

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 66536 Service: DTV Call WTIU Channel: 33 (UHF)

Sign:

0000028550

Number:

ID:

File

FRN: **0005268222** Date **04/06**

Submitted: /2021

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
TRUSTEES OF INDIANA UNIVERSITY Doing Business As: TRUSTEES OF INDIANA UNIVERSITY	Deborah A. Lemon, Secretary of the Board of Trustees FRANKLIN HALL 200 601 E. KIRKWOOD AVE. BLOOMINGTON, IN 47405 United States	+1 (812) 856- 3731	DALEMON@IU. EDU	Private Not- for-Profit Educational Institution

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
George C. Hopstetter Director Operation and Engineering Indiana University	George C. Hopstetter WTIU, Indiana University 1229 E. 7th Street	+1 (812) 855- 3177	GHOPSTET@INDIANA. EDU
	Bloomington, IN 47405 United States		

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.	No
Briefly describe transition plan	WTIU will need to replace the current transmitter, exciter with backup, mask filter, combiner, dehydrator and top mount antenna to re-locate to digital Ch. 33. Current transmission line was sweep to verify acceptable RF/VSWR to operate on Ch.33.

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	
Manufacturer and Type	Model	Diamond DHD45P2
	Year	2003
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	10.5 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New	Use	Primary (Main)
Transmitter	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	47.2 kW
	Justification for New Transmitter	Existing transmitter can not be re-channeled to meet the new FCC Ch. assignment. WTIU is upgrading to maximize TPO for Ch. 33 from a Like-for-like Transmitter ULXTE-30 to -72, see attached "Indiana_Univ_JW30004503V. 1_WTIU_TV_TV_(002)"

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	New electrical breaker panel is required to facilitate Ch. 33 transmitter and supporting equipment. See attached Quote "20170384- BL800A Sare Rd Transmitter- New Transmitter"
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold 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

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
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Core Concret wall	Hire Professional Concrete coring provider to core 1- 10" hole and 8-3" diameter holes in 8"concrete wall for TX coolant lines and transmission line
Electrical Cable trays	Required Electrical cabling trays to install Gates Air ULXTE-72 liquid cooled transmitter
Coolant water for Liquid cooled transmitter	Distilled water for Liquid cooled transmitter purchased local
Transmitter unloading	Unload transmitter from semi, Transmitter, heat-exchangers, associated gear.

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?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Panel
	Number of Stations Supported	1
	Number of Panels	32
	Design power capacity in use	35.0 %
	Lower Limit	470.00 MHz
	Upper Limit	806.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	224.0 kW

Manufacturer	
Model	TUA-SP4A- 8/32H-1-TR
Year	2002

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	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)	797.0 kW
	Manufacturer	

Model	ATW18H3- ETTX-33H
Year	2019
Justification for New Antenna	Current broadband antenna is not efficient single channel operations and limited capabilities. Antenna sweep indicated that power divider had a high than desired reflection on assigned channel. Initial Report when installed had a higher than desired VSWR

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	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?	
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

Name	Description
Main Antenna Sweep Test	TV Sweep test of New MAIN Ch. 33 antenna.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	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 Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	16
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	95.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	132.43 kW
	Manufacturer	
	Model	i230ECW- 16-14/33
	Year	2019

Justification for New Antenna	Interim antenna, side mount broadband operation on Ch. 14 during transition of primary top mount antenna to single CH.
	33. Dielectric /ERI does
	not rent or
	lease
	interim
	antennas or
	transmission
	line.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an 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

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
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Interim Ar	ntenna and	line Swee	p test
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Interim antenna and 5-inch transmission line TV sweep test

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

uxiliarv

Add Transmission Line

n Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Interim Transmission line currently exist
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	No
Existing Transmission Line Manufacturer and	Manufacturer	
Type	Туре	Flexible Air
	Diameter	5 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	530 feet per run

Auxiliary

New Transmission Line Transmission Line Question Response **New Transmission Line** Use Auxiliary Costs (Backup) Pre/Post-Description of Use transition 5" transmission Line Change Type Purchase New Is this a request for upgraded equipment? No Flexible Air Type Diameter 5 inches Other Diameter N/A Segment Length N/A Other Segment Length N/A Number of parallel runs 1 Length 530 feet per run

Justification for New Transmission Line

Flex 5 inch Andrew HJ9-

interim side mount antenna feed. To service while

primary top mount antenna is removed and replace by new single Ch. 33 antenna.

50 for

Other Transmission Line Expenses Not Listed Auxiliary Other Transmission Transmission to inetion not provided.

Primary Add Transr Transmission Line

Add 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 this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	No
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	0
	Length	710 feet per run

New Transmission Line Primary

•	
Transmission	n Line

n 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 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	0
	Length	710 feet per run

Justification for New Transmission Line	"Main" Dielectric 6 1 /8" Dielectric DigiTLine transmission line fialed 2- months after transitioning over from UHF Ch. 14 to UHF Ch. 33 repack. Current 18- year old line is now non- operational and need replaced as soon as possible. Main antenna off
	Main

Other Transmission Line Expenses Not Listed
Transmission ionation not provided.

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	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	650 feet per run

Primary Transmission

New Transmission Line

n 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	Broadband
	Other Segment Length	N/A
	Number of parallel runs	0
	Length	0 feet per
	Justification for New Transmission Line	Primary 6 1 /8 DigiLine transmission line does not need to be changed out. Disregard this entery

Other Transmission Line Expenses Not Listed

Transmission Line		Description	
	Interim Aux	New 5 inch flexible transmission line is for the Interim AUX antenna not the Primary Main	

Tower Equipment And Rigging Costs

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

Primary Tower

Add Tower

Section	Question	Response
Existing Tower	Type of change	Modify Existing
Description	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1234684
Coordinates (NAD83 (Latitude (NAD83)	39° 08' 31.0" N-
North American Datum of 1983))	Longitude (NAD83)	086° 29' 42.9" W-
	Overall Structure Height	645.99 feet
	Support Structure Height	610.23 feet
	Ground Elevation Above Mean Sea Level (AMSL)	806.09 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	Trustees of Indiana University
Date Constructed	12/28/2015

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
68269	WFIU	FM

Other Types of Users

Users
Sprint
New Cingular
T-Mobile
Verizon

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	No study needed
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	N/A
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Name	Description
MAIn Transmission Line installation	Main 6 1/8" Dielectric DigiTLine failed 2-months after transition date from Ch. 14 to Ch. 33.
Antenna replacement	Costs to remove existing top mounted antenna and install new Ch. 33 top mount antenna
Interim Antenna installation	Cost to install Aux antenna and 500ft of 4" transmission line for Ch. 14 while Primary antenna is removed and replaced.
Lower Guy support upgrade	Lower Guy supports upgraded to handle the added "AUX" Interim antenna loading on tower

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	No
	Number of Hours	N/A
	Explanation	N/A
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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes

Prepare request for Special Temporary Authority	Yes
Quantity	1
NEPA Section 106 environmental review	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	No
Prepare or Review FCC Form 399 for Reimbursement	Yes
Address transition timing and coordination issues w/ other stations and wireless providers	No
Comprehensive coverage verification via field study	No
RF exposure measurements	No
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A
	Authority Quantity NEPA Section 106 environmental review Environmental Assessment ASR Modification FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers Comprehensive coverage verification via field study RF exposure measurements Additional Field Engineering Service Number of Days

Outside
Professional Services Expenses Not Listed
Professional Services © pstsided.

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	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	No
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	No
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Name	Description
Endeavor Communications	New Ch. 33 receive element for provided PR-450 receive antenna feed local cable system programming. Change Ch. 14 element to CH. 33 element on Receive tower

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter ULXTE-72	\$1,651,904.20	\$843,356.62		\$735,947.84	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$650,351.92	Requesting reimbursement for Like-for-like transmitter Gates Air ULXTE-30 Only. WTIU will be responsible for the Maximization cost to upgrade to a Gates Air ULXTE-72.	\$642,651.92	N/A
Core Concret wall	\$430.00	\$430.00	Core concrete waal for 8-3" TX coolant hoses and 1- 10" transmission line trough 8" concrete wall for installation of Gate Air transmitter.	\$429.47	N/A

5 Ton system	\$20,250.00	\$34,350.50	Upload Technical	\$0.00	N/A
			operating data		
			showing the		
			room heat		
			dissipation of		
			the Gate Air		
			transmitter.		
			New		
			transmitter is		
			to be installed		
			in a separate		
			room with		
			limited HVAC		
			service. See		
			20170384_CO		
			Proposal		
			#03_HVAC.		
			rev.1		
Coolant	\$330.00	\$330.00	Transmitter	\$329.18	N/A
water for			manufacture		
Liquid			requires that		
cooled			all distilled		
transmitter			water to be		
			purchased		
			local to the		
			transmitter site		
			_		
			for water		
			for water cooled		
			for water cooled transmitters.		
Electrical	\$2,250.00	\$2,250.00	cooled	\$2,250.00	Gates Air
	\$2,250.00	\$2,250.00	cooled transmitters.	\$2,250.00	
Electrical Cable trays	\$2,250.00	\$2,250.00	cooled transmitters. Gates Air required	\$2,250.00	required
	\$2,250.00	\$2,250.00	cooled transmitters. Gates Air required electrical cable	\$2,250.00	required electrical
	\$2,250.00	\$2,250.00	cooled transmitters. Gates Air required	\$2,250.00	required electrical cable tray
	\$2,250.00	\$2,250.00	cooled transmitters. Gates Air required electrical cable trays to be installed with	\$2,250.00	required electrical cable tray /elbows to
	\$2,250.00	\$2,250.00	cooled transmitters. Gates Air required electrical cable trays to be installed with Gates Air	\$2,250.00	required electrical cable tray /elbows to be installe
	\$2,250.00	\$2,250.00	cooled transmitters. Gates Air required electrical cable trays to be installed with Gates Air ULXTE-72	\$2,250.00	required electrical cable tray /elbows to be installe with Gates
	\$2,250.00	\$2,250.00	cooled transmitters. Gates Air required electrical cable trays to be installed with Gates Air	\$2,250.00	Gates Air required electrical cable tray /elbows to be installe with Gates Air ULXTE

Transmitter unloading	\$466.00	\$466.00	Cost to rent a Telehandler (Forklift) to unload transmitter from semi to ground. Gates air required on- site unloading semi.	\$466.00	N/A
Other Electrical Service: New electrical breaker panel is required to facilitate Ch. 33 transmitter and supporting equipment. See attached Quote "20170384- BL800A Sare Rd Transmitter- New Transmitter"	\$155,178.20	\$155,178.20	Electrical contractor bid and university Physical plant charges for Transfer switch, electrical distribution panel for new transmitter. See Attachment: "20170384- BL800A Sare Rd Transmitter- new Transmitter"	\$89,821.27	N/A
Sub-total	\$1,651,904.20	\$843,356.62	N/A	\$735,947.84	N/A
Total for all systems	\$3,006,624.20	\$1,913,426.62	N/A	\$1,499,703.27	N/A

Components

Actual Descri	Information ption	File Name	
	Liquid Cooled Solid Fransmitter 35 - 50		

Component Description: Gates Air

Installation & Proof

"Like-for-Like" equivalent cost

Amount: \$31,616.00

Component Description: 30% down

payment for the Like-for-like ULXTE-30

transmitter. WTIU will be responsible

for the

Maximization ULXTE-72 Down PMT \$251,696.83 difference. See

Invoice Attachment: "Indiana Univ JW30004503V.1 WTIU-TV-TV (002)"

Amount: \$214,217.31

Component Description: Shipment due

payment for

transmitter ship to site for installation of Like-for-like reimburse expense of transmitter.

Amount: \$396,818.61

Component Description: Gates Air requires

client to core/drill

all holes in

customers wall for coolant lines and transmission line.

Amount: N/A

Component Description: Telehandler

(Forklift) rental to unload Transmitter components from

semi.

Amount: N/A

Component Description: Gates Air requires

customer to provide distilled water for water cooled transmitter to be purchased

locally.

Amount: N/A

Component Description: Gates Air requires

purchasing distilled water locally for the

install of their

transmitter, had to go to 2 location to gain enough water.

Amount: N/A

Component Description: Gates Air Install &

Proof "Like-for-Like" equivalent

cost.

Amount: \$31,616.00

Component Description: Cable tray to

support coolant hoses from transmitter over

head.

Amount: N/A

Core Concret wall		
	Component Description:	Gates Air requires client to core/drill all holes in clients walls for coolant and transmission
	Amount:	through lines. \$429.47
	Component Description:	Core 1-10" hole for transmission line through wall and 8-3" holes for transmitter coolant hoses through 8"
	Amount:	concrete wall. Quote attached. \$429.47
5 Ton system		
	Component Description:	Payment for purchase and installation of 5-ton HVAC unit to support WTIU Gates Air Transmitter CH. 33
	Amount:	installation. \$30,018.38
Coolant water for Liquid		
cooled transmitter	Component Description:	Distilled water for transmitter coolant, 228 1-gallon containers
	Amount:	\$215.26
	Component Description:	Distilled water for Transmitter coolant purchased local, 128 1-gallon
	Amount:	containers. \$113.92

	Component Description	Catao Air required
	Component Description:	Gates Air required
		electrical cable
		trays to be installed
		with Gates Air
		ULXTE-72
		transmitter
	Amount:	\$2,250.00
Transmitter unloading		
	Component Description:	Telehandler,
		(Forklift) to unload
		transmitter from
		semi

Other Electrical Service: New electrical breaker panel is required to facilitate Ch. 33 transmitter and supporting equipment. See attached Quote "20170384-BL800A Sare Rd Transmitter-New Transmitter"

Component Description: 1st payment for

> completed-to-date based on invoice date electrical work completed for electrical

installation of Ch.

33 transmitter.

Amount: \$19,475.00

Component Description: 4th Payment-to-

> date for Electrical installation of WTIU Ch. 33 transmitter repack.

Amount: \$10,655.31

Component Description: 2nd Payment-to-

date of completion

for electrical installation for repack transmitter WTIU Ch. 33

Amount: \$44,673.66

Component Description: 5th Payment-to-

> date for electrical installation for WTIU Ch. 33 transmitter repack.

Amount: \$15,017.30

Component Description: 3rd Payment-to-

> date for electrical installation of WTIU Ch. 33 repack installation.

Amount: \$49,109.78

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	Ac Ju
Interim Antenna i230ECW- 16-14/33	\$128,380.00	\$182,231.00		\$175,981.00	
Interim Antenna and line Sweep test	\$6,250.00	\$6,250.00	Interim Antenna and 5- inch TV sweep test	\$6,250.00	ind res
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$5,168.00	6 1/8" 90 degree miter elbow and hardware,	\$5,168.00	in is
					co be

UHF - Lower Power Side Mount, One Station antenna . medium power (50- 200 kW), elliptically or circularly polarized	\$103,100.00	\$170,813.00	Change in interim antenna, ERI does not rent or lease interim antenna. Requires purchase of new interim antenna. Includes side mounts \$9,800 increasing the cost of the interim antenna system	\$164,563.00	r c m
Sweep test of existing antenna	\$6,730.00	\$0.00	N/A	\$0.00	
Primary Antenna ATW18H3- ETTX-33H	\$314,780.00	\$235,478.00		\$199,614.00	
Main Antenna Sweep Test	\$6,250.00	\$6,250.00	Main Antenna TV Sweep test after installation	\$6,250.00	i i
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$18,016.00	Replace failed 6 1/8" Dielectric line with ERI MACXLine, will need to replace existing elbow complex with ERI to match inner conductors	\$6,452.00	ir a
Sweep test of existing antenna	\$6,730.00	\$12,500.00	Re-sweep replacement 6 1 /8" transmission line after failed line has been replace to fine match tune to antenna. (See	\$3,700.00	

Power Top			ERI quote: "ERI- Main_AUX_antenna_quote.		i e
Mount			pdf"		ı
(200-1000					
kW), One					i
station					F
antenna ,					ľ
elliptically					
or circularly					
polarized					
Sub-total	\$443,160.00	\$417,709.00	N/A	\$375,595.00	
Total for	\$3,006,624.20	\$1,913,426.62	N/A	\$1,499,703.27	
all					
systems					

Components

Actual Information		
Description	File Name	
Interim Antenna and line Sweep test	Component Description: Amount:	ERI 2nd payment for Interim Transmission Line & Antenna TV Sweep test. \$4,227.36
	Component Description: Amount:	ERI 1/3 down payment with order for TV interim antenna transmission Sweep test. \$2,022.64

Component Description: Interim Antenna &

Transmission TV Line Sweep, 2nd payment due

Amount: \$4,227.36

Component Description: Interim Antenna

and 5-in

transmission line TV Sweep down

payment.

Amount: \$2,022.64

Component Description: Interim Antenna &

Transmission TV Line sweep , down

payment

Amount: \$2,022.64

Component Description: ERI 1/3rd down

payment for Interim
Antenna and 5in
transmission
system Sweep

Test.

Amount: \$2,022.64

Component Description: Interim Antenna

and transmission line TV sweep test 2nd payment due reimbursement.

Amount: \$4,227.36

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)

Component Description: 2nd ERI payment

prior to shipment of

Interim

Transmission line Elbow-Complex

Amount: \$3,495.52

Component Description: 1/3 down payment

for Interim

transmission line Elbow-complex.

Amount: \$1,672.48

Component Description: Interim Antenna

Elbow Complex 2nd payment. Quote Line item # 26 ERI Proposal 20190323-51.

Amount: \$3,495.52

Component Description: Interim TV

transmission line elbow complex breakout, down

payment \$1,672,48

Amount: \$1,672.48

Component Description: ERI 1/3 down

payment of Interim Elbow Complex transmission system

Amount: \$1,672.48

Component Description: 2nd payment upon

shipping material for interim antenna elbow complex \$3,305.76

Component Description: down payment of

Interim antenna "AUX" elbow complex cost. \$1,862.24

Amount: \$1,862.24

Amount:

Component Description: Revised Invoiced

Down Payment for ERI RF system for interim antenna elbow complex: See attached invoice with notes.

Amount: \$1,672.48

Component Description: Interim

Transmission TV line break out of Elbow complex, 2nd Payment due Hardware shipment.

Amount: \$3,495.52

UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized

Component Description: 2nd payment prior

to shipment of Interim Antenna and Mounting Hardware

Amount: \$111,306.67

Component Description: 1/3 Down Payment

for Interim Antenna and Mounting hardware

Amount: \$53,256.33

Component Description: Down payment of

Interim Antenna "AUX" cost. \$67,811.30

Component Description: 2nd payment for

Amount:

shipping material for interim antenna.

Amount: \$103,001.70

Component Description: Interim antenna

2nd payment due

for reimbursement.

Amount: \$111,306.68

Component Description: Down Payment for

Interim antenna: See attached

invoice and Note of

breakdown of

payment.

Amount: \$53,256.32

Component Description: ERI 1/3rd down

payment for Interim

Antenna and

mounting system.

Amount: \$53,256.32

Component Description: Interim Antenna

and mounting, 2nd payment due at hardware shipment.

Amount: \$111,306.68

Component Description: Down Payment for

Interim antenna: See attached

invoice and Note of

breakdown of payment. Also see attached (ERI Letter - WTIU) for

additional information

Amount: \$53,256.32

Sweep test of existing		
antenna	Component Description:	No existing interim
		"AUX" antenna
		exist to sweep test.
	Amount:	N/A

Main Antenna Sweep Test		
	Component Description:	ERI, 2nd payment for Main Antenna TV-Sweep test.
	Amount:	\$4,227.36
	Component Description:	ERI, 1/3 down payment with order for Main Antenna TV Sweep test.
	Amount:	\$2,022.64
	Component Description:	MAIN Antenna TV Sweep 2nd payment due reimbursement.
	Amount:	\$4,227.36
	Component Description:	ERI 1/3rd down payment for MAIN WTIU Antenna TV sweep test
	Amount:	\$2,022.64
	Component Description:	MAIN Antenna TV Sweep test down payment due.
	Amount:	\$2,022.64
	Component Description:	MAIN Antenna Sweep test Ch. 33, 2nd payment due
	Amount:	\$4,227.36

Component Description: Main Antenna TV

sweep test Ch. 33,

down payment

Amount: \$2,022.64

channel, at antenna input, per 6 1/8. feedline (if needed)

Component Description: ERI, 2nd payment

prior to shipping for MAIN Antenna Transmission Elbow-Complex.

Amount: \$4,363.99

Component Description: ERI, 1/3 down

payment with order for MAIN Antenna transmission line Elbow-complex.

Amount: \$2,088.01

Component Description: 2nd payment for

shipping material for MAIN antenna elbow complex

Amount: \$4,127.09

Component Description: ERI 1/3rd down

payment for MAIN TV transmission system Elbow Complex.

Amount: \$2,088.01

Component Description: Down payment for

Main antenna elbow Complex: See attached invoice and note for details.

Amount: \$2,088.01

Component Description: MAIN Antenna

Elbow complex 2nd payment due for reimbursement.

Amount: \$4,363.99

Component Description: Down payment of

Elbow complex for

Main antenna

system.

Amount: \$2,324.91

Component Description: Main Antenna Ch.

33 Transmission TV line Elbow complex breakout,

Down payment

Amount: \$2,088.01

Component Description: Main Antenna Ch.

33 Transmission
TV Line elbow
Complex, 2nd
payment due at
hardware shipment.

Amount: \$4,363.99

Sweep test of existing antenna **Component Description:** 50% down payment, Remaining 50% payment was prior entry only showed total marked out and \$1850 remaining. **Amount:** \$1,850.00 **Component Description:** System Sweep of existing 6.125" line and antenna operating on Ch.14 to determine use on Ch.33. 50% down with order and 50% due NET-30. See

> attachment: Note-ERI invoice PO 1998688 WTIU Line Sweep

Amount: \$1,850.00

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized

Component Description: ERI, 1/3 down

payment with order for MAIN Antenna and hardware. \$59,291.56

Amount:

Component Description: ERI, 2nd payment

prior to shipping MAIN Antenna &

Hardware.

Amount: \$123,920.44

Component Description: Down payment of

ERI ATW18H3-16-14/33 "MAIN"

antenna top mount

Ch. 33

Amount: \$68,273.99

Component Description: ERI 1/3 down

payment for MAIN antenna and

mounting hardware

Amount: \$59,291.56

Component Description: Requesting Down

payment for Main Antenna less V-pol cost. See note attached to invoice.

Amount: \$59,291.56

Component Description: MAIN Antenna 2nd

payment due for reimbursement. \$123,920.44

Amount: \$123,920.44

Component Description: 2nd payment upon

shipping material for MAIN antenna

Amount: \$121,188.01

Component Description: WTIU Main

antenna Ch. 33, down payment.

Amount: \$59,291.56

Component Description: WTIU MAIN

Antenna, Ch. 33, 2nd payment due

at hardware shipment.

Amount: \$123,920.44

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	\$0.00	\$106,482.00		\$0.00	
Rigid Transmission Line - copper, 6 1/8"	\$0.00	\$106,482.00	Main transmission line failure 2- months after repack from UHF Ch. 14 to UHF Ch. 33. Main Dielectric 6 1 /8" line inner connections failed. Report attached. (WTIU Failed Transmission line Quote)	\$0.00	N/A
Primary Transmission Line	\$0.00	\$0.00		\$0.00	
Auxiliary Transmission Line	\$55,650.00	\$60,304.00		\$60,304.00	

Flexible Air	\$55,650.00	\$60,304.00	New 5" coax	\$60,304.00	Previous
Transmission			line to feed		Submission
Line -			interim		is locked to
dielectric, 5"			antenna		edit,
			wideband.		resubmitted
			Pre & Post		entries with
			transition Ch.		updated
			14 Pre		information
			channel		
			operation,		
			CH. 33 Post		
			Channel		
			operation as		
			an "AUX"		
			antenna.		
			Included		
			hoist grips,		
			hangers, gas		
			stop, through-		
			wall seal,		
			ground kits		
			and 6 1/8"		
			connectors.		
Sub-total	\$55,650.00	\$166,786.00	N/A	\$60,304.00	N/A
Total for all systems	\$3,006,624.20	\$1,913,426.62	N/A	\$1,499,703.27	N/A

Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8"	Information not provided.	
Flexible Air Transmission Line - dielectric, 5"	Component Description:	ERI, 1/3 down payment for 5-inch Heliax Coax & Hardware
	Amount:	\$19,515.75

Component Description: ERI, 2nd payment

prior to shipping 5inch Heliax/Coax

interim

transmission line and hardware.

Amount: \$40,788.25

Component Description: Interim antenna 5"

transmission flex
TV-line, down
payment

Amount: \$19,515.75

Component Description: 2nd payment for

shipping material for AUX Interim antenna 5in feed

line

Amount: \$44,834.60

Component Description: Interim Antenna 5"

flex transmission TV-line, 2nd payment due at hardware Shipment.

Amount: \$40,788.25

Component Description: 5" Interim coax line

feed for Interim antenna, 1/3rd down payment request at this time.

Amount: \$19,515.75

Component Description: Interim Antenna 5-

inch Transmission line 2nd payment

due for

reimbursement.

Amount: \$40,788.25

Component Description: ERI 1/3rd down

payment for Interim

5in Flex Coax Transmission Line

and hardware.

Amount: \$19,515.75

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	\$783,336.00	\$414,836.00		\$290,057.00	
Minor tower reinforcement /modifications	\$158,000.00	\$0.00	N/A	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$0.00	No new tower needed.	N/A	N/A
Lower Guy support upgrade	\$63,332.00	\$63,332.00	Structural Analysis shows lower guy over stressed with "AUX" Interim antenna added to tower, manufacture recommends lower guy supports be upgraded to elevate over stress points on the lower guy.	\$59,892.00	N/A

MAIn Transmission	\$121,339.00	\$121,339.00	Installation cost to	N/A	N/A
Line			remove and		
installation			replace		
ii i Staliatioi i			existing		
			failed 6 1/8"		
			DigiTLine		
			transmission		
			line with ERI		
			6 1/8"		
			MACXLine'		
			Transmission		
			line failure		
			after		
			transition to		
			Ch. 33.		
			OII. 33.		
Interim	\$134,914.00	\$134,914.00	Interim aux	\$134,914.00	Previous
Antenna			antenna		submission
installation			(i230ECW-		is locked
			16-14/33)		from
			installation		editing and
			with 530-ft 5"		adding
			flexible		updated
			transmission		/revised
			line. Aux		information
			antenna		resubmitted
			needed to		
			maintain air		
			operations		
			while top		
			antenna is		
			being		
			replaced.		
			Note:		
			Installation		
			cost tripled		
			since original		
			quote.		

Antenna	\$95,251.00	\$95,251.00	Cost to	\$95,251.00	Previous
replacement			remove		submission
			existing top		is locked
			mounted Ch.		form
			14 antenna		editing,
			replace with		resubmitted
			Ch. 33 top		updates for
			mounted		more
			antenna		information
			(TFU-18GTH		
			/VP-R		
			6S250),		
			hook to		
			existing 6 1		
			/8" line.		
			install and		
			wire top AOL		
			beacon.		
			Installation		
			cost		
			increased		
			since original		
			quotes		
Sub-total	\$783,336.00	\$414,836.00	N/A	\$290,057.00	N/A
Total for all systems	\$3,006,624.20	\$1,913,426.62	N/A	\$1,499,703.27	N/A

Components

Actual Information Description	File Name
Minor tower reinforcement /modifications	Information not provided.
Tall Tower (greater than 500')	Information not provided.

Lower Guy support upgrade		
	Component Description:	50% shipping material and 70% mobilization to site.
	Amount:	\$37,262.40
	Component Description: Amount:	Uploaded note with ERI invoice 2342077: "Note_ERI Invoice 20190522-630 Rev A_Guy Material Down Payment" with terms of payments. \$11,655.00
	Component Description:	Remaining 50% of Guy material shipped payment.
	Amount:	\$10,974.60
MAIn Transmission Line installation	Information not provided.	
Interim Antenna installation	Component Description:	Remaining installation cost of WTIU "interim" antenna and 5" transmission line.
	Amount:	\$85,385.62
	Component Description:	ERI, 1/3 down payment for Interim Antenna and 5-inch coax installation due with order.
	Amount:	\$49,528.38

Component Description: ERI 1/3rd down

payment for Interim
Antenna and 5in
Coax Installation

Amount: \$49,528.38

Component Description: Interim Antenna

and 5"

transmission line installation, down

payment.

Amount: \$49,528.38

Component Description: Invoiced down

payment for Interim antenna installation /5-in Transmission Line installation, See attached invoice with notes.

Amount: \$49,528.38

Component Description: .333 down and

includes 50% layout site survey cost of \$6,500, . 333 of \$3250 applied.

\$49,528.38

Antenna replacement

Component Description: Remaining

Amount:

installation cost of WTIU "Main" antenna

reimbursement.

Amount: \$61,841.72

Component Description: ERI, 1/3 down

payment due with order for MAIN

Antenna installation.

Amount: \$33,409.28

Component Description: MAIN Antenna

installation Ch. 33,

down payment

Amount: \$33,409.28

Component Description: ERI 1/3rd down

payment for Main

TV Antenna Installation and Site survey.

Amount: \$33,409.28

Component Description: Invoiced down

payment for Main

antenna replacement

installation. See attached invoice

with notes.

Amount: \$33,409.28

Component Description: .334 down deposit

with order and 50% of \$6500 applied for Layout Site survey for installation of

Antennas.

Amount: \$33,409.28

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	\$40,185.00	\$38,665.00		\$18,715.00	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,050.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,050.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,585.00	N/A	\$975.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,305.00	N/A	\$0.00	N/A

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or	\$4,210.00	\$4,100.00	N/A	\$0.00	N/A
Application Attorney Fees	\$5,260.00	\$5,120.00	N/A	\$5,200.00	3-hours
- Prepare and File FCC Form 2100 (main), Construction Permit Application					(approximate \$1,392.85) listed as 7///17 applied cost related the FCC computer website slow or non-responsive finance with FCC are client to determine fill option in the last hours before deadline.
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,535.00	N/A	\$1,370.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,535.00	N/A	\$675.00	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,535.00	N/A	\$675.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,050.00	N/A	\$1,650.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,070.00	N/A	\$3,370.00	Construction Permit Modification comprehensiv technical stud for proposing minor change in Main directional antenna.
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,170.00	N/A	\$3,900.00	N/A

Prepare and or review	\$2,630.00	\$2,560.00	N/A	\$900.00	Lohnes an
reimbursement					Engineerin
form					firm that rev
					Form 399 f
					the technic
					engineerin
					Fletcher, He
					and Hildreth
					L.C. was f
					Legal review
					the applicat
					and Form 3
					and submit
Sub-total	\$40,185.00	\$38,665.00	N/A	\$18,715.00	N/A
Total for all systems	\$3,006,624.20	\$1,913,426.62	N/A	\$1,499,703.27	N/A

Components

Actual Information Description	File Name	
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.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Component Description: Amount:	Modification applications and interim special Temporary Authority (STA) for WTIU \$975.00

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description:	Revise and finalize FCC application for license for MAIN antenna. 1.5hr
	Amount:	highlighted time \$750.00
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Component Description:	Finalize and file auxiliary antenna license application with FCC. Legal (Highlighted time)
	Amount:	\$1,100.00
	Component Description:	Highlighted- legal time for revise and finalize CP application for license for Main antenna.
	Amount:	\$2,350.00
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	Legal Services modification of application, draft Construction Permit
		and Legal Certification. Review Form 399, file attached.
	Amount:	\$5,200.00
Prepare request for Special Temporary Authorization	Component Description:	Using an interim antenna on the pre- repack channel and prepare a request for
	Amount:	STA to operate. \$1,370.00

RF Consulting Engineer Fees- Aux Antenna: Auxiliary Antenna **Component Description:** Prepare engineering License App., section of FCC Form Prepare license 2100, License to Cover application to cover Application construction Permit No. 0000086567 \$675.00 Amount: Prepare engineering section of FCC Form **Component Description:** Main Antenna 2100 (main), License to License Application to **Cover Application** Cover Permit No. 0000081146 Amount: \$675.00 RF Consulting Engineer Fees- Aux Antenna: **Component Description: Auxiliary Antenna** Prepare engineering Construction Permit section of FCC Form App., Perform 2100, Construction Studies to determine Permit Application parameters for operation on the reassignment Channel Amount: \$1,650.00

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application

Component Description: Prepare engineering

section of FCC Form

2100 for filing

Construction Permit filling in the 90-day

filing window.

Amount: \$1,970.00

Component Description: Cost of preparing

engineering section of FCC Form 2100

and prepare comprehensive technical exhibits attachment for filing in the initial 90-day window. FCC

Construction Permit ApplicationApplication

Amount: \$1,970.00

Component Description: Construction Permit

Modification, comprehensive technical exhibit for proposing minor change in Main directional antenna.

Amount: \$1,400.00

Perform engineering study for new channel New Channel and **Component Description:** assignment and antenna Antenna development Development, RF studies Post-Auction Plan for transitioning to new channel Amount: \$3,900.00 **Component Description:** Cost to conduct technical studies for new UHF channel and replacement directional antenna. Amount: \$3,900.00 Prepare and or review reimbursement form **Component Description:** Reimbursement Form check for accuracy and completeness, technical specifications and engineering. Amount: \$900.00 **Component Description:** Legal Services modification of application, draft Construction Permit and Legal Certification. Review Form 399, file Application as listed Amount: N/A

Component Description: Cost of Review and

edit FCC Form 399

Application,

Amount: \$900.00

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 Justific
Other Expenses	\$32,389.00	\$32,074.00		\$19,084.43	
Endeavor Communications	\$3,985.00	\$3,985.00	Uploaded quote for tower crew to change out PR-450 element for Cloverdale (Endeavor Communications) cable headend to receive new Ch. 33. Cost of tower service	N/A	N/
MVPD Notification of Channel Change	\$2,974.00	\$2,974.00	Estimate uploaded <est- 001591 MVDP Notification.pdf></est- 	\$2,974.00	N/
Develop and air announcement of upcoming channel change	\$2,500.00	\$2,500.00	N/A	N/A	N/
Equipment Delivery and Handling Charges	\$10,850.00	\$10,850.00	Gates Air transmitter freight charge increase, Quote #Q-86957 for \$10,141.33 from vendor for freight is attached	\$10,824.43	Gates actu Frei cos incres Quote 86957 \$10,14 froi venc attach
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/.

DTV Medical Facility Notification	\$11,550.00	\$11,250.00	N/A	\$5,286.00	N/.
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/
Sub-total	\$32,389.00	\$32,074.00	N/A	\$19,084.43	N/
Total for all systems	\$3,006,624.20	\$1,913,426.62	N/A	\$1,499,703.27	N/

Components

Actual Information Description	File Name	
Endeavor Communications	Information not provided.	
MVPD Notification of Channel Change	Component Description:	Attached Invoice: INV-002206_DTV Notification_MVDP. pdf
	Amount:	\$2,974.00
Develop and air announcement of upcoming channel change	Information not provided.	

Equipment Delivery and Handling Charges		
Tarialing Orlanges	Component Description:	Gates Air Freight cost increased from original quote of \$5,100.00. New freight cost and
		Quote # Q-86957 for
	Amount:	\$10,141.33 attached \$10,141.33
	Component Description:	Freight cost on Guy material delivered
	Amount:	from ERI. \$683.10
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
DTV Medical Facility Notification		
Notification	Component Description:	Invoice attached: INV-002205_DTV Notification_Medical. pdf
	Amount:	\$5,286.00
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,006,624.20	\$1,913,426.62	\$1,499,703.27

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. George C.
Hopstetter
Director,
Operations
&
Engineering

04/06/2021

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. George C. Hopstetter Director, Operations and Engineering

04/06/2021

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. **Deborah A. Lemon**Secretary
of the
board of
trustees

04/06/2021

Attachments