Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **14050** | Service: **DTV** | Call Sign: **WCCT-TV** | Channel: **33 (UHF)**

File Number: **0000028238**

FRN: **0028358455** | Date Submitted: **10/18/2021**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
TEGNA BROADCAST HOLDINGS, LLC	Denise A. Branson, Sr. Paralegal 8350 BROAD STREET SUITE 2000 TYSONS, VA 22102 United States	+1 (703) 873-6606	DBRANSON@TEGNA.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
Bill Vanduynhoven , Vanduynhov . *Director of Engineering operations* *Tribune broadcasting*	Bill Vanduynhoven 2211 Rabbit Hill Cir Dacula, GA 30019 United States	+1 (404) 312-8693	BillV@Tribunemedia.com

Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	Replace antenna and replace shared Transmission line with new transmission line. Replace transmitter

Transmitters

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

Auxiliary Transmitter

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	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	Ultimate 8K8
	Year	2010
	Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power Capacity	6 kW

Auxiliary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	ULXTE-10
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	6.2 kW
	Justification for New Transmitter	Current transmitter is not supported or re-tunable as stated by the manufacturer

Auxiliary 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	Electrical Install
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	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

Auxiliary 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	DCX-2
	Year	2000
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19.2 kW
	Justification for New Transmitter	Current transmitter can not be re-tuned as stated by Manufacturer

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	100.0 feet
	Other Electrical Service	No

	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	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
Other Transmitter Costs	Other Transmitter Costs

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Elliptical
	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)	50.0 kW

Manufacturer	
Model	TFU-10JTH /VP-R O4
Year	2008

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?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	70.0 kW
	Manufacturer	

	Model	TFU-11JTH /VP-R 04
	Year	2019
	Justification for New Antenna	Current antenna will not work on assigned frequency

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?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	4 1/16 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

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	3
	Number of Panels/Bays	16
	Lower Limit	470.00 MHz
	Upper Limit	665.00 MHz
	Design power capacity in use	95.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	500.0 kW
	Manufacturer	
	Model	TFU -WB16
	Year	2019

	Justification for New Antenna	Temporary antenna to use during construction and transition.

Interim Antenna

Other Antenna Costs

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

Enter a list of RF channel numbers.

RF Channel Number
45

20
31

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
Lease Cost	Tower lease cost for adding temporary antenna per station
Combiner connection	Interim antenna combiner connection and mounting

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?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1375 feet per run

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

Facility ID	Call Sign
14050	WCCT-TV
147	WTIC-TV

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	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1420 feet per run

Justification for New Transmission Line	Current shared line is not supported and will not work on new channel. Also tower will not support heavier line. With the new channel assignments WCCT and WTIC cannot share a transmission line.

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Interim Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	6 1/8 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	1200 feet per run
	Justification for New Transmission Line	Transmission line for temporary operation Will be installed by WTIC.

Interim Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	41° 42' 13.0" N-
	Longitude (NAD83)	072° 49' 55.0" W-
	Overall Structure Height	1338.89 feet
	Support Structure Height	1291.98 feet
	Ground Elevation Above Mean Sea Level (AMSL)	709.97 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

Tower Owner	COMMUNICATIONS SITE MANAGEMENT, LLC
Date Constructed	09/01/1984

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
66465	WTIC-FM	FM
1910	WRCH	FM
147	WTIC-TV	DTV
13602	WEDH	DTV
1900	WZMX	FM

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra
Helicopter Services Required	Are helicopter services required?	Yes

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Additional Insurance	Insurance increase required by Site owner
Weather delays	Delays in construction due to weather

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	100
	Explanation	Landlord management of project
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare and file Form FCC License to Cover Application	No
	For Auxiliary Facility	N/A

	For Main Facility	N/A
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	No
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes
	Number of Days	10
	Justification	Intermodulation study

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Information not provided.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	Yes
	Is Remediation needed?	Yes
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	No
	FCC Special Temporary Authority Application	No
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	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

Information not provided.

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-30	**$744,830.57**	**$697,291.57**		**$518,597.19**	
Other Transmitter Costs	***$5,630.57***	$5,630.57	N/A	$5,630.57	N/A
2" Rigid Conduit and Wiring (Cost per foot)	$2,600.00	$2,500.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	$38,200.00	$35,461.00	N/A	$35,461.00	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	$684,000.00	$640,000.00	N/A	$477,505.62	N/A
Service entrance 3 phase/800 amp/208 volt	$14,400.00	$13,700.00	N/A	N/A	N/A
Auxiliary Transmitter ULXTE-10	**$307,332.00**	**$263,832.00**		**$203,259.85**	

UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	$273,500.00	$230,000.00	N/A	$169,427.85	N/A
Other Electrical Service: Electrical Install	***$33,832.00***	$33,832.00	N/A	$33,832.00	N/A
Sub-total	$1,052,162.57	$961,123.57	N/A	$721,857.04	N/A
Total for all systems	$2,921,314.26	$2,174,138.26	N/A	$1,773,879.83	N/A

Components

Actual Information Description	File Name
Other Transmitter Costs	**Component Description:** Gates US0324193 v210517pmv3 **Amount:** $5,630.57
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

Switchgear - industrial 800 amp	**Component Description:**	Eastside 166092REVC v210727pmv1
	Amount:	$5,687.60
	Component Description:	Eastside 164867-1RC v210727pmv1
	Amount:	$7,092.20
	Component Description:	Eastside 165056CORR v210727pmv1
	Amount:	$7,092.20
	Component Description:	Eastside 165667COR v210727pmv1
	Amount:	$15,589.00

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	**Component Description:** **Amount:**	Gates US0327106 v200810pmv2 $29,939.02
	Component Description: **Amount:**	Gates GO10004877-Install v200226pmv1 $29,286.40
	Component Description: **Amount:**	3rd Payment ULXTE-30 $132,969.13
	Component Description: **Amount:**	Deposit for Primary Transmitter ULXTE-30 $140,620.08
	Component Description: **Amount:**	Gates US0324193 v200519pmv2 N/A
	Component Description: **Amount:**	Second payment for ULXTE-30 $144,690.99
Service entrance 3 phase /800 amp/208 volt	Information not provided.	

UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	**Component Description:**	3rd payment ULXTE-10
	Amount:	$31,901.01
	Component Description:	Deposit for Aux Antenna ULXTE-10
	Amount:	$56,821.65
	Component Description:	2nd payment for ULXTE-10
	Amount:	$55,911.19
	Component Description:	Gates GO10004878-Install v200225pmv1
	Amount:	$24,794.00

Other Electrical Service: Electrical Install	**Component Description:**	Eastside 165175 v210831pmv2
	Amount:	$2,098.00
	Component Description:	Eastside 165057 v210831pmv2
	Amount:	$2,098.00
	Component Description:	Eastside 166820 v210729pmv1
	Amount:	$4,196.00
	Component Description:	D'Amato 09965 v200226pmv1
	Amount:	$23,342.00
	Component Description:	Eastside 164867-2R v210831pmv2
	Amount:	$2,098.00

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU -WB16	**$176,630.00**	**$78,500.00**		**$71,500.00**	
Combiner connection	***$7,000.00***	$7,000.00	N/A	N/A	N/A
Lease Cost	***$65,000.00***	$65,000.00	N/A	$65,000.00	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	$13,700.00	$0.00	N/A	N/A	N/A
New combiner, cost per channel (without antenna)	$84,200.00	$0.00	N/A	N/A	N/A
Sweep test of existing antenna	$6,730.00	$6,500.00	N/A	$6,500.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 500 kW input, directional,, horizontally polarized	***$0.00***	$0.00	N/A	N/A	N/A

Primary Antenna TFU-11JTH /VP-R 04	**$305,800.00**	**$163,700.00**		**$157,636.50**	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	$289,500.00	$147,000.00	N/A	$140,939.00	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$6,400.00	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	$9,570.00	$10,300.00	See Invoicing	$10,297.50	N/A
Sub-total	$482,430.00	$242,200.00	N/A	$229,136.50	N/A
Total for all systems	$2,921,314.26	$2,174,138.26	N/A	$1,773,879.83	N/A

Components

Actual Information Description	File Name
Combiner connection	Information not provided.
Lease Cost	**Component Description:** Comm Site WCCT01 v210517pmv3 **Amount:** $65,000.00

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
New combiner, cost per channel (without antenna)	Information not provided.
Sweep test of existing antenna	**Component Description:** RF Analy 1438 v210729pmv1 **Amount:** $6,500.00
UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 500 kW input, directional,, horizontally polarized	Information not provided.
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	**Component Description:** Die 449034 v200226pmv1 **Amount:** $10,875.00 **Component Description:** Die 449034 v200226pmv1 **Amount:** $1,327.50 **Component Description:** Die 461033 v200225pmv2 **Amount:** $1,672.50 **Component Description:** freight charges **Amount:** $2,189.00 **Component Description:** deposit ANT TFU-11JTH/VP-R 04 (SP) CH 33 **Amount:** $48,937.50

	Component Description:	deposit - VPOL Components
	Amount:	$5,973.75
	Component Description:	deposit - INPUT COMPLEX 4-50 EHT
	Amount:	$7,526.25
	Component Description:	ANT TFU- 11JTH /VP-R 04 (SP) CH 33
	Amount:	$48,937.50
	Component Description:	INPUT COMPLEX 4-50 EHT
	Amount:	$7,526.25
	Component Description:	VPOL Components
	Amount:	$5,973.75
Sweep test of existing antenna	**Component Description:**	Die 580030 v200226pmv1
	Amount:	$640.00
	Component Description:	Eng on site
	Amount:	$2,880.00
	Component Description:	deposit - Eng on site
	Amount:	$2,880.00

Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	**Component Description:** **Amount:**	Die 461033 v200225pmv2 $1,029.75
	Component Description: **Amount:**	elbow complex $4,633.87
	Component Description: **Amount:**	deposit - elbow complex $4,633.87
	Component Description: **Amount:**	Die 449034 v200226pmv1 $0.01

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	**$278,400.00**	**$0.00**		**$0.00**	
Rigid Transmission Line - copper, 6 1 /8" broadband	$278,400.00	$0.00	N/A	N/A	N/A
Primary Transmission Line	**$286,840.00**	**$205,000.00**		**$190,411.60**	
Rigid Transmission Line - copper, 6 1/8"	$286,840.00	$205,000.00	N/A	$190,411.60	N/A
Sub-total	$565,240.00	$205,000.00	N/A	$190,411.60	N/A
Total for all systems	$2,921,314.26	$2,174,138.26	N/A	$1,773,879.83	N/A

Components

Actual Information Description	File Name
Rigid Transmission Line - copper, 6 1/8" broadband	Information not provided.

Rigid Transmission Line - copper, 6 1/8"	**Component Description:**	Die 541012 v210512pmv1
	Amount:	$8,816.20
	Component Description:	Die 366003 v200305pmv2
	Amount:	$14,854.06
	Component Description:	6-1-8" 75 OHM - 1443 FT
	Amount:	$82,511.42
	Component Description:	deposit - 6-1-8" 75 OHM - 1443 FT
	Amount:	$82,511.42
	Component Description:	TLSCR's
	Amount:	$1,718.50
	Component Description:	T/L 6-75 EIA LENGTH 15' TO 20' FIXED FLG 1 END/ SWIVEL FLG 1
	Amount:	$2,319.98
	Component Description:	deposit - T/L 6-75 EIA LENGTH 15' TO 20' FIXED FLG 1 END/ SWIVEL FLG 1
	Amount:	$2,319.98
	Component Description:	Die 449034 v200226pmv1
	Amount:	($4,639.96)

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	**$660,600.00**	**$612,800.00**		**$598,310.00**	
Weather delays	***$50,000.00***	$50,000.00	Actual costs	$46,000.00	N/A
Tower Helicopter Lift	***$0.00***	$0.00	Included in Tower quote	N/A	N/A
Additional Insurance	***$19,000.00***	$19,000.00	Included in tower quote	$18,150.00	N/A
Minor tower reinforcement /modifications	$158,000.00	$0.00	Included in tower quote	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$531,800.00	As quoted by Vendor. Includes Helicopter lift	$531,600.00	N/A
Structural engineering tower load study for well documented tower	$12,600.00	$12,000.00	N/A	$2,560.00	N/A
Sub-total	$660,600.00	$612,800.00	N/A	$598,310.00	N/A
Total for all systems	$2,921,314.26	$2,174,138.26	N/A	$1,773,879.83	N/A

Components

Actual Information Description	File Name
Weather delays	**Component Description:** Weather days **Amount:** $14,375.00 **Component Description:** Weather days **Amount:** $2,875.00 **Component Description:** Weather days **Amount:** $5,175.00 **Component Description:** Weather days **Amount:** $18,975.00 **Component Description:** Turris TE-6766 v210517pmv2 **Amount:** $4,600.00
Tower Helicopter Lift	Information not provided.
Additional Insurance	**Component Description:** Insurance increase **Amount:** $18,150.00
Minor tower reinforcement /modifications	Information not provided.

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	**Component Description:** **Amount:**	Mobilization payment $52,180.00
	Component Description: **Amount:**	Down payment for rigging $130,450.00
	Component Description: **Amount:**	Plumb and Tension $9,800.00
	Component Description: **Amount:**	Completion and Acceptance $52,180.00
	Component Description: **Amount:**	Mobilization of Tower Crew $52,180.00
	Component Description: **Amount:**	In progress - Antenna installation $52,180.00
	Component Description: **Amount:**	Materials ready to ship $78,270.00
	Component Description: **Amount:**	In progress during field installation $104,360.00
Structural engineering tower load study for well documented tower	**Component Description:** **Amount:**	Turris TE-6602 v211004pmv1 $2,560.00

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justificatior
Outside Professional Services	**$60,675.00**	**$54,798.00**		**$10,448.00**	
Additional Field Engineering Service, 10 Days	***$5,000.00***	$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	$4,100.00	$3,000.00	N/A	$1,000.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,500.00	N/A	N/A	N/A
Project management of the transition	$15,800.00	$15,000.00	N/A	$150.00	N/A
RF Exposure Measurements	$21,050.00	$11,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	N/A	N/A

Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	N/A	N/A
Prepare and or review reimbursement form	$2,630.00	$9,298.00	The Estimated Cost includes Form 399 submissions including ongoing Actual Cost invoice prep and submission, and amendments as needed.	$9,298.00	N/A
Sub-total	$60,675.00	$54,798.00	N/A	$10,448.00	N/A
Total for all systems	$2,921,314.26	$2,174,138.26	N/A	$1,773,879.83	N/A

Components

Actual Information Description	File Name
Additional Field Engineering Service, 10 Days	Information not provided.
Prepare request for Special Temporary Authorization	**Component Description:** DLR 242651 v210728pmv1 **Amount:** $1,000.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.

Project management of the transition	**Component Description:** KGA 980-03 v210617jgv1 **Amount:** $150.00
RF Exposure Measurements	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Perform engineering study for new channel assignment and antenna development	Information not provided.
Prepare and or review reimbursement form	**Component Description:** KGA 980-119 v210611jgv1 **Amount:** $175.00 **Component Description:** KGA 980-104 v210611jgv1 **Amount:** $285.00 **Component Description:** KGA 980-80 v210611jgv1 **Amount:** $680.00 **Component Description:** KGA 980-264 v211005jgv1 **Amount:** $216.00 **Component Description:** KGA 980-254 v210908pmv1 **Amount:** $390.00 **Component Description:** KGA 980-241 v210908pmv1 **Amount:** $1,912.00

Component Description:	KGA 980-53 v210611jgv1
Amount:	$3,340.00
Component Description:	KGA 980-64 v210611jgv1
Amount:	$205.00
Component Description:	KGA 980-124 v210611jgv1
Amount:	$405.00
Component Description:	KGA 980-269 v211018jgv2
Amount:	$107.00
Component Description:	KGA 980-201 v210629jgv1
Amount:	$1,448.00
Component Description:	KGA 980-73 v210611jgv1
Amount:	$25.00
Component Description:	KGA 980-147 v210611jgv1
Amount:	$60.00
Component Description:	KGA 980-136 v210611jgv1
Amount:	$50.00

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 Cos Justificatio
Other Expenses	**$100,206.69**	**$98,216.69**		**$23,716.69**	
MVPD Notification of Channel Change	***$11,000.00***	$11,000.00	N/A	N/A	N/A
AM Pattern Disturbance -- Impact study	$7,890.00	$7,500.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	***$23,716.69***	$23,716.69	See attached / uploaded PDF file titled, "Gates US0327106 v200227pmv1. pdf".	$23,716.69	No error
Disposal Costs (for equipment and other waste, net of any salvage value)	***$25,000.00***	$25,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	N/A	N/A
AM Pattern Disturbance -- Remedy	$21,050.00	$20,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	***$0.00***	$0.00	N/A	N/A	N/A

Sub-total	$100,206.69	$98,216.69	N/A	$23,716.69	N/A
Total for all systems	$2,921,314.26	$2,174,138.26	N/A	$1,773,879.83	N/A

Components

Actual Information Description	File Name
MVPD Notification of Channel Change	Information not provided.
AM Pattern Disturbance -- Impact study	Information not provided.
Equipment Delivery and Handling Charges	**Component Description:** Die 541023 v210512pmv1 **Amount:** $2,762.03 **Component Description:** Gates US0327106 v200810pmv2 **Amount:** $15,554.66 **Component Description:** Gates US0326509 v200225pmv1 **Amount:** $5,400.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
DTV Medical Facility Notification	Information not provided.
AM Pattern Disturbance -- Remedy	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$2,921,314.26	$2,174,138.26	$1,773,879.83

Reimbursement Status

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

Certification

Section	Question	Response
Submission of Estimated Expenses Statements	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 above-named applicant for the Authorization(s) specified above.	**Jeffrey C Gehman** *Engineering Associate* 10/18/2021

Attachments