



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **71326** | Service: **DTV** | Call **WDBD** | Channel: **14 (UHF)** |
ID: | Sign:
File **0000024800**
Number:
FRN: **0021937883** | Date **11/16**
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.com	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
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 and Type	Manufacturer	
	Model	TBA
	Year	2003
	Type	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 returned

**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

	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary Transmitter **Other Transmitter Cost Not Listed**
Information not provided.

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	DCX
	Year	2003
	Type	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
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

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

Interim Transmitter **Other Transmitter Cost Not Listed**
Information not provided.

Antennas

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

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	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 Manufacturer and Type	Class	Full Power
	Mounting	Side 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	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

**Primary
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	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

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	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

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

**Interim
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	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
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Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	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?	No
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
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?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	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

**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	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
Transmission
Line** **Other Transmission Line Expenses Not Listed**

Information not provided.

**Interim
Transmission
Line**

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	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
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

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 Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	32° 12' 49.9" N-
	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 Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	32° 12' 49.9" N-
	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

Date Constructed

08/02/1999

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

**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 Services Costs

Section	Question	Response
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

Other Professional Services Expenses Not Listed

**Outside
Professional
Services
Costs**

Information not provided.

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter ULXTE-60	\$1,267,980.50	\$1,214,995.18		\$975,313.81	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$987,584.68	Quote attached (per change order Q-76402)	\$975,313.81	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$0.00	included in electrical quote	N/A	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
Other Electrical Service: EMT conduit for distribution from switchgear to transmitters. Quote attached: WDBD WLOO Interim TRANSMITTERS	<i>\$92,080.50</i>	\$92,080.50	Please see attached quote from WDBD H&H Electrical - Interim Transmitter	N/A	N/A
Channel 14 -- Additional field engineering time, 1 days	<i>\$6,400.00</i>	\$6,400.00	N/A	N/A	N/A
UHF inside RF system including switching	\$147,500.00	\$93,930.00	Dielectric quote 981002 Line 1 attached	N/A	N/A

Primary Transmitter ULXTE-50	\$1,407,310.00	\$1,312,284.84		\$904,536.63	
Transmitter de-install	<i>\$33,420.00</i>	\$33,420.00	Quote attached Raycom - Clinton Quote WDBD	N/A	N/A
Channel 14 Mask Filter	\$189,500.00	\$0.00	included in main tx quote	N/A	N/A
RF Consulting Engineer	\$5,260.00	\$5,000.00	N/A	\$0.00	N/A
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/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
Other Electrical Service: EMT distribution to transmitters from switchgear. Quote attached: WDBD Permanent TRANSMITTERS	<i>\$157,130.00</i>	\$157,130.00	Please see attached quote from WDBD H&H Electrical - Primary Transmitter	\$120,460.50	N/A
Auxiliary Transmitter UAXTE-2	\$315,500.00	\$69,160.55		\$51,873.42	
Channel 14 Mask Filter	\$189,500.00	\$0.00	included in backup transmitter quote	N/A	N/A

UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$69,160.55	Quote attached	\$51,873.42	N/A
Sub-total	\$2,990,790.50	\$2,596,440.57	N/A	\$1,931,723.86	N/A
Total for all systems	\$5,202,150.50	\$4,269,644.17	N/A	\$2,967,227.75	N/A

Components

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

Transmitter de-install	Information not provided.
Channel 14 Mask Filter	Information not provided.
RF Consulting Engineer	<p>Component Description: RF consulting</p> <p>Amount: \$5,000.00</p>
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	<p>Component Description: ULXTE-50</p> <p>Amount: \$104,543.48</p> <p>Component Description: Primary Transmitter</p> <p>Amount: \$156,815.23</p> <p>Component Description: Primary Transmitter</p> <p>Amount: \$522,717.42</p>
Switchgear - industrial 800 amp	Information not provided.
Transformer 3 phase/480v - 300 KVA	Information not provided.

<p>Other Electrical Service: EMT distribution to transmitters from switchgear. Quote attached: WDBD Permanent TRANSMITTERS</p>	<p>Component Description: Construction Draw Amount: \$28,980.00</p>
	<p>Component Description: Final Draw on temporary transmitter site Amount: \$21,780.50</p>
	<p>Component Description: Construction Draw Amount: \$22,000.00</p>
	<p>Component Description: Construction Draw for electrical panels for the new transmitter building Amount: \$20,700.00</p>
	<p>Component Description: Draw for electrical installation on new transmitters Amount: \$27,000.00</p>
<p>Channel 14 Mask Filter</p>	<p>Information not provided.</p>

UHF - Air Cooled Solid
State Transmitter 1 - 2.5 kW

Component Description: Transmitter, Mask
Filter Saystem,
Electrical,
Installation &
Proof

Amount: \$10,374.08

Component Description: Transmitter, Mask
Filter Saystem,
Electrical,
Installation &
Proof

Amount: \$34,580.28

Component Description: UAXTE-2-E

Amount: \$6,919.06

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-WB24	\$392,123.00	\$453,648.00		\$396,127.51	
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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 350 kW input, directional,, horizontally polarized	<i>\$175,193.00</i>	\$175,193.00	quote attached	\$164,733.00	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

Primary Antenna TFU-28JSA /VP-R 3T180	\$204,250.00	\$202,260.00		\$167,671.00	
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
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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,440.00	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
Sub-total	\$596,373.00	\$655,908.00	N/A	\$563,798.51	N/A
Total for all systems	\$5,202,150.50	\$4,269,644.17	N/A	\$2,967,227.75	N/A

Components

Actual Information	
Description	File Name
Combiner output splitting /switching for dual feed lines, if applicable	Information not provided.
Sweep test of existing antenna	Information not provided.
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 350 kW input, directional,, horizontally polarized	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: Antennas, elbow, EIA length, reducer, test transition, on-site engineer Amount: \$43,798.25
	Component Description: Interim Antenna Amount: \$87,596.50

<p>New combiner, cost per channel (without antenna)</p>	<p>Component Description: Interim Antenna Combiner Amount: \$57,848.63</p> <p>Component Description: Combiner Amount: \$115,697.25</p> <p>Component Description: Interim Combiner Amount: \$57,848.63</p>
<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<p>Component Description: Primary Antenna - Side Mount Brackets Amount: \$5,437.50</p> <p>Component Description: Side Mount Bracket Amount: \$10,875.00</p> <p>Component Description: Side Mount Bracket Amount: \$2,175.00</p>

Sweep test of existing antenna	Component Description: Sweep Test Amount: \$1,600.00
	Component Description: Sweep Test Amount: \$3,200.00
	Component Description: Sweep Test Amount: \$640.00
UHF - High Power, Side Mount, basic slot antenna, 555 kW input, directional,, elliptically or circularly polarized	Component Description: Lower power side mount, side mount brackets, Amount: \$84,555.00
	Component Description: Primary Antenna Amount: \$42,277.50
	Component Description: Side Mount, Side Mount Brackets, Elbow Complex, Rigid Transmission Line, Repack Sweep, Repack Vpol Amount: \$16,911.00

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$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	\$5,202,150.50	\$4,269,644.17	N/A	\$2,967,227.75	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 6 1/8" broadband	Component Description:
	Amount:
	Component Description:
	Amount:

transmission line, engineer on-site
\$53,240.31

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: Measure TX line
Amount: \$3,527.17

Component Description: Primary
Transmission Line
Amount: \$24,342.64

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
Auxiliary Tower GTOWER	\$428,220.00	\$77,339.00		\$43,004.50	
Minor tower reinforcement /modifications	\$158,000.00	\$18,169.00	Stainless quote (parts): \$10,169 quote attached. Labor to install estimate: \$8,000	\$5,084.50	N/A
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	\$4,500.00	N/A
Removal of dormant equip	<i>\$33,420.00</i>	\$33,420.00	Quote attached	\$33,420.00	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
Primary Tower TOWER	\$381,100.00	\$372,986.40		\$72,970.90	
Structural engineering tower load study for well documented tower	\$12,600.00	\$22,986.40	per invoices received: FDH Infrastructure Services, LLC. E- 162623	\$22,986.40	Per invoices received
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$49,984.50	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
Sub-total	\$809,320.00	\$450,325.40	N/A	\$115,975.40	N/A
Total for all systems	\$5,202,150.50	\$4,269,644.17	N/A	\$2,967,227.75	N/A

Components

Actual Information	
Description	File Name
Minor tower reinforcement /modifications	<p>Component Description: Materials - C-clamps, center gussets, sub-horizontals with spacers</p> <p>Amount: \$5,084.50</p>

<p>Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study</p>	<p>Component Description: WDBD-450-Existing Auxiliary Tower - Tower Mapping Undocumented /Poorly Documented Tower</p> <p>Amount: \$4,500.00</p>
<p>Removal of dormant equip</p>	<p>Component Description: Service Call - hardline & microwave</p> <p>Amount: \$33,420.00</p>
<p>Tall Tower (greater than 500')</p>	<p>Information not provided.</p>

Structural engineering
tower load study for well
documented tower

Component Description: STNLSA STNL
Structural Analysis
Amount: \$2,875.00

Component Description: STNLSA STNL
Structural Analysis
Amount: \$5,084.50

Component Description: STNLSA STNL
Structural Analysis
Amount: \$2,875.00

Component Description: Inspection and
mapping services
Amount: \$6,651.90

Component Description: Engineering -
structural analysis
Amount: \$2,750.00

Component Description: engineering -
structural analysis
Amount: \$2,750.00

Minor tower reinforcement /modifications	<p>Component Description: Engineering - material only</p> <p>Amount: \$18,754.00</p>
	<p>Component Description: Engineering - material only</p> <p>Amount: \$18,754.00</p>
	<p>Component Description: Modification Material Transmission line support material</p> <p>Amount: \$9,452.00</p>
	<p>Component Description: Temporary Frame</p> <p>Amount: \$3,024.50</p>
Tall Tower (greater than 500')	Information not provided.

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$157,050.00	\$149,625.00		\$10,726.33	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,285.46	N/A
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	\$703.73	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	\$567.19	N/A

Prepare request for Special Temporary Authorization	\$2,050.00	\$2,375.00	Per invoices received	\$2,375.00	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
Project management of the transition	\$47,400.00	\$45,000.00	N/A	\$3,419.95	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
Sub-total	\$157,050.00	\$149,625.00	N/A	\$10,726.33	N/A
Total for all systems	\$5,202,150.50	\$4,269,644.17	N/A	\$2,967,227.75	N/A

Components

Actual Information	
Description	File Name
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Professional legal services
	Amount: \$285.46
	Component Description: Preparation of engineering section of FCC Form 2100
	Amount: \$2,000.00

Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	<p>Component Description: WDBD-550-Attorney - Special Temporary Authorization</p> <p>Amount: \$703.73</p>
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	<p>Component Description: Professional Services Rendered</p> <p>Amount: \$567.19</p>
Prepare request for Special Temporary Authorization	<p>Component Description: WDBD STA /Interim Application</p> <p>Amount: \$1,375.00</p> <p>Component Description: STA modification /interim application</p> <p>Amount: \$1,000.00</p>
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Project management of the transition	<p>Component Description: Project Management</p> <p>Amount: \$3,419.95</p>

Perform engineering study
for new channel assignment
and antenna development

Component Description:

RF Consulting
Engineering to
determine correct
mask filter to avoid
interference

Amount:

\$5,000.00

Component Description:

Engineering study
work for new
channel
assignment and
antenna
development

Amount:

\$1,250.00

Component Description:

Engineering study
work for new
channel
assignment and
antenna
development

Amount:

\$125.00

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$64,557.00	\$55,607.00		\$28,083.42	
Equipment Storage	<i>\$30,500.00</i>	\$30,500.00	Estimate for Dielectric on site antenna storage Dielectric letter attached	\$1,062.41	N/A
Security service	<i>\$7,992.00</i>	\$7,992.00	Armed security provided by vendor to the equipment shelter site	\$12,852.00	per invoices recieved
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$195.00	fixed FCC filing fee	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$2,970.00</i>	\$2,970.00	On site forklift rental estimate Representative quote attached	\$5,069.01	per invoices received
Develop and air announcement of upcoming channel change	<i>\$2,850.00</i>	\$2,850.00	estimate for on air rescan announcement production Quote attached	N/A	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	estimate	N/A	N/A

Equipment Shelter Repairs	<i>\$6,500.00</i>	\$6,500.00	Kain Masonry Contractors - Equipment shelter wall repairs	\$6,500.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,600.00	Group quote attached	\$2,600.00	N/A
Sub-total	\$64,557.00	\$55,607.00	N/A	\$28,083.42	N/A
Total for all systems	\$5,202,150.50	\$4,269,644.17	N/A	\$2,967,227.75	N/A

Components

Actual Information	
Description	File Name
Equipment Storage	Component Description: 40' Standard Tri Cam Container
	Amount: \$188.39
	Component Description: 40' Standard Tri Cam Container
	Amount: \$708.79
	Component Description: Equipment Storage
	Amount: \$165.23

Security service	<p>Component Description: 1 Armed Guard Amount: \$4,860.00</p> <p>Component Description: Security Amount: \$1,512.00</p> <p>Component Description: Security Amount: \$6,480.00</p>
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Equipment Delivery and Handling Charges	<p>Component Description: 5000# Reach Lift Amount: \$2,713.37</p> <p>Component Description: 5000# Reach Lift Amount: \$2,148.04</p> <p>Component Description: 5000# Reach lift Amount: \$207.60</p>
Develop and air announcement of upcoming channel change	Information not provided.
MVPD Notification of Channel Change	Information not provided.
Equipment Shelter Repairs	<p>Component Description: Equipment Shelter Repairs Amount: \$6,500.00</p>

DTV Medical Facility
Notification

Component Description:

Medical
Notification
mailing complete
per FCC Repack

Amount:

\$2,600.00

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$5,202,150.50	\$4,269,644.17	\$2,967,227.75

Reimbursement Status

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

Certification	Section	Question	Response
	<p>Submission of Estimated Expenses Statements</p>	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

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
Thurber**
*VP,
Engineering*

11/16/2018

Certification	Section	Question	Response
	<p>Submission of Actual Cost Documentation Statements</p>	<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"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**Robert
Thurber**
*VP,
Engineering*

11/16/2018

Attachments