Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **144** | Service: **DTV** | Call Sign: **KNVA** | Channel: **23 (UHF)**

File Number: **0000028705**

FRN: **0006564959** | Date Submitted: **09/25/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
54 BROADCASTING, INC.	Thomas J. Vaughan 901 W. MARTIN LUTHER KING BOULEVARD AUSTIN, TX 78701 United States	+1 (512) 478-5400	glenn.richards@pillsburylaw.com	Corporation

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Jessica Nyman , Esq . *FCC Counsel* *Pillsbury Winthrop Shaw Pittman LLP*	Jessica Nyman 1200 Seventeenth Street, NW Washington, DC 20036 United States	+1 (202) 663-8810	jessica.nyman@pillsburylaw.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	Replace transmitter, antenna, and transmission line. Acquire interim antenna system during construction and duration of the assigned phase. Map and analyze tower; design and implement modifications if required. See attached.

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 and Type	Manufacturer	
	Model	CTT-U-40 DCX-2H
	Year	2000
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40 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-40
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25.1 kW
	Justification for New Transmitter	The manufacturer of the existing IOT transmitter advises that the transmitter cannot be re-tuned to the assigned channel. A new Comark Paragon MSDC IOT transmitter is the basis for the replacement cost, but the SS is less expensive. See attached quotes.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	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

Name	Description
Additional Interior RF System	Interior RF System Existing Transmitter to Interim Transmission line

Antennas

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

Primary Antenna

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 Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	500.0 kW

Manufacturer	
Model	TFU-30GTH 04
Year	2000

Primary Antenna

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?	No
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Elliptical
	Type	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)	500.0 kW
	Manufacturer	
	Model	22GTH/VP-RO6 TC

Year	2019
Justification for New Antenna	The existing primary antenna is a single channel slotted coaxial which cannot accommodate the assigned channel.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	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?	Broadband
	Feed Line Size	8 3/16 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

Enter a list of RF channel numbers.

RF Channel Number
21
23

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
ANTENNA SUPPORT POLE	ANTENNA SUPPORT POLE, 57.4 FT. MAINTAINS EXISTING OVERALL STRUCTURE HEIGHT ON TOWER.
ANTENNA MOUNTING WEDDING CAKE	ANTENNA MOUNTING WEDDING CAKE ADAPTER, 3 FT. ALLOWS ANTENNA TO MOUNT ON NEW SUPPORT POLE
FEED THROUGH COMPONENTS	FEED THROUGH COMPONENTS TO CONNECT ANTENNA INPUT TO ELBOW COMPLEX INSIDE CANDELABRA ARM

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 Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	2
	Number of Panels/Bays	24
	Lower Limit	513.00 MHz
	Upper Limit	530.00 MHz
	Design power capacity in use	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	950.0 kW
	Manufacturer	
	Model	TFU-WB-24 C160
	Year	2019

	Justification for New Antenna	An interim antenna is necessary to keep station on the air during primary antenna replacement and for the duration of the assigned phase.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	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?	S
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an 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

Enter a list of RF channel numbers.

RF Channel Number
21
23

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

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

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
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 Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1260 feet per run

Primary Transmission Line

New Transmission 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
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1300 feet per run

	Justification for New Transmission Line	The line might be compatible with the assigned channel, but a new line is budgeted in case the performance is unacceptable on the assigned channel. The station will utilize the existing line if the sweep tests confirm acceptable performance.

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Interim Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	6 1/8 inches
	Segment Length	19 ¾ '
	Other Segment Length	
	Number of parallel runs	1
	Length	1075 feet per run
	Justification for New Transmission Line	An interim transmission line is necessary for the interim antenna to keep station on the air during primary antenna replacement and for the duration of the assigned phase.

Interim Transmission Line

Other Transmission Line Expenses Not Listed

Information 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	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	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1050398
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	30° 19' 34.0" N-
	Longitude (NAD83)	097° 47' 59.0" W-
	Overall Structure Height	1197.49 feet
	Support Structure Height	1079.38 feet
	Ground Elevation Above Mean Sea Level (AMSL)	849.73 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	LIN Television of Texas, L. P.
Date Constructed	09/22/1965

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
35882	KTFO-CD	DTV
35920	KXAN-TV	DTV
35918	KBVO-CD	DTV

Other Types of Users

Users
15 mwave licens
2 RPU licenses

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly 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	Candelabra
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	1000
	Explanation	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects.
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 Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	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	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	No
	RF exposure measurements	No
	Additional Field Engineering Service	Yes

Number of Days	20
Justification	It will be necessary to survey the site, plan the equipment, develop specifications for purchasing, and oversee multiple vendor RF projects. Station does not have available personnel or personnel trained in such services.

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Information not provided.

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	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
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

Other Expenses Not Listed

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 Cost Justification
Primary Transmitter ULXTE-40	**$1,167,200.00**	**$1,006,930.00**		**$63,886.50**	
3" Rigid Conduit and Wiring (Cost per foot)	$5,200.00	$5,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	$38,200.00	$37,150.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	$36,800.00	$35,850.00	N/A	N/A	N/A
Additional Interior RF System	***$140,000.00***	$140,000.00	N/A	$63,886.50	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	$947,000.00	$788,930.00	Quoted cost is lower than the IOT equivalent.	N/A	N/A
Sub-total	$1,167,200.00	$1,006,930.00	N/A	$63,886.50	N/A
Total for all systems	$4,599,332.00	$4,065,982.30	N/A	$1,076,316.08	N/A

Components

Actual Information Description	File Name

3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
Transformer 3 phase/480v - 300 KVA	Information not provided.
Additional Interior RF System	**Component Description:** Three channel combiner, installment #2 **Amount:** $31,943.25 **Component Description:** Three channel combiner, installment #1 **Amount:** $31,943.25
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	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 Cost Justification
Interim Antenna TFU-WB-24 C160	**$282,090.00**	**$276,620.00**		**$135,405.00**	
Side mount brackets for high power antennas (if not included in antenna base cost)	$23,150.00	$22,500.00	N/A	N/A	N/A
Pattern scatter analysis for side mount high /med power antennas (if not included in antenna base cost)	$5,260.00	$5,120.00	N/A	N/A	N/A

UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 950 kW input, directional,, horizontally polarized	***$150,450.00***	$150,450.00	See Dielectric Quote Number DMS127-3. KNVA will share interim antenna with KXAN; however, KXAN is a "Non-Repack" station; therefore, expenses are not shared. Interim antenna is required for stations to remain on-air while main facility is built-out.	$135,405.00	N/A
New combiner, cost per channel (without antenna)	$84,200.00	$80,000.00	N/A	N/A	N/A
Sweep test of existing antenna	$6,730.00	$6,550.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1 /8. feedline (if needed)	$12,300.00	$12,000.00	N/A	N/A	N/A
Primary Antenna 22GTH /VP-R O6 TC	**$557,312.00**	**$455,967.00**		**$332,475.30**	

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	$289,500.00	$194,835.00	See Dielectric Quote Number DMS095-2. KNVA will share main antenna with KXAN; however, KXAN is a "Non-Repack" station; therefore, expenses are not shared. Costs for V-pol fill have been removed.	$175,351.50	N/A
FEED THROUGH COMPONENTS	***$20,588.00***	$20,588.00	See Dielectric Quote Number DMS095-2. KNVA will share main antenna with KXAN; however, KXAN is a "Non-Repack" station; therefore, expenses are not shared.	$18,529.20	N/A

ANTENNA MOUNTING WEDDING CAKE	***$18,300.00***	$18,300.00	See Dielectric Quote Number DMS095-2. KNVA will share main antenna with KXAN; however, KXAN is a "Non-Repack" station; therefore, expenses are not shared.	$16,470.00	N/A
ANTENNA SUPPORT POLE	***$119,044.00***	$119,044.00	See Dielectric Quote Number DMS095-2. KNVA will share main antenna with KXAN; however, KXAN is a "Non-Repack" station; therefore, expenses are not shared.	$107,139.60	N/A
New combiner, cost per channel (without antenna)	$84,200.00	$80,000.00	N/A	N/A	N/A

Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	$18,950.00	$16,650.00	See Dielectric Quote Number DMS095-2. KNVA will share main antenna with KXAN; however, KXAN is a "Non-Repack" station; therefore, expenses are not shared.	$14,985.00	N/A
Sweep test of existing antenna	$6,730.00	$6,550.00	N/A	N/A	N/A
Sub-total	$839,402.00	$732,587.00	N/A	$467,880.30	N/A
Total for all systems	$4,599,332.00	$4,065,982.30	N/A	$1,076,316.08	N/A

Components

Actual Information Description	File Name
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.

UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 950 kW input, directional,, horizontally polarized	**Component Description:** **Amount:** **Component Description:** **Amount:**	Antenna component, line 1 of invoice, installment #2 $67,702.50 Antenna component, line 1 of invoice, installment #1 $67,702.50
New combiner, cost per channel (without antenna)	Information not provided.	
Sweep test of existing antenna	Information not provided.	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	**Component Description:** **Amount:** **Component Description:** **Amount:**	UHF High Power Top Mount, line 1 of invoice, installment #2 $87,675.75 UHF High Power Top Mount, line 1 of invoice, installment #1 $87,675.75

FEED THROUGH COMPONENTS	**Component Description:** **Amount:**	Feed through component, line 5 of invoice, installment #2 $9,264.60
	Component Description: **Amount:**	Feed through components, line 5 of invoice, installment #1 $9,264.60
ANTENNA MOUNTING WEDDING CAKE	**Component Description:** **Amount:**	Antenna Mounting component, line 3 of invoice, installment #2 $8,235.00
	Component Description: **Amount:**	Antenna mounting component, line 3 of invoice, installment #1 $8,235.00
ANTENNA SUPPORT POLE	**Component Description:** **Amount:**	Antenna support pole, line 4 of invoice, installment #2 $53,569.80
	Component Description: **Amount:**	Antenna support pole component, line 4 of invoice, installment #1 $53,569.80
New combiner, cost per channel (without antenna)	Information not provided.	

Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	**Component Description:** **Amount:** **Component Description:** **Amount:**	Digitline elbow complex, line 6 of invoice, installment #2 $7,492.50 Digitline elbow complex, line 6 of invoice, installment #1 $7,492.50
Sweep test of existing antenna	Information not provided.	

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	**$217,150.00**	**$147,251.30**		**$132,526.18**	
Rigid Transmission Line - copper, 6 1/8"	$217,150.00	$147,251.30	See Dielectric Quote Number DMS127-3. KNVA will share Interim transmission line with KXAN; however, KXAN is a "Non-Repack" station; therefore, expenses are not shared. Interim line is required for stations to remain on-air while main facility is built-out	$132,526.18	N/A
Primary Transmission Line	**$451,100.00**	**$300,729.00**		**$270,656.10**	

Rigid Transmission Line - copper, 8 3 /16"	$451,100.00	$300,729.00	See Dielectric Quote Number DMS095-2. KNVA will share main transmission line with KXAN; however, KXAN is a "Non-Repack" station; therefore, expenses are not shared.	$270,656.10	N/A
Sub-total	$668,250.00	$447,980.30	N/A	$403,182.28	N/A
Total for all systems	$4,599,332.00	$4,065,982.30	N/A	$1,076,316.08	N/A

Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8"	**Component Description:**	Rigid transmission line, line 2 of invoice, installment #2
	Amount:	$66,263.09
	Component Description:	Rigid transmission line, line 2 of invoice, installment #1
	Amount:	$66,263.09

Rigid Transmission Line - copper, 8 3/16"	**Component Description:**	Rigid transmission line, line 7 of invoice, installment #2
	Amount:	$135,328.05
	Component Description:	Rigid transmission line component, line 7 of invoice, installment #1
	Amount:	$135,328.05

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	**$1,499,300.00**	**$1,459,100.00**		**$141,367.00**	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	$26,300.00	$25,600.00	N/A	$17,500.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$409,500.00	N/A	N/A	N/A
Serious tower reinforcement /modifications	$1,052,000.00	$1,024,000.00	N/A	$123,867.00	N/A
Sub-total	$1,499,300.00	$1,459,100.00	N/A	$141,367.00	N/A
Total for all systems	$4,599,332.00	$4,065,982.30	N/A	$1,076,316.08	N/A

Components

Actual Information Description	File Name

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	**Component Description:** **Amount:**	Design structural modifications $5,000.00
	Component Description: **Amount:**	Structural mapping $6,500.00
	Component Description: **Amount:**	Structural report $6,000.00
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.	
Serious tower reinforcement /modifications	**Component Description:** **Amount:**	Deposit for Antenna replacement services $31,740.00
	Component Description: **Amount:**	Deposit for Tower Modification Services $82,127.00
	Component Description: **Amount:**	Deposit for Tower services $10,000.00

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	**$305,130.00**	**$299,635.00**		**$0.00**	
Additional Field Engineering Service, 20 Days	***$108,000.00***	$108,000.00	N/A	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	$2,050.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	$2,105.00	$2,050.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	$3,680.00	$3,585.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	$4,210.00	$4,095.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,305.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,120.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$1,535.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,535.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,170.00	N/A	$0.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,560.00	N/A	N/A	N/A
Prepare and or review reimbursement form	$2,630.00	$2,560.00	N/A	$0.00	N/A

Project management of the transition	$158,000.00	$154,000.00	N/A	$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,070.00	N/A	$0.00	N/A
Sub-total	$305,130.00	$299,635.00	N/A	$0.00	N/A
Total for all systems	$4,599,332.00	$4,065,982.30	N/A	$1,076,316.08	N/A

Components

Information not provided.

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	**$120,050.00**	**$119,750.00**		**$0.00**	
MVPD Notification of Channel Change	***$2,000.00***	$2,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	***$6,500.00***	$6,500.00	Production time to produce spots and crawls for viewer notification.	$0.00	N/A
Equipment Storage	***$25,000.00***	$25,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	***$25,000.00***	$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$25,000.00***	$25,000.00	N/A	N/A	N/A
Non-zoning permits	***$25,000.00***	$25,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,250.00	N/A	N/A	N/A
Sub-total	$120,050.00	$119,750.00	N/A	$0.00	N/A
Total for all systems	$4,599,332.00	$4,065,982.30	N/A	$1,076,316.08	N/A

Components

Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$4,599,332.00	$4,065,982.30	$1,076,316.08

Reimbursement Status

Question	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

Certification

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 above-named applicant for the Authorization(s) specified above.	**Thomas J. Vaughan** *President* 09/25/2018

Certification

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. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. 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 above-named applicant for the Authorization(s) specified above.	**Thomas J. Vaughan** *President* 09/25/2018

Attachments