

(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 **04/30**

Submitted: /2021

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 Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
John Mark VP Engineering Detroit Educational Television Foundation	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

s 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
	Туре	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
	Туре	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 leashold 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
electrical Sub panel	power distribution for new combiner room
Transmitter Installation Costs	Transmitter Installation Costs
HVAC ice shield	protection for external portion of HVAC
Primary Transmitter - Other Parts	Primary Transmitter - Other Parts

10 ton Heating and cooling unit	antenna combiner room heating and cooling
Transmitter Electrical Installation	Engineering, planning, and installation labor for transmitter electrical components as required due to the repack

Antennas

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

Existing Antenna Information

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

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	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	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

Other Antenna Costs

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

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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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
		-

Year 2018	
Luctification for New Antonna	
Justification for New Antenna Candelab 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
	Туре	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?	В
	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 ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

n Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1200 feet per run

Primary Transmission

New Transmission Line

on Line Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	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 tion not provided.

Interim

New Transmission Line

Transmissio	n Line Section	Question	Response
New Transmission Line Costs		Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	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	

Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Existing Tower Description	Type of change Tower Use Description of Use Ownership	Modify Existing Primary (Main) N/A
Description	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	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1003429
Coordinates (NAD83 (Latitude (NAD83)	42° 26' 52.5" N-
North American Datum of 1983))	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
6056	WRCJ-FM	FM
72123	WWJ-TV	DTV
74211	WMYD	DTV

Other Types of Users

Users	
T-Mobil	
W232CA	
W268CN	
W224CC	
W292DK	
WHNE-LD	

Primary Tower

Tower Modification Costs

Section	Question	Response

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

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

Section	Question	Response
al Services Costs 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
		1

	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 Professiona

Other Professional Services Expenses Not Listed

al	Services Costs	Description
	RF System Test	RF System Test
	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

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?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Name	Description
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
tower owner permits	Permits for combiner room electrical and construction permits
Internal Labor	Internal Labor related to repack expenses
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

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 C
Primary Transmitter ULXTE-60	\$1,736,429.21	\$1,146,396.21		\$1,144,148.46	
HVAC ice shield	\$0.00	\$0.00	American tower charge	\$0.00	N/A
Other Building Addition Size: 1500.0	\$6,600.00	\$6,600.00	see Estimated Cost Justification WTVS-110-1st Primary Transmitter - Building Addition, 1,500 sq. ft. v0	\$6,524.42	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$7,500.00	Please see attached WTVS Transformer Revision Justification Letter	\$7,493.50	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$1,300.00	American tower charge	\$1,297.34	N/A
10 Ton system	\$38,900.00	\$0.00	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	\$109,309.00	\$109,309.00	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
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$980,350.00	actual cost	\$980,346.22	N/A
Transmitter Electrical Installation	\$14,400.00	\$14,400.00	Please see attached WTVS Transmitter Electrical Installation Revision Justification Letter	\$14,321.94	N/A
Primary Transmitter - Other Parts	\$1,408.00	\$1,408.00	actual cost incurred	\$1,407.31	see submitte invoice
10 ton Heating and cooling unit	\$19,219.00	\$19,219.00	see Justifying Quote WTVS Kropf Mechanical Service Company	\$19,219.00	N/A
Transmitter Installation Costs	\$2,367.21	\$2,367.21	see Estimated Cost JustificationWTVS- 110-1st Primary Transmitter - Installation V1	\$2,195.88	N/A
electrical Sub panel	\$1,700.00	\$1,700.00	American Tower Charge	\$833.34	Х

Internal Transmission	\$576.00	\$576.00	Please see Primary	\$576.00	N/A
Line			Transmitter -		
			Internal		
			Transmission Line		
			Revision		
			Justification		
			Cover Letter		
2" Rigid	\$5,200.00	\$1,667.00	American tower	\$624.84	N/A
Conduit and			charge		
Wiring (Cost					
per foot)					
Sub-total	\$1,736,429.21	\$1,146,396.21	N/A	\$1,144,148.46	N/A
Total for all systems	\$4,171,261.68	\$2,923,302.31	N/A	\$2,865,859.97	N/A

Components

Actual Information Description	File Name
HVAC ice shield	Information not provided.

Component Description:	25% downpayment
Amount	on component \$1,250.00
Amount:	\$1,250.00
Component Description: Amount:	1/4" MIP X CLOSE \$43.60
Component Description:	CAPITAL CONTRIBUTION - DETROIT - OAK PARK
Amount:	\$2,730.82
Component Description:	WTVS-110-1st Primary Transmitter - Building Addition,
Amount:	1,500 sq. ft. \$2,500.00
Component Description: Amount:	Transformer \$3,746.75
Component Description:	Transmitter Replacement
Amount:	\$3,746.75
Component Description:	Cable DSC to W/G
Amount:	Switch 80 FT \$1,297.34
Information not provided.	
	Amount: Component Description: Amount: Component Description: Amount: Component Description: Amount: Component Description: Amount: Component Description: Amount:

Other Electrical Service: Generator replacement Electrical installation for Transmitter

Component Description: Remove and

replace (1) 150kw

generator

Amount: \$81,669.00

Component Description: Moving credit to

disposal cost category as

instructed. Please reject this line item.

Amount: N/A

Component Description: Remove and

replace (1) 150 KW

generator

Amount: \$27,223.00

Component Description: 25% deposit on

component \$416.67

Amount:

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW

Component Description:

Amount:

Transmitter

\$51,449.46

Component Description:

Amount:

Transmitter \$80,602.03

Component Description: RIGID

TRANSMISSION LINE - COPPER

\$618.75

Component Description:

Amount:

Amount:

A. Transmitter

\$316,217.64

Component Description: CONTRACT

AMOUNT \$14,350.71

Amount: \$14,350.7

Component Description: ULXTE-60

Transmitter

Amount: \$185,777.41

Component Description: BPME6-UH, BPME

6-1/8" Flanged

Amount: \$7,679.10

Component Description: 2nd PROGRESS

INVOICE FOR THE TRANSMITTER REPLACEMENT

PROJECT

Amount: \$7,392.79

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

N/A

Component Description: Invoice moved to

correct budget

category

Amount: N/A

Amount:

Component Description: Invoice moved to

> correct budget categories per NMI

message.

Amount: N/A

Component Description: Invoice moved to

correct budget

category

Amount: N/A

Component Description: OTHER

Amount: \$40.69

Component Description: Invoice moved to

correct budget

category

Amount: N/A

Transmitter Electrical Installation

Component Description:

Amount:

Electrical Installation

\$7,125.00

Component Description:

Amount:

Electric Installation

\$7,125.00

Component Description: Universal Computer

Power Cord

\$71.94 Amount:

Primary Transmitter - Other Parts		B
	Component Description: Amount:	Deluxe D-Sub Cable \$28.76
	Component Description:	supply costs for the
		installation of the primary transmitter
	Amount:	\$681.87
	Component Description:	supply costs
		needed for installation of
		primary transmitter
	Amount:	\$683.54
	Component Description:	Male to Female
	Component Bosonphism	Straight - Through
		Extension Cable
	Amount:	\$13.14
0 ton Heating and coolin	g	
ınit	Component Description:	Completed the
		installation of one
	Amount:	\$19,219.00

Transmitter Installation Costs

Component Description:

Amount:

Installation \$727.92

Component Description:

Amount:

Installation

\$77.16

Component Description:

Amount:

Installation

\$79.80

Component Description:

Amount:

HAMMER SET

\$35.24

Component Description:

Amount:

Installation

\$26.60

Component Description: WTVS-110-1st

Primary Transmitter

- Installation

Amount: \$335.00

Component Description: OXYGEN IND SZ

300

Amount: \$403.62

Component Description: COUPLING ASSY

Amount:

\$129.17

Component Description: ELBOW ASSY, 90"

Amount:

\$381.37

I and the second	
Component Description:	WTVS-110-1st Primary Transmitter - Electrical Sub
Amount:	Panel \$833.34
Component Description: Amount:	Trans Line Assy. \$576.00
Component Description:	25% deposit for this component
Amount:	\$208.34
Component Description:	Broadcast Repack \$416.50
	Amount: Component Description: Amount: Component Description: Amount:

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 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	а
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	Х
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	\$224,100.00		\$222,662.50	

UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$206,000.00	N/A	\$205,489.50	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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
Sub-total	\$576,568.89	\$477,563.22	N/A	\$466,433.50	N/A
Total for all systems	\$4,171,261.68	\$2,923,302.31	N/A	\$2,865,859.97	N/A

Components

Actual Information		
Description	File Name	

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

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

Component Description:

Amount:

25% downpayment

on component \$19,166.67 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: 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: WTVS-280-Interim

Antenna - UHF High Power Side Mount,

E-POL

Amount: \$16,114.45

Component Description: PARTIAL

PAYMENT ON UHF HIGH POWER SIDE MOUNT ANTENNA

NI/A

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 \$93,295.12

Amount: \$9

Component Description: UHF - High Power

Top Mount

Amount: \$93,295.12

Component Description: Installation of a

Dielectric TFU 24 GTH Top Mount Antenna with 1100 FT of 6 inch 50 OHM line.

Amount: \$18,899.26

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

Sweep test	of existing
antenna	

Component Description: WTVS-210-Primary

Antenna - Sweep

Test

Amount: \$640.00

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

Cost Information

Transmission Line

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

Description Interim Transmission Line	Predetermined Cost Estimate \$331,335.00	Estimated Cost \$123,668.30	Estimated Cost Justification	Actual Cost \$123,668.30	Actual Cost Justification
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	\$182,000.00		\$181,526.54	
Rigid Transmission Line - copper, 6 1/8"	\$242,400.00	\$182,000.00	N/A	\$181,526.54	N/A
Sub-total	\$573,735.00	\$305,668.30	N/A	\$305,194.84	N/A
Total for all systems	\$4,171,261.68	\$2,923,302.31	N/A	\$2,865,859.97	N/A

Components

Actual Information	
Description	File Name

Rigid Transmission Line - copper, 7 3/16" broadband

Component Description: WTVS-380-Interim

Transmission Line -

Rigid, Copper, 7 3

/16"

Amount: \$52,503.50

Component Description: PARTIAL

PAYMENT FOR

RIGID

TRANSMISSION

LINE

Amount: \$26,251.75

Component Description: WTVS-380-Interim

Transmission Line -

Rigid, Copper, 73

/16"

Amount: \$44,913.05

Rigid Transmission Line copper, 6 1/8" **Component Description:** WTVS-310-Primary Transmission Line -Rigid, Copper, 61 /8" \$88,085.81 Amount: **Component Description:** Transition WR1500 X 6-50 CH20 Amount: \$2,300.00 **Component Description:** WTVS-310-Primary Transmission Line -Rigid, Copper, 6 1/8" Amount: \$3,054.92 **Component Description:** WTVS-310-Primary Transmission Line -Rigid, Copper, 61

Amount:

/8"

\$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 GTOWER	\$911,367.50	\$642,067.50		\$640,663.29	
Minor tower reinforcement /modifications	\$158,000.00	\$5,000.00	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	\$15,000.00	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.
Tower Helicopter Lift	\$306,067.50	\$306,067.50	see Estimated Cost Justification WTVS-410- Exisng Primary Tower - Helicopter Lift V1	\$306,067.48	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$316,000.00	N/A	\$315,829.15	N/A

Sub-total	\$911,367.50	\$642,067.50	N/A	\$640,663.29	N/A
Total for all systems	\$4,171,261.68	\$2,923,302.31	N/A	\$2,865,859.97	N/A

Components

Actual Information Description	File Name	
Minor tower reinforcement /modifications	Component Description:	25% downpayment on component \$1,000.00
	Component Description:	WTVS-410- Existing Primary Tower - Minor Tower Reinforcement /Modifications
	Amount:	\$1,166.66
	Component Description:	WTVS-410- Existing Primary Tower - Minor Tower Reinforcement /Modifications
	Amount:	\$2,000.00

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study

Component Description:

Amount:

Broadcast structural

\$6,333.00

N/A

Component Description:

TOWER MAPPING & STRUCTURAL

ENGINEERING

Amount:

Component Description: Broadcast Tower

Mapping Detroit
OakPark Broadcast

Repack Line 2

Amount: \$8,267.00

Tower Helicopter Lift

Component Description:

Amount:

Other

\$104,731.87

Component Description:

Amount:

Other

\$104,731.87

Component Description: Install Services

Additional Dollars added for the install to be a helicopter lift (Antenna order 1697850)

Amount: \$23,273.74

Component Description: WTVS-410-

Existing Primary
Tower - Helicopter

Lift

Amount: \$73,330.00

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

antennas)

Component Description: Tower Permit

Drawing Package

Amount: \$9,400.00

Component Description: WTVS-410-

Existing Primary
Tower - Tower
Rigging, Complex

Tower

Amount: \$23,636.25

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: \$28,816.66

Component Description: WTVS-410-

Existing Primary
Tower - Tower
Rigging, Complex

Tower

Amount: \$106,363.12

Component Description: 25% downpayment

on component

Amount: \$13,750.00

Component Description: WTVS-410-

Existing Primary
Tower - Tower
Rigging, Complex

Tower

Amount: \$27,500.00

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 Co
Outside Professional Services	\$180,930.00	\$167,126.00		\$162,583.38	
RF System Test	\$3,500.00	\$3,500.00	Please see American Towers LLC Project Cost Estimation	\$3,333.33	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$500.00	N/A	\$300.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$1,000.00	N/A	\$827.20	N/A
Site Coordination meeting	\$2,500.00	\$2,500.00	N/A	\$2,500.00	N/A
RF Exposure Measurements	\$21,050.00	\$2,500.00	N/A	\$2,500.00	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$0.00	N/A	N/A	N/A

Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$1,100.00	N/A	\$1,073.10	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$563.20	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$1,000.00	N/A	\$903.40	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$1,100.00	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	\$150.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$0.00	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 Justfication 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	\$144,876.00	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$144,875.40	per submitted invoices
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$0.00	N/A	N/A	N/A
Sub-total	\$180,930.00	\$167,126.00	N/A	\$162,583.38	N/A
Total for all systems	\$4,171,261.68	\$2,923,302.31	N/A	\$2,865,859.97	N/A

Components

Actual Information Description	File Name	
RF System Test		
	Component Description:	WTVS-590-RF System Test
	Amount:	\$3,333.33

FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Component Description: Amount:	FCC repack Review of WTVS 399 \$75.00
	Component Description:	FCC repack: Analysis of WTVS impact
	Amount:	\$225.00
Attorney Fees - Prepare and File request for	Component Description:	WTVS-550-
Special Temporary	Component Description.	Attorney - Special
Authorization		Temporary
		Authorization
	Amount:	\$827.20
Site Coordination meeting		
	Component Description:	WTVS-590-Site
		Coordination
		Meeting
	Amount:	\$625.00
	Component Description:	25%
		downpaymaent for
		this component
	Amount:	\$625.00
	Component Description:	WTVS-590-Site
		Coordination
		Meeting

RF Exposure		
Measurements	Component Description:	WTVS-580-Field
		Engineering
		Service - Rf
		Exposure
		Measurements
	Amount:	\$1,666.67
		V 1,00000
	Component Description:	25% down payment
		for component
	Amount:	\$833.33

ASR modification (prepare	Information not provided.	
FCC Form 854)		
Attorney Fees - Negotiation of lease and		
other matters for shared	Component Description:	Review, revise and
locations		file WTVS FCC 10
locations		Week Report. EMail
		communications
		regarding same.
	Amount:	\$102.40
	Component Description:	Television
		Repacking Services-
		WTVS
	Amount:	\$90.00
	Component Description:	Invoice for legal
		services
	Amount:	\$90.00
	Component Description:	Television
		Repacking Services
		- WTVS
	I and the second	V V I V U
	Amount:	\$60.00

Component Description: Finalize and file

Quarterly Transition

Report.

Amount: \$409.60

Component Description: Television

Repacking Services

- WTVS

Amount: \$90.00

Component Description: Legal Services -

Television

Repacking Services

- WTVS

Amount: \$77.50

Component Description: Review and file

FCC Transition Plan Progress Report. Email communications regarding same.

Amount: \$153.60

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application

Component Description: WTVS-550-

Attorney - License

to Cover

Application (Main)

Amount: \$563.20

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	Television Repacking Services- WTVS
	Amount:	\$813.40
	Component Description:	Television
	Amount:	Repacking Services \$90.00
Prepare request for		
Special Temporary Authorization	Component Description:	Preparation of STA Application for Operation
	Amount:	\$1,050.00
Prepare engineering section of FCC Form 2100	Component Description:	Preparation of
main), License to Cover Application	Amount:	Application \$150.00
Prepare engineering section of FCC Form 2100 main), Construction Permit Application	Information not provided.	
Address transition timing and coordination issues w/		
other stations and wireless	Component Description: Amount:	Legal Services \$300.00
	Component Description:	WTVS-590- Transition Timing and Coordination
	Amount:	\$2,500.00

Prepare and or review reimbursement form **Component Description:** Legal services to prepare and review reimbursement form in addition to review & filing reports \$1,617.75 Amount: **Component Description:** Legal services **Amount:** \$90.00 Project management of the transition **Component Description:** Project Management **Amount:** \$3,642.90 **Component Description:** Project Management \$4,429.10 **Amount: Component Description:** Project management \$6,397.90 Amount: **Component Description: Project** management Amount: \$8,295.55 **Component Description: Project** Management \$3,779.45 Amount: **Component Description:** Project Management

Amount:

\$2,591.50

Management

Amount: \$8,564.20

Component Description: Project

Management

Amount: \$2,590.10

Component Description: Project

Management

Amount: \$4,831.85

Component Description: Project

Management

Amount: \$3,526.25

Component Description: project

management

Amount: \$1,152.50

Component Description: Project

Management

Amount: \$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

Management

Amount: \$6,305.85

Component Description: Project

Management

Amount: \$2,962.90

Component Description: Project

Management

Amount: \$1,020.00

Component Description: 25% downpayment

for work being done by American Tower

Amount: \$1,250.00

Component Description: Project

Management

Amount: \$8,134.35

Component Description: Project

Management

Amount: \$2,802.70

Component Description: Project

Management

Amount: \$6,813.90

Component Description: Project

Management

Amount: \$3,887.45

Component Description: Project

Management

Amount: \$5,909.75

Management

Amount: \$4,207.30

Component Description: Project

Management

Amount: \$4,064.85

Component Description: PO Line 1 - NTP

Billable - Project

Mgmt

Amount: \$9,480.00

Component Description: Project

Management

Amount: \$4,760.70

Component Description: Project

Management

Amount: \$3,166.55

Component Description: CONSULTING

WORK WITH STAFF TO CREATE A REPACK FACT

SHEET.

Amount: \$450.00

Component Description: Project

Management

Amount: \$4,170.20

Component Description: WTVS-510-Project

Management

Amount: \$2,500.00

Management

Amount: \$2,411.75

Component Description: Please deny this

component

Amount: N/A

Component Description: Project

management

Amount: \$3,512.30

Component Description: WTVS-510-Project

Management

Amount: \$1,250.00

Perform engineering study for new channel assignment and antenna development 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	\$192,231.08	\$184,481.08		\$146,836.50	
Employee time	\$60,000.00	\$60,000.00	See Attachment	\$59,327.38	Please remove this component. It was resubmitted under outside professional services for repack
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
Internal Labor	\$274.50	\$274.50	Please see WTVS Internal Labor Budget Justification Cover Letter	\$274.50	N/A
tower owner permits	\$750.00	\$750.00	N/A	\$750.00	N/A
Lift equipment rental	\$0.00	\$0.00	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
Disposal Costs (for equipment and other waste, net of any salvage value)	\$0.00	\$0.00	N/A	(\$28,444.03)	N/A
Local Zoning	\$0.00	\$0.00	Permits and inspections	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$3,800.00	N/A	\$3,750.00	N/A
Site Security	\$0.00	\$0.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	N/A	\$1,250.00	N/A
Develop and air announcement of upcoming channel change	\$0.00	\$0.00	N/A	N/A	N/A
Equipment Storage	\$9,510.00	\$9,510.00	See Estimated Cost Justification WTVS-610- Equipment Storage v0	\$9,510.00	N/A

Equipment Delivery and Handling Charges	\$13,198.88	\$13,198.88	Please see Estimated Cost Justification WTVS-610- Equipment Delivery and Handling V0	\$13,019.34	see submitted invoices
Sub-total	\$192,231.08	\$184,481.08	N/A	\$146,836.50	N/A
Total for all systems	\$4,171,261.68	\$2,923,302.31	N/A	\$2,865,859.97	N/A

Components

Actual Information	
Description	File Name

Employee time		
	Component Description:	Project
	Amount:	Management \$5,558.54
	Amount.	ψ0,000.04
	Component Description:	Employee Time
	Amount:	\$5,822.18
	Component Description:	WTVS labor
	Amount:	\$1,037.88
	Component Description:	In-House Labor
	Amount:	\$23,744.80
	Component Description:	this component
		should be removed
	Amount:	\$450.00
	Component Description:	Project
	Amount:	Management \$4,896.97
	Component Description:	review and submit
	Component Description.	form 399
	Amount:	\$18,267.01
nterim antenna connection		
	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

\$583.04 Amount:

Component Description: Hoist block and

tackle

Amount: \$58.29

Component Description: N Male Right

> Angle to N Male Right Angle Cable Using LMR-400 Coax and Times Connectors

Amount: \$875.12

Component Description: 18-8 stainless

steel hex head

screw

Amount: \$66.89

Component Description: Insulator

Conductor Adapter

4 1/16" Thin-Stand

Amount: \$336.84

Component Description: Hot-water hose,

medium-pressure

Amount: \$111.66

Component Description: Interim antenna

connection

Amount: \$315.53

	Component Description:	Clevis Hanger 1 1 /4 IN. 215LB Max
	Amount:	Load \$66.73
	Component Description:	BPME4M-UH BPME 4-1/16"
	Amount:	Flanged \$7,032.75
	Component Description:	Switch WR1500 H Plane 115 VAC
	Amount:	60000 SER \$20,095.80
Internal Labor		
	Component Description: Amount:	FCC Repack Travel expense \$274.50
tower owner permits		
	Component Description: Amount:	Building permit \$750.00
Lift equipment rental	Information not provided.	

Interim antenna tower lease WTVS-610-Interim **Component Description:** Antenna Tower Lease \$28,800.00 Amount: **Component Description:** 25% downpayment on this component Amount: \$14,400.00 **Component Description:** WTVS-610-Interim Antenna Tower Lease **Amount:** \$14,400.00 Disposal Costs (for equipment and other waste, **Component Description:** Refund from net of any salvage value) vendor for salvaged generator. **Amount:** (\$7,000.00)**Component Description:** Equipment use Fee Amount: \$58.82 **Component Description:** "Vendor Credit -WTVS/Detroit **Public Television** received \$15,626.00 for scrap copper from old transmission equipment."

Amount: (\$15,626.00)

Component Description: Roll Off Delivery Amount: \$98.68

Component Description: Refund check from

vendor for

generator salvage.

Amount: (\$7,000.00)

Component Description: ROLL OFF FINAL

PULL

Amount: \$392.88

Component Description: EQUIPMENT USE

FEE

Amount: \$58.82

Component Description: ROLL OFF

DELIVERY

Amount: \$167.89

Component Description: ROLL OFF FINAL

PULL

Amount: \$404.88

Component Description: Please disregard

this invoice, submitting two separate invoices

for checks.

Amount: N/A

Local Zoning Information not provided.

DTV Medical Facility

Notification Component Description:

ponent Description: Medical Notification

Amount: \$3,750.00

Site Security Information not provided.

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.	
Equipment Storage	Component Description:	WTVS-610-
	Amount:	Equipment Storage \$6,310.00
	Component Description:	WTVS-610- Equipment Storage
	Amount:	\$320.00
	Component Description:	WTVS-610-
		Equipment Storage
	Amount:	\$1,440.00
	Component Description:	WTVS-610-
		Equipment
		Storage
	Amount:	\$1,440.00

Equipment Delivery and Handling Charges

Component Description: Freight and

Shipping

Amount: \$5,127.23

Component Description: Freight and

Shipping

Amount: \$7,218.47

Component Description: FREIGHT AND

SHIPPING

Amount: \$61.72

Component Description: FREIGHT AND

SHIPPING

Amount: \$53.37

Component Description: FREIGHT AND

SHIPPING

Amount: \$611.92

Component Description: FREIGHT AND

SHIPPING

Amount: \$126.17

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,171,261.68	\$2,923,302.31	\$2,865,859.97

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

Section Question Response

Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

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

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

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

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. William
Carignan
Controller

04/30/2021

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 1. The Authorized
 Person signing
 below certifies and
 represents that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

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

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

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

Controller

04/30/2021

Section Question Response

Submission of Final Allocation or Accounting Information Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

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

- 3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
- 4. 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.
- 5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 6. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. William
Carignan
Controller

04/30/2021

Attachments