



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **73706** | Service: **DTV** | Call **KSHV-TV** | Channel: **16 (UHF)** |
ID:
File **0000028482**
Number:
FRN: **0009961889** | Date **08/16**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WHITE KNIGHT BROADCASTING OF SHREVEPORT LICENSE CORP.	Anthony J. Malara, III. 3316 Willow Glen Drive OAK HILL, VA 20171 United States	+1 (703) 870- 7584	tmalara@americanstaffing. net	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
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	Replace transmitter, antenna and line. Acquire interim antenna and line for continued operation 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	QXD1
	Year	2001
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	30 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-8
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	15.5 kW
	Justification for New Transmitter	The manufacturer of the existing transmitter is out of business and no factory support is available for the existing transmitter. Upgrade to a SS at one power step higher than required. TPO is 10kW PRE FILTER, need 13kW plus 1 step becomes a 15.5kW.

**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	150 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 leasehold 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?	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	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Other
	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	Travelling Wave
	ERP: (Effective Radiated Power)	500.0 kW

Manufacturer	
Model	ATW27H3- ESP1U-45M
Year	2007

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?	Yes
	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
	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)	301.0 kW
	Manufacturer	
	Model	TFU-30DSC /VP-R P220

Year	2018
Justification for New Antenna	The existing primary antenna is a single channel travelling wave 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?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	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?	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
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**Primary
Antenna**

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 Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	4
	Lower Limit	485.00 MHz
	Upper Limit	653.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	500.0 kW
	Manufacturer	
	Model	TUA-P4-4 /10H-1 SM
	Year	2018

	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. Station will attempt to rent if renting is available at time of acquisition.
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Interim Antenna

Other Antenna Costs

Section	Question	Response
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

**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	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1650 feet per run

Primary **New Transmission Line**
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 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1680 feet per run
	Justification for New Transmission Line	Existing section lengths are not the ones recommended for channel 16. Station will sweep the line and reuse if it checks out good

Primary **Other Transmission Line Expenses Not Listed**
Transmission Line **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	Flexible Air
	Diameter	5 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	1580 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. Station will attempt to rent if renting is available at time of acquisition.

Interim	Other Transmission Line Expenses Not Listed
Transmission Line	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?	
	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?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1022487
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	32° 39' 58.5" N-
	Longitude (NAD83)	093° 56' 00.7" W-
	Overall Structure Height	1784.10 feet
	Support Structure Height	1725.70 feet
	Ground Elevation Above Mean Sea Level (AMSL)	265.09 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Pinnacle Towers LLC
Date Constructed	09/07/1985

**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
12525	KMSS-TV	DTV

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	Other
Helicopter Services Required	Are helicopter services required?	No

Primary
Tower

Other Tower Expenses Not Listed

Name	Description
Geotechnical Study	Identify required tower foundation modifications
Labor	Tower and Foundation Modifications Labor
Crane Expenses	Tower and Foundation Modifications also require a crane, crane rigging and crane permits.
Structural Analysis and Mod Design	Identify required tower modifications and costs

**Outside
Professional**

Section	Question	Response
Services Costs 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**
Services provided by the contractor are 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

Name	Description
Sales Tax	Sales and use tax on goods and services

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-8	\$892,950.00	\$557,000.00		\$415,345.00	
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	\$3,345.00	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$349,950.00	Since the upgraded SS transmitter is less than a one tube IOT equivalent. Reimbursement cost estimate is set at the price of the SS upgrade. Revised downward to R&S quote SQ169124.1 price 349,950	\$349,950.00	N/A
Additional Interior RF System	\$140,000.00	\$140,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$37,150.00	N/A	\$37,150.00	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,900.00	N/A	\$24,900.00	N/A
Sub-total	\$892,950.00	\$557,000.00	N/A	\$415,345.00	N/A

Total for all systems	\$5,110,565.39	\$3,930,660.46	N/A	\$2,633,121.61	N/A
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Components

Actual Information		
Description	File Name	
3" Rigid Conduit and Wiring (Cost per foot)	Component Description: Amount:	Transmitter electrical services \$3,345.00
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description: Amount: Component Description: Amount:	Transmitter, 25% down payment \$87,487.50 Credit for installation services not provided by R&S (\$23,750.00) Transmitter, installment #3 \$87,487.50 Transmitter, installment #2 \$174,975.00
Additional Interior RF System	Information not provided.	
Switchgear - industrial 800 amp	Component Description: Amount:	Transmitter electrical services \$37,150.00

Transformer 3 phase/480v - 150 KVA	<table><tr><td data-bbox="707 96 1141 257">Component Description:</td><td data-bbox="1141 96 1433 257">Transmitter electrical services</td></tr><tr><td data-bbox="707 257 1141 351">Amount:</td><td data-bbox="1141 257 1433 351">\$24,900.00</td></tr></table>	Component Description:	Transmitter electrical services	Amount:	\$24,900.00
Component Description:	Transmitter electrical services				
Amount:	\$24,900.00				

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 TUA-P4-4 /10H-1 SM	\$142,265.00	\$130,968.00		\$124,146.00	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$12,623.00	See attached Dielectric quote (Quote Number 700441CMZ-1)	\$12,623.00	N/A
UHF - High Power, Side Mount, broadband panel, 4 bay,, 500 kW input, directional,, elliptically or circularly polarized	\$94,825.00	\$94,825.00	See attached Dielectric quote (Quote Number 700441CMZ-1)	\$94,825.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	See attached Dielectric quote (Quote Number 700441CMZ-1)	\$6,400.00	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
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$12,000.00	N/A	\$10,298.00	N/A
Primary Antenna TFU-30DSC /VP-R P220	\$277,390.00	\$207,878.00		\$202,608.00	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$21,750.00	See attached Dielectric quote (Quote Number DMS111-4)	\$21,750.00	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

Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$13,583.00	See attached Dielectric quote (Quote Number DMS111-4)	\$13,583.00	N/A
UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$160,875.00	See attached Dielectric quote (Quote Number DMS111-4), estimated cost reduced by 23,250 vpol which is upgrade and not reimbursable	\$160,875.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,550.00	N/A	\$6,400.00	N/A
Sub-total	\$419,655.00	\$338,846.00	N/A	\$326,754.00	N/A
Total for all systems	\$5,110,565.39	\$3,930,660.46	N/A	\$2,633,121.61	N/A

Components

Actual Information

Description

File Name

Side mount brackets for high power antennas (if not included in antenna base cost)	<div> Component Description: Mounting brackets, 10% balance due </div> <div> Amount: \$1,262.30 </div>
	<div> Component Description: Mounting brackets, line 2 of invoice, installment #2 </div> <div> Amount: \$5,680.35 </div>
	<div> Component Description: Mounting bracket, line 2 of invoice, installment #1 </div> <div> Amount: \$5,680.35 </div>
UHF - High Power, Side Mount, broadband panel, 4 bay,, 500 kW input, directional,, elliptically or circularly polarized	<div> Component Description: Aux antenna, line 1 of invoice, installment #2 </div> <div> Amount: \$42,671.25 </div>
	<div> Component Description: Aux antenna, 10% balance due </div> <div> Amount: \$9,482.50 </div>
	<div> Component Description: Antenna component, line 1 of invoice, installment #1 </div> <div> Amount: \$42,671.25 </div>
Sweep test of existing antenna	<div> Component Description: Sweep test </div> <div> Amount: \$6,400.00 </div>

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description: Amount:	Elbow complex, 10% balance due \$1,029.80
	Component Description: Amount:	Elbow complex, line 3 of invoice, installment #2 \$4,634.10
	Component Description: Amount:	Elbow complex, line 3 of invoice, installment #1 \$4,634.10

Side mount brackets for high power antennas (if not included in antenna base cost)	<div> Component Description: Side Mount Brackets, balanced due</div> <div> Amount: \$2,175.00</div>
	<div> Component Description: Side mount brackets, installment #1, line 3 of invoice</div> <div> Amount: \$9,787.50</div>
	<div> Component Description: Side brackets, line 3 of invoice, installment #1</div> <div> Amount: \$9,787.50</div>
	<div> Component Description: Side mount brackets, installment #2, line 3 of invoice</div> <div> Amount: \$9,787.50</div>
	<div> Component Description: See resubmission of corrected invoice</div> <div> Amount: (\$9,787.50)</div>
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.

Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	Component Description: Amount:	Elbow complex, balance due \$1,358.30
	Component Description: Amount:	Elbow complex, line 4 of invoice, installment #1 \$6,112.35
	Component Description: Amount:	Elbow complex, installment #2, line 4 of invoice \$6,112.35
	Component Description: Amount:	Elbow complex, installment #1, line 4 of invoice \$6,112.35
	Component Description: Amount:	See resubmission of corrected invoice (\$6,112.35)

UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	Component Description:	Main antenna, installment #1, line 1 of invoice
	Amount:	\$72,393.75
	Component Description:	Main antenna, balance due
	Amount:	\$16,087.50
	Component Description:	Antenna component, line 1 of invoice, installment #1
Amount:	\$72,393.75	
Component Description:	See resubmission of corrected invoice (\$72,393.75)	
Amount:		
Component Description:	Primary antenna, installment #2, line 1 of invoice	
Amount:	\$72,393.75	
Sweep test of existing antenna	Component Description:	Sweep test
	Amount:	\$6,400.00

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	\$165,900.00	\$106,446.88		\$106,446.88	
Flexible Air Transmission Line - dielectric, 5"	\$165,900.00	\$106,446.88	See Dielectric quote 700441CMZ-2.	\$106,446.88	N/A
Primary Transmission Line	\$582,960.00	\$365,490.75		\$365,490.75	
Rigid Transmission Line - copper, 8 3/16"	\$582,960.00	\$365,490.75	See attached Dielectric quote (Quote Number DMS111-4)	\$365,490.75	N/A
Sub-total	\$748,860.00	\$471,937.63	N/A	\$471,937.63	N/A
Total for all systems	\$5,110,565.39	\$3,930,660.46	N/A	\$2,633,121.61	N/A

Components

Actual Information	
Description	File Name

Flexible Air Transmission
Line - dielectric, 5"

Component Description: Transmission line,
10% balance due
Amount: \$10,644.68

Component Description: Transmission line,
line 4 of invoice,
installment #1
Amount: \$47,901.10

Component Description: Flexible
transmission line,
line 4 of invoice,
installment #2
Amount: \$47,901.10

Rigid Transmission Line -
copper, 8 3/16"

Component Description: Transmission line,
balance due
Amount: \$16,974.07

Component Description: Transmission line,
balance due
Amount: \$19,575.00

Component Description: Transmission line,
installment #1, line
5 of invoice
Amount: \$164,470.84

Component Description: Transmission line,
line 5 of invoice,
installment #1
Amount: \$164,470.84

Component Description: See resubmission
of corrected invoice
Amount: (\$164,470.84)

Component Description: Transmission line,
installment #2, line
5 of invoice
Amount: \$164,470.84

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	\$2,398,191.79	\$1,916,298.23		\$1,314,200.47	
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	\$14,250.00	N/A
Labor	\$619,607.50	\$619,607.50	See attached Crown Castle quote ("KSHV Tower & Foundation Mod Quote")	\$495,686.00	N/A
Crane Expenses	\$229,284.29	\$229,284.29	See attached Crown Castle quote ("KSHV Tower & Foundation Mod Quote")	\$183,427.43	N/A

Serious tower reinforcement /modifications	\$1,052,000.00	\$646,590.21	See attached Crown Castle quote ("KSHV Tower & Foundation Mod Quote")	\$517,272.17	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$345,216.23	See attached Crown Castle quote ("KSHV Antenna & Line Installation Quote"). KSHV leases space on the Crown Castle tower.	\$103,564.87	N/A
Structural Analysis and Mod Design	\$25,000.00	\$25,000.00	See attached Crown Castle tower mod design quote ("KSHV MOD Design Quote").	N/A	N/A
Geotechnical Study	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Sub-total	\$2,398,191.79	\$1,916,298.23	N/A	\$1,314,200.47	N/A
Total for all systems	\$5,110,565.39	\$3,930,660.46	N/A	\$2,633,121.61	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:	Geotechnical report and foundation mapping
	Amount:	\$10,000.00
	Component Description:	Structural analysis
	Amount:	\$4,250.00
Labor	Component Description:	30% installment
	Amount:	\$185,882.25
	Component Description:	50% down payment
	Amount:	\$309,803.75
Crane Expenses	Component Description:	30% installment
	Amount:	\$68,785.29
	Component Description:	50% down payment
	Amount:	\$114,642.14
Serious tower reinforcement /modifications	Component Description:	Tower Modifications, 30% installment
	Amount:	\$193,977.06
	Component Description:	50% down payment
	Amount:	\$323,295.11

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<div> <div> Component Description: </div> <div> Tower Equipment and Rigging, 30% installment </div> </div> <div> Amount: </div> <div> \$103,564.87 </div>
Structural Analysis and Mod Design	Information not provided.
Geotechnical Study	Information not provided.

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$305,130.00	\$301,100.00		\$35,258.00	
Prepare request for Special Temporary Authorization	\$2,050.00	\$3,000.00	See additional STA filing	\$3,000.00	N/A
Project management of the transition	\$158,000.00	\$154,000.00	N/A	\$19,758.00	N/A
Additional Field Engineering Service, 20 Days	<i>\$108,000.00</i>	\$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 engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,535.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,070.00	N/A	\$3,000.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,170.00	N/A	\$7,000.00	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	\$2,500.00	N/A
Sub-total	\$305,130.00	\$301,100.00	N/A	\$35,258.00	N/A
Total for all systems	\$5,110,565.39	\$3,930,660.46	N/A	\$2,633,121.61	N/A

Components

Actual Information	
Description	File Name
Prepare request for Special Temporary Authorization	<p>Component Description: STA to operate post transition facility using Dielectric TUA-P4-4/10H-1</p> <p>Amount: \$1,500.00</p> <p>Component Description: STA, item 2 from invoice summary</p> <p>Amount: \$1,500.00</p>
Project management of the transition	<p>Component Description: Project management services 10.27.18 through 11.30.18</p> <p>Amount: \$5,625.00</p>

Component Description:	Project management services November 2018
Amount:	\$200.00

Component Description:	Project management services 3.2.19 through 3.29.19
Amount:	\$150.00

Component Description:	Project management services 4.27.19 through 5.31.19
Amount:	\$150.00

Component Description:	Project management services, item 3 from invoice summary
Amount:	\$150.00

Component Description:	Project management services, item 1 from invoice summary
Amount:	\$675.00

Component Description:	Project management services October 2018
Amount:	\$200.00

Component Description:	Project management services 5.26.18 through 6.29.18
Amount:	\$1,800.00

Component Description:	Item 5 from invoice summary
Amount:	\$300.00

Component Description:	Item 9 from invoice summary
Amount:	\$1,133.00

Component Description:	Item 7 from invoice summary
Amount:	\$150.00

Component Description:	Project management services 12.1.18 through 12.31.18
Amount:	\$75.00

Component Description:	Item 6 from invoice summary
Amount:	\$150.00

Component Description:	Project management services 9.29.18 through 10.26.18
Amount:	\$150.00

	Component Description: Amount:	Project management services 7.28.18 through 9.28.18 \$4,125.00
	Component Description: Amount:	Project management services 6.30.18 through 7.27.18 \$450.00
	Component Description: Amount:	Project management services 5.27.17 through 5.25.18; item 1 from invoice summary \$4,275.00
Additional Field Engineering Service, 20 Days	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 - Negotiation of lease and other matters for shared locations	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	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Item 4 from invoice summary \$3,000.00
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Item 3 from invoice summary \$7,000.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Component Description: Amount:	Item 2 from invoice summary \$2,500.00

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	\$345,778.60	\$345,478.60		\$69,626.51	
Equipment Delivery and Handling Charges	<i>\$8,099.00</i>	\$8,099.00	See Rohde & Schwarz quote 169827	\$8,099.00	N/A
Sales Tax	<i>\$240,700.00</i>	\$240,700.00	Sales and use tax on goods and services based on LA state rates.	\$29,597.91	N/A
MVPD Notification of Channel Change	<i>\$2,929.60</i>	\$2,929.60	See EST-000885 from DTVNotification.	\$2,929.60	N/A
Develop and air announcement of upcoming channel change	<i>\$3,500.00</i>	\$3,500.00	Cost to develop and produce spots and crawls for viewer notification.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$29,000.00</i>	\$29,000.00	See USA Commercial quote and Land Communications Dumpster rental	\$29,000.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,250.00	N/A	N/A	N/A
Non-zoning permits	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Equipment Storage	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A

Sub-total	\$345,778.60	\$345,478.60	N/A	\$69,626.51	N/A
Total for all systems	\$5,110,565.39	\$3,930,660.46	N/A	\$2,633,121.61	N/A

Components

Actual Information Description	File Name
Equipment Delivery and Handling Charges	<p>Component Description: Transmitter transportation /consolidation services</p> <p>Amount: \$8,099.00</p>
Sales Tax	<p>Component Description: Tax on transportation /consolidation services</p> <p>Amount: \$732.96</p> <p>Component Description: Sales tax credit on installation services not provided</p> <p>Amount: (\$746.63)</p> <p>Component Description: Tax due on transmitter</p> <p>Amount: \$28,864.95</p>
MVPD Notification of Channel Change	<p>Component Description: Notification of medical facilities</p> <p>Amount: \$2,929.60</p>
Develop and air announcement of upcoming channel change	Information not provided.

<p>Disposal Costs (for equipment and other waste, net of any salvage value)</p>	<table> <tr> <td data-bbox="715 174 1023 248"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1155 174 1326 248"> <p>Disposal costs</p> <p>\$23,000.00</p> </td></tr> <tr> <td data-bbox="715 353 1023 546"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1155 353 1337 546"> <p>Dumpster costs related to transmitter electrical</p> <p>\$6,000.00</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Disposal costs</p> <p>\$23,000.00</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Dumpster costs related to transmitter electrical</p> <p>\$6,000.00</p>
<p>Component Description:</p> <p>Amount:</p>	<p>Disposal costs</p> <p>\$23,000.00</p>				
<p>Component Description:</p> <p>Amount:</p>	<p>Dumpster costs related to transmitter electrical</p> <p>\$6,000.00</p>				
<p>DTV Medical Facility Notification</p>	<p>Information not provided.</p>				
<p>Non-zoning permits</p>	<p>Information not provided.</p>				
<p>Equipment Storage</p>	<p>Information not provided.</p>				

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$5,110,565.39	\$3,930,660.46
			\$2,633,121.61

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	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 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.

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Anthony J. Malara , III . <i>President</i></p> <p>08/16/2019</p>

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 IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> 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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Anthony J. Malara <i>President</i></p> <p>08/16/2019</p>

Attachments