

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 71326 Service: DTV Call WDBD Channel: 14 (UHF)

Sign:

ID:

File **0000024800**

Number:

FRN: **0021937883** Date **10/23**

Submitted: /2018

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WDBD LICENSE SUBSIDIARY, LLC Doing Business As: WDBD LICENSE SUBSIDIARY, LLC	Thomas Henson 2131 AYRSLEY TOWN BLVD. SUITE 300 CHARLOTTE, NC 28273 United States	+1 (704) 643- 4148	thenson@ayrsley.	Limited Liability Company

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
The Preparer is same as the reimbursement contact.			

Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	Install interim (shared) antenna on existing interim tower Remove existing shared antenna and replace with individual antennas and lines Transmitter Plan attached

Transmitters

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

Auxiliary Transmitter

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Emergency Backup
	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	ТВА
	Year	2003
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	1.2 kW

Auxiliary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	UAXTE-2
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1.1 kW
	Justification for New Transmitter	Existing transmitter can not be retuned

Auxiliary 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	No
	Description	N/A
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 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

Auxiliary Transmitter Unformation not provided.

Other Transmitter Cost Not Listed

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	
Manufacturer and Type	Model	DCX
	Year	2003
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-50
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	30.1 kW
	Justification for New Transmitter	Existing transmitter can not be retuned Headroom analysis attached

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes

	Description	EMT distribution to transmitters from switchgear. Quote attached: WDBD Permanent TRANSMITTERS
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 Transmitter

Other Transmitter Cost Not Listed

Name	Description
Transmitter de-install	removal of existing transmitters and electrical prior to permanent tx install.

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-60
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	30 kW
	Justification for New Transmitter	existing transmitters have to be removed prior to installing new mains due to space issues. Interim tx to be installed in leased building. Please see attachment: WDBD WLOO Plan rev c. docx

Interim Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes

Transformer (480V) Yes			
Rigid Conduit and Wiring No		Transformer (480V)	Yes
Size N/A		Power	300 kVA
Length		Rigid Conduit and Wiring	No
Other Electrical Service Pescription Description EMT conduit for distribution from switchgear to transmitters. Quote attached: WDBD WLOO Interim TRANSMITTERS HVAC Service Does the replacement transmitter require HVAC Service? Type N/A Size N/A Other Size N/A Other Size N/A Transmitter Building Addition/Modification or Leasehold improvement? Size N/A Channel 14 Costs Is an RF Consulting Engineer needed? Is a channel 14 Mask Filer needed? N/A Number of Days Inside RF System Is an additional interior RF system required Yes		Size	N/A
Description EMT conduit for distribution from switchgear to transmitters. Quote attached: WDBD WLOO Interim TRANSMITTERS HVAC Service Does the replacement transmitter require HVAC Service? 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? 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 Inside RF System Is an additional interior RF system required Yes		Length	N/A
HVAC Service Does the replacement transmitter require HVAC Service? Type N/A Size N/A Other Size N/A Transmitter Building Addition/Modification or Leasehold Improvement Size Channel 14 Costs Is an RF Consulting Engineer needed? Is a channel 14 Mask Filer needed? N/A Number of Days Is an additional interior RF system required Ves		Other Electrical Service	Yes
HVAC Service? Type N/A Size N/A Other Size N/A Transmitter Building Addition/Modification or Leasehold 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 1 Inside RF System Is an additional interior RF system required Yes		Description	distribution from switchgear to transmitters. Quote attached: WDBD WLOO Interim
Size Other Size N/A Other Size N/A Transmitter Building Addition/Modification or Leasehold improvement Size N/A Channel 14 Costs Is an RF Consulting Engineer needed? Is a channel 14 Mask Filer needed? N/A Is additional field engineering time needed? N/A Number of Days Is an additional interior RF system required Yes	HVAC Service		No
Other Size N/A Transmitter Building Addition/Modification or Leasehold 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 1 Inside RF System Is an additional interior RF system required Yes		Туре	N/A
Transmitter Building Addition/Modification or Leasehold improvement Size N/A Channel 14 Costs Is an RF Consulting Engineer needed? Is a channel 14 Mask Filer needed? N/A Is additional field engineering time needed? N/A Number of Days Is an additional interior RF system required Yes		Size	N/A
Addition/Modification or Leasehold 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 1 Inside RF System Is an additional interior RF system required Yes		Other Size	N/A
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 1 Inside RF System Is an additional interior RF system required Yes	Addition/Modification or Leasehold	addition, modification, other leashold	No
Is a channel 14 Mask Filer needed? Is additional field engineering time needed? N/A Number of Days Inside RF System Is an additional interior RF system required Yes	Improvement	Size	N/A
Is additional field engineering time needed? N/A Number of Days 1 Inside RF System Is an additional interior RF system required Yes	Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
Number of Days 1 Inside RF System Is an additional interior RF system required Yes		Is a channel 14 Mask Filer needed?	N/A
Inside RF System Is an additional interior RF system required Yes		Is additional field engineering time needed?	N/A
		Number of Days	1
	Inside RF System		Yes

Interim

Transmitter Information not provided.

Antennas

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

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?	Yes
	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	Class	Full Power
Manufacturer and Type	Mounting	Side 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	Broadband Slot
	ERP: (Effective Radiated Power)	981.0 kW

Manufacturer	
Model	ATW28h3- HST1-40H
Year	2003

Facility ID's and Call Signs of all stations with whom the antenna is shared.

Facility ID	Call Sign
84253	WLOO

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side 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)	555.0 kW
	Manufacturer	

Model	TFU-28JSA /VP-R 3T180
Year	2019
Justification for New Antenna	existing shared broadband slot can not be retuned. (cut for ch 40/41) Station will install a new single channel antenna as it is less expensive than installing a combined shared system. E- pol premium is not reimbursable

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?	No

	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 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

Other Antenna Cost Not Listed

Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Slot
	Number of Stations Supported	2
	Number of Panels/Bays	24
	Lower Limit	470.00 MHz
	Upper Limit	584.00 MHz
	Design power capacity in use	90.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	350.0 kW
	Manufacturer	
	Model	TFU-WB24
	Year	2019

Justification for New Antenna	Interim
	during
	antenna
	and line
	change

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	2
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	Yes
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	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?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number		
41		
40		

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Existing Transmission Line

Primary Transmission

n 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?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Туре	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2060 feet per run

Facility ID's and Call Signs of all stations with whom the transmission line is shared.

Facility ID	Call Sign
84253	WLOO

New Transmission Line

Primary
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	2030 feet per run
	Justification for New Transmission Line	existing broadband can not be retuned to work at Ch- 14 and will be used as shared interim facility with WLOO Network analysis composite attached

Primary
Other Transmission Line Expenses Not Listed
Transmission Icinetion not provided.

Interim

New Transmission Line

Transmission	n Line Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	6 1/8 inches
		Segment Length	Broadband
		Other Segment Length	
		Number of parallel runs	1
		Length	750 feet per run
		Justification for New Transmission Line	Justification and costs contained in attachment: WDWD WLOO Interim Line. docx

Interim Other Transmission Line Expenses Not Listed Transmission Line tion 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

Auxiliary Tower

Add Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	interim
	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?	No
	Is tower compliant with Rev G?	No
Existing Tower	Do you have a tower registration number?	No
Structure Registration	ASR Number	
Coordinates (NAD83 (Latitude (NAD83)	32° 12' 49.9" N
North American Datum of 1983))	Longitude (NAD83)	090° 22' 56.5" W-
	Overall Structure Height	745.00 feet
	Support Structure Height	700.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	410.00 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	WLBT
Date Constructed	02/02/2006

Auxiliary Tower

Tower Modification Costs

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

Auxiliary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

Auxiliary Tower

Other Tower Expenses Not Listed

Name	Description
Removal of dormant equip	To allow installation of interim antenna and line

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	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure	Do you have a tower registration number?	No
Registration	ASR Number	
Coordinates (NAD83 (North American Datum of	Latitude (NAD83)	32° 12' 49.9" N-
1983))	Longitude (NAD83)	090° 22' 56.5" W-
	Overall Structure Height	1998.01 feet
	Support Structure Height	1879.90 feet
	Ground Elevation Above Mean Sea Level (AMSL)	410.10 feet
	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	WLBT, LLC

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
84253	WLOO	DTV
68542	WLBT	DTV
59822	WMSI-FM	FM
37177	WSTZ-FM	FM

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:	Minor 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

Information not provided.

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	300
	Explanation	Pattern analysis Antenna Spec Transmitter Spec Building drawings Installation Supervision Accounting Internal Legal
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	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	No
	Address transition timing and coordination issues w/ other stations and wireless providers	No
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside
Outside
Professional Services Expenses Not Listed
Professional Services © pstsided.

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	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	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)?	No
	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	
Equipment Shelter Repairs	Repair wall at the equipment shelter	
Security service	Armed security provided by vendor to the equipment shelter site	

Cost Information

Transmitters

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

		•	` ' '	•		
Transmitter	Description				Actual Cost	Actua Justifi
Industrial 800 amp	Transmitter	\$1,246,200.00	\$1,193,214.68		\$975,313.81	
Phase/480v - 300 KVA	industrial 800	\$38,200.00	\$0.00		N/A	N
Additional field engineering time, 1 days UHF inside RF system including switching Other Electrical Service: EMT conduit for distribution from switchgear to transmitters. Quote attached: WDBD WLOO Interim TRANSMITTERS UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW Primary Transmitter \$1,314,930.00 \$93,930.00 Dielectric quote 981002 Line 1 attached N/A WDBD WLOO Interice 1 Attached WDBD WLOO Interice 1 Attached WDBD WLOO Interice 1 Attached (per change order Q-76402) \$70,300.00 Quote attached WDBD WLOO Interice 1 Attached (per change order Q-76402) \$987,584.68 Quote attached (per change order Q-76402) \$784,076.13	phase/480v -	\$36,800.00	\$35,000.00	N/A	N/A	N/
system including switching Other Electrical S70,300.00 \$70,300.00 quote attached WDBD WLOO Interim TRANSMITTERS Quote attached: WDBD WLOO Interim TRANSMITTERS UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW Primary \$1,314,930.00 \$1,219,904.84 \$784,076.13	Additional field engineering	\$6,400.00	\$6,400.00	N/A	N/A	N/
Service: EMT conduit for distribution from switchgear to transmitters. Quote attached: WDBD WLOO Interim TRANSMITTERS UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW Primary Transmitter WDBD WLOO Interim TRANSMITTERS WDBD WLOO Interim TRANSMITTERS Quote attached (per change order Q-76402) \$784,076.13 \$784,076.13	system including	\$147,500.00	\$93,930.00	981002 Line 1	N/A	N
Cooled Solid (per change State order Q-76402) Transmitter 21 - 31 kW Primary \$1,314,930.00 \$1,219,904.84 \$784,076.13 Transmitter	Service: EMT conduit for distribution from switchgear to transmitters. Quote attached: WDBD WLOO Interim	\$70,300.00	\$70,300.00	WDBD WLOO Interim	N/A	N/
Transmitter	Cooled Solid State Transmitter 21 -	\$947,000.00	\$987,584.68	(per change	\$975,313.81	N
	Transmitter	\$1,314,930.00	\$1,219,904.84		\$784,076.13	

Transmitter de-	\$33,420.00	\$33,420.00	Quote attached	N/A	N/
install			Raycom - Clinton Quote		
			WDBD		
Channel 14 Mask Filter	\$189,500.00	\$0.00	included in main tx quote	N/A	N/
RF Consulting Engineer	\$5,260.00	\$5,000.00	N/A	\$0.00	N/
Other Electrical Service: EMT distribution to transmitters from switchgear. Quote attached: WDBD Permanent TRANSMITTERS	\$64,750.00	\$64,750.00	Quote attached WDBD Permanent TRANSMITTERS	N/A	N/
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$1,045,434.84	Quote attached Headroom analysis attached	\$784,076.13	N/
Auxiliary Transmitter UAXTE-2	\$315,500.00	\$69,160.55		\$51,873.42	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$69,160.55	Quote attached	\$51,873.42	N/
Channel 14 Mask Filter	\$189,500.00	\$0.00	included in backup transmitter quote	N/A	N/
Sub-total	\$2,876,630.00	\$2,482,280.07	N/A	\$1,811,263.36	N/

Total for all	\$5,087,990.00	\$4,142,997.27	N/A	\$2,736,373.09	N/
systems					

Components

Actual Information Description	File Name	
Switchgear - industrial 800 amp	Information not provided.	
Transformer 3 phase/480v - 300 KVA	Information not provided.	
Channel 14 Additional field engineering time, 1 days	Information not provided.	
UHF inside RF system including switching	Information not provided.	
Other Electrical Service: EMT conduit for distribution from switchgear to transmitters. Quote attached: WDBD WLOO Interim TRANSMITTERS	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Component Description: Amount:	Interim Transmitter \$312,445.80
	Component Description: Amount:	Interim Transmitter \$301,415.02
	Component Description: Amount:	ULXTE-60 \$361,452.99
Transmitter de-install	Information not provided.	
Channel 14 Mask Filter	Information not provided.	
RF Consulting Engineer	Component Description: Amount:	RF consulting \$5,000.00

Information not provided.	
Information not provided.	
Information not provided.	
Component Description: Amount:	ULXTE-50 \$104,543.48
Component Description: Amount:	Primary Transmitter \$522,717.42
Component Description: Amount:	Primary Transmitter \$156,815.23
Component Description:	Transmitter, Mask Filter Saystem, Electrical, Installation &
Amount:	Proof \$34,580.28
Component Description:	Transmitter, Mask Filter Saystem, Electrical, Installation & Proof
Amount:	\$10,374.08
Component Description:	UAXTE-2-E
	Information not provided. Component Description: Amount: Component Description: Amount: Component Description: Amount: Component Description: Amount: Amount:

Channel	14	Mask	Filter

Information not provided.

Cost Information

Antennas

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-WB24	\$392,123.00	\$453,648.00		\$396,127.51	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$14,950.00	Dielectric Quote 981002 line 3	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$257,105.00	Dielectric quote 981002 includes mask filters due to adjacent channel combining.	\$231,394.51	N/A
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 350 kW input, directional,, horizontally polarized	\$175,193.00	\$175,193.00	quote attached	\$164,733.00	N/A

Primary Antenna TFU-28JSA /VP-R 3T180	\$204,250.00	\$202,260.00		\$167,671.00	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,440.00	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 555 kW input, directional,, elliptically or circularly polarized	\$169,110.00	\$169,110.00	Quote attached E- pol premium is deducted from quote	\$143,743.50	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$21,750.00	Quote attached	\$18,487.50	N/A
Sub-total	\$596,373.00	\$655,908.00	N/A	\$563,798.51	N/A
Total for all systems	\$5,087,990.00	\$4,142,997.27	N/A	\$2,736,373.09	N/A

Actual Information Description	File Name	
Sweep test of existing antenna	Information not provided.	
Combiner output splitting /switching for dual feed lines, if applicable	Information not provided.	
New combiner, cost per channel (without antenna)	Component Description: Amount:	Interim Antenna Combiner \$57,848.63
	Component Description: Amount:	Combiner \$115,697.25
	Component Description: Amount:	Interim Combiner \$57,848.63

UHF - High Power, Side Mount, basic slot antenna, **Component Description:** Antennas, elbow, 24 bay,, 350 kW input, EIA length, directional,, horizontally reducer, test polarized transition, on-site engineer \$43,798.25 Amount: **Component Description:** Antennas, Elbow, EIA Length, Reducer, Test Transition, Repack Sweep **Amount:** \$15,818.95 **Component Description:** Antennas, Elbow, EIA Length, Reducer, Test Transition, Repack Sweep Amount: \$17,519.30 **Component Description:** Interim Antenna Amount: \$87,596.50 Sweep test of existing antenna **Component Description:** Sweep Test Amount: \$1,600.00 **Component Description:** Sweep Test \$3,200.00 Amount: Sweep Test **Component Description:** \$640.00 Amount: Pattern scatter analysis for Information not provided. side mount high/med power antennas (if not included in antenna base cost)

UHF - High Power, Side Mount, basic slot antenna, Lower power side **Component Description:** 555 kW input, directional,, mount, side mount elliptically or circularly brackets, polarized \$84,555.00 Amount: **Component Description:** Side Mount, Side Mount Brackets. Elbow Complex, Rigid Transmission Line, Repack Sweep, Repack Vpol \$16,911.00 Amount: **Component Description:** Primary Antenna **Amount:** \$42,277.50 Side mount brackets for high power antennas (if not **Component Description:** Primary Antenna included in antenna base Side Mount cost) **Brackets** Amount: \$5,437.50 **Component Description:** Side Mount Bracket Amount: \$10,875.00 **Component Description:** Side Mount **Bracket** \$2,175.00 **Amount:**

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	\$174,000.00	\$118,311.80		\$106,480.62	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$174,000.00	\$118,311.80	Quote attached	\$106,480.62	N/A
Primary Transmission Line	\$410,060.00	\$243,426.40		\$210,439.61	
Rigid Transmission Line - copper, 6 1/8"	\$410,060.00	\$243,426.40	Quote attached (see main antenna quote)	\$210,439.61	N/A
Sub-total	\$584,060.00	\$361,738.20	N/A	\$316,920.23	N/A
Total for all systems	\$5,087,990.00	\$4,142,997.27	N/A	\$2,736,373.09	N/A

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8" broadband	Component Description: Amount:	transmission line, engineer on-site \$53,240.31
	Component Description: Amount:	Transmission line, field engineer \$53,240.31

Rigid Transmission Line - copper, 6 1/8"

Component Description: Primary

Transmission Line

Amount: \$60,856.60

Component Description: Primary

Transmission Line

Amount: \$121,713.20

Component Description: Primary

Transmission Line

Amount: \$24,342.64

Component Description: Measure TX line

Amount: \$3,527.17

Cost Information

Tower Equipment and Rigging Costs

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification		Actual Cost Justification
Auxiliary Tower GTOWER	\$428,220.00	\$77,339.00		\$0.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$5,750.00	Structural analysis Quote attached	N/A	N/A
Removal of dormant equip	\$33,420.00	\$33,420.00	Quote attached	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$20,000.00	additional cost estimate for installing interim 6" line (700'). Antenna install cost contained in main tower estimate	N/A	N/A

Minor tower reinforcement /modifications	\$158,000.00	\$18,169.00	Stainless quote (parts): \$10,169 quote attached. Labor to install estimate: \$8,000	N/A	N/A
Primary Tower TOWER	\$381,100.00	\$360,500.00		\$18,754.00	
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$18,754.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$10,500.00	N/A	N/A	N/A
Sub-total	\$809,320.00	\$437,839.00	N/A	\$18,754.00	N/A
Total for all systems	\$5,087,990.00	\$4,142,997.27	N/A	\$2,736,373.09	N/A

Actual Information Description	File Name
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.
Removal of dormant equip	Information not provided.
Tall Tower (greater than 500')	Information not provided.

Minor tower reinforcement /modifications	Information not provided.	
Minor tower reinforcement /modifications	Component Description: Amount:	Engineering - material only \$18,754.00
Tall Tower (greater than 500')	Information not provided.	
Structural engineering tower load study for well documented tower	Information not provided.	

Cost Information

Outside Professional Services

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$157,050.00	\$149,625.00		\$4,750.00	
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	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	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$2,375.00	Per invoices received	\$1,375.00	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,000.00	N/A
Project management of the transition	\$47,400.00	\$45,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$1,375.00	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	\$157,050.00	\$149,625.00	N/A	\$4,750.00	N/A
Total for all systems	\$5,087,990.00	\$4,142,997.27	N/A	\$2,736,373.09	N/A

Actual Information Description	File Name
Comprehensive coverage verification via field study, 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	Information not provided.	
Prepare request for Special Temporary Authorization	Component Description: Amount:	WDBD STA /Interim Application \$1,375.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Preparation of engineering section of FCC Form 2100 \$2,000.00
Project management of the transition	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	RF Consulting Engineering to determine correct mask filter to avoid interference \$5,000.00
	Component Description: Amount:	Engineering study work for new channel assignment and antenna development \$125.00
	Component Description:	Engineering study work for new channel assignment and antenna development
	Amount:	\$1,250.00

Prepare engineering section of FCC Form 2100 (main), License to Cover Application Information not provided.

Cost Information

Other Expenses

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co Justificati
Other Expenses	\$64,557.00	\$55,607.00		\$20,886.99	
DTV Medical Facility Notification	\$11,550.00	\$2,600.00	Group quote attached	\$2,600.00	N/A
Equipment Storage	\$30,500.00	\$30,500.00	Estimate for Dielectric on site antenna storage Dielectric letter attached	\$874.02	N/A
Equipment Shelter Repairs	\$6,500.00	\$6,500.00	Kain Masonery Contractors - Equipment shelter wall repairs	\$6,500.00	N/A
Security service	\$7,992.00	\$7,992.00	Armed security provided by vendor to the equipment shelter site	\$7,992.00	N/A
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	estimate	N/A	N/A
Equipment Delivery and Handling Charges	\$2,970.00	\$2,970.00	On site forklift rental estimate Representative quote attached	\$2,920.97	N/A
Develop and air announcement of upcoming channel change	\$2,850.00	\$2,850.00	estimate for on air rescan announcement production Quote attached	N/A	N/A

FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$195.00	fixed FCC filing fee	N/A	N/A
Sub-total	\$64,557.00	\$55,607.00	N/A	\$20,886.99	N/A
Total for all systems	\$5,087,990.00	\$4,142,997.27	N/A	\$2,736,373.09	N/A

Actual Information Description	File Name	
DTV Medical Facility Notification	Component Description:	Medical Notification mailing complete
	Amount:	per FCC Repack \$2,600.00
Equipment Storage		
	Component Description:	40' Standard Tri Cam Container
	Amount:	\$708.79
	Component Description:	Equipment Storage
	Amount:	\$165.23
Equipment Shelter Repairs		
	Component Description:	Equipment
		Shelter Repairs
	Amount:	\$6,500.00

Security service		
	Component Description:	Security
	Amount:	\$1,512.00
	Component Description:	Security
	Amount:	\$6,480.00
MVPD Notification of Channel Change	Information not provided.	
Equipment Delivery and		
Handling Charges	Component Description:	5000# Reach Lift
	Amount:	\$2,713.37
	Component Description:	5000# Reach lift
	Amount:	\$207.60
Develop and air	Information not provided.	
announcement of upcoming channel change		
FCC Filing Fees - Special	Information not provided.	
Temporary Authorization request		

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$5,087,990.00	\$4,142,997.27	\$2,736,373.09

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

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 abovenamed applicant for the Authorization(s) specified above. Robert Thurber VP Engineering

10/23/2018

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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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 abovenamed applicant for the Authorization(s) specified above. Robert Thurber VP, Engineering

10/23/2018

Attachments