



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **68403** | Service: **DCA** | Call **WTOO-CD** | Channel: **22 (UHF)** |
ID:
File **0000028850**
Number:
FRN: **0029125721** | Date **03/03**
Submitted: **/2021**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
FIFTH STREET ENTERPRISES, LLC Doing Business As: FIFTH STREET ENTERPRISES, LLC	Ron Bruno 975 Greentree Rd. Pittsburgh, PA 15220 United States	+1 (412) 921-7577	dawn@thevideohouse.com	Limited Liability Company

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
The Preparer is same as the reimbursement contact.			

Broadcaster Information and Transition Plan

Question	Response
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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.	No
Briefly describe transition plan	The plan is for WTOO is to replace the existing channel 23 system with a new channel 22 antenna, new 1 5/8" foam line and new transmitter.

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	Retune Existing
	Use	Primary (Main)
	Ownership	Owned
	Owner	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	Rohde & Schwarz
	Model	NV8306
	Year	2011

	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1.9 kW

**Primary
Transmitter**

Retuning Transmitter Costs

Section	Question	Response
New IOT Tubes	Number of Tubes (including accessories) needed	N/A
New Mask Filter	Power	
	Other Power	N/A
New Exciter	Is a new exciter needed?	No

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	240V Single Phase
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only

	Size	Other tons
	Other Size	1 tons
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A 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

Information not provided.

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	NV8306
	Year	2011
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	1.9 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	TMU9C
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	2.3 kW
	Justification for New Transmitter	A new transmitter is necessary because the existing transmitter does not have sufficient output power to drive the new, lower gain, antenna necessary due to tower structural limitations.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No

	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	20.0 feet
	Other Electrical Service	Yes
	Description	The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	5 tons
	Other Size	N/A tons
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A

	Number of Days	N/A
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Primary **Other Transmitter Cost Not Listed**
Transmitter Information not provided.

**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	TMU9evo-6
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	2.3 kW
	Justification for New Transmitter	In order to minimize disruption to the public, WTOO-CD must purchase an interim transmitter in order to avoid prolonged time off the air while the main transmitter is retuned and reconnected to the new antenna and transmission line.

**Interim
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No

	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	240V single phase
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	Other tons
	Other Size	1 tons
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

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

Antennas

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

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Class A
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	15.0 kW

Manufacturer	
Model	SWR- SWEDL8NCS /23
Year	2014

Primary
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Class A
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Circular
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	14.6 kW
	Manufacturer	

Model	AL12W-22-PLC
Year	2017
Justification for New Antenna	Existing antenna is a single channel antenna and is not capable of operating on the new channel.

Primary Antenna

Other Antenna Costs

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

Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes
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**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

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

Primary
Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	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	Flexible Foam
	Diameter	1 5/8 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	250 feet per run

Primary
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Flexible Foam
	Diameter	1 5/8 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	250 feet per run

	Justification for New Transmission Line	Installing the new main antenna at the same height as the existing main antenna before removing the existing main antenna allows WTOO to avoid the use of an interim broadcast system.
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Primary 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?	Terrain Constrained
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 17' 24.0" N-
	Longitude (NAD83)	078° 03' 46.0" W-
	Overall Structure Height	161.00 feet
	Support Structure Height	161.00 feet

Ground Elevation Above Mean Sea Level (AMSL)	938.80 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Family Stations, Inc
Date Constructed	01/01/2008

**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
91927	WUFR	FM

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:	No reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Terrain constrained

Helicopter Services Required	Are helicopter services required?	No
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**Primary
Tower**

Other Tower Expenses Not Listed

Name	Description
Structural Analysis	After the Mapping is complete, a structural analysis will be necessary.

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	2000
	Explanation	WTOO-CD does not have sufficient resource capacity and expertise in house to handle all of the Project Management related tasks necessary to facility on-time completion of the station's build by the Construction Deadline
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	No
	Quantity	N/A

	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	No
	Quantity	N/A
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	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	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes
	Number of Days	8

	Justification	RF Project management of tower and transmitter installs
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Outside Other Professional Services Expenses Not Listed
Professional Services Costs Services not provided.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	Yes
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	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
Vehicle Rentals	Required for equipment delivery.
Additional Electrical	Additional Electrical for Transmitter
Internet	Internet Install at interim facility
Containment Wall	Environmental containment wall around transmitter

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter TMU9evo-6	\$135,450.00	\$99,565.00		\$99,565.00	
Other -- HVAC Service Type: C Size:1 (Other)	<i>\$6,800.00</i>	\$6,800.00	N/A	\$6,800.00	N/A
Other Electrical Service: 240V single phase	<i>\$2,650.00</i>	\$2,650.00	N/A	\$2,650.00	N/A
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$90,115.00	N/A	\$90,115.00	N/A
Primary Transmitter NV8306	\$114,650.00	\$114,650.00		\$0.00	
UHF and VHF - minor banding issues	\$105,200.00	\$105,200.00	N/A	N/A	N/A
Other -- HVAC Service Type: C Size:1 (Other)	<i>\$6,800.00</i>	\$6,800.00	N/A	\$0.00	N/A

Other Electrical Service: 240V Single Phase	\$2,650.00	\$2,650.00	N/A	N/A	N/A
Primary Transmitter TMU9C	\$0.00	\$0.00		\$0.00	
Sub-total	\$250,100.00	\$214,215.00	N/A	\$99,565.00	N/A
Total for all systems	\$1,454,277.00	\$1,380,392.00	N/A	\$204,499.72	N/A

Components

Actual Information	
Description	File Name
Other -- HVAC Service Type: C Size:1 (Other)	Component Description: Griffith & Petz - HVAC - WTOO-CD 2-25-20 Amount: \$6,800.00
Other Electrical Service: 240V single phase	Component Description: Tercek Electric Invoice and Proposal - WTOO-CD 11-18-19 Amount: \$2,650.00

UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	<div> Component Description: Rohde and Schwarz - Balance Due - WTOO Transmitter 12-19-19 </div> <div> Amount: \$45,057.50 </div>
	<div> Component Description: Interim Transmitter Cover letter, 50% deposit invoice and full estimate- WTOO - Rohde & Schwarz 10-18-19 </div> <div> Amount: \$45,057.50 </div>
UHF and VHF - minor banding issues	Information not provided.
Other -- HVAC Service Type: C Size:1 (Other)	<div> Component Description: Griffith & Petz - HVAC - WTOO- CD 2-24-20 </div> <div> Amount: \$6,800.00 </div>
Other Electrical Service: 240V Single Phase	Information not provided.

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna AL12W-22-PLC	\$33,030.00	\$46,400.00		\$35,752.40	
UHF - Lower Power Side Mount, Class A One Station antenna -- basic	\$26,300.00	\$40,000.00	The following Breakdown of costs are necessary for the new antenna: Antenna - \$13,945 Labor for Install - \$10,121.94 Labor for removal of existing - \$3710.00 Standoff Pole and Feed Line - \$9969.46	\$34,957.40	There is a difference between the subtotal and the estimate costs because of the various components necessary for the rebuild of WTOO exceed the pre-determined estimate cost. There is labor needed to remove the existing and install the new antenna. Thank
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$795.00	N/A
Sub-total	\$33,030.00	\$46,400.00	N/A	\$35,752.40	N/A

Total for all systems	\$1,454,277.00	\$1,380,392.00	N/A	\$204,499.72	N/A
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Components

Actual Information	
Description	File Name
UHF - Lower Power Side Mount, Class A One Station antenna -- basic	Component Description:
	ERI - Balance Due Invoice for Feed Line and Standoff Pole - WTOO - 11-26-19
	Amount:
	\$4,984.73
	Component Description:
	Electronics Research Inc- WTOO-CD - Antenna Balance Due 4-6-20
	Amount:
	\$5,578.00
	Component Description:
	WTOO-CD - ERI Standoff Pole and Feed line 50% Invoice and Proposal 11-6-19
	Amount:
	\$4,984.73
	Component Description:
	WTOO - ERI Antenna (50% - \$5578) and Freight (100%- 2498.82 - submitted in Freight Section) Invoice and Proposals revised 3-30-20
	Amount:
	\$5,578.00

	Component Description:	MultiComm Inc - Antenna Install WTOO-CD
	Amount:	\$10,121.94
	Component Description:	MultiComm Inc - Removal of existing Antenna - WTOO-CD Jan 2020
	Amount:	\$3,710.00
Sweep test of existing antenna	Component Description:	MultiComm - WTOO-CD Antenna Sweep 4- 2-20
	Amount:	\$795.00

Cost
Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$6,000.00	\$5,750.00		\$0.00	
Flexible Foam Transmission Line - dielectric, 1 5 /8"	\$6,000.00	\$5,750.00	N/A	N/A	N/A
Sub-total	\$6,000.00	\$5,750.00	N/A	\$0.00	N/A
Total for all systems	\$1,454,277.00	\$1,380,392.00	N/A	\$204,499.72	N/A

Components

Information not provided.

Cost
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$459,300.00	\$437,000.00		\$0.00	
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	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Structural Analysis	<i>\$12,000.00</i>	\$12,000.00	N/A	N/A	N/A
Sub-total	\$459,300.00	\$437,000.00	N/A	\$0.00	N/A
Total for all systems	\$1,454,277.00	\$1,380,392.00	N/A	\$204,499.72	N/A

Components

Information not provided.

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$487,480.00	\$463,750.00		\$50,700.30	
Additional Field Engineering Service, 8 Days	<i>\$16,000.00</i>	\$16,000.00	N/A	\$750.00	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	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	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A

NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	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	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,400.00	N/A

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$650.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$316,000.00	\$300,000.00	N/A	\$46,900.30	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Sub-total	\$487,480.00	\$463,750.00	N/A	\$50,700.30	N/A
Total for all systems	\$1,454,277.00	\$1,380,392.00	N/A	\$204,499.72	N/A

Components

Actual Information	
Description	File Name
Additional Field Engineering Service, 8 Days	Component Description:
	In The Stix Broadband - WTOO - Jan 2020
	Amount:
	N/A
	Component Description:
	Tech Services to change Frequency & power - Aug 2019
	Amount:
	\$750.00

RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
NEPA Section 106 environmental review, if needed	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.

<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="710 174 1013 208">Component Description:</td><td data-bbox="1150 174 1375 398">Prep of revised engineering portion of initial FCC App for Construction Permit for repack for Ch 22</td></tr> <tr> <td data-bbox="710 416 815 443">Amount:</td><td data-bbox="1150 416 1246 443">\$650.00</td></tr> <tr> <td data-bbox="710 555 1013 589">Component Description:</td><td data-bbox="1150 555 1375 824">Preparation of engineering portion of initial FCC Application for Construction Permit for repack facility; e-filing</td></tr> <tr> <td data-bbox="710 835 815 862">Amount:</td><td data-bbox="1150 835 1267 862">\$1,750.00</td></tr> </table>	Component Description:	Prep of revised engineering portion of initial FCC App for Construction Permit for repack for Ch 22	Amount:	\$650.00	Component Description:	Preparation of engineering portion of initial FCC Application for Construction Permit for repack facility; e-filing	Amount:	\$1,750.00
Component Description:	Prep of revised engineering portion of initial FCC App for Construction Permit for repack for Ch 22								
Amount:	\$650.00								
Component Description:	Preparation of engineering portion of initial FCC Application for Construction Permit for repack facility; e-filing								
Amount:	\$1,750.00								
<p>Perform engineering study for new channel assignment and antenna development</p>	<table> <tr> <td data-bbox="710 1003 1013 1037">Component Description:</td><td data-bbox="1150 1003 1375 1272">Interference study of repack for Ch 22 ; prep of engineering portion of initial FCC App for Construction Permit.</td></tr> <tr> <td data-bbox="710 1283 815 1310">Amount:</td><td data-bbox="1150 1283 1246 1310">\$650.00</td></tr> </table>	Component Description:	Interference study of repack for Ch 22 ; prep of engineering portion of initial FCC App for Construction Permit.	Amount:	\$650.00				
Component Description:	Interference study of repack for Ch 22 ; prep of engineering portion of initial FCC App for Construction Permit.								
Amount:	\$650.00								
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>								
<p>Project management of the transition</p>	<table> <tr> <td data-bbox="710 1608 1013 1641">Component Description:</td><td data-bbox="1150 1608 1305 1680">Project Management</td></tr> <tr> <td data-bbox="710 1691 815 1718">Amount:</td><td data-bbox="1150 1691 1267 1718">\$4,287.60</td></tr> <tr> <td data-bbox="710 1830 1013 1863">Component Description:</td><td data-bbox="1150 1830 1305 1901">Project Management</td></tr> <tr> <td data-bbox="710 1910 815 1937">Amount:</td><td data-bbox="1150 1910 1267 1937">\$1,301.65</td></tr> </table>	Component Description:	Project Management	Amount:	\$4,287.60	Component Description:	Project Management	Amount:	\$1,301.65
Component Description:	Project Management								
Amount:	\$4,287.60								
Component Description:	Project Management								
Amount:	\$1,301.65								

Component Description:	Project Management - April 2019
Amount:	\$1,672.50

Component Description:	Technical , Consultation and Planning Services. Attended a Conference at Rohde and Schwartz on 3/6 /2017 concerning the 399 re-pack documentation.
Amount:	\$75.00

Component Description:	Project Management - Month of February 2019
Amount:	\$2,008.55

Component Description:	July 2017 Project Management
Amount:	\$1,000.60

Component Description:	Sept 2017 - Project Management
Amount:	\$3.00

Component Description:	Technical , Consultation and Planning Services. Technical , Consultation and Planning Services with Sam Hariton (Widelity).
Amount:	\$75.00

Component Description:	Technical , Consultation and Planning Services. Three conference calls .
Amount:	\$75.00

Component Description:	July 2018 Project Management
Amount:	\$1,514.20

Component Description:	Project Management - August 2019 WTOO
Amount:	\$1,125.00

Component Description:	CTA Media Productions - WTOO -Sept 2019
Amount:	\$1,087.50

Component Description:	CTA Media Productions - WTOO-CD - Production Management - Feb 2020
Amount:	\$1,050.00

Component Description:	CTA Media Productions - Project Management - November 2019 WTOO-CD
Amount:	\$1,275.00

Component Description:	CTA Media Productions- WTOO- March 2020
Amount:	\$937.50

Component Description:	Project Management - July 2019
Amount:	\$1,087.50

Component Description:	Project Management
Amount:	\$1,694.55

Component Description:	Project Management
Amount:	\$1,818.40

Component Description:	CTA Media Productions - Project Management - Dec 2019- WTOO-CD- UPDATED
Amount:	\$937.50

Component Description:	CTA Media Productions - WTOO-CD - April 2020
Amount:	\$787.50

Component Description:	Project Management
Amount:	\$1,649.85

Component Description:	Davis - Project Management - Inv 2008
Amount:	\$136.00

Component Description:	CTA Media Productions - January 2020 Project Management - WTOO-CD
Amount:	\$1,162.50

Component Description:	Project Management
Amount:	\$2,204.70

Component Description:	Project Management - Revised Invoice with date added- 7- 25-19
Amount:	\$20.00

Component Description:	Project Management - June 2019
Amount:	\$1,200.00

Component Description:	Project Management
Amount:	\$1,431.95

Component Description:	June 2017 Project Management
Amount:	\$1,068.80

Component Description:	October 2017 Project Management
Amount:	\$13.50

Component Description:	Project Management
Amount:	\$2,386.40

Component Description:	Project Management
Amount:	\$1,692.45

Component Description:	WTOO-CD - CTA Media Productions - October 2019 Project Management
Amount:	\$1,050.00

Component Description:	August 2017 Project Management
Amount:	\$7.50

Component Description:	Project Management
Amount:	\$2,682.20

Component Description:	CTA Media Productions - WTOO-CD March 2019
Amount:	\$1,875.00

Component Description:	CTA Media Productions - WTOO-CD May 2020
Amount:	\$150.00

Component Description:	Project Management
Amount:	\$1,558.55

Component Description:	Project Management
Amount:	\$1,147.35

Component Description:	Technical , Consultation and Planning Services. Review and answering technical questions through a telephone conference call for the follow up report for the Re-pack.
Amount:	\$75.00

Component Description:	Project Management - May 2019
Amount:	\$1,312.50

Component Description:	CTA Media Productions - Project Management WTOO- CD June 2020
Amount:	\$187.50

	Component Description: Re-pack consulting and updating. Amount: \$75.00
Prepare and or review reimbursement form	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	\$122,567.00	\$121,977.00		\$18,482.02	
Containment Wall	<i>\$1,272.00</i>	\$1,272.00	N/A	\$1,272.00	N/A
Internet	<i>\$212.00</i>	\$212.00	N/A	\$212.00	N/A
Additional Electrical	<i>\$588.00</i>	\$588.00	Additional Electrical for Transmitter - WTOO- CD Dec 2019/Jan 2020	\$588.00	N/A
Vehicle Rentals	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$20,000.00</i>	\$20,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$15,000.00</i>	\$15,000.00	N/A	\$1,500.00	N/A
Equipment Storage	<i>\$10,000.00</i>	\$10,000.00	N/A	\$600.00	N/A
Equipment Delivery and Handling Charges	<i>\$15,000.00</i>	\$15,000.00	N/A	\$3,700.02	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$10,000.00	\$10,000.00	N/A	N/A	N/A
BLM or NFS Coordination	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Non-zoning permits	\$2,500.00	\$2,500.00	N/A	N/A	N/A
Local Zoning	\$5,000.00	\$5,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	N/A	\$335.00	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$10,275.00	N/A
Sub-total	\$122,567.00	\$121,977.00	N/A	\$18,482.02	N/A
Total for all systems	\$1,454,277.00	\$1,380,392.00	N/A	\$204,499.72	N/A

Components

Actual Information	
Description	File Name
Containment Wall	<p>Component Description: Bob's Radio Service - WTOO-CD Containment Wall - 4-7-20</p> <p>Amount: \$1,272.00</p>

Internet	<p>Component Description: In the Styx - WTOO-CD Revised 3-13-20</p> <p>Amount: \$212.00</p>
Additional Electrical	<p>Component Description: Additional Electrical needed for transmitter Dec 2019 - Jan 2020</p> <p>Amount: \$588.00</p>
Vehicle Rentals	Information not provided.
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	<p>Component Description: Videohouse invoice and estimate - WTOO - Develop and air announcement of channel change - July 2019</p> <p>Amount: \$1,500.00</p>
Equipment Storage	<p>Component Description: Pro Service Inc - WTOO-CD Transmitter Storage - Dec 2019</p> <p>Amount: \$600.00</p>

Equipment Delivery and Handling Charges	Component Description: ERI - 50% Antenna and 100% freight invoice -- 3-30-20 Amount: \$2,498.82
	Component Description: Bobs Radio Service- Quote and invoice for hoisting Transmitter up to 5th Floor - Revised Cover Letter - Labor Only 2-28-20 Amount: \$400.00
	Component Description: Procopio - Delivery Charges for WTOO Transmitter with corrected mileage Amount: \$801.20
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
BLM or NFS Coordination	Information not provided.
Non-zoning permits	Information not provided.
Local Zoning	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Component Description: The Videohouse - License to Cover Fee - WTOO-CD 1-24-20 Amount: \$335.00
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.

DTV Medical Facility
Notification

Component Description:

DTV Notification -
Revised estimate
attached with
invoice to cover the
difference between
1st invoice and the
new estimate.
Additional work
was completed
after 1st invoice
submitted,
therefore revising
the estimate.

Amount:

\$4,003.00

Component Description:

DTV Notification

Amount:

\$6,272.00

**Cost
Information****Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,454,277.00	\$1,380,392.00	\$204,499.72

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.	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.	Yes

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>Ron Bruno <i>Manager</i> 03/03/2021</p>

Certification	Section	Question	Response
	Submission of Final Allocation or Accounting Information 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 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 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. 	

<p>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.</p> <p>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.</p> <p>5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</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>Ron Bruno <i>Manager</i></p> <p>03/03/2021</p>

Attachments

