



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **4686** | Service: **DTV** | Call **WTOK-TV** | Channel:  
ID: | Sign:  
**13 (High VHF)** | File **0000028736**  
Number:  
FRN: **0018223693** | Date **09/19**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>GRAY TELEVISION LICENSEE, LLC</b> Doing Business As: GRAY TELEVISION LICENSEE, LLC	WTOK 4370 PEACHTREE RD NE ATLANTA, GA 30319 United States	+1 (404) 504- 9828	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
<b>Samuel Hariton</b> <i>Widely</i>	Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.com

**Broadcaster  
Information  
and  
Transition  
Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	The station will be station will be replacing its existing antenna, transmission line, and transmitter. The station will be building a new interim tower at the existing transmitter site to support the interim operations.

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Platinum
	Year	2008
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	8 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?	No
	Manufacturer	
	Model	VAXTE-16R37
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	12.8 kW
	Justification for New Transmitter	Current Harris Platinum transmitter cannot be retuned to Channel 13.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	150 kVA
	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.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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**  
Information not provided.

**Interim  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	VAXTE-8R37
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	6.4 kW
	Justification for New Transmitter	Interim transmitter required 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)	Yes
	Power	150 kVA
	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.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	No

**Interim  
Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
<b>Prefab Building</b>	Prefab building for interim transmitter, includes HVAC

**Antennas**

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



**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	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	Batwing
	ERP: (Effective Radiated Power)	90.0 kW
	Manufacturer	

Model	TF12-AH
Year	1954

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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	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) .....	104.0 kW
	Manufacturer	

Model	THV 10A 13 /VP-R-04
Year	2019
Justification for New Antenna	The manufacturer confirms that the antenna cannot be returned

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Name	Description
Top Plate Adapter	Adapter for the top of the tower to match the bolt pattern of the new antenna

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	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
<b>New Antenna Manufacturer and Type</b>	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	12
	Lower Limit	198.00 MHz
	Upper Limit	216.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	104.0 kW
	Manufacturer	
	Model	TLSV12BB
	Year	2017

	Justification for New Antenna	Interim antenna needed to continue broadcasting through the transition period.
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## Interim Antenna

### Other Antenna Costs

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	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	2
	Length	260 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	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	60 feet per run
	Justification for New Transmission Line	Existing transmission line is 65 years old Only listing 3 sections of Transmission Line per FCC Correspondence.

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	Flexible Air
	Diameter	3 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	270 feet per run
	Justification for New Transmission Line	Interim transmission line needed to continue broadcasting during 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?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1041065
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	32° 19' 39.0" N-
	Longitude (NAD83)	088° 41' 28.0" W-
	Overall Structure Height	315.94 feet
	Support Structure Height	315.94 feet
	Ground Elevation Above Mean Sea Level (AMSL)	667.97 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	Gray Television Group, Inc.
	Date Constructed	05/26/1953

**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
Tower Mapping-Alternate Tower	Tower mapping of alternate tower for possible interim use
Structural Analysis-Alternate Tower	Structural analysis of alternate tower for possible interim use

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	900
	Explanation	Strategic Support
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	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	Yes
	Environmental Assessment	Yes
	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
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

**Outside Professional Services Costs**      **Other Professional Services Expenses Not Listed**

If wireless is not provided.

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	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	Total sales tax for relevant expenses.

## 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
<b>Interim Transmitter VAXTE-8R37</b>	<b>\$245,654.58</b>	<b>\$225,980.37</b>		<b>\$129,136.25</b>	
Prefab Building	<i>\$38,500.00</i>	\$38,500.00	170517-10-01-R1	N/A	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.	<i>\$3,000.00</i>	\$3,000.00	N/A	N/A	N/A
Transformer 3 phase/480v - 150 KVA	\$25,550.00	\$5,875.79	N/A	\$4,113.05	N/A
High VHF - Air Cooled Solid State Transmitter 6.4 kW	<i>\$178,604.58</i>	\$178,604.58	See GatesAir Quote Q-79528	\$125,023.20	N/A
<b>Primary Transmitter VAXTE-16R37</b>	<b>\$338,987.96</b>	<b>\$319,313.75</b>		<b>\$219,741.54</b>	

High VHF - Air Cooled Solid State Transmitter 12.8 kW	<b>\$308,040.71</b>	\$308,040.71	See GatesAir Quote Q-79755	\$214,344.29	N/A
Transformer 3 phase/480v - 150 KVA	\$25,550.00	\$5,875.79	N/A	N/A	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.	<b>\$5,397.25</b>	\$5,397.25	Justifying Quote - WTOK-TV GatesAir Q-79755	\$5,397.25	N/A
<b>Sub-total</b>	\$584,642.54	\$545,294.12	N/A	\$348,877.79	N/A
<b>Total for all systems</b>	\$2,275,714.54	\$2,013,916.97	N/A	\$734,719.38	N/A

## Components

Actual Information	
Description	File Name
Prefab Building	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.	Information not provided.

Transformer 3 phase/480v - 150 KVA	<b>Component Description:</b> WTOK-180- Transformer Interim Transmitter <b>Amount:</b> \$4,113.05
High VHF - Air Cooled Solid State Transmitter 6.4 kW	<b>Component Description:</b> VAXTE-8R37 Transmitter per Quote Q-79528 <b>Amount:</b> \$125,023.20
High VHF - Air Cooled Solid State Transmitter 12.8 kW	<b>Component Description:</b> VAXTE-16R37 Transmitter per Quote Q-79755 <b>Amount:</b> \$214,344.29
Transformer 3 phase/480v - 150 KVA	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.	<b>Component Description:</b> WTOK-110- Electrical Service New 1st Primary Transmitter <b>Amount:</b> \$5,397.25

## 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
<b>Interim Antenna TLSV12BB</b>	<b>\$247,880.00</b>	<b>\$144,789.00</b>		<b>\$59,836.00</b>	
High-VHF, One station antenna . side mount,, elliptically or circularly polarized	\$218,000.00	\$122,837.00	Please see DTV Pros quote JEHQ1292-02	\$48,860.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,200.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$15,552.00	Please see attached DTVPros Quote JEHQ1292-03 and WTOK Purchase Order 155. This amount does not include freight or tax.	\$7,776.00	N/A
<b>Primary Antenna THV 10A 13 /VP-R-04</b>	<b>\$432,050.00</b>	<b>\$354,740.85</b>		<b>\$194,572.86</b>	

Top Plate Adapter	<b>\$19,520.00</b>	\$19,520.00	JEHQ1250	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$12,768.00	JEHQ1250	\$7,022.40	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,520.00	N/A
High-VHF, One station antenna -- top mount, elliptically or circularly polarized	\$393,500.00	\$316,052.85	Please see DTV Pros quote JEHQ1250-04	\$184,030.46	N/A
<b>Sub-total</b>	\$679,930.00	\$499,529.85	N/A	\$254,408.86	N/A
<b>Total for all systems</b>	\$2,275,714.54	\$2,013,916.97	N/A	\$734,719.38	N/A

## Components

Actual Information	
Description	File Name
High-VHF, One station antenna . side mount,, elliptically or circularly polarized	<p><b>Component Description:</b> VHF - BROADBAND PANEL, SIDE MOUNT</p> <p><b>Amount:</b> \$48,860.00</p>

Sweep test of existing antenna	<b>Component Description:</b> WTOK-280-Sweep test Interim Antenna <b>Amount:</b> \$3,200.00
Side mount brackets for high power antennas (if not included in antenna base cost)	<b>Component Description:</b> WTOK-280-Side Mount Brackets Interim Antenna <b>Amount:</b> \$7,776.00
Top Plate Adapter	Information not provided.
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<b>Component Description:</b> WTOK-210-Elbow complex New Primary Antenna <b>Amount:</b> \$3,830.40  <b>Component Description:</b> WTOK-210-Elbow complex New Primary Antenna <b>Amount:</b> \$3,192.00
Sweep test of existing antenna	<b>Component Description:</b> WTOK-210-Sweep test New Primary Antenna <b>Amount:</b> \$1,920.00  <b>Component Description:</b> WTOK-210-Sweep test New Primary Antenna <b>Amount:</b> \$1,600.00

High-VHF, One station antenna -- top mount, elliptically or circularly polarized	<table><tr><td data-bbox="715 181 1018 208"><b>Component Description:</b></td><td data-bbox="1153 181 1358 405">HIGH-VHF TV ANT THV 10A 13 /VP-R-04 WTOK SEE TECH PROPOSAL C- 70437-4</td></tr><tr><td data-bbox="715 421 820 448"><b>Amount:</b></td><td data-bbox="1153 421 1299 448">\$100,380.25</td></tr><tr><td data-bbox="715 560 1018 586"><b>Component Description:</b></td><td data-bbox="1153 560 1281 586">HIGH-VHF</td></tr><tr><td data-bbox="715 600 820 627"><b>Amount:</b></td><td data-bbox="1153 600 1281 627">\$83,650.21</td></tr></table>	<b>Component Description:</b>	HIGH-VHF TV ANT THV 10A 13 /VP-R-04 WTOK SEE TECH PROPOSAL C- 70437-4	<b>Amount:</b>	\$100,380.25	<b>Component Description:</b>	HIGH-VHF	<b>Amount:</b>	\$83,650.21
<b>Component Description:</b>	HIGH-VHF TV ANT THV 10A 13 /VP-R-04 WTOK SEE TECH PROPOSAL C- 70437-4								
<b>Amount:</b>	\$100,380.25								
<b>Component Description:</b>	HIGH-VHF								
<b>Amount:</b>	\$83,650.21								



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	\$15,930.00	\$12,216.00		\$6,408.63	
Flexible Air Transmission Line - dielectric, 3"	\$15,930.00	\$12,216.00	N/A	\$6,408.63	N/A
Primary Transmission Line	\$12,120.00	\$7,365.00		\$4,050.75	
Rigid Transmission Line - copper, 6 1/8"	\$12,120.00	\$7,365.00	See Quote JEHQ1250-01 Amend the 399 to include 3 sections of 6 1/8" transmission line at \$2,455 each, total for transmission line \$7,365.	\$4,050.75	N/A
Sub-total	\$28,050.00	\$19,581.00	N/A	\$10,459.38	N/A
Total for all systems	\$2,275,714.54	\$2,013,916.97	N/A	\$734,719.38	N/A

Components

Actual Information Description	File Name
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Flexible Air Transmission Line - dielectric, 3"	<div> <div>Component Description:</div> <div>Interim Transmission Line</div> <div>Amount:</div> <div>\$6,408.63</div> </div>
Rigid Transmission Line - copper, 6 1/8"	<div> <div>Component Description:</div> <div>WTOK-310-New Primary Transmission Line</div> <div>Amount:</div> <div>\$2,209.50</div> </div> <div> <div>Component Description:</div> <div>WTOK-310-New Primary Transmission Line</div> <div>Amount:</div> <div>\$1,841.25</div> </div>

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	\$523,800.00	\$510,950.00		\$50,850.00	
Structural engineering tower load study for well documented tower	\$12,600.00	\$24,950.00	Per Estimated Cost Justification CE Proposal 2019-Gray-WTOK- 0218-N PO 150, 2017-Gray- WTOK&ScottCom- 0525-N	\$17,325.00	N/A
Short Tower (less than 500')	\$84,200.00	\$80,000.00	N/A	\$17,412.50	N/A
Structural Analysis- Alternate Tower	\$3,000.00	\$3,000.00	See vendor invoice	\$1,500.00	N/A
Tower Mapping- Alternate Tower	\$3,000.00	\$3,000.00	See vendor invoice	\$0.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	\$14,612.50	N/A
Sub-total	\$523,800.00	\$510,950.00	N/A	\$50,850.00	N/A
Total for all systems	\$2,275,714.54	\$2,013,916.97	N/A	\$734,719.38	N/A

Components

Actual Information
DescriptionFile Name

Structural engineering tower load study for well documented tower	<b>Component Description:</b> <b>Amount:</b>	Engineering Evaluation \$8,950.00
	<b>Component Description:</b> <b>Amount:</b>	Structural engineering services \$3,625.00
	<b>Component Description:</b> <b>Amount:</b>	Structural engineering services \$4,500.00
	<b>Component Description:</b> <b>Amount:</b>	Conditional assessment and tower mapping. Level 1 corrosion risk analysis. Engineering evaluation - rigorous analysis. \$3,875.00
Short Tower (less than 500')	<b>Component Description:</b> <b>Amount:</b>	Tower rigging services \$17,412.50
Structural Analysis-Alternate Tower	<b>Component Description:</b> <b>Amount:</b>	Engineering Analysis \$1,500.00
	<b>Component Description:</b> <b>Amount:</b>	Engineering analysis \$1,500.00

Tower Mapping-Alternate Tower	<div><div>Component Description:</div><div>Amount:</div></div> <div>Tower mapping. \$1,500.00</div>
Major tower reinforcement /modifications	<div><div>Component Description:</div><div>Amount:</div></div> <div>Tower Base Reinforcing Parts \$14,612.50</div>

## 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
<b>Outside Professional Services</b>	<b>\$215,000.00</b>	<b>\$203,750.00</b>		<b>\$70,123.35</b>	
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
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	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 engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,550.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,037.50	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
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$142,200.00	\$135,000.00	N/A	\$66,339.35	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$215,000.00	\$203,750.00	N/A	\$70,123.35	N/A
<b>Total for all systems</b>	\$2,275,714.54	\$2,013,916.97	N/A	\$734,719.38	N/A

## Components

Actual Information	
Description	File Name
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.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
NEPA Section 106 environmental review, if needed	Information not provided.



Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<div> <div> <b>Component Description:</b> </div> <div> Prepare and file Repack CP application </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$196.50 </div> </div>
Prepare request for Special Temporary Authorization	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	<div> <div> <b>Component Description:</b> </div> <div> Initial CP application </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$1,550.00 </div> </div>

Perform engineering study for new channel assignment and antenna development	<div> <b>Component Description:</b> Perform engineering study for new channel assignment</div> <div> <b>Amount:</b> \$650.00 </div>
	<div> <b>Component Description:</b> Consulting Engineering - J. Davis - Hourly (@ \$250/hr)</div> <div> <b>Amount:</b> \$350.00 </div>
	<div> <b>Component Description:</b> response to review of reimbursement form 399</div> <div> <b>Amount:</b> \$812.50 </div>
	<div> <b>Component Description:</b> Chesapeake RF Consultants, LLC</div> <div> <b>Amount:</b> \$225.00 </div>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare and or review reimbursement form	Information not provided.
Project management of the transition	<div> <b>Component Description:</b> Project Management</div> <div> <b>Amount:</b> \$2,043.75 </div> <div> <b>Component Description:</b> Project Management</div> <div> <b>Amount:</b> \$1,831.85 </div> <div> <b>Component Description:</b> Project Mgt</div> <div> <b>Amount:</b> \$28.20 </div>

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,118.10

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$2,981.30

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,592.60

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$5,613.45

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,669.45

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,863.80

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,114.20

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,978.20

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$2,397.30

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,172.10

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,551.85

<b>Component Description:</b>	Project mangement
<b>Amount:</b>	\$2,231.90

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,281.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,951.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,933.55

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,530.65

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$755.80

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,769.85

	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$2,281.15
	<b>Component Description:</b>	Cost Reconciliation
	<b>Amount:</b>	\$2,098.95
	<b>Component Description:</b>	Project Mgt
	<b>Amount:</b>	\$1,138.95
	<b>Component Description:</b>	Project management
	<b>Amount:</b>	\$2,442.65
	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$2,911.90
	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$1,886.50
	<b>Component Description:</b>	Project Mgt
	<b>Amount:</b>	\$802.25
	<b>Component Description:</b>	Transition Related Project Management Costs
	<b>Amount:</b>	\$3,000.00
	<b>Component Description:</b>	Project management
	<b>Amount:</b>	\$1,366.05
RF Exposure Measurements	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
<b>Other Expenses</b>	<b>\$244,292.00</b>	<b>\$234,812.00</b>		<b>\$0.00</b>	
Sales Tax	<i>\$158,102.00</i>	\$158,102.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$1,000.00</i>	\$1,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Equipment Storage	<i>\$12,000.00</i>	\$12,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,125.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	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
<b>Sub-total</b>	\$244,292.00	\$234,812.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$2,275,714.54	\$2,013,916.97	N/A	\$734,719.38	N/A

## Components

Information not provided.



<b>Cost Information</b>	<b>Grand Total</b>		
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>
			<b>Actual Cost</b>
	<b>Total for all systems</b>	\$2,275,714.54	\$2,013,916.97
			\$734,719.38

<b>Reimbursement Status</b>	<b>Question</b>	<b>Response</b>
	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"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	

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 , III**  
.  
*Assistant  
Secretary*

09/19/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>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).</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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><b>Robert Folliard , III</b> . <i>Assistant Secretary</i></p> <p>09/19/2019</p>

## Attachments