

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility	4686	Service: DTV	Call	WTOK-TV	Channel:
ID:			Sign:		
13 (High	VHF)	File C Number:	000028736		
FRN: 0018	223693	Date Submitted:	09/21 /2020		

Applicant Name, Type, and Contact Information

Information

Address	Phone	Email	Applicant Type
WTOK	+1	Robert.	Limited
PEACHTREE	(404)	Folliard@gray.	Liability
RD NE	504-	tv	Company
ATLANTA,	9828		
GA 30319			
United States			
	WTOK PEACHTREE RD NE ATLANTA, GA 30319	WTOK +1 PEACHTREE (404) RD NE 504- ATLANTA, 9828 GA 30319	WTOK +1 Robert. PEACHTREE (404) Folliard@gray. RD NE 504- tv ATLANTA, 9828 GA 30319

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contact Name and Information				
Contact Information	Applicant	Address	Phone	Email	
	Samuel Hariton Widelity	Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.com	

Broadcaster Information and Transition Plan	Question	Response
	Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
	Briefly describe transition plan	The station will be 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	Existing Transmitter Information				
Fransmitter	Section	Question	Response		
	Existing Transmitter Description	Type of change	Purchase New		
		Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
		Is this transmitter currently shared with another station?	No		
		Is this transmitter currently in operating condition?	Yes		
	Existing Transmitter	Manufacturer			
	Manufacturer and Type	Model	Platinum		
		Year	2008		
		Туре	Solid State		
		Solid State Cooling	Air Cooled		
		Solid State Power Capacity	8 kW		

Existing Transmitter Information

Primary	New Transmitter Costs				
Transmitter	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.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Improvement	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Other Transmitter Cost Not Listed

Transmitter Information not provided.

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

Interim	Other Transmitter Cost Not Listed		
Transmitter	Name	Description	
	Prefab Building	Prefab building for interim transmitter, includes HVAC	

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information			
Antenna	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing antenna shared with another station or stations?	No	
		Is the existing antenna directional?	No	
		Is antenna in operating condition?	Yes	
		Is antenna located on or in close proximity to an antenna farm?	Yes	
	Existing Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Top Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	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

	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	Class	Full Power
	Manufacturer and Types	Mounting	Top Mount
		Antenna position in stack	Not in Stack
		Polarization	Elliptical
		Туре	Slotted Coaxial
		Number of Stations Supported	N/A
		Number of Panels/Bays	N/A
		Lower Limit	N/A
		Upper Limit	N/A
		Design power capacity in use	N/A
		Other Antenna Type	N/A
		ERP: (Effective Radiated Power)	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 retuned

Primary Antenna	Other Antenna Costs			
	Section	Question	Response	
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No	
		Туре		
		Number of channels supported	N/A	
		Frequencies of channels supported	N/A	
		Frequency	N/A	
		Do you need a combiner output splitter /switcher for dual feed lines?	N/A	
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes	
		Broadband or Single Channel?	Single Channel	
		Feed Line Size	6 1/8 inches inches	
	Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No	
	Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No	
	Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes	

Primary	Other Antenna Cost Not Listed		
Antenna	Name	Description	
	Top Plate Adapter	Adapter for the top of the tower to match the bolt pattern of the new antenna	

Interim	New Antenna Costs			
Antenna	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?	No	
		Will antenna be located on or in close proximity to an antenna farm?	Yes	
	New Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		Туре	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	

Interim
antenna
needed to
continue
broadcasting
through the
transition
period.

Interim
Antenna Other Antenna Costs Question Response Elbow Complex Do you require the separate purchase of the Elbow Complex? No Broadband or Single Channel? N/A

	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
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 Other Antenna Cost Not Listed

Antenna Information not provided.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

ransmissio	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	Manufacturer	
	Line Manufacturer and Type	Туре	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 Existing Transmission Line

Primary	New Transmission Line			
Transmissio	n 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	
		Туре	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.	

Other Transmission Line Expenses Not Listed Transmission

Interim	New Transmission Line			
Transmissio	n Line Section	Question	Response	
	New Transmission Line	Use	Interim	
	Costs	Description of Use	N/A	
		Change Type	Purchase New	
		Туре	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 Other Transmission Line Expenses Not Listed

Transmission home tion not provided.

Tower	Section	Question	Response
Equipment And Rigging Costs	Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

marv	Existing	Tower
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Primary	Existing Tower			
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 (<u>NAD83</u> (North American Datum of 1983))	Latitude (NAD83)	32° 19' 39.0" N-	
1983))		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

Tower Modification Costs Primary

Tower

Tower

Section Question Response Please what type of engineering study is Study needed **Engineering Study** required, if any: for documented tower **Tower Reinforcements** Please select whether tower reinforcements Major are needed: Reinforcements needed

Tower Rigging Costs Primary

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

Outside	Section	Question	Response
Professional	Services Costs 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	Yes
		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
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Other Professional Services Expenses Not Listed Professional Services roopstsided.

Other	Section	Question	Response
Expenses	AM Pattern Disturbance	Is an Impact Study needed?	No
		Is Remediation needed?	No
	Facility Expenses	Name	N/A
		Other Distributed Transmission System Expenses Not listed	N/A
		Name	N/A
		Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
	Permit and Filing Costs	Local Zoning	No
		Non-zoning permits	No
		BLM or NFS Coordination	No
		FCC Construction Permit Minor Change	Yes
		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?	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 Not Listed

Other

Expenses	Name	Description
	Sales Tax	Total sales tax for relevant expenses.
	FCC Filing Fees - Form 2100 construction permit for auxiliary antenna	auxiliary antenna construction permit filing fees

Transmitters

Cost Information

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

Description Interim Transmitter VAXTE-8R37 Prefab Building	Predetermined Cost Estimate \$245,654.58 \$38,500.00	Estimated Cost \$226,341.26 \$38,500.00	Estimated Cost Justification	Actual Cost \$183,881.64 N/A	Actual Cost Justification
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.	\$3,000.00	\$3,000.00	01-R1 N/A	\$0.00	N/A
Transformer 3 phase/480v - 150 KVA	\$25,550.00	\$6,236.68	see Estimated Cost Justification WTOK-180- Transformer Interim Transmitter v0	\$6,236.67	N/A

High VHF - Air Cooled Solid State Transmitter 6.4 kW	\$178,604.58	\$178,604.58	See GatesAir Quote Q- 79528	\$177,644.97	N/A
Primary Transmitter VAXTE-16R37	\$360,310.42	\$334,760.42		\$318,614.21	
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	\$8,335.68	\$8,335.68	see Estimated Cost Justification WTOK-110- Electrical Service New 1st Primary Transmitter V0	\$8,335.68	N/A
Transformer 3 phase/480v - 150 KVA	\$25,550.00	\$0.00	This cost has been included in the primary transmitter electrical service category.	\$0.00	N/A
High VHF - Air Cooled Solid State Transmitter 12.8 kW	\$326,424.74	\$326,424.74	see Estimated Cost Justification WTOK-110- New 1st Primary Transmitter v0	\$310,278.53	N/A

Total for all	\$2,301,264.00	\$2,032,844.53	N/A	\$947,523.89	N/A
systems					

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	Component Description:	WTOK-180- Transformer Interim Transmitter
	Amount:	\$4,113.05
	Component Description:	WTOK-180- Transformer Interim Transmitter
	Amount:	\$2,123.62
High VHF - Air Cooled Solid State Transmitter 6.4 kW	Component Description:	VAXTE-8R37 Transmitter per
	Amount:	Quote Q-79528 \$125,023.20
	Component Description: Amount:	A. Transmitter \$52,621.77

Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site.	Component Description:	WTOK-110- Electrical Service
The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	Amount:	New 1st Primary Transmitter \$5,397.25
	Component Description:	WTOK-110- Electrical Service New 1st Primary Transmitter
	Amount:	\$2,938.43
Transformer 3 phase/480v - 150 KVA	Information not provided.	
High VHF - Air Cooled Solid State Transmitter 12.8 kW	Component Description:	VAXTE-16R37 Transmitter per Quote Q-79755
	Amount:	\$214,344.29
	Component Description:	A. Transmitter
	Amount:	\$95,934.24

Antennas

Cost Information

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

	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Interim Antenna TLSV12BB	\$247,880.00	\$144,789.00		\$59,836.00	
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
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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,200.00	N/A
Primary Antenna THV 10A 13 /VP-R-04	\$432,050.00	\$354,740.85		\$194,572.86	

Top Plate Adapter	\$19,520.00	\$19,520.00	JEHQ1250	N/A	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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,520.00	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
Sub-total	\$679,930.00	\$499,529.85	N/A	\$254,408.86	N/A
Total for all systems	\$2,301,264.00	\$2,032,844.53	N/A	\$947,523.89	N/A

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

Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description:	WTOK-280-Side Mount Brackets Interim Antenna
	Amount:	\$7,776.00
Sweep test of existing		
antenna	Component Description:	WTOK-280-Swee
		test Interim
		Antenna
	Amount:	\$3,200.00
Top Plate Adapter	Information not provided.	
High-VHF, One station		
antenna top mount, elliptically or circularly	Component Description:	HIGH-VHF TV
polarized		ANT THV 10A 13
polalized		/VP-R-04 WTOK
		SEE TECH
		PROPOSAL C- 70437-4
	Amount:	\$100,380.25
	Amount.	\$100,000.20
	Component Description:	HIGH-VHF
	Amount:	\$83,650.21
Sweep test of existing		
antenna	Component Description:	WTOK-210-Swee
		test New Primary
		Antenna
	Amount:	\$1,920.00
	Component Description:	WTOK-210-Swee
		test New Primary
		Antenna

Elbow complex, single channel, at antenna inpu per 6 1/8. feedline (if needed)	ut, Component Description: Amount:	WTOK-210-Elbow complex New Primary Antenna \$3,830.40
	Component Description:	WTOK-210-Elbow complex New
		Primary Antenna
	Amount:	\$3,192.00

Transmission Line

Cost Information

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	\$2,301,264.00	\$2,032,844.53	N/A	\$947,523.89	N/A

Actual Information	
Description	File Name

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

Tower Equipment and Rigging Costs

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatio
Primary Tower TOWER	\$523,800.00	\$510,950.00		\$66,162.50	
Structural Analysis- Alternate Tower	\$3,000.00	\$3,000.00	See vendor invoice	\$1,500.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	\$29,925.00	N/A
Tower Mapping- Alternate Tower	\$3,000.00	\$3,000.00	See vendor invoice	\$0.00	N/A
Short Tower (less than 500')	\$84,200.00	\$80,000.00	N/A	\$17,412.50	N/A
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
Sub-total	\$523,800.00	\$510,950.00	N/A	\$66,162.50	N/A
Total for all systems	\$2,301,264.00	\$2,032,844.53	N/A	\$947,523.89	N/A

Actual Information	
Description	File Name

Structural Analysis-Alternate Tower	Component Description: Amount:	Engineering Analysis \$1,500.00
	Component Description: Amount:	Engineering analysis \$1,500.00
Major tower reinforcement /modifications	Component Description: Amount:	Tower Base Reinforcing Parts \$14,612.50
	Component Description: Amount:	Tower Base Reinforcing Parts \$15,312.50
Tower Mapping-Alternate Tower	Component Description: Amount:	Tower mapping. \$1,500.00
Short Tower (less than 500')	Component Description: Amount:	Tower rigging services \$17,412.50

Structural engineering tower load study for well		
documented tower	Component Description:	Structural
		engineering
		services
	Amount:	\$4,500.00
	Component Description:	Structural
		engineering
		services
	Amount:	\$3,625.00
	Component Description:	Engineering
		Evaluation
	Amount:	\$8,950.00
	Component Description:	Conditional
		assessment and
		tower mapping.
		Level 1 corrosion
		risk analysis.
		Engineering
		evaluation -
		rigorous analysis.
	Amount:	\$3,875.00

Outside Professional Services

Cost Information

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
Outside Professional Services	\$217,105.00	\$204,708.00		\$109,765.30	
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$2,105.00	\$83.00	Please see WTOK-TV Wiley Rein Aux CP, filing fees Revision Justification Cover Letter	\$83.00	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	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	\$1,185.50	N/A

Prepare	\$2,050.00	\$1,500.00	N/A	\$662.50	N/A
request for Special Temporary Authorization	Ψ_,000.00	ψ1,300.00		4002.00	W/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$250.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,875.00	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$3,875.00	Please see submitted invoices.
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,625.00	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	\$100,084.30	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
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
Sub-total	\$217,105.00	\$204,708.00	N/A	\$109,765.30	N/A
Total for all systems	\$2,301,264.00	\$2,032,844.53	N/A	\$947,523.89	N/A

Components

Actual Information Description	File Name	
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Component Description: Amount:	For Professional Services Rendered \$83.00
RF Exposure Measurements	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:	Prepare and file Repack CP application
	Amount: Component Description:	\$196.50 For Professional
	Amount:	Services Rendered \$989.00
Prepare request for Special Temporary Authorization	Component Description:	WTOK-530-RF
		Eng STA
	Amount:	\$662.50
Prepare engineering section of FCC Form 2100		\$662.50
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Amount: Component Description: Amount:	-
section of FCC Form 2100 (main), License to Cover	Component Description:	\$662.50 Regarding repack Ch-13 side-mount \$250.00 Develop technical parameters for
section of FCC Form 2100 (main), License to Cover Application Prepare engineering section of FCC Form 2100 (main), Construction Permit	Component Description: Amount:	\$662.50 Regarding repack Ch-13 side-mount \$250.00 Develop technical
section of FCC Form 2100 (main), License to Cover Application Prepare engineering section of FCC Form 2100 (main), Construction Permit	Component Description: Amount: Component Description:	\$662.50 Regarding repack Ch-13 side-mount \$250.00 Develop technical parameters for auxiliary antenna

Perform engineering study		
for new channel	Component Description:	WTOK-530-RF
assignment and antenna		Eng Study
development	Amount:	\$662.50
	Component Description:	Perform
		engineering study for new channel
	A	assignment
	Amount:	\$650.00
	Component Description:	Consulting
		Engineer - J. Davi
	Amount:	\$925.00
	Component Description:	Chesapeake RF
		Consultants, LLC
	Amount:	\$225.00
	Component Description:	response to review
		of reimbursement
	Amount:	form 399 \$812.50
	Amount.	ψ012.00
	Component Description:	Consulting
		Engineering - J.
		Davis - Hourly (@
		\$250/hr)
	Amount:	\$350.00
Address transition timing and coordination issues w/	Information not provided.	
other stations and wireless		
Prepare and or review	Information not provided.	
reimbursement form		
reimbursement form Project management of the		
Project management of the transition	Component Description:	Project
Project management of the	Component Description:	Project Management \$1,551.85

Component Description: Amount:	Project Management \$2,326.20
Component Description: Amount:	Project Management \$2,410.15
Component Description: Amount:	Transition Related Project Management Costs \$3,000.00
Component Description: Amount:	Project management \$1,366.05
Component Description: Amount:	Project Mgt \$28.20
Component Description: Amount:	Project Management \$3,909.55
Component Description: Amount:	Project Management \$2,118.10
Component Description: Amount:	Project Mgt \$2,981.30
Component Description: Amount:	Project Management \$2,592.60

Component Description: Amount:	Project Management \$2,888.05
Component Description: Amount:	Project Management \$4,101.05
Component Description: Amount:	Project Management \$2,104.50
Component Description: Amount:	Project Management \$5,169.50
Component Description: Amount:	Project Management \$1,710.65
Component Description: Amount:	Project Management \$2,669.45
Component Description: Amount:	Project Management \$3,863.80
Component Description: Amount:	Project Management \$2,120.90
Component Description: Amount:	Project Management \$1,951.40

Component Description: Amount:	Project mangement \$2,231.90
Component Description: Amount:	Project Management \$1,831.85
Component Description: Amount:	Cost Reconciliation \$2,098.95
Component Description: Amount:	Project Management \$2,087.25
Component Description: Amount:	Project Management \$2,043.75
Component Description: Amount:	Project Management \$3,530.65
Component Description: Amount:	Project Management \$2,281.65
Component Description: Amount:	Project Management \$5,613.45
Component Description: Amount:	Project Management \$2,742.15

Component Description: Amount:	Project Management \$2,172.10
Component Description: Amount:	Project Mgt \$802.25
Component Description: Amount:	Project Management \$2,114.20
Component Description: Amount:	Project Mgt \$755.80
Component Description: Amount:	Project Management \$1,978.20
Component Description: Amount:	Project Management \$1,933.55
Component Description: Amount:	Project Management \$2,281.15
Component Description: Amount:	Project Mgt \$1,138.95
Component Description: Amount:	Project Management \$1,886.50
Component Description: Amount:	Project Mgt \$2,397.30

	Component Description: Amount:	Project Management \$2,911.90
	Component Description: Amount:	Project Management \$1,769.85
	Component Description: Amount:	Project management \$2,442.65
	Component Description: Amount:	Project Management \$2,175.00
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.	
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.	

Other Expenses

Cost Information

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	\$246,414.00	\$236,974.00		\$4,232.00	
FCC Filing Fees - Form 2100 construction permit for auxiliary antenna	\$1,110.00	\$1,110.00	Please see WTOK-TV Wiley Rein Aux CP, filing fees Revision Justification Cover Letter	\$1,110.00	N/A
Sales Tax	\$158,102.00	\$158,102.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$2,012.00	\$2,012.00	Estimated Cost Justification WTOK-610- MVPD Notifications v0	\$2,012.00	N/A
Develop and air announcement of upcoming channel change	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Equipment Storage	\$12,000.00	\$12,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$25,000.00	\$25,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	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 - Form 2100 minor change CP application	\$1,110.00	\$1,110.00	see Estimated Cost Justification WTOK-610- FCC Filing Fee 2100 CP v0	\$1,110.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,125.00	N/A	N/A	N/A
Sub-total	\$246,414.00	\$236,974.00	N/A	\$4,232.00	N/A
Total for all systems	\$2,301,264.00	\$2,032,844.53	N/A	\$947,523.89	N/A

Components

Actual Information Description	File Name	
FCC Filing Fees - Form 2100 construction permit for auxiliary antenna	Component Description: Amount:	WTOK-610-CP filing fees - Aux \$1,110.00
Sales Tax	Information not provided.	

MVPD Notification of Channel Change	Component Description: Amount:	Prepare MVPD Notices. \$2,012.00
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Information not provided.	
Equipment Delivery and Handling Charges	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Component Description: Amount:	WTOK-610-FCC filing fee 2100 CP \$1,110.00
DTV Medical Facility Notification	Information not provided.	

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$2,301,264.00	\$2,032,844.53	\$947,523.89	

Reimbursem	envestiatus	Response
	The facility has ceased operating on its pre- auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

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.	
		 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. 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).
- 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.	
an aut nameo	are, under penalty of perjury, that I am horized representative of the above- d applicant for the Authorization(s) ed above.	Robert Folliard , III Assistant Secretary 09/21/2020

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).	
		 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).
- 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.	
an aut name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) ied above.	Robert Folliard , III Assistant Secretary 09/21/2020

Attachments

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