



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **28476** | Service: **DTV** | Call **WDRB** | Channel: **32 (UHF)** |  
ID: | Sign:  
File **0000028687**  
Number:  
FRN: **0003189248** | Date **02/04**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>INDEPENDENCE TELEVISION COMPANY</b>	Keith Wilkowski 624 W. MUHAMMAD ALI BLVD LOUISVILLE, KY 40203 United States	+1 (419) 277-6006	kwilkowski@blockcommunications.com	Corporation

## 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>Gary Schroder</b> <i>Chief Engineer</i> <i>WDRB-Independence Television</i>	Steve Ballard 624 W. Muhammad Ali Louisville, KY 40203 United States	+1 (502) 584-6441	sballard@wdrb.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	The FCC allocated us two frequencies that aren't adjacent to each other (16 & 32). This combination will require 4 antennas and 4 feedlines. The existing tower will not support that much weight. We request to construct a new tower with a "T" top design.

**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	Aux /Standby transmitter
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	No
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	CZ1000
	Year	2002
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	1 kW

**Auxiliary  
Transmitter****New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	N/A
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	0.01 kW
	Justification for New Transmitter	N/A. Station is not seeking reimbursement for AUX Transmitter or equipment.

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

Section	Question	Response
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	100.0 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**  
Information not provided.

**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	DCX Millineum
	Year	2005
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 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-72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	58 kW
	Justification for New Transmitter	Comark, Our present transmitter manufacturer will not support the retuning of our existing IOT transmitters. Our intention is to replace them. We will pay extra for a model with power ratings for ATSC 3.0.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes

	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Two transmitters, main and Aux will need to be wired simultaneously.
<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>Demolition</b>	To prepare for the installation of the new transmitters, we will be required to remove 3 beam transformers, filled with mineral oil.
<b>Mask Filter</b>	ATSC Mask filter Kit



<b>RF Accessories</b>	RF dummy load, 4 port switch, switch controller
<b>Installation and proof</b>	Installation of transmitter and proof of performance

**Antennas**

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

## Auxiliary Antenna

### Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Aux /Standby antenna
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	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
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	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) .....	1000.0 kW
	Manufacturer	
	Model	TFU- 32DSB- R04TC
	Year	2005

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

Facility ID	Call Sign
34167	WBKI
28476	WDRB

## Auxiliary Antenna

### New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Aux/Standby
	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	Horizontal
	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) .....	724.0 kW
	Manufacturer	

Model	ATW16H3-HSCX-32H
Year	2018
Justification for New Antenna	Side Mounted Horizontally-only Polarized UHF Trasar Television Transmitting Antenna. Rated for 50kw average input power

## 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?	Single Channel
	Feed Line Size	6 1/8 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes

<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
<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
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	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	Not in Stack
	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) .....	1000.0 kW



	Manufacturer	
	Model	TFU-32-GTH-R-06
	Year	2009

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

Facility ID	Call Sign
34167	WBKI

Primary  
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	1000.0 kW
	Manufacturer	

Model	ATW25H3-ET0-32H
Year	2018
Justification for New Antenna	Require new antenna due to new frequency allocation. Costs listed reflect a \$15,500.00 up charge for ATSC 3.0 compliant ( Elliptical ) antenna.

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	7 3/16 inches inches

<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
<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

**Auxiliary  
Transmission Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Aux/standby
	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
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	960 feet per run

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

Facility ID	Call Sign
34167	WBKI

**Auxiliary  
Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Auxiliary (Backup)
	Description of Use	Aux /Standby
	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	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1040 feet per run
	Justification for New Transmission Line	Required due to new frequency allocation.

**Auxiliary  
Transmission Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
<b>Dehydrator</b>	New dehydrator required for six and one eighth inch line.

**Primary**  
**Transmission Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	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
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1043 feet per run

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

Facility ID	Call Sign
34167	WBKI



**Primary**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1123 feet per run
	Justification for New Transmission Line	Required due to new frequency allocation.

**Primary**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
<b>Dehydrator</b>	New Dehydrator required for seven and three sixteenths inch 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**

**Add Tower**

Section	Question	Response
Existing Tower Description	Type of change	Construct New
	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?	Yes
	ASR Number	1028421
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	38° 21' 00.0" N-
	Longitude (NAD83)	085° 50' 57.0" W-
	Overall Structure Height	999.99 feet
	Support Structure Height	944.87 feet
	Ground Elevation Above Mean Sea Level (AMSL)	960.95 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Independence Television
Date Constructed	12/01/1972

**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
28476	WDRB	DTV
34167	WBKI	DTV

**Primary  
Tower**

**Tower Construction Costs**

Section	Question	Response
<b>Construct New Tower</b>	Use	Primary (Main)
	Description of Use	N/A
	Is this a request for upgraded equipment?	Yes
	Height	999.99 feet
	Justification for New Tower	The FCC allocated us two frequencies that aren't adjacent to each other (16 & 32). This combination will require 4 antennas and 4 feedlines. The existing tower will not support that much weight. We request to construct a new tower with a "T" top design.

**Primary  
Tower**

**Tower Rigging Costs**

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Name	Description
Asphalt repair	Funds needed to repair the existing asphalt surface of the tower area after construction,
State taxes	State taxes at 7% for the new tower
Shipping Freight	Freight charges for tower components
Demolition	Removal of old tower and all apparatuses not utilized.
Rental of heavy equipment	Rental of a Sky-jack to off load transmitters and other equipment.
Fence removal and installation	Costs for removing existing fence and installing new fence around new tower and guy anchors.
Purchase six and one eighth inch hangers	Utilized to hang six and one eighth inch feedline
Purchase seven and three sixteenth inch hangers	Utilized to hang seven and three sixteenth inch feedline
Installation services	Installation of two WDRB antennas and two WDRB feedlines. Remove old equipment from existing tower and mount on new tower.
Install tower and ice bridge	Charges for the installation of the tower and new ice bridge
Transmission line designs	Design drawings of transmission lines
Foundation	Concrete work for pier and anchors
Electric	Provide electricity to base of tower for lighting and ENG antennas.

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	595
	Explanation	WDRB does not have sufficient resource capacity and expertise in house to handle all of the reimbursement filing.
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No

	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	Yes
	Number of Days	14
	Justification	Taking signal measurements of predetermined radials which will be used to compare after transition.

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

Name	Description
<b>Advanced site survey GA999TS</b>	Site survey performed by transmitter manufacturer.
<b>Existing-Tower Inspection</b>	Coast-To-Coast Tower performed an inspection for us on the existing tower
<b>RF Consultant D. Everist</b>	Rf Consultant that files Engineering studies on our behalf.
<b>Structural Engineering Analysis of Tower</b>	Mark Malouf performed a total of two (to date) structural tower analysis on the WBKI /WDRB existing tower.
<b>Attorney Fees and Other Matters</b>	Legal Fees Not Otherwise Allocated



## 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	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	No
	Does this relocation require Equipment Storage?	No
	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
Project management fees internal	Cost of station personnel man hours working on repack planning

## 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 ULXTE-72</b>	<b>\$2,125,463.60</b>	<b>\$1,660,941.28</b>		<b>\$1,108,342.23</b>	
Installation and proof	<b>\$82,198.75</b>	\$82,198.75	GatesAir Quote Q-65984	\$54,799.16	N/A
RF Accessories	<b>\$66,128.79</b>	\$66,128.79	see Estimated Cost Justification WDRB-110-1st Primary Transmitter - RF Accessories v0	\$66,128.77	N/A
Mask Filter	<b>\$74,191.12</b>	\$74,191.12	see Estimated Cost Justification WDRB-110-1st Primary Transmitter - Mask Filter v0	\$74,191.09	N/A
Demolition	<b>\$4,500.00</b>	\$4,500.00	N/A	\$4,500.00	N/A
Other Electrical Service: Two transmitters, main and Aux will need to be wired simultaneously.	<b>\$68,444.94</b>	\$68,444.94	per Estimated Cost Justification WDRB-110-1st Primary Transmitter - Other Electrical Service v0	\$68,444.94	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$12,998.82	GatesAir Quote Q-65984	\$9,575.79	N/A

UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,347,578.86	GatesAir Quote Q-78329	\$830,702.48	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	\$0.00	N/A
<b>Auxiliary Transmitter N/A</b>	<b>\$28,150.00</b>	<b>\$0.00</b>		<b>\$0.00</b>	
Transformer 3 phase/480v - 150 KVA	\$25,550.00	\$0.00	N/A. Station is not seeking reimbursement for AUX Transmitter or equipment.	\$0.00	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$2,600.00	\$0.00	N/A. Station is not seeking reimbursement for AUX Transmitter or equipment.	\$0.00	N/A
UHF - Air Cooled Solid State Transmitter 0.01 kW	<b>\$0.00</b>	\$0.00	N/A. Station is not seeking reimbursement for AUX Transmitter or equipment.	\$0.00	N/A
<b>Sub-total</b>	\$2,153,613.60	\$1,660,941.28	N/A	\$1,108,342.23	N/A
<b>Total for all systems</b>	\$6,542,760.14	\$5,746,733.77	N/A	\$3,486,319.06	N/A

## Components

**Actual Information**  
**Description**

**File Name**

Installation and proof	<table> <tr> <td data-bbox="708 174 1015 208"><b>Component Description:</b></td><td data-bbox="1150 174 1329 365">WDRB-110-1st Primary Transmitter - Installation and Proof</td></tr> <tr> <td data-bbox="708 376 815 409"><b>Amount:</b></td><td data-bbox="1150 376 1281 409">\$27,399.58</td></tr> <tr> <td data-bbox="708 517 1015 551"><b>Component Description:</b></td><td data-bbox="1150 517 1339 629">Installation and Proof (1/3 Down Payment)</td></tr> <tr> <td data-bbox="708 640 815 674"><b>Amount:</b></td><td data-bbox="1150 640 1281 674">\$27,399.58</td></tr> </table>	<b>Component Description:</b>	WDRB-110-1st Primary Transmitter - Installation and Proof	<b>Amount:</b>	\$27,399.58	<b>Component Description:</b>	Installation and Proof (1/3 Down Payment)	<b>Amount:</b>	\$27,399.58				
<b>Component Description:</b>	WDRB-110-1st Primary Transmitter - Installation and Proof												
<b>Amount:</b>	\$27,399.58												
<b>Component Description:</b>	Installation and Proof (1/3 Down Payment)												
<b>Amount:</b>	\$27,399.58												
RF Accessories	<table> <tr> <td data-bbox="708 808 1015 842"><b>Component Description:</b></td><td data-bbox="1150 808 1342 954">WDRB-110-1st Primary Transmitter - RF Accessories</td></tr> <tr> <td data-bbox="708 965 815 999"><b>Amount:</b></td><td data-bbox="1150 965 1281 999">\$31,403.81</td></tr> <tr> <td data-bbox="708 1106 1015 1140"><b>Component Description:</b></td><td data-bbox="1150 1106 1366 1173">RF Accessories (1 /3 Down Payment)</td></tr> <tr> <td data-bbox="708 1184 815 1218"><b>Amount:</b></td><td data-bbox="1150 1184 1281 1218">\$13,986.41</td></tr> <tr> <td data-bbox="708 1326 1015 1359"><b>Component Description:</b></td><td data-bbox="1150 1326 1342 1471">WDRB-110-1st Primary Transmitter - RF Accessories</td></tr> <tr> <td data-bbox="708 1482 815 1516"><b>Amount:</b></td><td data-bbox="1150 1482 1281 1516">\$20,738.55</td></tr> </table>	<b>Component Description:</b>	WDRB-110-1st Primary Transmitter - RF Accessories	<b>Amount:</b>	\$31,403.81	<b>Component Description:</b>	RF Accessories (1 /3 Down Payment)	<b>Amount:</b>	\$13,986.41	<b>Component Description:</b>	WDRB-110-1st Primary Transmitter - RF Accessories	<b>Amount:</b>	\$20,738.55
<b>Component Description:</b>	WDRB-110-1st Primary Transmitter - RF Accessories												
<b>Amount:</b>	\$31,403.81												
<b>Component Description:</b>	RF Accessories (1 /3 Down Payment)												
<b>Amount:</b>	\$13,986.41												
<b>Component Description:</b>	WDRB-110-1st Primary Transmitter - RF Accessories												
<b>Amount:</b>	\$20,738.55												

Mask Filter	<div> <div> <b>Component Description:</b>  WDRB-110-1st  Primary  Transmitter - Mask  Filter </div> <div> <b>Amount:</b>  \$27,320.03 </div> </div> <div> <div> <b>Component Description:</b>  Mask Filter System  (1/3 Down  Payment) </div> <div> <b>Amount:</b>  \$23,545.77 </div> </div> <div> <div> <b>Component Description:</b>  WDRB-110-1st  Primary  Transmitter - Mask  Filter </div> <div> <b>Amount:</b>  \$23,325.29 </div> </div>
Demolition	<div> <div> <b>Component Description:</b>  Labor for  transmitter  Demolition project </div> <div> <b>Amount:</b>  \$4,500.00 </div> </div>

<p>Other Electrical Service: Two transmitters, main and Aux will need to be wired simultaneously.</p>	<table> <tr> <td data-bbox="708 174 1015 210"><b>Component Description:</b></td><td data-bbox="1150 174 1374 488">WDRB-110-1st Primary Transmitter - Other Electrical Service - wiring two transmitters simultaneously (main &amp; aux)</td></tr> <tr> <td data-bbox="708 499 815 535"><b>Amount:</b></td><td data-bbox="1150 499 1267 535">\$4,332.94</td></tr> <tr> <td data-bbox="708 636 1015 672"><b>Component Description:</b></td><td data-bbox="1150 636 1337 707">Work performed on: 9/5/18</td></tr> <tr> <td data-bbox="708 719 815 754"><b>Amount:</b></td><td data-bbox="1150 719 1283 754">\$21,612.00</td></tr> <tr> <td data-bbox="708 855 1015 891"><b>Component Description:</b></td><td data-bbox="1150 855 1374 927">Work Performed on 9/20/18</td></tr> <tr> <td data-bbox="708 938 815 974"><b>Amount:</b></td><td data-bbox="1150 938 1283 974">\$42,500.00</td></tr> </table>	<b>Component Description:</b>	WDRB-110-1st Primary Transmitter - Other Electrical Service - wiring two transmitters simultaneously (main & aux)	<b>Amount:</b>	\$4,332.94	<b>Component Description:</b>	Work performed on: 9/5/18	<b>Amount:</b>	\$21,612.00	<b>Component Description:</b>	Work Performed on 9/20/18	<b>Amount:</b>	\$42,500.00
<b>Component Description:</b>	WDRB-110-1st Primary Transmitter - Other Electrical Service - wiring two transmitters simultaneously (main & aux)												
<b>Amount:</b>	\$4,332.94												
<b>Component Description:</b>	Work performed on: 9/5/18												
<b>Amount:</b>	\$21,612.00												
<b>Component Description:</b>	Work Performed on 9/20/18												
<b>Amount:</b>	\$42,500.00												
<p>Transformer 3 phase/480v - 300 KVA</p>	<table> <tr> <td data-bbox="708 1102 1015 1137"><b>Component Description:</b></td><td data-bbox="1150 1102 1374 1294">WDRB-110-1st Primary Transmitter - Transformer 480V - 300 KVA</td></tr> <tr> <td data-bbox="708 1305 815 1341"><b>Amount:</b></td><td data-bbox="1150 1305 1267 1341">\$5,242.85</td></tr> <tr> <td data-bbox="708 1442 1015 1478"><b>Component Description:</b></td><td data-bbox="1150 1442 1337 1514">Electrical (1/3 Down Payment)</td></tr> <tr> <td data-bbox="708 1525 815 1561"><b>Amount:</b></td><td data-bbox="1150 1525 1267 1561">\$4,332.94</td></tr> </table>	<b>Component Description:</b>	WDRB-110-1st Primary Transmitter - Transformer 480V - 300 KVA	<b>Amount:</b>	\$5,242.85	<b>Component Description:</b>	Electrical (1/3 Down Payment)	<b>Amount:</b>	\$4,332.94				
<b>Component Description:</b>	WDRB-110-1st Primary Transmitter - Transformer 480V - 300 KVA												
<b>Amount:</b>	\$5,242.85												
<b>Component Description:</b>	Electrical (1/3 Down Payment)												
<b>Amount:</b>	\$4,332.94												

UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	<div> <b>Component Description:</b> ULXTE-72 Transmitter </div> <div> <b>Amount:</b> \$447,304.76 </div>
	<div> <b>Component Description:</b> Primary Transmitter </div> <div> <b>Amount:</b> \$415,904.71 </div>
	<div> <b>Component Description:</b> Transmitter, Mask filter system, RF accessories, Electrical, Installation &amp; proof </div> <div> <b>Amount:</b> \$414,797.77 </div>
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Transformer 3 phase/480v - 150 KVA	Information not provided.
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
UHF - Air Cooled Solid State Transmitter 0.01 kW	Information not provided.



## 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 Justification
<b>Primary Antenna ATW25H3-ET0-32H</b>	<b>\$315,390.00</b>	<b>\$267,044.95</b>		<b>\$244,517.12</b>	
Sweep test of existing antenna	\$6,730.00	\$4,625.00	per proposal 20170929-827 Rev E	\$3,468.75	
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	\$0.00	
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$27,192.00	This is the price quoted by ERI for all the elbows in the line (12). Actual cost may change after we pay for the transmission line design.	\$10,820.42	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$230,227.95	ERI Quote20170929827RevE ERI Invoice WDRB-100B	\$230,227.95	

<b>Auxiliary Antenna ATW16H3- HSCX-32H</b>	<b>\$231,385.74</b>	<b>\$219,474.74</b>		<b>\$152,466.39</b>
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	\$4,800.00
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$13,000.00	N/A	\$7,800.00
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$12,904.00	This is the cost figure the manufacture had listed for the elbow complex.	\$5,897.64
Sweep test of existing antenna	\$6,730.00	\$4,625.00	per proposal 20170929- 827 Rev E	\$693.75
UHF - High Power, Side Mount, basic slot antenna, 724 kW input, horizontally polarized	<b>\$183,945.74</b>	\$183,945.74	This Auxiliary Antenna is a Side Mounted Horizontally Polarized UHF Trasar Television Transmitting Antenna. Rated for 50kw average input power	\$133,275.00

<b>Sub-total</b>	\$546,775.74	\$486,519.69	N/A	\$396,983.51
<b>Total for all systems</b>	\$6,542,760.14	\$5,746,733.77	N/A	\$3,486,319.06

## Components

Actual Information	
Description	File Name
Sweep test of existing antenna	<p><b>Component Description:</b> Primary Antenna - Sweep Test</p> <p><b>Amount:</b> \$1,387.50</p> <p><b>Component Description:</b> WDRB-210- Primary Antenna - Sweep Test</p> <p><b>Amount:</b> \$693.75</p> <p><b>Component Description:</b> WDRB-210- Primary Antenna - Sweep Test</p> <p><b>Amount:</b> \$1,387.50</p>
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	<p><b>Component Description:</b> Primary Antenna - Elbow Complex 7 3 /16"</p> <p><b>Amount:</b> \$5,410.21</p> <p><b>Component Description:</b> Primary Antenna - Elbow Complex 7 3 /16"</p> <p><b>Amount:</b> \$5,410.21</p>

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	<b>Component Description:</b>	WDRB-210- Primary Antenna - UHF High Power Top Mount
	<b>Amount:</b>	\$123,352.95
	<b>Component Description:</b>	WDRB-210- Primary Antenna - UHF High Power Top Mount
	<b>Amount:</b>	\$53,437.50
	<b>Component Description:</b>	Primary Antenna - UHF High Power Top Mount
	<b>Amount:</b>	\$53,437.50
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	<b>Component Description:</b>	SCATTERING STUDY -- WDRB
	<b>Amount:</b>	\$2,400.00
	<b>Component Description:</b>	Aux antenna scattering study
	<b>Amount:</b>	\$2,400.00
Side mount brackets for high power antennas (if not included in antenna base cost)	<b>Component Description:</b>	WDRB-250- Auxiliary Antenna - Side Mount Brackets High Power Antenna
	<b>Amount:</b>	\$3,900.00
	<b>Component Description:</b>	Auxiliary Antenna - Side Mount Brackets High Power Antenna
	<b>Amount:</b>	\$3,900.00

<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<table> <tr> <td data-bbox="710 168 1013 212"><b>Component Description:</b></td><td data-bbox="1149 168 1380 280">Auxiliary Antenna - Elbow Complex 6 1/8"</td></tr> <tr> <td data-bbox="710 291 821 336"><b>Amount:</b></td><td data-bbox="1149 291 1268 336">\$2,948.82</td></tr> <tr> <td data-bbox="710 425 1013 470"><b>Component Description:</b></td><td data-bbox="1149 425 1380 582">WDRB-250-Auxiliary Antenna - Elbow Complex 6 1/8"</td></tr> <tr> <td data-bbox="710 593 821 638"><b>Amount:</b></td><td data-bbox="1149 593 1268 638">\$2,948.82</td></tr> </table>	<b>Component Description:</b>	Auxiliary Antenna - Elbow Complex 6 1/8"	<b>Amount:</b>	\$2,948.82	<b>Component Description:</b>	WDRB-250-Auxiliary Antenna - Elbow Complex 6 1/8"	<b>Amount:</b>	\$2,948.82				
<b>Component Description:</b>	Auxiliary Antenna - Elbow Complex 6 1/8"												
<b>Amount:</b>	\$2,948.82												
<b>Component Description:</b>	WDRB-250-Auxiliary Antenna - Elbow Complex 6 1/8"												
<b>Amount:</b>	\$2,948.82												
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="710 761 1013 806"><b>Component Description:</b></td><td data-bbox="1149 761 1380 873">WDRB-250-Auxiliary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="710 884 821 929"><b>Amount:</b></td><td data-bbox="1149 884 1252 929">\$693.75</td></tr> </table>	<b>Component Description:</b>	WDRB-250-Auxiliary Antenna - Sweep Test	<b>Amount:</b>	\$693.75								
<b>Component Description:</b>	WDRB-250-Auxiliary Antenna - Sweep Test												
<b>Amount:</b>	\$693.75												
<p>UHF - High Power, Side Mount, basic slot antenna, 724 kW input, horizontally polarized</p>	<table> <tr> <td data-bbox="710 1052 1013 1097"><b>Component Description:</b></td><td data-bbox="1149 1052 1380 1209">WDRB-250-Auxiliary Antenna - UHF High Power Side Mount</td></tr> <tr> <td data-bbox="710 1220 821 1265"><b>Amount:</b></td><td data-bbox="1149 1220 1284 1265">\$47,025.00</td></tr> <tr> <td data-bbox="710 1355 1013 1400"><b>Component Description:</b></td><td data-bbox="1149 1355 1380 1467">Auxiliary Antenna - UHF High Power Side Mount</td></tr> <tr> <td data-bbox="710 1478 821 1523"><b>Amount:</b></td><td data-bbox="1149 1478 1284 1523">\$43,125.00</td></tr> <tr> <td data-bbox="710 1612 1013 1657"><b>Component Description:</b></td><td data-bbox="1149 1612 1348 1691">UHF High Power Side Mount</td></tr> <tr> <td data-bbox="710 1702 821 1747"><b>Amount:</b></td><td data-bbox="1149 1702 1284 1747">\$43,125.00</td></tr> </table>	<b>Component Description:</b>	WDRB-250-Auxiliary Antenna - UHF High Power Side Mount	<b>Amount:</b>	\$47,025.00	<b>Component Description:</b>	Auxiliary Antenna - UHF High Power Side Mount	<b>Amount:</b>	\$43,125.00	<b>Component Description:</b>	UHF High Power Side Mount	<b>Amount:</b>	\$43,125.00
<b>Component Description:</b>	WDRB-250-Auxiliary Antenna - UHF High Power Side Mount												
<b>Amount:</b>	\$47,025.00												
<b>Component Description:</b>	Auxiliary Antenna - UHF High Power Side Mount												
<b>Amount:</b>	\$43,125.00												
<b>Component Description:</b>	UHF High Power Side Mount												
<b>Amount:</b>	\$43,125.00												

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 Justification
Primary Transmission Line	\$335,885.00	\$363,960.00		\$282,914.61	
Rigid Transmission Line - copper, 7 3/16"	\$325,670.00	\$353,745.00	ERI Quote20170929827RevE	\$274,522.56	
Dehydrator	\$10,215.00	\$10,215.00	N/A	\$8,392.05	
Auxiliary Transmission Line	\$221,050.00	\$192,656.00		\$143,911.32	
Rigid Transmission Line - copper, 6 1/8"	\$210,080.00	\$181,686.00	ERI Quote20170929827RevE	\$135,519.27	
Dehydrator	\$10,970.00	\$10,970.00	N/A	\$8,392.05	
Sub-total	\$556,935.00	\$556,616.00	N/A	\$426,825.93	
Total for all systems	\$6,542,760.14	\$5,746,733.77	N/A	\$3,486,319.06	

Components

Actual Information Description	File Name
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Rigid Transmission Line - copper, 7 3/16"	<b>Component Description:</b>	WDRB-310- Primary Transmission Line - Rigid Transmission Line 7 3/16"
	<b>Amount:</b>	\$96,167.68
	<b>Component Description:</b>	Primary Transmission Line - Rigid Transmission Line 7 3/16"
	<b>Amount:</b>	\$89,177.44
	<b>Component Description:</b>	Primary Transmission Line - Rigid Transmission Line 7 3/16"
	<b>Amount:</b>	\$89,177.44
Dehydrator	<b>Component Description:</b>	WDRB-310- Primary Transmission Line - Dehydrator
	<b>Amount:</b>	\$2,797.35
	<b>Component Description:</b>	WDRB-310- Primary Transmission Line - Dehydrator
	<b>Amount:</b>	\$2,797.35
	<b>Component Description:</b>	Primary Transmission Line - Dehydrator
	<b>Amount:</b>	\$2,797.35

Rigid Transmission Line - copper, 6 1/8"	<b>Component Description:</b>	WDRB-350- Auxiliary Transmission Line - Rigid Transmission Line 6 1/8"
	<b>Amount:</b>	\$48,063.97
	<b>Component Description:</b>	Auxiliary Transmission Line - Rigid Transmission Line 6 1/8"
	<b>Amount:</b>	\$43,727.65
	<b>Component Description:</b>	WDRB-350- Auxiliary Transmission Line - Rigid Transmission Line 6 1/8"
	<b>Amount:</b>	\$43,727.65
Dehydrator	<b>Component Description:</b>	WDRB-350- Auxiliary Transmission Line - Dehydrator
	<b>Amount:</b>	\$2,797.35
	<b>Component Description:</b>	WDRB-350- Auxiliary Transmission Line - Dehydrator
	<b>Amount:</b>	\$2,797.35
	<b>Component Description:</b>	Auxiliary Transmission Line - Dehydrator
	<b>Amount:</b>	\$2,797.35





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 Justification
Primary Tower TOWER	\$0.00	\$0.00		\$0.00	
Primary Tower	\$2,852,875.50	\$2,642,376.50		\$1,354,963.06	
Installation services	\$89,286.00	\$89,286.00	N/A	\$22,926.44	
Demolition	\$160,715.00	\$160,715.00	N/A	\$16,600.00	
Transmission line designs	\$9,250.00	\$9,250.00	N/A	\$5,550.00	
Shipping Freight	\$11,696.00	\$11,696.00	N/A	\$11,695.74	
Install tower and ice bridge	\$686,250.50	\$686,250.50	ERI Quote20170929827RevE	\$598,209.75	
Foundation	\$200,000.00	\$200,000.00	N/A	\$64,980.00	
State taxes	\$134,843.00	\$134,843.00	N/A	\$94,500.13	
New tower	\$1,250,000.00	\$1,250,000.00	N/A	\$540,501.00	
Tall Tower (greater than 500')	\$210,500.00	\$1.00	Cost reflected in new tower expense	\$0.00	
Purchase seven and three sixteenth inch hangers	\$55,413.00	\$55,413.00	N/A	\$0.00	
Fence removal and installation	\$5,000.00	\$5,000.00	N/A	\$0.00	
Electric	\$2,500.00	\$2,500.00	N/A	\$0.00	

Rental of heavy equipment	<b>\$2,500.00</b>	\$2,500.00	N/A	\$0.00
Asphalt repair	<b>\$5,000.00</b>	\$5,000.00	N/A	\$0.00
Purchase six and one eighth inch hangers	<b>\$29,922.00</b>	\$29,922.00	N/A	\$0.00
<b>Sub-total</b>	\$2,852,875.50	\$2,642,376.50	N/A	\$1,354,963.06
<b>Total for all systems</b>	\$6,542,760.14	\$5,746,733.77	N/A	\$3,486,319.06

## Components

Actual Information	
Description	File Name
Installation services	
	<p><b>Component Description:</b> Labor-operation /management to create proposed crane pad</p> <p><b>Amount:</b> \$13,401.44</p>
	<p><b>Component Description:</b> WDRB-480-Construct New Tower - Installation Services</p> <p><b>Amount:</b> \$5,775.00</p>
	<p><b>Component Description:</b> Construct New Tower - Installation Services</p> <p><b>Amount:</b> \$1,875.00</p>
	<p><b>Component Description:</b> Construct New Tower - Installation Services</p> <p><b>Amount:</b> \$1,875.00</p>

Demolition	<div> <div> <b>Component Description:</b> </div> <div>Remove approx 1 1/2 acres of trees</div> </div> <div> <div> <b>Amount:</b> </div> <div>\$16,600.00</div> </div>
Transmission line designs	<div> <div> <b>Component Description:</b> </div> <div>Construct New Tower - Transmission Line designs (Primary &amp; Aux)</div> </div> <div> <div> <b>Amount:</b> </div> <div>\$2,775.00</div> </div> <div> <div> <b>Component Description:</b> </div> <div>Construct New Tower - Transmission Line designs (Primary Aux)</div> </div> <div> <div> <b>Amount:</b> </div> <div>\$2,775.00</div> </div>
Shipping Freight	<div> <div> <b>Component Description:</b> </div> <div>WDRB-480-Construct New Tower - Shipping /Freight</div> </div> <div> <div> <b>Amount:</b> </div> <div>\$11,695.74</div> </div>

Install tower and ice bridge		
	<b>Component Description:</b>	WDRB-480-Construct New Tower - Install Tower and Ice Bridge
	<b>Amount:</b>	\$186,459.45
	<b>Component Description:</b>	Construct New Tower - Install Tower and Ice Bridge
	<b>Amount:</b>	\$205,875.15
	<b>Component Description:</b>	Construct New Tower - Install Tower and Ice Bridge
	<b>Amount:</b>	\$205,875.15
Foundation		
	<b>Component Description:</b>	WDRB-480-Construct New Tower - Foundation
	<b>Amount:</b>	\$21,660.00
	<b>Component Description:</b>	WDRB-480-Construct New Tower - Foundation
	<b>Amount:</b>	\$21,660.00
	<b>Component Description:</b>	Construct New Tower - Foundation
	<b>Amount:</b>	\$21,660.00

State taxes	<div> <div>Component Description:</div> <div>WDRB-480-Construct New Tower - State Sales Tax</div> </div> <div> <div>Amount:</div> <div>\$94,500.13</div> </div>
New tower	<div> <div>Component Description:</div> <div>Antenna Equipment and Installation Services</div> </div> <div> <div>Amount:</div> <div>\$143,553.00</div> </div> <div> <div>Component Description:</div> <div>Survey of new tower location and support cables. Fieldwork. Drawing and process data.</div> </div> <div> <div>Amount:</div> <div>\$1,042.50</div> </div> <div> <div>Component Description:</div> <div>Construct New Tower - New Tower</div> </div> <div> <div>Amount:</div> <div>\$197,952.75</div> </div> <div> <div>Component Description:</div> <div>Construct New Tower</div> </div> <div> <div>Amount:</div> <div>\$197,952.75</div> </div>
Tall Tower (greater than 500')	Information not provided.
Purchase seven and three sixteenth inch hangers	Information not provided.
Fence removal and installation	Information not provided.
Electric	Information not provided.
Rental of heavy equipment	Information not provided.
Asphalt repair	Information not provided.

Purchase six and one eighth inch hangers	Information not provided.
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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
Outside Professional Services	\$371,716.30	\$346,337.30		\$190,576.33	
Attorney Fees and Other Matters	\$40,953.30	\$40,953.30	per Estimated Cost Justification WDRB-550-Attorney - Other Matters v1	\$40,953.30	N/A
Structural Engineering Analysis of Tower	\$16,800.00	\$16,800.00	Per Hodge Structural Engineers invoice	\$16,800.00	N/A
RF Consultant D. Everist	\$50,000.00	\$50,000.00	N/A	\$23,095.68	N/A
Existing-Tower Inspection	\$5,000.00	\$5,000.00	N/A	\$5,000.00	N/A
Advanced site survey GA999TS	\$17,353.00	\$17,353.00	N/A	\$8,185.20	N/A
Additional Field Engineering Service, 14 Days	\$11,650.00	\$11,650.00	N/A	\$0.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	\$12,500.00	N/A



ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	\$0.00	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$1,000.00	Please see the attached invoice from TERRACON # TB18642-1	\$1,000.00	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$1,650.00	Please see the attached invoice from TERRACON # TB18642-1	\$1,650.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$314.00	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$2,105.00	\$431.00	Per WDRB Justification New Budget Category Attorney License to Cover App (Aux)	\$431.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$1,590.50	N/A

Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$0.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$0.00	N/A
Project management of the transition	\$94,010.00	\$90,750.00	N/A	\$79,056.65	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$0.00	N/A
<b>Sub-total</b>	<b>\$371,716.30</b>	<b>\$346,337.30</b>	<b>N/A</b>	<b>\$190,576.33</b>	<b>N/A</b>

<b>Total for all systems</b>	\$6,542,760.14	\$5,746,733.77	N/A	\$3,486,319.06	N/A
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## Components

Actual Information	
Description	File Name
Attorney Fees and Other Matters	<b>Component Description:</b> WDRB-550-Attorney - Other Matters <b>Amount:</b> \$651.00
	<b>Component Description:</b> Email with station engineers re FCC repack quarterly progress report <b>Amount:</b> \$270.00
	<b>Component Description:</b> Email with K. Wilkowski and station staff re FCC site visits <b>Amount:</b> \$1,170.00
	<b>Component Description:</b> Review status of regulatory approvals for the new tower <b>Amount:</b> \$3,030.00
	<b>Component Description:</b> Email with K. Wilowski re FCC repack notice on potential fraud <b>Amount:</b> \$1,200.00
	<b>Component Description:</b> Email with G. Schroder re FCC repack progress reports <b>Amount:</b> \$2,101.00

<b>Component Description:</b>	Review issues re tower construction; email with G. Schroder re same
<b>Amount:</b>	\$2,917.50

<b>Component Description:</b>	Prepare correspondence to client regarding data sheet information for proposed WDRB tower
<b>Amount:</b>	\$6,870.00

<b>Component Description:</b>	Fees
<b>Amount:</b>	\$8,023.00

<b>Component Description:</b>	Please deny this component
<b>Amount:</b>	N/A

<b>Component Description:</b>	Fees
<b>Amount:</b>	\$4,214.80

<b>Component Description:</b>	Email with engineering staff re second tranche of repack funding
<b>Amount:</b>	\$450.00

<b>Component Description:</b>	Fees
<b>Amount:</b>	\$7,779.50

<b>Component Description:</b>	Legal services
<b>Amount:</b>	\$844.00

	<b>Component Description:</b> Conference call and emails with K. <b>Amount:</b> \$1,432.50
Structural Engineering Analysis of Tower	<b>Component Description:</b> Site plan and survey of broadcast tower <b>Amount:</b> \$5,800.00  <b>Component Description:</b> Engineering Evaluation /Feasibility Analysis for 944' guyed tower <b>Amount:</b> \$7,500.00  <b>Component Description:</b> Structural Analysis <b>Amount:</b> \$3,500.00

RF Consultant D. Everist	<b>Component Description:</b> <b>Amount:</b>	Consulting Services \$4,372.00
	<b>Component Description:</b> <b>Amount:</b>	Consulting Services \$827.12
	<b>Component Description:</b> <b>Amount:</b>	Consulting Services \$1,351.42
	<b>Component Description:</b> <b>Amount:</b>	Consulting Services \$5,167.80
	<b>Component Description:</b> <b>Amount:</b>	Consulting Services \$3,330.70
	<b>Component Description:</b> <b>Amount:</b>	Consulting Engineering Services \$4,973.01
	<b>Component Description:</b> <b>Amount:</b>	Consulting Services \$3,073.63
Existing-Tower Inspection	<b>Component Description:</b> <b>Amount:</b>	Completion of complete tower inspection at WDRB TV tower. \$5,000.00
Advanced site survey GA999TS	<b>Component Description:</b> <b>Amount:</b>	Site Survey \$8,185.20

Additional Field Engineering Service, 14 Days	Information not provided.	
Comprehensive coverage verification via field study, if needed	<b>Component Description:</b>  <b>Amount:</b>	TV MEASUREMENTS AND REPORT PER QUOTATION DATED 9/4/2018 \$5,000.00  Down payment for TV measurements and report per quotation \$7,500.00
ASR modification (prepare FCC Form 854)	Information not provided.	
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	<b>Component Description:</b>  <b>Amount:</b>	Environmental Assessment \$1,000.00
NEPA Section 106 environmental review, if needed	<b>Component Description:</b>  <b>Amount:</b>	NEPA Screening-National Environmental Policy Act (NEPA) screening for the proposed tower site in accordance with Federal Communication Commission (FCC) requirements \$1,650.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	<p><b>Component Description:</b></p> <p>Correspondence re modification of repack CPs to report new ASR number</p> <p><b>Amount:</b></p> <p>\$314.00</p>
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	<p><b>Component Description:</b></p> <p>WDRB-550-Attorney - Attorney Fees - Prepare and File FCC Form 2100 Construction Permit or License Cover Application (Aux)</p> <p><b>Amount:</b></p> <p>\$431.00</p>
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<p><b>Component Description:</b></p> <p>WDRB-550-Attorney - Prepare and File Form 2100 Construction Permit Application (Main)</p> <p><b>Amount:</b></p> <p>\$1,590.50</p>
Prepare request for Special Temporary Authorization	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Perform engineering study for new channel assignment and antenna development	Information not provided.
Prepare and or review reimbursement form	Information not provided.



Project management of  
the transition

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$6,258.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,591.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,958.95

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,818.95

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$7,044.80

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,151.30

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,815.95

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,242.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,789.35

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,087.95

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,172.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,494.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,417.90

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,242.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$241.75

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$5,080.05

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,149.70

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,773.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,725.05

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$5,506.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,831.25

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,014.55

	<b>Component Description:</b> <b>Amount:</b>	Project Management \$1,890.40
Address transition timing and coordination issues w/ other stations and wireless	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>\$45,544.00</b>	<b>\$38,643.00</b>		<b>\$8,628.00</b>	
Project management fees internal	<i>\$15,000.00</i>	\$15,000.00	N/A	\$0.00	N/A
MVPD Notification of Channel Change	<i>\$3,464.00</i>	\$3,464.00	Estimated Cost Justification WDRB-610-MVPD Notification v0	\$3,464.00	N/A
Develop and air announcement of upcoming channel change	<i>\$1,000.00</i>	\$1,000.00	N/A	\$0.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$4,000.00</i>	\$4,000.00	N/A	\$500.00	N/A
Non-zoning permits	<i>\$3,000.00</i>	\$3,000.00	N/A	\$0.00	N/A
Local Zoning	<i>\$7,000.00</i>	\$7,000.00	N/A	\$0.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$4,664.00	Estimated Cost Justification WDRB-610-DTV Medical Facility Notification	\$4,664.00	N/A

FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	\$0.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	\$0.00	N/A
<b>Sub-total</b>	\$45,544.00	\$38,643.00	N/A	\$8,628.00	N/A
<b>Total for all systems</b>	\$6,542,760.14	\$5,746,733.77	N/A	\$3,486,319.06	N/A

## Components

Actual Information	
Description	File Name
Project management fees internal	Information not provided.
MVPD Notification of Channel Change	<div> <div>Component Description:</div> <div>MVPD Notification Services</div> <div>Amount:</div> <div>\$3,464.00</div> </div>
Develop and air announcement of upcoming channel change	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	<div> <div>Component Description:</div> <div>Switch Out - Trash</div> <div>Amount:</div> <div>\$500.00</div> </div>
Non-zoning permits	Information not provided.
Local Zoning	Information not provided.

DTV Medical Facility Notification	<div> <div>Component Description:</div> <div>Notification of Medical Facilities</div> </div> <div> <div>Amount:</div> <div>\$4,664.00</div> </div>
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$6,542,760.14	\$5,746,733.77	\$3,486,319.06

Reimbursement Status	Question	Response
	The facility has ceased operating on its pre-auction channel.	Yes
	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>Gary Schroder</b>  <i>Chief Engineer</i></p> <p>02/04/2020</p>

## Attachments