N/A	N/A	N/A
Channel 14 Mask Filter	\$189,500.00	\$94,200.00	Please see R&S quote 118001.2 and KBTX- 150-Channel 14 mask filter Budget Increase Justification v0	\$23,550.00	N/A
Auxiliary transmitter installation	\$38,250.00	\$38,250.00	Please see KBTX-TV Marsand quote 1937revA for this and Primary Transmitter Installation	\$19,125.00	N/A
Ice Shield	\$28,375.00	\$28,375.00	See attached Jay Burch Construction, Inc. estimate #314.	N/A	N/A

Total for all	\$5,486,674.03	\$3,989,605.51	N/A	\$1,782,066.90	N/A
systems					

#### Components

Actual Information Description	File Name	
Portable Transmitter Building	Component Description: Amount:	Classic Barn- \$8,356.39
Primary transmitter installation	Component Description:  Amount:	Install, Commission and Proof 4 Cabinet Liquid Cooled Solid State Transmitter: \$74,127.29
Additional field engineering time, 10-30 days	Information not provided.	
Channel 14 Mask Filter	Component Description:  Amount:	KBTX-110- Channel 14 mask filter \$32,156.25
RF Consulting Engineer	Information not provided.	
Other HVAC Service Type: C Size:20 (Other)	Component Description:  Amount:	Mitsubishi City Multi Mini Split System Install For New Transmitter \$75,775.00
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v - 500 KVA	Information not provided.	

UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW		
State Transmitter 52 - 61 kW	Component Description:	R&S MAIN
		Transmitter FCC
		Repack
	Amount:	\$18,142.00
	Component Description	DP
	Component Description: Amount:	\$276,475.00
RF Consulting Engineer	Information not provided.	
Additional field engineering time, 10-30 days	Information not provided.	
UHF - Liquid Cooled Solid		
State Transmitter 14.2 - 20 kW	<b>Component Description:</b>	KBTX-150-New
KVV		Auxiliary
		Transmitter
	Amount:	\$9,983.00
	Component Description:	KBTX-150-New
		Auxiliary
		Transmitter
	Amount:	\$89,437.50
Ice Shield	Information not provided.	
Auxiliary transmitter	Information not provided.	
Auxiliary transmitter	Information not provided.  Component Description:	KBTX-150-New
Auxiliary transmitter		Auxiliary
Ice Shield  Auxiliary transmitter installation		Auxiliary Transmitter -
Auxiliary transmitter	Component Description:	Auxiliary Transmitter - Installation
Auxiliary transmitter		Auxiliary Transmitter -
Auxiliary transmitter	Component Description:	Auxiliary Transmitter - Installation
Auxiliary transmitter installation	Component Description:	Auxiliary Transmitter - Installation
Auxiliary transmitter installation	Component Description:  Amount:	Auxiliary Transmitter - Installation \$19,125.00  KBTX-150- Channel 14 mask
Auxiliary transmitter installation	Component Description:  Amount:	Auxiliary Transmitter - Installation \$19,125.00

Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.

Information not provided.

# **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 Cos
Interim Antenna ALP24M4- HSOC-16	\$196,230.00	\$55,901.88		\$55,765.08	
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$49,501.88	See DTVPros Quote JEHQ1545 Includes shipping costs	\$49,365.08	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
Primary Antenna TFU-19ETT /VP-R 6T140 (SP)	\$310,130.00	\$284,661.60		\$190,157.60	
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$28,056.00	DTV Pros quote JEHQ1249- 04	\$11,448.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	DTVPros Quote JEHQ1249- 04	\$4,800.00	N/A

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized  Sub-total \$506,360.00 \$340,563.48 N/A \$245,922.68 N/A  Total for all systems						
Total for \$5,486,674.03 \$3,989,605.51 N/A \$1,782,066.90 N/A all	Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly	\$289,500.00	\$250,205.60	quote JEHQ1249- 04 Includes shipping	\$173,909.60	N/A
all	Sub-total	\$506,360.00	\$340,563.48	N/A	\$245,922.68	N/A
	all	\$5,486,674.03	\$3,989,605.51	N/A	\$1,782,066.90	N/A

# Components

Actual Information Description	File Name	
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	Component Description: Amount:	UHF-Lower Power Side Mount \$26,114.14
	Component Description:  Amount:	UHF-LOWER POWER SIDE MOUNT \$23,250.94
Sweep test of existing antenna	Component Description: Amount:	KBTX-280- Sweep Test New Interim Antenna \$6,400.00

Elbow complex, single channel, at antenna input, **Component Description:** KBTX-210-Elbow per 7 3/16. feedline (if complex new needed) primary antenna \$4,579.20 Amount: **Component Description:** KBTX-210-Elbow complex new primary antenna Amount: \$3,052.80 **Component Description:** KBTX-210-Elbow complex new primary antenna \$3,816.00 Amount: Sweep test of existing antenna **Component Description:** KBTX-210-Sweep test new primary antenna Amount: \$1,920.00 **Component Description:** KBTX-210-Sweep test new primary antenna Amount: \$1,600.00 **Component Description:** KBTX-210-Sweep test new primary antenna \$1,280.00 Amount:

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

Component Description: UHF-HIGH

POWER TOP MOUNT (200-1000KW)

**Amount:** \$66,969.60

Component Description: UHF- HIGH

POWER TOP

MOUNT

**Amount:** \$55,808.00

Component Description: UHF-HIGH

POWER TOP MOUNT (200-

1000KW)

**Amount:** \$51,132.00

# **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
Interim Transmission Line	\$12,580.00	\$43,660.68		\$43,453.48	
Flexible Air Transmission Line - dielectric, 4"	\$12,580.00	\$43,660.68	see Estimated Cost Justification KBTX-380- Interim Transmission Llne v0	\$43,453.48	N/A
Primary Transmission Line	\$25,765.60	\$25,765.60		\$25,748.20	
Transmission Line Accessories	\$25,765.60	\$25,765.60	per DTVPros Quote JEHQ1249- 04 (lines 4-9)	\$25,748.20	N/A
Sub-total	\$38,345.60	\$69,426.28	N/A	\$69,201.68	N/A
Total for all systems	\$5,486,674.03	\$3,989,605.51	N/A	\$1,782,066.90	N/A

# Components

<b>Actual Information</b>	
Description	File Name

Flexible Air Transmission Line - dielectric, 4"		
Line - dielectric, 4	Component Description:	FLEXIBLE
		TRANSMISSION
	Amount:	LINE \$20,330.34
	Amount:	<b>\$20,330.34</b>
	Component Description:	Flexible
		transmission line
	Amount:	\$23,123.14
Transmission Line		
Accessories	Component Description:	KBTX-310-Primary
		Transmission Line -
		Accessories
	Amount:	\$11,577.12
	Component Description:	KBTX-310-Primary
		Transmission Line -
		Accessories
	Amount:	\$7,729.68
	Component Description:	KBTX-310-Primary
	parama a a a a a a a a a a a a a a a a a	Transmission Line -
		Accessories
	Amount:	\$6,441.40

### **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	\$1,291,337.50	\$1,056,051.95		\$721,320.00	
Tall Tower (greater than 500')	\$210,500.00	\$550,624.45	See attached TCI proposal TCI-17- 136, this proposal address the installation of both the main antenna and the interim antenna.	\$409,056.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,990.00	Includes state and local taxes	\$10,180.00	N/A
Tower Analysis and Mapping	\$16,237.50	\$16,237.50	TCI-16-176	\$0.00	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$476,200.00	TCI-17-136	\$302,084.00	N/A
Sub-total	\$1,291,337.50	\$1,056,051.95	N/A	\$721,320.00	N/A
Total for all systems	\$5,486,674.03	\$3,989,605.51	N/A	\$1,782,066.90	N/A

#### Components

Actual Information Description	File Name	
Tall Tower (greater than 500')	Component Description: Amount:	KBTX-410-Tall Tower Rigging Existing Tower \$156,981.00
	Component Description: Amount:	Guy Wire Replacement \$98,310.00
	Component Description:  Amount:	Engineering, materials, labor services, project management \$65,555.00
	Component Description: Amount:	Phase 1 - 4" Flex Line Replacement \$22,655.00
	Component Description: Amount:	Phase 2 - Tower Modifications and Auxiliary Antenna \$65,555.00

Structural engineering tower load study for well		
documented tower	Component Description:	Services rendered
		by Tower Consultants, Inc.
		in connection with
		analysis prepared
		for listed project
	Amount:	\$5,260.00
	Allouit.	ψ0,200.00
	Component Description:	Services rendered
		by Tower
		Consultants, Inc.
		in connection with
		analysis prepared
		for one (1) load
	A	case
	Amount:	\$4,920.00
Tower Analysis and Mapping	Information not provided.	
Serious tower reinforcement		
modifications	<b>Component Description:</b>	Tower
		Modifications and
		Auxilliary Antenna
		Installation
		Services
	Amount:	\$302,084.00

### **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 Cost Justification
Outside Professional Services	\$261,690.00	\$277,555.63		\$112,117.05	
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,623.75	Includes state and local taxes.	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,623.75	Includes state and local taxes.	\$250.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,247.50	Includes state and local taxes.	\$925.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$16,565.00	Increased cost for channel 16 Chesapeake RF Consultants invoice #4785	\$16,540.00	N/A

Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,706.25	Includes state and local taxes.	\$148.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,706.25	Includes state and local taxes.	N/A	N/A
Project management of the transition	\$142,200.00	\$146,137.50	Includes state and local taxes.	\$93,687.55	N/A
Attorney Fees - Other Matters	\$370.00	\$370.00	see Estimated Cost Justification KBTX-550- Attorney Fees - Other Matters v0	\$370.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$86,600.00	Includes state and local taxes.	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,165.00	Includes state and local taxes.	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,165.00	Includes state and local taxes.	N/A	N/A

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,797.50	Includes state and local taxes.	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,435.63	Includes state and local taxes.	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,412.50	Includes state and local taxes.	\$196.50	N/A
Sub-total	\$261,690.00	\$277,555.63	N/A	\$112,117.05	N/A
Total for all systems	\$5,486,674.03	\$3,989,605.51	N/A	\$1,782,066.90	N/A

#### Components

Actual Information Description	File Name
Prepare request for Special Temporary Authorization	Information not provided.

Prepare engineering section of FCC Form 2100 **Component Description:** KBTX-530-RF Eng (main), License to Cover 2100 License to Application Cover \$250.00 Amount: **Component Description:** Prepare engineering section of FCC Form 2100, Construction Permit Application Amount: \$1,650.00 Prepare engineering section of FCC Form 2100 **Component Description:** Consulting (main), Construction Permit Engineer Application Amount: \$800.00 **Component Description:** Engineering Consulting Amount: \$125.00 **Component Description:** Prepare engineering section of FCC Form 2100, Construction Permit Application **Amount:** \$1,650.00 Perform engineering study for new channel **Component Description:** Provide coverage assignment and antenna contour map and development associated population counts regarding side mount interim

Amount:

population counts regarding side mount interim antenna at 2 transmitter power levels, & compare '90 day' Ch 14 CP \$250.00 **Component Description:** Channel study **Amount:** \$550.00

Component Description: Revisit prior

channel study to identify alternate channels in lieu of repack Ch-14. Provide summary regarding use of Ch-16. Develop final ERP for sub, prep of engineering portion of FCC app.

**Amount:** \$3,287.50

Component Description: Regarding app for

channel change of TV repack facility, discussion with FCC staff concerning protection of landmobile operations

on adjacent spectrum.

**Amount:** \$7,040.00

Component Description: Consulting

Engineer - J. Davis - Hourly (@\$250

/hr)

**Amount:** \$587.50

Component Description: In support of

reimbursement

request

**Amount:** \$2,275.00

	Component Description:  Amount:	Perform engineering study for new channel assignment \$2,550.00
	Component Description:  Amount:	Perform engineering study for new channel assignment \$650.00
Address transition timing and coordination issues w/		
other stations and wireless	Component Description:	KBTX-510- Transition Timing and Coordination
	Amount:	\$148.00
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	Component Description	Droiget
	Component Description:	Project Management
	Amount:	\$2,203.10
	Component Description:	Project
	Amount:	Management \$2,314.90
	Component Description:	Project
	Amount:	Management \$2,086.25
	Component Description:	Project
		Management

**Component Description:** Project

Management

\$3,401.00 Amount:

**Component Description: Project** 

Management

**Amount:** \$3,231.70

**Component Description: Project** 

Management

**Amount:** \$2,793.20

**Component Description: Project** 

Management

\$5,707.00 **Amount:** 

**Component Description:** Project

Management

**Amount:** \$4,484.50

**Component Description: Project** 

Management

**Amount:** \$2,358.45

**Component Description:** 

Project Management

Amount:

\$2,438.15

Project Mgt, **Component Description:** 

Budget Review,

Cost Reconciliation

Amount: \$3,624.80

**Component Description: Project** 

Management

Amount: \$1,833.10 **Component Description:** Project Mgt,

Budget Review,

Cost Reconciliation

Amount: \$1,026.45

**Component Description: Project** 

Management

**Amount:** \$2,532.30

**Component Description: Project** 

Management

Amount: \$2,217.75

**Component Description:** Project Mgt,

Budget Review,

Cost Reconciliation

**Amount:** \$830.80

**Component Description:** Project

Management

**Amount:** \$3,189.40

**Component Description:** Project Mgt,

Budget Review,

Cost Reconciliation

Amount: \$2,868.80

**Component Description: Project** 

Management

Amount: \$2,007.60

Project **Component Description:** 

Management

Amount: \$2,829.40 Component Description: Project

Management

**Amount:** \$1,689.15

**Component Description:** Project

management

**Amount:** \$3,319.40

Component Description: Project

Management

**Amount:** \$3,318.40

Component Description: Project

Management

**Amount:** \$2,430.85

Component Description: Project

Management

**Amount:** \$1,706.25

Component Description: Project

management of the

transition

**Amount:** \$3,300.00

**Component Description:** Project

Management

**Amount:** \$1,328.55

Component Description: Project

Management

**Amount:** \$1,938.10

Component Description: Project

Management

**Amount:** \$3,087.55

Component Description: Project

Management

Amount:

\$2,131.20

Component Description: Project

Management

Amount:

\$28.20

Component Description:

Project Mgt/Budget

Mgt

**Amount:** 

\$839.75

**Component Description:** 

Project

Amount:

Management \$2,165.40

**Component Description:** 

Project

Amount:

Management \$3,275.15

**Component Description:** 

Project

Amount:

Management \$1,978.55

Project

**Component Description:** 

Management

Amount:

\$1,541.50

Attorney Fees - Other Matters

**Component Description:** 

Total Professional

Services

Amount:

\$222.00

**Component Description:** 

Legal Services

Amount:

\$148.00

Comprehensive coverage verification via field study, if needed	Information not provided.	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.	
ASR modification (prepare FCC Form 854)	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	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	Complete legal section and file initial repack CP application
	Amount:	\$196.50

### **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	\$38,009.95	\$30,322.19		\$6,378.06	
DTV Medical Facility Notification	\$11,550.00	\$3,834.75	Includes state and local taxes.	N/A	N/A
License to Cover Aux Filing Fees	\$335.00	\$335.00	Please see KBTX License to Cover (Aux) Filing Fees Budget Justification Cover Letter	\$335.00	N/A
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	see Estimated Cost Justification KBTX-610- MVPD Notifications v0	\$2,000.00	N/A
Develop and air announcement of upcoming channel change	\$3,450.00	\$3,450.00	See attached KBTX Channel Change PSA Campaign estimate.	N/A	N/A
Equipment Storage	\$3,344.95	\$3,344.95	see Estimated Cost Justification KBTX-610- Equipment Storage v1	\$2,987.71	N/A

FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$205.68	Includes state and local taxes.	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$351.81	Includes state and local taxes.	N/A	N/A
Equipment Delivery and Handling Charges	\$16,800.00	\$16,800.00	TCI Proposal TCI-17-183	\$1,055.35	N/A
Sub-total	\$38,009.95	\$30,322.19	N/A	\$6,378.06	N/A
Total for all systems	\$5,486,674.03	\$3,989,605.51	N/A	\$1,782,066.90	N/A

### Components

Actual Information Description	File Name	
DTV Medical Facility Notification	Information not provided.	
License to Cover Aux Filing Fees	Component Description: Amount:	For Professional Services Rendered \$335.00
MVPD Notification of Channel Change	Component Description: Amount:	Total Professional Services \$2,000.00
Develop and air announcement of upcoming channel change	Information not provided.	

Equipment Storage		
	Component Description:	40' HC N
		Container-monthly
	Amount:	rental \$357.23
	Amount.	φ331.23
	Component Description:	40' HC N
	Amount:	\$1,916.02
	Component Description:	40' HC N
		Container
	Amount:	\$357.23
	Component Description:	40' HC N
		Container
	Amount:	\$357.23
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
Equipment Delivery and		
Handling Charges	Component Description:	Fork Lift - Sky
		Trak 8000lb, Off
		Rent #7960
	Amount:	\$1,055.35

## Cost Information

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$5,486,674.03	\$3,989,605.51	\$1,782,066.90

Reimbursem	envestiatus	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. Robert Folliard , III

Assistant Secretary

06/18/2020

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. Robert Folliard , III

Assistant Secretary

06/18/2020

#### **Attachments**