



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **16817** | Service: **DTV** | Call **WTVS** | Channel: **20 (UHF)** |
ID: | Sign:
File **0000027891**
Number:
FRN: **0002770360** | Date **06/18**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
DETROIT EDUCATIONAL TELEVISION FOUNDATION Doing Business As: WTVS	John Mark RILEY BROADCASTCAST CENTER 1 CLOVER COURT WIXOM, MI 48393 United States	+1 (248) 305- 3788	jmark@dptv. org	Not-for-Profit

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
John Mark <i>VP Engineering</i> <i>Detroit Educational Television Foundation</i>	John Mark 1 Clover Court Wixom, MI 48393 United States	+1 (248) 305- 3760	jmark@dptv. org

**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	3 stations Install and operate from a new side mount Broadband Antenna installed before implementation of Phase 3 due to WMYD early transition. Install new transmitter filters coax and antenna to operate on post transition assigned frequency of channel 20

Transmitters

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

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Visionary DT Dual HP25SDW
	Year	1999
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60 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-60
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	38 kW
	Justification for New Transmitter	Current Transmitter Manufacture no longer in business Parts unavailable SS transmitter lower cost than IOT See Attached

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes

	Size	2 inches
	Length	200.0 feet
	Other Electrical Service	Yes
	Description	Generator replacement Electrical installation for Transmitter
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	10 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	1500.0 square feet
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Internal Transmission Line	Internal Transmission Line
Transmitter Installation Costs	Transmitter Installation Costs
electrical Sub panel	power distribution for new combiner room
Transmitter Electrical Installation	Engineering, planning, and installation labor for transmitter electrical components as required due to the repack

HVAC ice shield	protection for external portion of HVAC
10 ton Heating and cooling unit	antenna combiner room heating and cooling

Antennas

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

Primary Antenna

Existing Antenna Information

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

Manufacturer	
Model	TFU-18GBH-R04
Year	1999

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)	345.0 kW
	Manufacturer	

Model	TFU-24GTH-VP-R 06
Year	2019
Justification for New Antenna	Current antenna does not support new channel Vertical upgrade will be a separate line item on invoice

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No

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

**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**Interim
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Leased
	Owner	American Tower
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Slot
	Number of Stations Supported	3
	Number of Panels/Bays	24
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	60.0 kW
	Manufacturer	
	Model	TFU-24WB /VP

Year	2018
Justification for New Antenna	Candelabra will need extensive upgrades for repack of 3 stations 1 in phase 3 two in phase 8

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	3
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	7 3/16 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number
21
43
44

Interim
Antenna

Other Antenna Cost Not Listed

Name	Description
Ice Shield for new Side-Mount Antenna Interim	Ice shield to protect interim antenna
combiner installation	installation of combiner by manufacture

Transmission Line

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary
Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	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	1200 feet per run

Primary **New Transmission Line**
Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1200 feet per run
	Justification for New Transmission Line	Cannel reassignment is forbidden channel on current coax

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

Information not provided.

Interim
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	7 3/16 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	995 feet per run
	Justification for New Transmission Line	no current interim coax cost for coax, 3 elbows and nitrogen generator for pressurization of line

Interim
Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

**Tower
Equipment
And
Rigging
Costs**

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

**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	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1003429
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	42° 26' 52.5" N-
	Longitude (NAD83)	083° 10' 23.1" W-
	Overall Structure Height	1086.93 feet
	Support Structure Height	1012.13 feet
	Ground Elevation Above Mean Sea Level (AMSL)	662.07 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Tower, LLC
Date Constructed	06/11/1999

**FM, AM or TV radio
broadcasters. Facility ID's,
Call Signs and Services of
other broadcast stations with
whom the tower is shared**

Facility ID	Call Sign	Service
74211	WMYD	DTV
72123	WWJ-TV	DTV
6056	WRCJ-FM	FM

Other Types of Users

Users
T-Mobil
W232CA
W268CN
W224CC
W292DK
WHNE-LD

**Primary
Tower**

Tower Modification Costs

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

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

Information not provided.

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	690
	Explanation	Project management fees charged by tower owner
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes

	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Site Coordination meeting	Coordination meeting of tenants tower owner and all contractors and vendors involved with the deliveries and construction. Travel and Logistical expenses incurred
RF System Test	RF System Test

Other Expenses

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

**Other
Expenses**

Other Expenses Not Listed

Name	Description
tower owner permits	Permits for combiner room electrical and construction permits
Employee time	Employee's time spent working on paperwork accounting, transmitter work, and supervision
Interim antenna connection	Coax, switches, forward/reverse power meters to interconnect with interim antenna
Interim antenna tower lease	Tower rental space for interim antenna
Lift equipment rental	fork lift and/or crane for lifting heavy equipment
Site Security	Due to high value equipment stored outside additional security measures needed

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
Primary Transmitter ULXTE-60	\$1,769,559.37	\$1,239,103.64		\$1,089,041.63	
10 ton Heating and cooling unit	<i>\$19,219.00</i>	\$19,219.00	see Justifying Quote WTVS Kropf Mechanical Service Company	\$19,219.00	N/A
HVAC ice shield	<i>\$1,500.00</i>	\$1,500.00	American tower charge	\$0.00	N/A
Other -- Building Addition Size: 1500.0	<i>\$8,399.27</i>	\$8,399.27	see Estimated Cost Justification WTVS-110-1st Primary Transmitter - Building Addition, 1,500 sq. ft. v0	\$6,524.42	N/A
10 Ton system	\$38,900.00	\$15,864.00	Replace 5 ton unit with 10 ton unit due to increased heat load of transmitter Available wall space will not support 2 5 ton units	\$0.00	N/A

Other Electrical Service: Generator replacement Electrical installation for Transmitter	\$127,500.00	\$127,500.00	Electrical costs for 230KW generator and installation replacement due to inadequate power for new transmitter also transmitter electrical installation and decommissioning cost	\$109,308.67	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$1,667.00	American tower charge	\$624.84	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$14,987.00	Please see attached WTVS Transformer Revision Justification Letter	\$7,493.50	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$6,050.00	American tower charge	\$0.00	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,011,826.27	see Estimated Cost Justification WTVS-110-1st Primary Transmitter - UHF Liquid Cooled Solid State, 35-50 kW v0	\$928,896.76	N/A
Internal Transmission Line	\$576.00	\$576.00	Please see Primary Transmitter - Internal Transmission Line Revision Justification Cover Letter	\$576.00	N/A

Transmitter Electrical Installation	\$28,500.00	\$28,500.00	Please see attached WTVS Transmitter Electrical Installation Revision Justification Letter	\$14,250.00	N/A
electrical Sub panel	\$1,700.00	\$1,700.00	American Tower Charge	\$833.34	X
Transmitter Installation Costs	\$1,315.10	\$1,315.10	see Estimated Cost Justification WTVS-110-1st Primary Transmitter - Installation v0	\$1,315.10	N/A
Sub-total	\$1,769,559.37	\$1,239,103.64	N/A	\$1,089,041.63	N/A
Total for all systems	\$4,187,649.56	\$3,372,966.46	N/A	\$2,588,057.73	N/A

Components

Actual Information	
Description	File Name
10 ton Heating and cooling unit	<p>Component Description: Completed the installation of one</p> <p>Amount: \$19,219.00</p>
HVAC ice shield	Information not provided.

Other -- Building Addition Size: 1500.0	<table> <tr> <td data-bbox="692 174 1007 208">Component Description:</td><td data-bbox="1139 174 1358 322">CAPITAL CONTRIBUTION - DETROIT - OAK PARK</td></tr> <tr> <td data-bbox="692 338 807 371">Amount:</td><td data-bbox="1139 338 1257 371">\$2,730.82</td></tr> <tr> <td data-bbox="692 477 1007 510">Component Description:</td><td data-bbox="1139 477 1358 510">1/4" MIP X CLOSE</td></tr> <tr> <td data-bbox="692 517 807 551">Amount:</td><td data-bbox="1139 517 1222 551">\$43.60</td></tr> <tr> <td data-bbox="692 656 1007 689">Component Description:</td><td data-bbox="1139 656 1358 725">25% downpayment on component</td></tr> <tr> <td data-bbox="692 732 807 766">Amount:</td><td data-bbox="1139 732 1257 766">\$1,250.00</td></tr> <tr> <td data-bbox="692 871 1007 904">Component Description:</td><td data-bbox="1139 871 1358 1019">WTVS-110-1st Primary Transmitter - Building Addition, 1,500 sq. ft.</td></tr> <tr> <td data-bbox="692 1025 807 1059">Amount:</td><td data-bbox="1139 1025 1257 1059">\$2,500.00</td></tr> </table>	Component Description:	CAPITAL CONTRIBUTION - DETROIT - OAK PARK	Amount:	\$2,730.82	Component Description:	1/4" MIP X CLOSE	Amount:	\$43.60	Component Description:	25% downpayment on component	Amount:	\$1,250.00	Component Description:	WTVS-110-1st Primary Transmitter - Building Addition, 1,500 sq. ft.	Amount:	\$2,500.00
Component Description:	CAPITAL CONTRIBUTION - DETROIT - OAK PARK																
Amount:	\$2,730.82																
Component Description:	1/4" MIP X CLOSE																
Amount:	\$43.60																
Component Description:	25% downpayment on component																
Amount:	\$1,250.00																
Component Description:	WTVS-110-1st Primary Transmitter - Building Addition, 1,500 sq. ft.																
Amount:	\$2,500.00																
10 Ton system	Information not provided.																
Other Electrical Service: Generator replacement Electrical installation for Transmitter	<table> <tr> <td data-bbox="692 1272 1007 1305">Component Description:</td><td data-bbox="1139 1272 1358 1386">Remove and replace (1) 150 KW generator</td></tr> <tr> <td data-bbox="692 1393 807 1426">Amount:</td><td data-bbox="1139 1393 1273 1426">\$27,223.00</td></tr> <tr> <td data-bbox="692 1532 1007 1565">Component Description:</td><td data-bbox="1139 1532 1358 1646">Remove and replace (1) 150kw generator</td></tr> <tr> <td data-bbox="692 1653 807 1686">Amount:</td><td data-bbox="1139 1653 1273 1686">\$81,669.00</td></tr> <tr> <td data-bbox="692 1792 1007 1825">Component Description:</td><td data-bbox="1139 1792 1358 1861">25% deposit on component</td></tr> <tr> <td data-bbox="692 1868 807 1901">Amount:</td><td data-bbox="1139 1868 1235 1901">\$416.67</td></tr> </table>	Component Description:	Remove and replace (1) 150 KW generator	Amount:	\$27,223.00	Component Description:	Remove and replace (1) 150kw generator	Amount:	\$81,669.00	Component Description:	25% deposit on component	Amount:	\$416.67				
Component Description:	Remove and replace (1) 150 KW generator																
Amount:	\$27,223.00																
Component Description:	Remove and replace (1) 150kw generator																
Amount:	\$81,669.00																
Component Description:	25% deposit on component																
Amount:	\$416.67																

2" Rigid Conduit and Wiring (Cost per foot)	Component Description:	25% deposit for this component
	Amount:	\$208.34
	Component Description:	Broadcast Repack
	Amount:	\$416.50
Transformer 3 phase/480v - 150 KVA	Component Description:	Transformer
	Amount:	\$3,746.75
	Component Description:	Transmitter Replacement
	Amount:	\$3,746.75
Switchgear - industrial 800 amp	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description:	2nd PROGRESS INVOICE FOR THE TRANSMITTER REPLACEMENT PROJECT
	Amount:	\$7,392.79
	Component Description:	RIGID TRANSMISSION LINE - COPPER
	Amount:	\$618.75
	Component Description:	A. Transmitter
	Amount:	\$316,217.64
	Component Description:	CONTRACT AMOUNT
	Amount:	\$14,350.71

Component Description:	ULXTE-60 Transmitter
Amount:	\$185,777.41
Component Description:	Invoice moved to correct budget category
Amount:	N/A
Component Description:	Invoice moved to correct budget category
Amount:	N/A
Component Description:	Invoice moved to correct budget categories per NMI message.
Amount:	N/A
Component Description:	BPME6-UH, BPME 6-1/8" Flanged
Amount:	\$7,679.10
Component Description:	Transmitter
Amount:	\$80,602.03
Component Description:	Invoice moved to correct budget category
Amount:	N/A
Component Description:	ULXTE-60 Transmitter
Amount:	\$316,217.64

	Component Description:	Invoice moved to correct budget category
	Amount:	N/A
	Component Description:	Invoice moved to correct budget categories
	Amount:	N/A
	Component Description:	OTHER
	Amount:	\$40.69
Internal Transmission Line	Component Description:	Trans Line Assy.
	Amount:	\$576.00
Transmitter Electrical Installation	Component Description:	Electric Installation
	Amount:	\$7,125.00
	Component Description:	Electrical Installation
	Amount:	\$7,125.00
electrical Sub panel	Component Description:	WTVS-110-1st Primary Transmitter - Electrical Sub Panel
	Amount:	\$833.34

Transmitter Installation Costs		
	Component Description:	Installation
	Amount:	\$727.92
	Component Description:	Installation
	Amount:	\$77.16
	Component Description:	Installation
	Amount:	\$79.80
	Component Description:	Installation
	Amount:	\$26.60
	Component Description:	OXYGEN IND SZ
		300
	Amount:	\$403.62

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-24WB /VP	\$268,038.89	\$253,463.22		\$243,771.00	
combiner installation	\$15,962.33	\$15,962.33	see Estimated Cost Justification WTVS-280-Interim Antenna - Combiner Installation v0	\$15,962.33	a
Ice Shield for new Side-Mount Antenna Interim	\$744.81	\$744.81	Please see American Towers LLC Project Cost Estimation	\$744.81	N/A
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 7 3/16. feedline (if needed)	\$16,850.00	\$6,000.00	N/A	\$5,260.00	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$81,954.33	see Estimated Cost Justification WTVS-280-Interim Antenna - New Combiner v0	\$81,954.33	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,333.33	X
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 60 - 65 kW input, elliptically or circularly polarized	\$120,401.75	\$120,401.75	American Tower cost estimate and PO #13-1652	\$136,516.20	The actual amount reimbursed for invoice 460199507 is \$15,000 (not \$97,901.75)
Primary Antenna TFU-24GTH-VP-R 06	\$308,530.00	\$293,100.00		\$203,123.24	

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$275,000.00	N/A	\$186,590.24	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	\$10,773.00	N/A
Sub-total	\$576,568.89	\$546,563.22	N/A	\$446,894.24	N/A
Total for all systems	\$4,187,649.56	\$3,372,966.46	N/A	\$2,588,057.73	N/A

Components

Actual Information

Description	File Name
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combiner installation	<div> <div> Component Description: Amount: </div> <div> WTVS-280-Interim Antenna - Combiner Installation \$9,712.50 </div> </div> <div> <div> Component Description: Amount: </div> <div> WTVS-280-Interim Antenna - Combiner Installation \$4,166.50 </div> </div> <div> <div> Component Description: Amount: </div> <div> 25% downpayment on component \$2,083.33 </div> </div>
Ice Shield for new Side-Mount Antenna Interim	<div> <div> Component Description: Amount: </div> <div> WTVS-280-Interim Antenna - Ice Shield \$744.81 </div> </div>
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.

Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	<div> Component Description: WTVS-280-Interim Antenna - Elbow Complex, Broadband, 7 3/16" </div> <div> Amount: \$2,760.00 </div>
	<div> Component Description: 25% downpayment for compenent </div> <div> Amount: \$833.33 </div>
	<div> Component Description: WTVS-280-Interim Antenna - Elbow Complex, Broadband, 7 3/16" </div> <div> Amount: \$1,666.67 </div>
New combiner, cost per channel (without antenna)	<div> Component Description: WTVS-280-Interim Antenna - New Combiner </div> <div> Amount: \$24,454.16 </div>
	<div> Component Description: PARTIAL PAYMENT FOR NEW COMBINER </div> <div> Amount: N/A </div>
	<div> Component Description: WTVS-280-Interim Antenna - New Combiner </div> <div> Amount: \$38,333.50 </div>
	<div> Component Description: 25% downpayment on component </div> <div> Amount: \$19,166.67 </div>

Sweep test of existing antenna		
	Component Description:	WTVS-280-Interim Antenna - Sweep Test
	Amount:	\$833.16
	Component Description:	WTVS-280-Interim Antenna - Sweep Test
	Amount:	\$833.33
	Component Description:	WTVS-280-Interim Antenna - Sweep Test
	Amount:	\$1,666.84

UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 60 - 65 kW input, elliptically or circularly polarized		
	Component Description:	WTVS-280-Interim Antenna - UHF High Power Side Mount, E-POL
	Amount:	\$16,114.45
	Component Description:	CAPITAL CONTRIBUTION - DETROIT - OAK PARK T1 MI / 282678 / ASSET#282678-BT1 / OAA711327 / FID 1003429 / WTVS Channel 20 Phase 8 / MILESTONE 1 / BROADCAST REPACK / TAX ID: 65-0723837
	Amount:	\$97,901.75
	Component Description:	WTVS-280-Interim Antenna - UHF High Power Side Mount, E-POL
	Amount:	\$22,500.00
	Component Description:	PARTIAL PAYMENT ON UHF HIGH POWER SIDE MOUNT ANTENNA
	Amount:	N/A

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description:	UHF - High Power Top Mount
	Amount:	\$93,295.12
	Component Description:	UHF - High Power Top Mount
	Amount:	\$93,295.12
Sweep test of existing antenna	Component Description:	WTVS-210-Primary Antenna - Sweep Test
	Amount:	\$2,046.67
	Component Description:	25% downpayment on component
	Amount:	\$833.33
	Component Description:	WTVS-210-Primary Antenna - Sweep Test
	Amount:	\$2,880.00
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	WTVS-210-Primary Antenna - Elbow Complex, 6 1/8"
	Amount:	\$5,386.50
	Component Description:	WTVS-210-Primary Antenna - Elbow Complex, 6 1/8"
	Amount:	\$5,386.50

Cost
Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$331,335.00	\$123,668.30		\$123,668.30	
Rigid Transmission Line - copper, 7 3 /16" broadband	\$331,335.00	\$123,668.30	see Estimated Cost Justification WTVS-380- Interim Transmission Line - Rigid, Copper, 7 3_16 v0	\$123,668.30	N/A
Primary Transmission Line	\$242,400.00	\$230,400.00		\$176,171.62	
Rigid Transmission Line - copper, 6 1/8"	\$242,400.00	\$230,400.00	N/A	\$176,171.62	N/A
Sub-total	\$573,735.00	\$354,068.30	N/A	\$299,839.92	N/A
Total for all systems	\$4,187,649.56	\$3,372,966.46	N/A	\$2,588,057.73	N/A

Components

Actual Information Description	File Name
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Rigid Transmission Line - copper, 7 3/16" broadband	Component Description:	WTVS-380-Interim Transmission Line - Rigid, Copper, 7 3 /16"
	Amount:	\$44,913.05
	Component Description:	PARTIAL PAYMENT FOR RIGID TRANSMISSION LINE
	Amount:	\$26,251.75
	Component Description:	WTVS-380-Interim Transmission Line - Rigid, Copper, 7 3 /16"
	Amount:	\$52,503.50
Rigid Transmission Line - copper, 6 1/8"	Component Description:	WTVS-310-Primary Transmission Line - Rigid, Copper, 6 1 /8"
	Amount:	\$88,085.81
	Component Description:	WTVS-310-Primary Transmission Line - Rigid, Copper, 6 1 /8"
	Amount:	\$88,085.81

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
Primary Tower	\$838,027.50	\$807,727.50		\$520,423.30	
GTOWER					
Tower Helicopter Lift	<i>\$232,727.50</i>	\$232,727.50	Please see attached Dielectric Change Order 169750 and WTVS PO 13-1727	\$209,463.74	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	N/A	\$292,192.90	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$4,166.66	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	\$14,600.00	Please remove \$14,600 entry for Tower Mapping & Structural Engineering as FCC did not like two invoices attached in one request.
Sub-total	\$838,027.50	\$807,727.50	N/A	\$520,423.30	N/A

Total for all systems	\$4,187,649.56	\$3,372,966.46	N/A	\$2,588,057.73	N/A
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Components

Actual Information	
Description	File Name
Tower Helicopter Lift	
	Component Description: Other
	Amount: \$104,731.87
	Component Description: Other
	Amount: \$104,731.87

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)

Component Description:

WTVS-410-
Existing Primary
Tower - Tower
Rigging, Complex
Tower

Amount:

\$28,816.66

Component Description:

WTVS-410-
Existing Primary
Tower - Tower
Rigging, Complex
Tower

Amount:

\$106,363.12

Component Description:

WTVS-410-
Existing Primary
Tower - Tower
Rigging, Complex
Tower

Amount:

\$27,500.00

Component Description:

25% downpayment
on component

Amount:

\$13,750.00

Component Description:

Tower Permit
Drawing Package

Amount:

\$9,400.00

Component Description:

WTVS-410-
Existing Primary
Tower - Tower
Rigging, Complex
Tower

Amount:

\$106,363.12

Minor tower reinforcement /modifications	<div> Component Description: WTVS-410-Existing Primary Tower - Minor Tower Reinforcement /Modifications </div> <div> Amount: \$1,166.66 </div>
	<div> Component Description: 25% downpayment on component </div> <div> Amount: \$1,000.00 </div>
	<div> Component Description: WTVS-410-Existing Primary Tower - Minor Tower Reinforcement /Modifications </div> <div> Amount: \$2,000.00 </div>
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	<div> Component Description: Broadcast structural </div> <div> Amount: \$6,333.00 </div> <div> Component Description: Broadcast Tower Mapping Detroit OakPark Broadcast Repack Line 2 </div> <div> Amount: \$8,267.00 </div> <div> Component Description: TOWER MAPPING & STRUCTURAL ENGINEERING </div> <div> Amount: N/A </div>

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	\$182,430.00	\$178,725.00		\$101,284.63	
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	\$407.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	N/A

Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,800.00	see Estimated Cost Justification WTVS-590-Transition Timing and Coordination v0	\$2,800.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,707.75	N/A
Project management of the transition	\$109,020.00	\$109,175.00	Quote Widelity Project Management and ATC PO 13-1647 permit filing services	\$86,596.05	N/A
RF System Test	\$5,000.00	\$5,000.00	Please see American Towers LLC Project Cost Estimation	\$3,333.33	N/A
Site Coordination meeting	\$2,500.00	\$2,500.00	N/A	\$2,500.00	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	\$2,500.00	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	\$300.00	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$90.00	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	\$1,050.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Sub-total	\$182,430.00	\$178,725.00	N/A	\$101,284.63	N/A
Total for all systems	\$4,187,649.56	\$3,372,966.46	N/A	\$2,588,057.73	N/A

Components

Actual Information	
Description	File Name
ASR modification (prepare FCC Form 854)	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.

<p>Attorney Fees - Negotiation of lease and other matters for shared locations</p>	<table> <tr> <td data-bbox="707 174 1010 208">Component Description:</td><td data-bbox="1147 174 1348 286">Television Repacking Services - WTVS</td></tr> <tr> <td data-bbox="707 297 815 331">Amount:</td><td data-bbox="1147 297 1230 331">\$60.00</td></tr> <tr> <td data-bbox="707 439 1010 472">Component Description:</td><td data-bbox="1147 439 1335 551">Television Repacking Services-WTVS</td></tr> <tr> <td data-bbox="707 562 815 595">Amount:</td><td data-bbox="1147 562 1230 595">\$90.00</td></tr> <tr> <td data-bbox="707 703 1010 736">Component Description:</td><td data-bbox="1147 703 1335 770">Invoice for legal services</td></tr> <tr> <td data-bbox="707 781 815 815">Amount:</td><td data-bbox="1147 781 1230 815">\$90.00</td></tr> <tr> <td data-bbox="707 922 1010 956">Component Description:</td><td data-bbox="1147 922 1348 1068">Legal Services - Television Repacking Services - WTVS</td></tr> <tr> <td data-bbox="707 1079 815 1113">Amount:</td><td data-bbox="1147 1079 1230 1113">\$77.50</td></tr> <tr> <td data-bbox="707 1220 1010 1254">Component Description:</td><td data-bbox="1147 1220 1348 1344">Television Repacking Services - WTVS</td></tr> <tr> <td data-bbox="707 1355 815 1388">Amount:</td><td data-bbox="1147 1355 1230 1388">\$90.00</td></tr> </table>	Component Description:	Television Repacking Services - WTVS	Amount:	\$60.00	Component Description:	Television Repacking Services-WTVS	Amount:	\$90.00	Component Description:	Invoice for legal services	Amount:	\$90.00	Component Description:	Legal Services - Television Repacking Services - WTVS	Amount:	\$77.50	Component Description:	Television Repacking Services - WTVS	Amount:	\$90.00
Component Description:	Television Repacking Services - WTVS																				
Amount:	\$60.00																				
Component Description:	Television Repacking Services-WTVS																				
Amount:	\$90.00																				
Component Description:	Invoice for legal services																				
Amount:	\$90.00																				
Component Description:	Legal Services - Television Repacking Services - WTVS																				
Amount:	\$77.50																				
Component Description:	Television Repacking Services - WTVS																				
Amount:	\$90.00																				
<p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>																				
<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Information not provided.</p>																				

Address transition timing and coordination issues w/ other stations and wireless	Component Description: Amount:	WTVS-590- Transition Timing and Coordination \$2,500.00
	Component Description: Amount:	Legal Services \$300.00
Prepare and or review reimbursement form	Component Description: Amount:	Legal services \$90.00
	Component Description: Amount:	Legal services to prepare and review reimbursement form in addition to review & filing reports \$1,617.75
Project management of the transition	Component Description: Amount:	Project Management \$2,590.10
	Component Description: Amount:	Project Management \$8,134.35
	Component Description: Amount:	project management \$1,152.50
	Component Description: Amount:	Project Management \$4,210.05

Component Description:	project management
Amount:	\$4,293.90

Component Description:	Project management
Amount:	\$3,287.90

Component Description:	Project Management
Amount:	\$4,221.70

Component Description:	Project Management
Amount:	\$2,962.90

Component Description:	Project Management
Amount:	\$2,802.70

Component Description:	WTVS-510-Project Management
Amount:	\$1,250.00

Component Description:	Project Management
Amount:	\$3,642.90

Component Description:	Project Management
Amount:	\$2,411.75

Component Description:	25% downpayment for work being done by American Tower
Amount:	\$1,250.00

Component Description:	Project Management
Amount:	\$4,064.85

Component Description:	Project Management
Amount:	\$3,779.45

Component Description:	Project management
Amount:	\$3,512.30

Component Description:	Project Management
Amount:	\$5,909.75

Component Description:	Project Management
Amount:	\$2,591.50

Component Description:	Please deny this component
Amount:	N/A

Component Description:	WTVS-510-Project Management
Amount:	\$2,500.00

Component Description:	CONSULTING WORK WITH STAFF TO CREATE A REPACK FACT SHEET.
Amount:	\$450.00

	Component Description: Amount:	Project Management \$4,760.70
	Component Description: Amount:	PO Line 1 - NTP Billable - Project Mgmt \$9,480.00
	Component Description: Amount:	Project Management \$3,166.55
	Component Description: Amount:	Project Management \$4,170.20
RF System Test	Component Description: Amount:	WTVS-590-RF System Test \$3,333.33
Site Coordination meeting	Component Description: Amount:	WTVS-590-Site Coordination Meeting \$625.00
	Component Description: Amount:	WTVS-590-Site Coordination Meeting \$1,250.00
	Component Description: Amount:	25% downpaymaent for this component \$625.00

RF Exposure Measurements	<div> <div> Component Description: </div> <div> 25% down payment for component </div> </div> <div> Amount: </div> <div> \$833.33 </div>
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	<div> <div> Component Description: </div> <div> WTVS-580-Field Engineering Service - Rf Exposure Measurements </div> </div> <div> Amount: </div> <div> \$1,666.67 </div>
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<div> <div> Component Description: </div> <div> FCC repack Review of WTVS 399 </div> </div> <div> Amount: </div> <div> \$75.00 </div>
Prepare request for Special Temporary Authorization	<div> <div> Component Description: </div> <div> FCC repack: Analysis of WTVS impact </div> </div> <div> Amount: </div> <div> \$225.00 </div>
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	<div> <div> Component Description: </div> <div> Television Repacking Services </div> </div> <div> Amount: </div> <div> \$90.00 </div>
Prepare request for Special Temporary Authorization	<div> <div> Component Description: </div> <div> Preparation of STA Application for Operation </div> </div> <div> Amount: </div> <div> \$1,050.00 </div>
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.

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$247,328.80	\$246,778.80		\$130,574.01	
tower owner permits	<i>\$750.00</i>	\$750.00	N/A	\$750.00	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	N/A	\$1,250.00	N/A
Develop and air announcement of upcoming channel change	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Local Zoning	<i>\$10,000.00</i>	\$10,000.00	Permits and inspections	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,750.00	N/A
Lift equipment rental	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A

Interim antenna tower lease	\$65,148.39	\$65,148.39	American Tower cost estimate; DPTV WTVS-610-Interim Antenna Tower Lease Budget Increase Justification	\$57,600.00	N/A
Interim antenna connection	\$29,799.31	\$29,799.31	Please see Estimated Cost Justification WTVS-610-Interim Antenna Connection v0	\$29,799.31	N/A
Employee time	\$75,081.10	\$75,081.10	See Attachment	\$34,544.70	Please remove this component. It was resubmitted under outside professional services for repack
Equipment Storage	\$8,000.00	\$8,000.00	Outdoor covered storage for equipment and parts	\$2,880.00	N/A
Site Security	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Sub-total	\$247,328.80	\$246,778.80	N/A	\$130,574.01	N/A
Total for all systems	\$4,187,649.56	\$3,372,966.46	N/A	\$2,588,057.73	N/A

Components

Actual Information		
Description	File Name	
tower owner permits	Component Description: Amount:	Building permit \$750.00
MVPD Notification of Channel Change	Component Description: Amount:	WTVS-610-MVPD Notification \$1,250.00
Develop and air announcement of upcoming channel change	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Local Zoning	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Medical Notification \$3,750.00
Lift equipment rental	Information not provided.	
Interim antenna tower lease	Component Description: Amount:	WTVS-610-Interim Antenna Tower Lease \$14,400.00
	Component Description: Amount:	WTVS-610-Interim Antenna Tower Lease \$28,800.00
	Component Description: Amount:	25% downpayment on this component \$14,400.00

Interim antenna connection

Component Description:	18-8 stainless steel hex head screw
Amount:	\$66.89
Component Description:	50 Ohm 2 Way N Power Divider from 500 MHz to 1,000 MHz rated at 10 watts
Amount:	\$151.66
Component Description:	#2 Acid brush 1/2" x 6"
Amount:	\$105.00
Component Description:	50 Ohm 2 Way N Power Divider From 500 MHz to 1,000 MHz Rated at 10 watts
Amount:	\$583.04
Component Description:	Hoist block and tackle
Amount:	\$58.29
Component Description:	Hot-water hose, medium-pressure
Amount:	\$111.66
Component Description:	BPME4M-UH BPME 4-1/16" Flanged
Amount:	\$7,032.75

Component Description:	Insulator Conductor Adapter 4 1/16" Thin-Stand
Amount:	\$336.84

Component Description:	N Male Right Angle to N Male Right Angle Cable Using LMR-400 Coax and Times Connectors
Amount:	\$875.12

Component Description:	Switch WR1500 H Plane 115 VAC 60000 SER
Amount:	\$20,095.80

Component Description:	Interim antenna connection
Amount:	\$315.53

Component Description:	Clevis Hanger 1 1 /4 IN. 215LB Max Load
Amount:	\$66.73

Employee time	Component Description: Project Management Amount: \$5,558.54
	Component Description: Employee Time Amount: \$5,822.18
	Component Description: review and submit form 399 Amount: \$18,267.01
	Component Description: Project Management Amount: \$4,896.97
	Component Description: this component should be removed Amount: \$450.00
Equipment Storage	Component Description: WTVS-610-Equipment Storage Amount: \$1,440.00
	Component Description: WTVS-610-Equipment Storage Amount: \$1,440.00
Site Security	Information not provided.

**Cost
Information**

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,187,649.56	\$3,372,966.46	\$2,588,057.73

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"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

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

<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>William Carignan <i>Controller</i></p> <p>06/18/2020</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

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

<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>William Carignan <i>Controller</i></p> <p>06/18/2020</p>

Attachments