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: **24914** | Service: **DTV** | Call Sign: **WKYT-TV** | Channel: **21 (UHF)**

File Number: **0000028731**

FRN: **0018223693** | Date Submitted: **02/27/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC	Robert Folliard 4370 Peachtree Road Atlanta, GA 30319 United States	+1 (202) 750-1585	Robert.Folliard@gray.tv	Limited Liability Company

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
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	WKYT is replacing the transmitter, antenna, and transmission line as well as installing an interim transmitter, antenna, and transmission line.

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	Sigma Diamond Drive
	Year	2001
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	45.6 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	ULXTE72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	39 kW
	Justification for New Transmitter	Cost of replacement IOT exceedes the cost of the Solid State transmitter. We are choosing the less expensive Solid State

Primary 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
	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

Building Upgrades	Roof and ice protection
Security System	Sonitrol 16167-1-0

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19.2 kW
	Justification for New Transmitter	Interim transmitter needed to continue broadcasting during the transition period.

Interim 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?	Yes
	Type	Heating and Cooling
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

Interim Transmitter

Other Transmitter Cost Not Listed

Information not provided.

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	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	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)	1000.0 kW

Manufacturer	
Model	ATW26H3-ESCX-36S
Year	2010

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?	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 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)	800.0 kW
	Manufacturer	

	Model	TFU-25JSC /VP-R C150
	Year	2017
	Justification for New Antenna	The current ERI antenna on Ch 36 will not work on Ch21 and can not be retuned therefore will need to be replaced for new antenna on Ch21.

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?	Broadband
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	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

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Red FAA L-864 LED Obstruction Light	Flash FTS 370R LED Beacon Kit, LED obstruction light
Site Survey to Layout Dielectric Side Mount Antenna	Site Survey to layout Dielectric Side Mount primary antenna

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	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	1
	Lower Limit	512.00 MHz
	Upper Limit	608.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	312.0 kW
	Manufacturer	
	Model	TFU-24WB-C160-H
	Year	2018

	Justification for New Antenna	Interim antenna needed to continue broadcasting during the transition period

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?	B
	Feed Line Size	3 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	975 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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1050 feet per run
	Justification for New Transmission Line	The current Ch 36 transmission line section length will not work for Ch21 therefore the transmission line will need to be replaced.

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	3 1/8 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	900 feet per run
	Justification for New Transmission Line	Interim transmission line needed to continue broadcasting during the transition period

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	Owned
	Is this tower consider Complex?	No
	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?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1030383
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	38° 02' 23.0" N-
	Longitude (NAD83)	084° 24' 10.0" W-
	Overall Structure Height	999.99 feet
	Support Structure Height	979.97 feet
	Ground Elevation Above Mean Sea Level (AMSL)	988.83 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Gray Television Group, Inc.
Date Constructed	01/01/1989

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
27417	WLXX	FM

Other Types of Users

Users
Sprint

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:	Major 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
Moving Equipment	Removing existing antenna and installing new antennas

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	900
	Explanation	Strategic Support
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	No
	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	No
	Number of Days	N/A
	Justification	N/A

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	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	No
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Name	Description
Security	Site Security during equipment storage

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 Justificatior
Interim Transmitter ULXTE-30	**$703,850.00**	**$616,230.94**		**$372,859.59**	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	$684,000.00	$596,380.94	N/A	$372,859.59	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.	***$2,000.00***	$2,000.00	N/A	N/A	N/A
Other -- HVAC Service Type: H Size:5 (Other)	***$17,850.00***	$17,850.00	See attached WKYT 5 Ton HVAC quote.	N/A	N/A
Primary Transmitter ULXTE72	**$1,782,728.47**	**$1,601,187.73**		**$1,117,802.76**	

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.	***$138,000.00***	$138,000.00	See attached revised Parsons Electrical Contractors quote.	$126,301.00	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	$1,473,000.00	$1,291,459.26	N/A	$846,943.76	N/A
Building Upgrades	***$166,938.55***	$166,938.55	See attached WKYT Kalkreuth Roof quote dated 4/26 /18, cost $165,658.00. See attached Graybar lighting quote, cost $1,280.55.	$144,558.00	N/A

Security System	***$4,789.92***	$4,789.92	See attached Anixter quote Q0001QLG, Sonitrol Security quote #16167-1-0, Wireless Temp Sensor quote, and B&H quote.	N/A	N/A
Sub-total	$2,486,578.47	$2,217,418.67	N/A	$1,490,662.35	N/A
Total for all systems	$4,372,970.57	$3,974,436.67	N/A	$2,059,541.41	N/A

Components

Actual Information Description	File Name	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	**Component Description:** **Amount:**	Transmitter, Mask Filter System, RF Accessories, Electrical, Installation & Proof $372,859.59
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.	
Other -- HVAC Service Type: H Size:5 (Other)	Information not provided.	

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.	**Component Description:** **Amount:**	WKYT Transmitter Power $10,200.00
	Component Description: **Amount:**	WKYT Tranmsitter Power $46,000.00
	Component Description: **Amount:**	Transmitter Power PROG-18-FCC154-WKYT-REM06 $45,826.00
	Component Description: **Amount:**	Transmitter power, PROG - 18-FCC154-WKYT-REM06 $24,275.00
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	**Component Description:** **Amount:**	Transmitter, Mask Filter System, RF Accessories, Electrical, Installation & Proof $846,943.76

Building Upgrades	**Component Description:** **Amount:**	Final Draw on New Transmitter $23,900.00
	Component Description: **Amount:**	Roofing Work Completed $80,658.00
	Component Description: **Amount:**	First Draw on New Transmitter Building HVAC $20,000.00
	Component Description: **Amount:**	New transmitter building HVAC $20,000.00
Security System	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-24WB-C160-H	**$205,570.00**	**$173,788.00**		**$95,583.40**	
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	$189,500.00	$158,764.00	DTVPros Quote JEHQ1282-05	$87,320.20	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	DTVPros Quote JEHQ1282-05	$3,520.00	N/A
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	$9,340.00	$8,624.00	DTVPros Quote JEHQ1282-05.	$4,743.20	N/A
Primary Antenna TFU-25JSC/VP-R C150	**$246,560.10**	**$239,940.10**		**$191,952.08**	

UHF - High Power, Side Mount, basic slot antenna, 800 kW input, directional,, elliptically or circularly polarized	***$184,160.10***	$184,160.10	DTVPros Quote JEHQ1260-05	$147,328.08	N/A
Site Survey to Layout Dielectric Side Mount Antenna	***$6,700.00***	$6,700.00	DTVPros Quote JEHQ1260-05	$5,360.00	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	$5,260.00	$3,500.00	DTVPros Quote JEHQ1260-05	$2,800.00	N/A
Red FAA L-864 LED Obstruction Light	***$6,860.00***	$6,860.00	DTVPros Quote JEHQ1260-05	$5,488.00	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	DTVPros Quote JEHQ1260-05	$5,120.00	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	$13,700.00	$12,768.00	DTVPros Quote JEHQ1260-05	$10,214.40	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	$23,150.00	$19,552.00	DTVPros Quote JEHQ1260-05	$15,641.60	N/A
Sub-total	$452,130.10	$413,728.10	N/A	$287,535.48	N/A
Total for all systems	$4,372,970.57	$3,974,436.67	N/A	$2,059,541.41	N/A

Components

Actual Information Description	File Name	
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	**Component Description:** **Amount:**	UHF Broadband Slot, Side Mount AUX/Interim $47,629.20
	Component Description: **Amount:**	UHF Broadband Slot, Side Mount AUX/ Interim $39,691.00
Sweep test of existing antenna	**Component Description:** **Amount:**	Sweep Test New Interim Antenna $1,600.00
	Component Description: **Amount:**	Sweep Test New Interim Antenna $1,920.00

Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	**Component Description:** **Amount:**	New Interim Antenna Elbow Complex $2,587.20
	Component Description: **Amount:**	New Interim Antenna Elbow Complex $2,156.00
UHF - High Power, Side Mount, basic slot antenna, 800 kW input, directional,, elliptically or circularly polarized	**Component Description:** **Amount:**	UHF HIGH POWER SIDE MOUNT TV ANT TFU 25JSC/VP-R C150 $46,040.02
	Component Description: **Amount:**	UHF High Power Side Mount $55,248.03
	Component Description: **Amount:**	UHF High Power Side Mount $46,040.03

Site Survey to Layout Dielectric Side Mount Antenna	**Component Description:** **Amount:**	WKYT-210-New Primary Antenna - Site Visit for Antenna Layout $1,675.00
	Component Description: **Amount:**	Site Survey to Layout Side Mount $1,675.00
	Component Description: **Amount:**	Site Survey to Layout Side Mount $2,010.00
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	**Component Description:** **Amount:**	WKYT-210-New Primary Antenna - Pattern Scatter Analysis $875.00
	Component Description: **Amount:**	Pattern Scatter Analysis $875.00
	Component Description: **Amount:**	Pattern Scatter Analysis $1,050.00

Red FAA L-864 LED Obstruction Light	**Component Description:**	WKYT-210-New Primary Antenna-LED Beacon Kit
	Amount:	$1,715.00
	Component Description:	Beacon Kit
	Amount:	$1,715.00
	Component Description:	Beacon Kit
	Amount:	$2,058.00
Sweep test of existing antenna	**Component Description:**	WKYT-210-Sweep test New Primary Antenna
	Amount:	$1,600.00
	Component Description:	Sweep Test New Interim Antenna
	Amount:	$1,600.00
	Component Description:	Sweep Test New Primary Antenna
	Amount:	$1,920.00

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	**Component Description:**	WKYT-210-Elbow complex New Primary Antenna
	Amount:	$3,192.00
	Component Description:	New Primary Antenna Elbow Complex
	Amount:	$3,830.40
	Component Description:	New Primary Antenna Elbow Complex
	Amount:	$3,192.00
Side mount brackets for high power antennas (if not included in antenna base cost)	**Component Description:**	WKYT-210-Side mount brackets New Primary Antenna
	Amount:	$4,888.00
	Component Description:	New Primary Side Mount
	Amount:	$4,888.00
	Component Description:	New Primary Side Mount
	Amount:	$5,865.60

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	**$108,000.00**	**$81,664.65**		**$44,915.58**	
Rigid Transmission Line - copper, 3 1 /8" broadband	$108,000.00	$81,664.65	DTVPros Quote JEHQ1282-05	$44,915.58	N/A
Primary Transmission Line	**$212,100.00**	**$162,304.50**		**$129,843.60**	
Rigid Transmission Line - copper, 6 1/8"	$212,100.00	$162,304.50	DTVPros Quote JEHQ1260-05	$129,843.60	N/A
Sub-total	$320,100.00	$243,969.15	N/A	$174,759.18	N/A
Total for all systems	$4,372,970.57	$3,974,436.67	N/A	$2,059,541.41	N/A

Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 3 1/8" broadband	**Component Description:**	New Interim Transmission Line
	Amount:	$20,416.18
	Component Description:	New Interim Transmission Line
	Amount:	$24,499.40

Rigid Transmission Line - copper, 6 1/8"	**Component Description:**	WKYT-310-New Primary Transmission Line
	Amount:	$40,576.12
	Component Description:	New Primary Transmission Line
	Amount:	$40,576.13
	Component Description:	New Primary Transmission Line
	Amount:	$48,691.35

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	**$844,100.00**	**$847,001.25**		**$55,775.00**	
Tall Tower (greater than 500')	$210,500.00	$241,501.25	GTI America Quote Q17-06-020b	$53,775.00	N/A
Structural engineering tower load study for well documented tower	$12,600.00	$5,500.00	See attached SSC Structural Analysis Quote	$2,000.00	N/A
Moving Equipment	***$200,000.00***	$200,000.00	N/A	N/A	N/A
Major tower reinforcement /modifications	$421,000.00	$400,000.00	N/A	N/A	N/A
Sub-total	$844,100.00	$847,001.25	N/A	$55,775.00	N/A
Total for all systems	$4,372,970.57	$3,974,436.67	N/A	$2,059,541.41	N/A

Components

Actual Information Description	File Name

Tall Tower (greater than 500')	**Component Description:** **Amount:** **Component Description:** **Amount:**	Tower rigging Services- Tall Tower (greater than 500') $33,550.00 Separate mobilization to travel to site, rig tower and install $20,225.00
Structural engineering tower load study for well documented tower	**Component Description:** **Amount:**	WKYT CH 21 Structural Analysis $2,000.00
Moving Equipment	Information not provided.	
Major tower reinforcement /modifications	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	**$177,120.00**	**$167,750.00**		**$50,268.90**	
Project management of the transition	$142,200.00	$135,000.00	N/A	$46,084.90	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	$2,105.00	$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	$2,105.00	$2,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	$3,680.00	$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,250.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	N/A	$196.50	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$1,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	$2,537.50	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	$1,450.00	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,500.00	N/A	N/A	N/A
Sub-total	$177,120.00	$167,750.00	N/A	$50,268.90	N/A
Total for all systems	$4,372,970.57	$3,974,436.67	N/A	$2,059,541.41	N/A

Components

Actual Information Description	File Name
Project management of the transition	**Component Description:** Project Management **Amount:** $2,456.30 **Component Description:** Project Management **Amount:** $2,199.80 **Component Description:** Project Management **Amount:** $1,869.15 **Component Description:** Project management **Amount:** $2,711.90 **Component Description:** Project Management **Amount:** $28.20

Component Description: Project Management
Amount: $2,399.45

Component Description: Project Management
Amount: $1,579.00

Component Description: Project Management
Amount: $2,285.70

Component Description: Project Management
Amount: $2,975.65

Component Description: Project Management
Amount: $1,979.35

Component Description: Project Management
Amount: $1,690.60

Component Description: Project Management
Amount: $755.80

Component Description: Project Management
Amount: $802.25

Component Description: Project Management
Amount: $1,856.25

Component Description: Project management
Amount: $1,816.05

Component Description: Project Management
Amount: $2,264.80

Component Description: Project management
Amount: $2,405.15

Component Description: Project Management
Amount: $1,962.60

Component Description: Project Management
Amount: $2,599.90

Component Description: Project Management
Amount: $801.45

Component Description: Project management
Amount: $3,392.25

Component Description: Project Management
Amount: $2,403.30

Component Description: Transition Related Project Management Costs
Amount: $2,850.00

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 and file initial construction permit application. **Amount:** $196.50
Prepare request for Special Temporary Authorization	Information not provided.
Prepare and or review reimbursement form	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.

Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:**	Engineering Study for New Channel Assignment $275.00
	Component Description: **Amount:**	RF Engineering Consulting $625.00
	Component Description: **Amount:**	Perform engineering study for new channel assignment $1,187.50
	Component Description: **Amount:**	Review technical specs and length of antenna for use as interim $312.50
	Component Description: **Amount:**	Respond to query re: repack Ch-21 non-maximized ERP, directional antenna pattern. $137.50
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:**	Develop final ERP and parameters for initial CP application. $1,450.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	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	**$92,942.00**	**$84,569.50**		**$540.50**	
DTV Medical Facility Notification	$11,550.00	$3,192.50	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	$335.00	$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	$195.00	$190.00	N/A	N/A	N/A
Non-zoning permits	***$12,000.00***	$12,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$38,662.00***	$38,662.00	See attached Degrees of Comfort Transmitter Disposal quote.	N/A	N/A
Equipment Delivery and Handling Charges	***$7,000.00***	$7,000.00	N/A	$540.50	N/A
Develop and air announcement of upcoming channel change	***$10,000.00***	$10,000.00	N/A	N/A	N/A

MVPD Notification of Channel Change	***$1,200.00***	$1,200.00	N/A	N/A	N/A
Security	***$12,000.00***	$12,000.00	N/A	N/A	N/A
Sub-total	$92,942.00	$84,569.50	N/A	$540.50	N/A
Total for all systems	$4,372,970.57	$3,974,436.67	N/A	$2,059,541.41	N/A

Components

Actual Information Description	File Name
DTV Medical Facility Notification	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Non-zoning permits	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Equipment Delivery and Handling Charges	**Component Description:** Equipment Delivery **Amount:** $540.50 **Component Description:** Forklift WHSE 5000# GAS/LP **Amount:** N/A
Develop and air announcement of upcoming channel change	Information not provided.
MVPD Notification of Channel Change	Information not provided.

Security	Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$4,372,970.57	$3,974,436.67	$2,059,541.41

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.	**Robert Folliard** *Assistant Secretary* 02/27/2019

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.	**Robert Folliard** *Assistant Secretary* 02/27/2019

Attachments