



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **25455** | Service: **DTV** | Call **WJZ-TV** | Channel:  
ID: | Sign:  
**11 (High VHF)** | File **0000027143**  
Number:  
FRN: **0021079769** | Date **06/04**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>CBS TELEVISION LICENSES LLC</b> Doing Business As: CBS TELEVISION LICENSES LLC	Daniel G. Ryson 1725 DeSales St. NW Suite 501 Washington, DC 20036 United States	+1 (202) 457-4074	dryson@cbs.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
<b>Daniel G. Ryson</b> <i>Director of Spectrum Management</i> CBS	Daniel G. Ryson 1725 DeSales Street NW Suite 501 Washington, DC 20036 United States	+1 (202) 457-4074	dryson@cbs.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.	Yes
Briefly describe transition plan	Please see attached statement.

**Transmitters**

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

**Auxiliary  
Transmitter****Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Alternate Main
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Platinum PTCD20P2i
	Year	2009
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	8.0 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?	Yes
	Manufacturer	
	Model	VAXTE-12
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	9.6 kW
	Justification for New Transmitter	GatesAir /Harris has stipulated that it cannot and will not attempt to retune any Platinum Series transmitters. Non- Upgraded transmitter is VAXTE-8 (Attachment 20A). Proposed transmitter is VAXTE- 12 (Attachment 22A).

**Auxiliary  
Transmitter****Other Transmitter Costs**

Section	Question	Response
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<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	70.0 feet
	Other Electrical Service	No
	Description	N/A
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

**Auxiliary Transmitter**      **Other Transmitter Cost Not Listed**

Name	Description
<b>State Sales Tax</b>	6% Maryland State Sales Tax on Transmitter Hardware and Shipping
<b>Transmitter Shipping</b>	Transmitter Shipping

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Platinum PTCD20P2i
	Year	2009
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	8.0 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	VAXTE-12
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	9.6 kW
	Justification for New Transmitter	GatesAir /Harris has stipulated that it cannot and will not attempt to retune any Platinum Series transmitters. Non- Upgraded transmitter is VAXTE-8 (Attachment 2B). Proposed transmitter is VAXTE-12 (Attachment 21A).

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
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<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	70.0 feet
	Other Electrical Service	No
	Description	N/A
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

**Primary Transmitter**      **Other Transmitter Cost Not Listed**

Name	Description
<b>Advanced Site Survey</b>	Site survey will determine actual site conditions and determine the materials and components required for system installation /integration of the customers site with the GatesAir Equipment. Please see Attachment 29.

<b>Transmitter Shipping</b>	Transmitter Shipping
<b>State Sales Tax</b>	6% Maryland State Sales Tax on Transmitter Hardware and Shipping

**Antennas**

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

**Auxiliary  
Antenna****Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Backup Antenna
	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?	No
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Middle
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	4.5 kW

Manufacturer	
Model	TW-9B13R
Year	1999

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## Auxiliary Antenna

### New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Backup Antenna
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	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?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	4
	Lower Limit	167.00 MHz
	Upper Limit	213.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	7.5 kW
	Manufacturer	

Model	TLS-V4BB
Year	2018
Justification for New Antenna	The existing Aux antenna is CH 13 specific and part of a stack that must be removed to install WMAR's new CH 27 antenna

## Auxiliary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	3 1/8 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes

<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

## Auxiliary Antenna

### Other Antenna Cost Not Listed

Information not provided.

## Primary Antenna

### Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	33.8 kW

Manufacturer	
Model	THV-9A13 /VP-R C150SP
Year	2009

Primary  
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Circular
	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) .....	30.0 kW
	Manufacturer	

Model	THV- 9A11 /VP-R O4
Year	2018
Justification for New Antenna	Please see attached statement and Attachment 23.

## Primary Antenna

### Other Antenna Costs

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

Primary Antenna	Other Antenna Cost Not Listed
	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	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1198 feet per run

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

<b>Transmission Line Name</b>	<b>Description</b>
<b>Additional Rigid Line</b>	50 Feet of 6 1/8-Inch Rigid Line

**Auxiliary**      **Existing Transmission Line**

<b>Transmission Line Section</b>	<b>Question</b>	<b>Response</b>
<b>Existing Transmission Line Description</b>	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	When main not available
	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
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	Dielectric
	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	1176 feet per run

Auxiliary  
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Additional Rigid Line	50 Feet of 3 1/8-Inch Rigid Line

**Tower  
Equipment  
And  
Rigging  
Costs**

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

**Primary  
Tower**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	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?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1035558
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	39° 20' 05.0" N-
	Longitude (NAD83)	076° 39' 02.0" W-
	Overall Structure Height	997.36 feet
	Support Structure Height	889.10 feet
	Ground Elevation Above Mean Sea Level (AMSL)	318.24 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	Television Tower Inc
Date Constructed	08/26/1964

**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
74196	WWMX	FM
65693	WIYY	FM
65696	WBAL-TV	DTV
28637	WLIF	FM
1916	WJZ-FM	FM
59442	WMAR-TV	DTV

**Primary  
Tower**

**Tower Modification Costs**

Section	Question	Response
<b>Engineering Study</b>	Please what type of engineering study is required, if any:	Study needed for tower with candelabra
<b>Tower Reinforcements</b>	Please select whether tower reinforcements are needed:	Minor Reinforcements needed

**Primary  
Tower**

**Tower Rigging Costs**

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra
Helicopter Services Required	Are helicopter services required?	Yes

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Name	Description
Antenna Pedestal and Mount	Main Antenna Pedestal and Interim Antenna Mount (see Attachment 9).
Candelabra Mapping	Field mapping of candelabra to be used in Structural Analysis.

**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	250
	Explanation	Lack of in-house resources.
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare and file Form FCC License to Cover Application	No
	For Auxiliary Facility	N/A

	For Main Facility	N/A
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	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	Yes
	Prepare or Review FCC Form 399 for Reimbursement	No
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

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

Services provided.

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
<b>Permit and Filing Costs</b>	Local Zoning	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	No
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	No
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	No
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other  
Expenses**

**Other Expenses Not Listed**

Name	Description
<b>Additional Security Guard</b>	Part of WJZ-TV Safety Plan. Control Access to Tower Zone of Influence during Gin Pole Lift. Please see Attachments 50 and 53.
<b>All Terrain Vehicle</b>	Part of WJZ-TV Safety Plan. ATV to transport employees to pick-up points when access roadway must be closed. Please see Attachments 46A and 53.
<b>All Terrain Vehicle Sales Tax</b>	Part of WJZ-TV Safety Plan. State sales tax. Please see Attachment 53A.
<b>Construct Pathway 1 and Stairs</b>	Part of WJZ-TV Safety Plan. Construct Pathway 1 and stairs for use when access roadway is closed. Please see Attachments 47A and 53A.
<b>Construct Pathway 2 and Fence</b>	Part of WJZ-TV Safety Plan. Construct Pathway 2 for use when access roadway is closed. Please see Attachments 49A and 53A.
<b>Electrical - Power to Gate at Hilltop</b>	Install electrical power to operate new security gate at the top of the hill. Please see Attachments 80 and 53A.
<b>Electrical - Relocate Van Outlets</b>	Relocate necessary electrical outlets for news vehicles. Please see Attachments 81 and 53A.
<b>Electrical - Security Trailer</b>	Part of WJZ-TV Safety Plan. Provide electrical to support lights at access roadway scaffolding and power phone to security trailer. Please see Attachments 44A and 53A.
<b>Fork Lift Rental</b>	Fork Lift Rental. Required to relocate large equipment shipments.
<b>Install Gate at Pathway 1</b>	Part of WJZ-TV Safety Plan. Install security gate in fencing for secure access via Pathway 1. Please see Attachments 52 and 53A.
<b>Offsite Parking</b>	Part of WJZ-TV Safety Plan. Provide offsite parking spaces during Gin Pole Lift. Please see Attachment 53A.

<b>Paving New Parking Spaces</b>	Part of WJZ-TV Safety Plan. Pave new parking spaces for station vehicles when parking lots near tower are closed. Please see Attachments 48 and 53A.
<b>Protective Scaffolding</b>	Part of WJZ-TV Safety Plan. Install temporary protective scaffolding over access roadway and Pathway 2 at locations near the tower. Please see Attachments 41 and 53A.
<b>Relocate Storage Container</b>	Relocate Storage Container. Please see Attachments 73 and 53A.
<b>Rental Security Trailer</b>	Part of WJZ-TV Safety Plan. Security trailer to support the control of access to roadway, accept deliveries, etc. Please see Attachments 42 and 53A.
<b>Shuttle Bus Service</b>	Part of WJZ-TV Safety Plan. Provide transportation to off-site parking when owned parking lots are closed. Please see Attachments 45 and 53A.
<b>Top Beacon</b>	Top Beacon. To be located atop primary antenna. Required since helicopter lift gives insufficient time to remove and rewire the old beacon. Please see Attachments 59 and 93.
<b>Traffic Coord - Scaffold Install</b>	Traffic Coordinator during scaffolding installation. Please see Attachments 76 and 53A
<b>Remove Reinstall Light Pole</b>	Remove and Reinstall Light Pole from WJZ-TV Parking Lot and Helicopter Landing Zone

## Cost Information

### Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Primary Transmitter VAXTE-12</b>	<b>\$365,290.28</b>	<b>\$291,079.93</b>		<b>\$218,770.59</b>	
Advanced Site Survey	<b>\$15,992.22</b>	\$15,992.22	Per Quote from GatesAir. Please see Attachment 29.	\$15,992.22	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$1,820.00	\$3,000.00	Please see attached statement.	N/A	N/A
High VHF - Air Cooled Solid State Transmitter 6.5 . 12.5 kW	\$331,500.00	\$256,109.65	Please see Attachment 2B (\$216,572.94). Includes costs for installation and old transmitter disconnection. Shipping and Sales Tax Listed Separately. Cost increased (\$39,536.71) due to Change Order Attachment 105.	\$191,300.31	N/A
Transmitter Shipping	<b>\$4,500.00</b>	\$4,500.00	Estimated Transmitter Shipping	N/A	N/A

State Sales Tax	<b>\$11,478.06</b>	\$11,478.06	6% Sales Tax on Attachment 2B Items A-D and estimated transmitter shipping. slightly reduced June 2019 following changes recommended during GatesAir Site Survey.	\$11,478.06	N/A
<b>Auxiliary Transmitter VAXTE-12</b>	<b>\$347,881.93</b>	<b>\$250,426.65</b>		<b>\$177,760.42</b>	
2" Rigid Conduit and Wiring (Cost per foot)	\$1,820.00	\$3,000.00	Please see attached statement.	N/A	N/A
High VHF - Air Cooled Solid State Transmitter 6.5 . 12.5 kW	\$331,500.00	\$232,864.72	Please see Attachment 20A (\$192,971.12). Includes costs for installation and old transmitter disconnection. Shipping and Sales Tax Listed Separately. Cost increased 5 /20 due to Change Order Q-87133 (Attachment 106).	\$167,698.49	N/A
Transmitter Shipping	<b>\$4,500.00</b>	\$4,500.00	Estimated Transmitter Shipping	N/A	N/A

State Sales Tax	<b>\$10,061.93</b>	\$10,061.93	6% Sales Tax on Attachment 20A Items A-D and estimated transmitter shipping. Tax slightly reduced June 2019 following changes recommended during GatesAir Site Survey.	\$10,061.93	N/A
<b>Sub-total</b>	\$713,172.21	\$541,506.58	N/A	\$396,531.01	N/A
<b>Total for all systems</b>	\$2,323,458.49	\$3,245,444.06	N/A	\$1,608,604.59	N/A

## Components

Actual Information	
Description	File Name
Advanced Site Survey	<p><b>Component Description:</b> Transmitter Site Survey. See quote provided in Attachment 29.</p> <p><b>Amount:</b> \$15,992.22</p>
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

High VHF - Air Cooled Solid State Transmitter 6.5 . 12.5 kW	<div> <div>Component Description:</div> <div> Primary  Transmitter Down  Payment. Also  Includes RF  Accessories,  Electrical,  Installation, and  Removal. Seeking  reimbursement  cost for non-  upgraded VAXTE-8  Transmitter not  upgraded VAXTE-  12 Transmitter.  Both shown in  Attachment 24B. </div> </div> <div> <div>Amount:</div> <div>\$72,822.35</div> </div>
	<div> <div>Component Description:</div> <div> Please see quotes  and statement in  Attachment 65A. </div> </div> <div> <div>Amount:</div> <div>\$46,286.98</div> </div>
	<div> <div>Component Description:</div> <div> Primary  Transmitter  Progress Payment.  Includes RF  Accessories,  Electrical,  Installation, and  Removal. Seeking  reimbursement  cost for non-  upgraded VAXTE-8  Transmitter not  upgraded VAXTE-  12 Transmitter.  Both shown in  Attachment 55. </div> </div> <div> <div>Amount:</div> <div>\$72,190.98</div> </div>
Transmitter Shipping	Information not provided.

State Sales Tax	<div> <div> <b>Component Description:</b> </div> <div> Please see Attachment 65A. </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$11,478.06 </div> </div>
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

<p>High VHF - Air Cooled Solid State Transmitter 6.5 . 12.5 kW</p>	<table> <tr> <td data-bbox="708 98 1107 761"> <p><b>Component Description:</b></p> </td><td data-bbox="1107 98 1426 761"> <p>Interim Transmitter Down Payment. Also Includes RF Accessories, Electrical, Installation, and Removal. Seeking reimbursement cost for non- upgraded VAXTE-8 Transmitter not upgraded VAXTE- 12 Transmitter. Both shown in Attachment 25A.</p> </td></tr> <tr> <td data-bbox="708 761 1107 873"> <p><b>Amount:</b></p> </td><td data-bbox="1107 761 1426 873"> <p>\$64,894.60</p> </td></tr> <tr> <td data-bbox="708 873 1107 1097"> <p><b>Component Description:</b></p> </td><td data-bbox="1107 873 1426 1097"> <p>Please see Attachment 66A for quotes and Statement.</p> </td></tr> <tr> <td data-bbox="708 1097 1107 1209"> <p><b>Amount:</b></p> </td><td data-bbox="1107 1097 1426 1209"> <p>\$38,480.18</p> </td></tr> <tr> <td data-bbox="708 1209 1107 1899"> <p><b>Component Description:</b></p> </td><td data-bbox="1107 1209 1426 1899"> <p>Interim Transmitter Down Payment. Also Includes RF Accessories, Electrical, Installation, and Removal. Seeking reimbursement cost for non- upgraded VAXTE-8 Transmitter not upgraded VAXTE- 12 Transmitter. Both shown in Attachment 56.</p> </td></tr> <tr> <td data-bbox="708 1899 1107 1968"> <p><b>Amount:</b></p> </td><td data-bbox="1107 1899 1426 1968"> <p>\$64,323.71</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Interim Transmitter Down Payment. Also Includes RF Accessories, Electrical, Installation, and Removal. Seeking reimbursement cost for non- upgraded VAXTE-8 Transmitter not upgraded VAXTE- 12 Transmitter. Both shown in Attachment 25A.</p>	<p><b>Amount:</b></p>	<p>\$64,894.60</p>	<p><b>Component Description:</b></p>	<p>Please see Attachment 66A for quotes and Statement.</p>	<p><b>Amount:</b></p>	<p>\$38,480.18</p>	<p><b>Component Description:</b></p>	<p>Interim Transmitter Down Payment. Also Includes RF Accessories, Electrical, Installation, and Removal. Seeking reimbursement cost for non- upgraded VAXTE-8 Transmitter not upgraded VAXTE- 12 Transmitter. Both shown in Attachment 56.</p>	<p><b>Amount:</b></p>	<p>\$64,323.71</p>
<p><b>Component Description:</b></p>	<p>Interim Transmitter Down Payment. Also Includes RF Accessories, Electrical, Installation, and Removal. Seeking reimbursement cost for non- upgraded VAXTE-8 Transmitter not upgraded VAXTE- 12 Transmitter. Both shown in Attachment 25A.</p>												
<p><b>Amount:</b></p>	<p>\$64,894.60</p>												
<p><b>Component Description:</b></p>	<p>Please see Attachment 66A for quotes and Statement.</p>												
<p><b>Amount:</b></p>	<p>\$38,480.18</p>												
<p><b>Component Description:</b></p>	<p>Interim Transmitter Down Payment. Also Includes RF Accessories, Electrical, Installation, and Removal. Seeking reimbursement cost for non- upgraded VAXTE-8 Transmitter not upgraded VAXTE- 12 Transmitter. Both shown in Attachment 56.</p>												
<p><b>Amount:</b></p>	<p>\$64,323.71</p>												
<p>Transmitter Shipping</p>	<p>Information not provided.</p>												

State Sales Tax	<table><tr><td data-bbox="710 174 1013 212"><b>Component Description:</b></td><td data-bbox="1150 174 1374 331">Please see Attachment 66A for quotes and Statement.</td></tr><tr><td data-bbox="710 338 815 376"><b>Amount:</b></td><td data-bbox="1150 338 1281 376">\$10,061.93</td></tr></table>	<b>Component Description:</b>	Please see Attachment 66A for quotes and Statement.	<b>Amount:</b>	\$10,061.93
<b>Component Description:</b>	Please see Attachment 66A for quotes and Statement.				
<b>Amount:</b>	\$10,061.93				

## Cost Information

### Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Primary Antenna THV- 9A11 /VP-R 04</b>	<b>\$347,758.00</b>	<b>\$347,428.00</b>		<b>\$335,874.00</b>	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
High VHF - High Power Top Mount One Station elliptically or circularly polarized	<i>\$341,028.00</i>	\$341,028.00	See Attachment 23. 3/21 /2019 Note: Sweep Test listed separately so deducted from cost shown here.	\$330,114.00	N/A
<b>Auxiliary Antenna TLS-V4BB</b>	<b>\$98,750.00</b>	<b>\$96,810.00</b>		<b>\$54,650.52</b>	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A

Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	\$9,340.00	\$8,880.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
High VHF - High Power Side Mount One Station elliptically or circularly polarized	<b>\$59,530.00</b>	\$59,530.00	N/A	\$54,650.52	N/A
<b>Sub-total</b>	\$446,508.00	\$444,238.00	N/A	\$390,524.52	N/A
<b>Total for all systems</b>	\$2,323,458.49	\$3,245,444.06	N/A	\$1,608,604.59	N/A

## Components

Actual Information	
Description	File Name
Sweep test of existing antenna	
	<b>Component Description:</b> Progress Payment for Sweep Test. See Attachment 54 for quote.
	<b>Amount:</b> \$2,880.00
	<b>Component Description:</b> Down Payment for Sweep Test. See Attachment 23 for quote.
	<b>Amount:</b> \$2,880.00

<p>High VHF - High Power Top Mount One Station elliptically or circularly polarized</p>	<p><b>Component Description:</b> Down Payment for Primary Antenna, Elbows, Line. See Attachment 23 for quote.</p> <p><b>Amount:</b> \$153,462.60</p>
	<p><b>Component Description:</b> This is the invoice for the primary antenna elbow complex and feed-through. Please see statement and spreadsheet in Attachment 68C.</p> <p><b>Amount:</b> \$23,188.80</p>
	<p><b>Component Description:</b> Progress Payment for Primary Antenna, Elbows, Line. Excludes Sweep Test. See Attachment 54 for quote.</p> <p><b>Amount:</b> \$153,462.60</p>
	<p><b>Component Description:</b> This is the final Invoice for the primary antenna. See Statement in Attachment 64. We are seeking only 10% now since 90% has already been reimbursed.</p> <p><b>Amount:</b> \$30,259.00</p>
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>

Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.								
Sweep test of existing antenna	Information not provided.								
High VHF - High Power Side Mount One Station elliptically or circularly polarized	<table> <tr> <td><b>Component Description:</b></td><td>Interim Antenna 45% payment prior to shipment.</td></tr> <tr> <td><b>Amount:</b></td><td>\$27,325.26</td></tr> <tr> <td><b>Component Description:</b></td><td>Interim Antenna - 45% Down payment</td></tr> <tr> <td><b>Amount:</b></td><td>\$27,325.26</td></tr> </table>	<b>Component Description:</b>	Interim Antenna 45% payment prior to shipment.	<b>Amount:</b>	\$27,325.26	<b>Component Description:</b>	Interim Antenna - 45% Down payment	<b>Amount:</b>	\$27,325.26
<b>Component Description:</b>	Interim Antenna 45% payment prior to shipment.								
<b>Amount:</b>	\$27,325.26								
<b>Component Description:</b>	Interim Antenna - 45% Down payment								
<b>Amount:</b>	\$27,325.26								

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
Primary Transmission Line	\$11,050.00	\$11,050.00		\$0.00	
Additional Rigid Line	<i>\$11,050.00</i>	\$11,050.00	N/A	N/A	N/A
Auxiliary Transmission Line	\$5,700.00	\$5,700.00		\$0.00	
Additional Rigid Line	<i>\$5,700.00</i>	\$5,700.00	N/A	N/A	N/A
Sub-total	\$16,750.00	\$16,750.00	N/A	\$0.00	N/A
Total for all systems	\$2,323,458.49	\$3,245,444.06	N/A	\$1,608,604.59	N/A

Components

Information not provided.

**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
<b>Primary Tower GTOWER</b>	<b>\$678,700.00</b>	<b>\$1,777,845.61</b>		<b>\$642,613.61</b>	
Minor tower reinforcement /modifications	\$158,000.00	\$50,000.00	1/3 of Widely Cost Catalog estimate, WJZ-TV's pro-rata amount after sharing expenses with two other repacking DTV stations.	\$31,800.00	N/A
Candelabra Mapping	<i>\$2,000.00</i>	\$2,000.00	Please see Attachment 6. This is the WJZ-TV pro-rata anticipated cost after costs are shared with two other repacking DTV stations.	\$2,000.00	N/A

Antenna Pedestal and Mount	<b>\$77,700.00</b>	\$77,700.00	Main antenna pedestal (required to maintain overall FAA /FCC tower height) and auxiliary antenna mount. See Attachment 9.	N/A	N/A
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$25,067.00	Estimated cost includes WJZ-TV's pro rata share shown in Attachments 7, 26, 37, 38, 39, and 94.	\$24,600.00	Changes to primary antenna pedestal heights and auxiliary (interim) antenna mounting configuration required additional analysis and reinforcement designs.
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$1,623,078.61	Please Attachment 107 for a statement and quotation.	\$584,213.61	N/A
<b>Sub-total</b>	\$678,700.00	\$1,777,845.61	N/A	\$642,613.61	N/A
<b>Total for all systems</b>	\$2,323,458.49	\$3,245,444.06	N/A	\$1,608,604.59	N/A

## Components

Actual Information	
Description	File Name

Minor tower reinforcement /modifications	<p><b>Component Description:</b> WJZ-TV pro rata cost for tower reinforcement. Please see Attachment 103 for proposal.</p> <p><b>Amount:</b> \$31,800.00</p>
Candelabra Mapping	<p><b>Component Description:</b> Structural Mapping of WJZ-TV Primary tower. This invoice reflects only the WJZ-TV portion. Other tower tenants were billed separately.</p> <p><b>Amount:</b> \$2,000.00</p>
Antenna Pedestal and Mount	Information not provided.
Structural engineering tower load study for a documented tower with candelabra	<p><b>Component Description:</b> Update structural design to incorporate revised pedestal heights. This is WBZ-TV's cost only. Other stations billed separately.</p> <p><b>Amount:</b> \$2,000.00</p> <p><b>Component Description:</b> Structural Study - Evaluates Existing (Pretransition) Antennas Plus New Auxiliary /Interim Antennas. Cost is WJZ-TV's Portion Only.</p> <p><b>Amount:</b> \$1,200.00</p>

<b>Component Description:</b>	Pro rata cost for further structural analysis and report. Please see Attachments 94 and 95.
<b>Amount:</b>	\$1,500.00

<b>Component Description:</b>	Structural Analysis of WJZ-TV Primary tower. This invoice reflects only the WJZ-TV portion. Other tower tenants were billed separately.
<b>Amount:</b>	\$4,000.00

<b>Component Description:</b>	Design Aux Antenna Mounts and Structural Modifications. See Attachment 7 for quote. This invoice (along with Attachment 32) reflects only the WJZ-TV portion. Other tower tenants were billed separately.
<b>Amount:</b>	\$9,200.00

	<table> <tr> <td data-bbox="708 91 1114 577"> <p><b>Component Description:</b></p> </td><td data-bbox="1114 91 1426 577"> <p>Tower structural reanalysis following change in antenna specifications. This cost is 100% attributable to WJZ-TV and not shared with other stations. See also Attachment 26.</p> </td></tr> <tr> <td data-bbox="708 577 1114 712"> <p><b>Amount:</b></p> </td><td data-bbox="1114 577 1426 712"> <p>\$3,700.00</p> </td></tr> <tr> <td data-bbox="708 712 1114 1025"> <p><b>Component Description:</b></p> </td><td data-bbox="1114 712 1426 1025"> <p>Structural Analysis of Final Loading Scenario. See quote Attachment 39.</p> </td></tr> <tr> <td data-bbox="708 1025 1114 1115"> <p><b>Amount:</b></p> </td><td data-bbox="1114 1025 1426 1115"> <p>\$3,000.00</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Tower structural reanalysis following change in antenna specifications. This cost is 100% attributable to WJZ-TV and not shared with other stations. See also Attachment 26.</p>	<p><b>Amount:</b></p>	<p>\$3,700.00</p>	<p><b>Component Description:</b></p>	<p>Structural Analysis of Final Loading Scenario. See quote Attachment 39.</p>	<p><b>Amount:</b></p>	<p>\$3,000.00</p>
<p><b>Component Description:</b></p>	<p>Tower structural reanalysis following change in antenna specifications. This cost is 100% attributable to WJZ-TV and not shared with other stations. See also Attachment 26.</p>								
<p><b>Amount:</b></p>	<p>\$3,700.00</p>								
<p><b>Component Description:</b></p>	<p>Structural Analysis of Final Loading Scenario. See quote Attachment 39.</p>								
<p><b>Amount:</b></p>	<p>\$3,000.00</p>								
<p>Complex Tower (includes, for example, those with candelabras and/or stacked antennas)</p>	<table> <tr> <td data-bbox="708 1025 1114 1451"> <p><b>Component Description:</b></p> </td><td data-bbox="1114 1025 1426 1451"> <p>Down payment for Aux/Interim Antenna Installation. See Quote and Invoice in Attachment 28A.</p> </td></tr> <tr> <td data-bbox="708 1451 1114 1585"> <p><b>Amount:</b></p> </td><td data-bbox="1114 1451 1426 1585"> <p>\$39,851.00</p> </td></tr> <tr> <td data-bbox="708 1585 1114 1966"> <p><b>Component Description:</b></p> </td><td data-bbox="1114 1585 1426 1966"> <p>Participate in rigging logistics land use agreement review, permitting analysis, and aerial lift support. This amount is WJZ-TV's expense. Other stations were billed separately.</p> </td></tr> <tr> <td data-bbox="708 1966 1114 2134"> <p><b>Amount:</b></p> </td><td data-bbox="1114 1966 1426 2134"> <p>\$300.00</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Down payment for Aux/Interim Antenna Installation. See Quote and Invoice in Attachment 28A.</p>	<p><b>Amount:</b></p>	<p>\$39,851.00</p>	<p><b>Component Description:</b></p>	<p>Participate in rigging logistics land use agreement review, permitting analysis, and aerial lift support. This amount is WJZ-TV's expense. Other stations were billed separately.</p>	<p><b>Amount:</b></p>	<p>\$300.00</p>
<p><b>Component Description:</b></p>	<p>Down payment for Aux/Interim Antenna Installation. See Quote and Invoice in Attachment 28A.</p>								
<p><b>Amount:</b></p>	<p>\$39,851.00</p>								
<p><b>Component Description:</b></p>	<p>Participate in rigging logistics land use agreement review, permitting analysis, and aerial lift support. This amount is WJZ-TV's expense. Other stations were billed separately.</p>								
<p><b>Amount:</b></p>	<p>\$300.00</p>								

<b>Component Description:</b>	Participate in rigging logistics land use agreement review, permitting analysis, and aerial lift support. This amount is WJZ-TV's expense. Other stations were billed separately.
<b>Amount:</b>	\$1,000.00

<b>Component Description:</b>	Travel Expenses - Rigging Logistics Meeting. This amount is WJZ-TV's expense. Other stations were billed separately.
<b>Amount:</b>	\$220.90

<b>Component Description:</b>	Please see quote and statement in Attachment 107.
<b>Amount:</b>	\$495,000.00

<b>Component Description:</b>	Down payment for primary antenna replacement. See quote provided as Attachment 62.
<b>Amount:</b>	\$45,587.00

<b>Component Description:</b>	Travel and on-site meetings to review aerial lift. Costs reflect WWJ-TV pro rata 1/3 share since costs shared with WBAL-TV and WMAR-TV.
<b>Amount:</b>	\$1,954.71

<b>Component Description:</b>	Review Loyola Land Use Agreement, permitting analysis, aerial lift support, project conference calls.
<b>Amount:</b>	\$300.00

<b>Component Description:</b>	This Cost has been moved to the Professional Services category.
<b>Amount:</b>	N/A

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## Cost Information

### Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Outside Professional Services</b>	<b>\$62,120.00</b>	<b>\$63,745.59</b>		<b>\$15,320.59</b>	
Project management of the transition	\$39,500.00	\$37,500.00	N/A	\$1,500.00	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$10,745.59	Actual pro rata cost for negotiations with Loyola University for use of sports complex parking lot as helicopter landing zone. Costs shared equally with two other TTI Stations. Please see Attachments 77, 78, 79, and 90.	\$10,745.59	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,375.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$5,000.00	N/A	\$1,700.00	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 engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
<b>Sub-total</b>	\$62,120.00	\$63,745.59	N/A	\$15,320.59	N/A
<b>Total for all systems</b>	\$2,323,458.49	\$3,245,444.06	N/A	\$1,608,604.59	N/A

## Components

Actual Information		
Description	File Name	
Project management of the transition	<b>Component Description:</b>	Coordination for surveyor services request, aerial lift support, participated in project team conference calls.
	<b>Amount:</b>	\$500.00
	<b>Component Description:</b>	Participate in rigging logistics land use agreement review, permitting analysis, and aerial lift support. This amount is WJZ-TV's expense. Other stations were billed separately.
	<b>Amount:</b>	\$1,000.00

Attorney Fees - Negotiation  
of lease and other matters  
for shared locations

**Component Description:**

Pro rata cost for negotiations with Loyola University for use of sports complex parking lot as helicopter landing zone. Costs shared equally with two other TTI Stations.

**Amount:**

\$855.00

**Component Description:**

Pro rata cost for negotiations with Loyola University for use of sports complex parking lot as helicopter landing zone. Costs shared equally with two other TTI Stations.

**Amount:**

\$5,227.43

**Component Description:**

Pro rata cost for negotiations with Loyola University for use of sports complex parking lot as helicopter landing zone. Costs shared equally with two other TTI Stations.

**Amount:**

\$1,694.66

	<p><b>Component Description:</b></p> <p>Pro rata cost for negotiations with Loyola University for use of sports complex parking lot as helicopter landing zone. Costs shared equally with two other TTI Stations.</p> <p><b>Amount:</b></p> <p>\$2,968.50</p>
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<p><b>Component Description:</b></p> <p>Prepare Engineering Section of 90-day FCC Application for Construction Permit.</p> <p><b>Amount:</b></p> <p>\$1,375.00</p>
Perform engineering study for new channel assignment and antenna development	<p><b>Component Description:</b></p> <p>Preliminary interference study to determine appropriate ERP at two elevations.</p> <p><b>Amount:</b></p> <p>\$950.00</p> <p><b>Component Description:</b></p> <p>Repeat channel interference study using revised version of FCC OET TVStudy Software.</p> <p><b>Amount:</b></p> <p>\$750.00</p>

Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.

## Cost Information

### Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Other Expenses</b>	<b>\$406,208.28</b>	<b>\$401,358.28</b>		<b>\$163,614.86</b>	
DTV Medical Facility Notification	\$11,550.00	\$6,750.00	Required health care notification. WJZ-TV was granted a Phase Change so required an extra notification. Please see Exhibits 96 (\$3,750) and 97 (\$3,000).	\$6,750.00	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
Local Zoning	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A

Non-zoning permits	<b>\$5,966.66</b>	\$5,966.66	Pro rata cost for permitting services including drawings, zoning, building, electrical, surveying, and fees. Please see Attachment 69.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$6,000.00</b>	\$6,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<b>\$15,000.00</b>	\$15,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<b>\$1,000.00</b>	\$1,000.00	N/A	N/A	N/A
Additional Security Guard	<b>\$8,058.72</b>	\$8,058.72	Pro rata cost for an additional security guard (plus sales tax) required to restrict traffic to the WJZ TV access road while the gin pole is used. Please see Attachment 53A.	N/A	N/A

All Terrain Vehicle	<b>\$26,230.97</b>	\$26,230.97	Required for Gin Pole Phase but acquired in advance to assure availability. Will transport employees from designated locations through tower work zone. Cheaper to buy than rent. Will be sold with funds refunded to the project. See Attachments 46A and 53.	\$26,230.97	N/A
All Terrain Vehicle Sales Tax	<b>\$1,571.52</b>	\$1,571.52	State of Maryland sales tax on all-terrain vehicle. Please see Attachments 46A and 53.	\$1,571.52	N/A

Construct Pathway 1 and Stairs	<b>\$18,804.00</b>	\$18,804.00	Pro rata cost for pathway through the southwest woods suitable for ATV to shuttle employees. Also includes stairway construction to quickly evacuate property. See Attachment 53A.	\$18,804.00	N/A
Construct Pathway 2 and Fence	<b>\$12,683.33</b>	\$12,683.33	Pro rata cost to construct ATV Pathway 2, including delivery, installation, pickup and removal of mats as well as removal and re installation of fencing. Please see Attachment 53A.	N/A	N/A
Electrical - Power to Gate at Hilltop	<b>\$2,295.00</b>	\$2,295.00	Power to new electric security gate at top of the hill. Please see Attachments 80 and 53A.	\$2,295.00	N/A

Electrical - Relocate Van Outlets	<b>\$7,814.00</b>	\$7,814.00	Relocate necessary electrical outlets to allow news vans to be relocated. Required to clear a possible helicopter landing zone and provide additional parking outside tower work ZOI. Please see Attachments 75 and 53A.	\$7,814.00	N/A
Electrical - Security Trailer	<b>\$15,081.00</b>	\$15,081.00	Includes new conduit as well as power and data to the temporary guard station. Please see Attachments 44A and 53. Cost decreased due to unrelated WJZ-TV capital project to install much conduit also useful for this project.	\$15,081.00	N/A

Fork Lift Rental	<b>\$3,556.46</b>	\$3,556.46	See Attachment 57 for \$659.88 quotation - plus \$28.62 for fuel charge and additional sales tax. Also Attachment 70 for \$2,867.96 second fork lift rental.	\$3,556.46	N/A
Install Gate at Pathway 1	<b>\$7,528.00</b>	\$7,528.00	Required to prevent public access to WJZTV's parking lot for employee safety. Gate will permit access from the WJZTV northwest parking lot from Pathway 1. Cost reduced by competitive bid. Please see Attachments 52A and 53A.	N/A	N/A

Offsite Parking	<b>\$4,800.00</b>	\$4,800.00	Provide 60 off-site employee parking spaces in the event a Gin Pole lift is required, work is being done on the tower, and existing lots must be closed. Please see Attachment 53.	N/A	N/A
Paving New Parking Spaces	<b>\$16,500.00</b>	\$16,500.00	Required prior to Initial Phase and during Gin Pole Phase. The quote includes paving for parking spaces that would recoup lost parking spaces when tower work is being done. Please see Attachment 53A.	\$16,500.00	N/A

Protective Scaffolding	<b>\$118,166.67</b>	\$118,166.67	Pro rata cost for scaffolding protection within the ZOI over Pathway 2 (Area 1) and the WJZTV roadway (Area 2) Required during the Initial and Gin Pole phases. Please see Attachment 53A.	\$59,333.33	N/A
Relocate Storage Container	<b>\$192.00</b>	\$192.00	Relocate two storage containers to increase available parking and clear obstructions from helicopter landing zone. Please see quote in Attachment 73 and detailed explanation in Attachment 53A.	\$192.00	N/A

Rental Security Trailer	<b>\$669.13</b>	\$669.13	Pro rata cost for guard trailer to receive packages, restrict traffic to WJZTV and coordinate vendor access to the WJZTV building while the ZOI is enacted for the gin pole. Please see Attachment 53A.	N/A	N/A
Shuttle Bus Service	<b>\$110,700.00</b>	\$110,700.00	Required only during Gin Pole Phase. Includes shuttle service to access offsite parking. Please see Attachment 53A	N/A	N/A
Top Beacon	<b>\$2,277.07</b>	\$2,277.07	See Attachment 59 for estimate of beacon and cable - plus - an approximated \$200 for local shipping, since unit and cable are quite heavy.	\$2,167.83	As anticipated, freight and sales tax were slightly greater than shown in underlying quote (Attachment 59). Cost of hardware matched.

Traffic Coord - Scaffold Install	<b>\$762.75</b>	\$762.75	Pro rata cost for traffic control during installation of protective scaffolding above roadway near tower. Please see Attachments 76 and 53A.	\$762.75	N/A
Remove Reinstall Light Pole	<b>\$2,556.00</b>	\$2,556.00	Temporarily Remove and Reinstall Light Pole in Parking Lot and Helicopter Landing Zone. Please see Attachments 53A and 99.	\$2,556.00	N/A
<b>Sub-total</b>	\$406,208.28	\$401,358.28	N/A	\$163,614.86	N/A
<b>Total for all systems</b>	\$2,323,458.49	\$3,245,444.06	N/A	\$1,608,604.59	N/A

## Components

Actual Information	
Description	File Name

DTV Medical Facility Notification	<b>Component Description:</b>		Second of two required notifications due to phase change. Please see Attachment 110.
	<b>Amount:</b>		\$3,000.00
	<b>Component Description:</b>		First of two necessary notifications due to Phase Change.
	<b>Amount:</b>		\$3,750.00
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.		
FCC Filing Fees - Form 2100 license to cover application	Information not provided.		
Local Zoning	Information not provided.		
Non-zoning permits	Information not provided.		
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.		
Equipment Delivery and Handling Charges	Information not provided.		
MVPD Notification of Channel Change	Information not provided.		
Additional Security Guard	Information not provided.		
All Terrain Vehicle	<b>Component Description:</b>		Please see quote provided as Attachment 46A. Maryland Sales tax shown separately.
	<b>Amount:</b>		\$26,230.97

All Terrain Vehicle Sales Tax	<p><b>Component Description:</b> This is Maryland State sales tax for ATV, which is shown separately. Please see quote provided as Attachment 46A.</p> <p><b>Amount:</b> \$1,571.52</p>
Construct Pathway 1 and Stairs	<p><b>Component Description:</b> Pro rata amount for stairway and temporary path construction final payment. Please see Attachments 47A and 83.</p> <p><b>Amount:</b> \$9,402.00</p> <p><b>Component Description:</b> Pro rata amount for stairway and temporary path construction down-payment. Please see Attachments 47A and 83.</p> <p><b>Amount:</b> \$9,402.00</p>
Construct Pathway 2 and Fence	Information not provided.
Electrical - Power to Gate at Hilltop	<p><b>Component Description:</b> Please see Attachments 53A and 80.</p> <p><b>Amount:</b> \$2,295.00</p>
Electrical - Relocate Van Outlets	<p><b>Component Description:</b> Please see Attachments 53A and 81</p> <p><b>Amount:</b> \$7,814.00</p>

Electrical - Security Trailer	<div> <b>Component Description:</b> See Attachments 44A and 53A.         </div> <div> <b>Amount:</b> \$15,081.00         </div>
Fork Lift Rental	<div> <b>Component Description:</b> See estimate provided as Attachment 57. Includes \$28.62 for fuel and additional sales tax.         </div> <div> <b>Amount:</b> \$688.50         </div> <div> <b>Component Description:</b> Fork lift rental, delivery, and insurance fee. Pickup fee listed separately.         </div> <div> <b>Amount:</b> \$2,667.96         </div> <div> <b>Component Description:</b> Fork Lift Pickup fee. Please see Attachment 72.         </div> <div> <b>Amount:</b> \$200.00         </div>
Install Gate at Pathway 1	Information not provided.
Offsite Parking	Information not provided.
Paving New Parking Spaces	<div> <b>Component Description:</b> Expand existing parking lot. Please see Attachments 48 and 53A.         </div> <div> <b>Amount:</b> \$16,500.00         </div>

Protective Scaffolding	<p><b>Component Description:</b> Pro rata cost for protective scaffolding work. Please see Attachments 83 and 88A.</p> <p><b>Amount:</b> \$59,333.33</p>
Relocate Storage Container	<p><b>Component Description:</b> Relocate two storage containers to increase available parking and clear obstructions from helicopter landing zone. Please see quote in Attachment 73 and detailed explanation in Attachment 53A.</p> <p><b>Amount:</b> \$192.00</p>
Rental Security Trailer	Information not provided.
Shuttle Bus Service	Information not provided.
Top Beacon	<p><b>Component Description:</b> Replacement tower beacon. Please see quote in Attachment 59. Includes sales tax and freight.</p> <p><b>Amount:</b> \$2,167.83</p>

Traffic Coord - Scaffold Install	<div> <div> <b>Component Description:</b> </div> <div> Pro rata cost for security guard to serve a "flagging" service during scaffolding installation. Please see Attachments 83 and 91. </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$762.75 </div> </div>
Remove Reinstall Light Pole	<div> <div> <b>Component Description:</b> </div> <div> Please see Attachments 53A and 99. </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$2,556.00 </div> </div>

**Cost  
Information**

**Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,323,458.49	\$3,245,444.06	\$1,608,604.59

**Reimbursement Status**

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

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

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

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Andrew J Siegel</b> <i>Assistant Secretary</i></p> <p>06/04/2020</p>

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 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).	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Andrew J Siegel</b>  <i>Assistant Secretary</i></p> <p>06/04/2020</p>

## Attachments