



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **13938** | Service: **DTV** | Call **WUPL** | Channel: **17 (UHF)** |
ID: | Sign:
File **0000028057**
Number:
FRN: **0013697719** | Date **01/28**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
BELO TV, INC.	Denise Branson, Sr. Paralegal TEGNA Inc. 8350 Broad Street, Suite 2000 Tysons, VA 22102 United States	+1 (703) 873-6606	dbranson@TEGNA.com	Corporation

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
Gary Davis <i>Regional Head of Technology and Operations</i> <i>TEGNA Media</i>	Gary Davis 8350 Broad Street Suite 2000 Tysons, VA 22102 United States	+1 (404) 873-9199	gadavis@tegna.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	WUPL will be transitioning to a new primary facility per their new assignment. this will include a new primary antenna, transmission line and transmitter. During this transition WUPL will need to construct an interim facility.

Transmitters

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

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	CD3200P2
	Year	2004
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-60
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	38.0 kW
	Justification for New Transmitter	Station has in excess of 10% TPO headroom and is eligible for a 1-Step-Up Allowance. Reimbursable TPO is 30.7 kW based on initial 90-day filing CP. This would require a ULXTE-50. A 1-Step-Up is the ULXTE-60 and is therefore reimbursable.

**Primary
Transmitter**

Other Transmitter Costs

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

	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	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 leasehold improvement?	Yes
	Size	100.0 square feet
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter	Other Transmitter Cost Not Listed
	Information not provided.

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	TUD-C5SP-10/50U-2-B
Year	2004

Primary
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	848.0 kW
	Manufacturer	

Model	TFU-21JSC-R C180
Year	2019
Justification for New Antenna	Old antenna cannot be re-tuned.

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	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary
Antenna**

Other Antenna Cost Not Listed

Name		Description
Antenna Feed Through		Antenna Feed Through
Shipping		\$6,800

**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?	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	1
	Number of Panels/Bays	8
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	220.0 kW
	Manufacturer	
	Model	TFU-8WB- R C160
	Year	2019

Justification for New Antenna	Orig plan was to use a helicopter to remove a legacy top-mounted analog antenna, however, the antenna & bury mount are too heavy for a helicopter so a gin pole must be used and tower contractor can't complete the project by station's transition deadline
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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	4 1/16 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
Transformer 6-75 to 6-50	Transformer 6-75 to 6-50
Reducer	Reducer

Transmission Line

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

Primary
Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1000 feet per run

Primary
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1060 feet per run
	Justification for New Transmission Line	Old line will not work on new channel.

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
TX Line Sweep	Sweep required to verify post-transition channel measures well on new line.
Misc cut pieces	Misc cut pieces

**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?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	29° 55' 13.1" N-
	Longitude (NAD83)	090° 01' 28.5" W-
	Overall Structure Height	1033.78 feet
	Support Structure Height	936.67 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1031.00 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	Spectra Site Communication
Date Constructed	04/01/1987

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Name	Description
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Top Plate

Moving from existing tower to WWL tower. Will share tower expenses with WWL. This will result in significant savings to FCC. Top-plate and/or bolt pattern may not work for new top-mount antenna.

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	1096
	Explanation	Fewer PM tasks are needed & OES & 399 work are needed, so the PM total has been reduced to \$150x1096hrs (\$164400), a new OES component has been created & funded with part of the \$ removed from PM, & "Prepare & or review reimbursement form" has been increased
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes

	Quantity	2
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes

Number of Days	25
Justification	\$2,500 per site visit including expenses x 25 days. It is necessary to survey the site, plan the equipment, develop specifications for purchasing, & oversee multiple vendor RF projects. Station does not have available personnel trained in such services.

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Other Legal Services	Other Legal Services related to the DTV Repack
Other Engineering Services	Other Engineering Services related to the DTV Repack

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	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	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)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other
Expenses**

Other Expenses Not Listed

Name	Description
Internal labor	Local and Corporate Labor Cost

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter ULXTE-60	\$1,548,450.00	\$1,230,960.12		\$1,156,810.12	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,156,810.12	See attached / uploaded PDF file titled "Gates US0331119 v200128jgv1.pdf"	\$1,156,810.12	s
Other -- Building Addition Size: 100.0	<i>\$25,000.00</i>	\$25,000.00	New pad required for heat exchangers, transformers, pumps, etc. Equipment must also be shielded.	N/A	N/A
5 Ton system	\$20,250.00	\$19,250.00	Additional HVAC required for operation of new air-cooled solid-state transmitter while still operating with main transmitter during testing period.	N/A	N/A

3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A	N/A
Other Electrical Service: Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc.	\$25,000.00	\$25,000.00	Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc.	N/A	N/A
Sub-total	\$1,548,450.00	\$1,230,960.12	N/A	\$1,156,810.12	N/A
Total for all systems	\$3,649,958.75	\$2,610,903.87	N/A	\$1,487,972.47	N/A

Components

Actual Information	
Description	File Name

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<div> <div> Component Description: Amount: </div> <div> Gates US0331119 v200128jgv1 \$598,754.53 </div> </div> <div> <div> Component Description: Amount: </div> <div> Gates inv #JW30004449-1A Transmitter pmt 2 UL20190405jgv4 \$186,018.53 </div> </div> <div> <div> Component Description: Amount: </div> <div> Inv JW30004449-1 WUPL Transmitter UL20180713jg v1 \$372,037.06 </div> </div>
Other -- Building Addition Size: 100.0	Information not provided.
5 Ton system	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Other Electrical Service: Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc.	Information not provided.

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-8WB-R C160	\$211,827.00	\$65,552.00		\$0.00	
Reducer	<i>\$1,777.00</i>	\$1,777.00	See attached /uploaded PDF file titled "Die qte for TFU-8WB C160 interim antenna v191108jg. pdf"	N/A	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$8,200.00	See attached /uploaded PDF file titled "Die qte for TFU-8WB C160 interim antenna v191108jg. pdf"	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	See attached /uploaded PDF file titled "Die qte for TFU-8WB C160 interim antenna v191108jg. pdf"	N/A	N/A

UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$44,925.00	See attached /uploaded PDF file titled "Die qte for TFU- 8WB C160 interim antenna v191108jg. pdf"	N/A	N/A
Transformer 6-75 to 6-50	\$4,250.00	\$4,250.00	See attached /uploaded PDF file titled "Die qte for TFU- 8WB C160 interim antenna v191108jg. pdf"	N/A	N/A
Primary Antenna TFU-21JSC- R C180	\$208,504.25	\$199,447.25		\$173,382.52	
Antenna Feed Through	\$18,656.25	\$18,656.25	N/A	\$16,790.62	N/A
UHF - High Power, Side Mount, basic slot antenna, 848 kW input, directional,, elliptically or circularly polarized	\$140,868.00	\$140,868.00	N/A	\$126,781.20	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	per Dielectric quotes	\$5,760.00	N/A

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,298.00	N/A	\$9,268.20	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$16,425.00	N/A	\$14,782.50	N/A
Shipping	\$6,800.00	\$6,800.00	N/A	\$0.00	N/A
Sub-total	\$420,331.25	\$264,999.25	N/A	\$173,382.52	N/A
Total for all systems	\$3,649,958.75	\$2,610,903.87	N/A	\$1,487,972.47	N/A

Components

Actual Information	
Description	File Name
Reducer	Information not provided.
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	Information not provided.
Sweep test of existing antenna	Information not provided.
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	Information not provided.
Transformer 6-75 to 6-50	Information not provided.

Antenna Feed Through	<div data-bbox="699 174 1321 291"> <p>Component Description: Die MAN00847 v190813jgv2</p> <p>Amount: \$8,395.31</p> </div> <div data-bbox="699 394 1321 510"> <p>Component Description: Die MAN01302 v191008pmv1</p> <p>Amount: \$8,395.31</p> </div>
UHF - High Power, Side Mount, basic slot antenna, 848 kW input, directional,, elliptically or circularly polarized	<div data-bbox="699 645 1321 761"> <p>Component Description: Die MAN00847 v190813jgv2</p> <p>Amount: \$63,390.60</p> </div> <div data-bbox="699 864 1321 981"> <p>Component Description: Die MAN01302 v191008pmv1</p> <p>Amount: \$63,390.60</p> </div>
Sweep test of existing antenna	<div data-bbox="699 1111 1321 1227"> <p>Component Description: Die MAN00847 v190813jgv2</p> <p>Amount: \$2,880.00</p> </div> <div data-bbox="699 1330 1321 1447"> <p>Component Description: Die MAN01302 v191008pmv1</p> <p>Amount: \$2,880.00</p> </div> <div data-bbox="699 1550 1374 1706"> <p>Component Description: Die inv #MAN00847 Sweep pmt 1 UL20190219jgv1</p> <p>Amount: \$2,880.00</p> </div>

<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<table> <tr> <td data-bbox="699 174 1007 208">Component Description:</td><td data-bbox="1141 174 1321 246">Die MAN00847 v190813jgv2</td></tr> <tr> <td data-bbox="699 257 807 291">Amount:</td><td data-bbox="1141 257 1259 291">\$4,634.10</td></tr> <tr> <td data-bbox="699 398 1007 432">Component Description:</td><td data-bbox="1141 398 1321 470">Die MAN01302 v191008pmv1</td></tr> <tr> <td data-bbox="699 481 807 515">Amount:</td><td data-bbox="1141 481 1259 515">\$4,634.10</td></tr> <tr> <td data-bbox="699 622 1007 656">Component Description:</td><td data-bbox="1141 622 1374 728">Die inv #MAN00847 Elbow complex pmt 1 UL20190219jgv1</td></tr> <tr> <td data-bbox="699 739 807 772">Amount:</td><td data-bbox="1141 739 1259 772">\$4,634.10</td></tr> </table>	Component Description:	Die MAN00847 v190813jgv2	Amount:	\$4,634.10	Component Description:	Die MAN01302 v191008pmv1	Amount:	\$4,634.10	Component Description:	Die inv #MAN00847 Elbow complex pmt 1 UL20190219jgv1	Amount:	\$4,634.10
Component Description:	Die MAN00847 v190813jgv2												
Amount:	\$4,634.10												
Component Description:	Die MAN01302 v191008pmv1												
Amount:	\$4,634.10												
Component Description:	Die inv #MAN00847 Elbow complex pmt 1 UL20190219jgv1												
Amount:	\$4,634.10												
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<table> <tr> <td data-bbox="699 907 1007 940">Component Description:</td><td data-bbox="1141 907 1321 978">Die MAN00847 v190813jgv2</td></tr> <tr> <td data-bbox="699 990 807 1023">Amount:</td><td data-bbox="1141 990 1259 1023">\$7,391.25</td></tr> <tr> <td data-bbox="699 1131 1007 1164">Component Description:</td><td data-bbox="1141 1131 1321 1202">Die MAN01302 v191008pmv1</td></tr> <tr> <td data-bbox="699 1214 807 1247">Amount:</td><td data-bbox="1141 1214 1259 1247">\$7,391.25</td></tr> </table>	Component Description:	Die MAN00847 v190813jgv2	Amount:	\$7,391.25	Component Description:	Die MAN01302 v191008pmv1	Amount:	\$7,391.25				
Component Description:	Die MAN00847 v190813jgv2												
Amount:	\$7,391.25												
Component Description:	Die MAN01302 v191008pmv1												
Amount:	\$7,391.25												
<p>Shipping</p>	<p>Information not provided.</p>												

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	\$225,675.50	\$147,215.50		\$130,333.94	
TX Line Sweep	<i>\$6,400.00</i>	\$6,400.00	N/A	\$3,600.00	N/A
Rigid Transmission Line - copper, 6 1/8"	\$214,120.00	\$135,660.00	N/A	\$122,094.00	N/A
Misc cut pieces	<i>\$5,155.50</i>	\$5,155.50	N/A	\$4,639.94	N/A
Sub-total	\$225,675.50	\$147,215.50	N/A	\$130,333.94	N/A
Total for all systems	\$3,649,958.75	\$2,610,903.87	N/A	\$1,487,972.47	N/A

Components

Actual Information	
Description	File Name
TX Line Sweep	<div>Component Description:JR&A 1901339 v190916pmv1</div> <div>Amount:\$3,600.00</div>

Rigid Transmission Line - copper, 6 1/8"	Component Description:		Die MAN00847
			v190813jgv2
	Amount:		\$61,047.00
	Component Description:		Die MAN01302
			v191008pmv1
	Amount:		\$61,047.00
	Component Description:		Die inv #MAN00847
			Fixed flange pmt 1
Misc cut pieces			UL20190219jgv1
	Amount:		\$2,319.98
	Component Description:		Die inv #MAN00847
			TX line pmt 1
			UL20190219jgv1
	Amount:		\$61,047.00
	Component Description:		Die MAN00847
			v190813jgv2
	Amount:		\$2,319.97
	Component Description:		Die MAN01302
			v191008pmv1
	Amount:		\$2,319.97

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	\$880,800.00	\$425,000.00		\$0.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$12,500.00	Shared expense with WWL.	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$200,000.00	Shared expense with WWL.	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$200,000.00	Shared expense with WWL.	N/A	N/A

Top Plate	\$12,500.00	\$12,500.00	Existing top-plate and/or bolt pattern may not work for new top-mount antenna. Shared expense with WWL.	N/A	N/A
Sub-total	\$880,800.00	\$425,000.00	N/A	\$0.00	N/A
Total for all systems	\$3,649,958.75	\$2,610,903.87	N/A	\$1,487,972.47	N/A

Components

Information not provided.

**Cost
Information**

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$407,928.00	\$391,750.00		\$20,900.89	
Other Engineering Services	<i>\$12,150.00</i>	\$12,150.00	Fewer PM tasks are needed & OES & 399 work are needed, so the PM total has been reduced to \$150x1096hrs (\$164400), a new OES component has been created & funded with part of the \$ removed from PM, & "Prepare & or review reimbursement form" has been increased	\$2,162.50	N/A
Other Legal Services	<i>\$10,000.00</i>	\$10,000.00	Other Legal Services related to the DTV Repack	\$598.47	N/A

Additional Field Engineering Service, 25 Days	\$62,500.00	\$62,500.00	\$2,500 per site visit including expenses x 25 days. It is necessary to survey the site, plan the equipment, develop specifications for purchasing, & oversee multiple vendor RF projects. Station does not have available personnel trained in such services.	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$10,000.00	Shared cost with WWL-TV.	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	Per Widelity estimate	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	Per Widely estimate	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	Per Widely estimate	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	Per Widely estimate	N/A	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	Per Widely estimate	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	Per Widely estimate	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	Per Widely estimate	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	Per Widely estimate	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$13,450.00	Fewer PM tasks are needed & OES & 399 work are needed, so the PM total has been reduced to \$150x1096hrs (\$164400), a new OES component has been created & funded with part of the \$ removed from PM, & "Prepare & or review reimbursement form" has been increased	\$5,395.00	N/A

Project management of the transition	\$173,168.00	\$164,400.00	Fewer PM tasks are needed & OES & 399 work are needed, so the PM total has been reduced to \$150x1096hrs (\$164400),a new OES component has been created & funded with part of the \$ removed from PM,& "Prepare & or review reimbursement form" has been increased	\$12,744.92	N/A
Sub-total	\$407,928.00	\$391,750.00	N/A	\$20,900.89	N/A
Total for all systems	\$3,649,958.75	\$2,610,903.87	N/A	\$1,487,972.47	N/A

Components

Actual Information	
Description	File Name
Other Engineering Services	<p>Component Description: Osborn inv #29840 Other Eng Srvcs UL20190326jgv1</p> <p>Amount: \$2,162.50</p>

Other Legal Services	Component Description: Covington inv #60796723 Various Legal UL20181024jgv1 Amount: \$348.80
	Component Description: Covington 60801032 v190715jgv2 Amount: \$70.43
	Component Description: Covington 60801032 v190530jgv2 Amount: \$70.43
	Component Description: Covington 60805585 v190513pmv1 Amount: \$34.53
	Component Description: Covington 60801029 v190712jgv2 Amount: \$144.71
	Component Description: Covington 60801029 v190513pmv1 Amount: \$164.44
Additional Field Engineering Service, 25 Days	Information not provided.
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.

FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Perform engineering study for new channel assignment and antenna development	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.

Prepare and or review reimbursement form	<table> <tr> <td data-bbox="699 174 1007 208">Component Description:</td><td data-bbox="1139 174 1310 246">Osborn 33671 v190618pmv1</td></tr> <tr> <td data-bbox="699 257 807 291">Amount:</td><td data-bbox="1139 257 1259 291">\$1,162.50</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="699 398 1007 432">Component Description:</td><td data-bbox="1139 398 1310 470">Osborn 32973 v190617pmv1</td></tr> <tr> <td data-bbox="699 481 807 515">Amount:</td><td data-bbox="1139 481 1238 515">\$575.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="699 622 1007 656">Component Description:</td><td data-bbox="1139 622 1310 694">Osborn 34588 v190813jgv1</td></tr> <tr> <td data-bbox="699 705 807 739">Amount:</td><td data-bbox="1139 705 1238 739">\$457.50</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="699 846 1007 880">Component Description:</td><td data-bbox="1139 846 1358 952">Osborn inv #29001 Amend 399 Form UL20190326jgv1</td></tr> <tr> <td data-bbox="699 963 807 996">Amount:</td><td data-bbox="1139 963 1259 996">\$3,200.00</td></tr> </table>	Component Description:	Osborn 33671 v190618pmv1	Amount:	\$1,162.50			Component Description:	Osborn 32973 v190617pmv1	Amount:	\$575.00			Component Description:	Osborn 34588 v190813jgv1	Amount:	\$457.50			Component Description:	Osborn inv #29001 Amend 399 Form UL20190326jgv1	Amount:	\$3,200.00
Component Description:	Osborn 33671 v190618pmv1																						
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Amount:	\$3,200.00																						
Project management of the transition	<table> <tr> <td data-bbox="699 1126 1007 1160">Component Description:</td><td data-bbox="1139 1126 1310 1198">Osborn 32972 v190617pmv1</td></tr> <tr> <td data-bbox="699 1209 807 1243">Amount:</td><td data-bbox="1139 1209 1222 1243">\$75.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="699 1350 1007 1384">Component Description:</td><td data-bbox="1139 1350 1310 1422">Osborn 33671 v190618pmv1</td></tr> <tr> <td data-bbox="699 1433 807 1467">Amount:</td><td data-bbox="1139 1433 1238 1467">\$750.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="699 1574 1007 1608">Component Description:</td><td data-bbox="1139 1574 1358 1720">Osborn inv #28591 Proj mgt thru 180330 UL20190326jgv1</td></tr> <tr> <td data-bbox="699 1731 807 1765">Amount:</td><td data-bbox="1139 1731 1238 1765">\$150.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="699 1872 1007 1906">Component Description:</td><td data-bbox="1139 1872 1310 1944">Osborn 32838 v190613pmv1</td></tr> <tr> <td data-bbox="699 1955 807 1989">Amount:</td><td data-bbox="1139 1955 1238 1989">\$900.00</td></tr> </table>	Component Description:	Osborn 32972 v190617pmv1	Amount:	\$75.00			Component Description:	Osborn 33671 v190618pmv1	Amount:	\$750.00			Component Description:	Osborn inv #28591 Proj mgt thru 180330 UL20190326jgv1	Amount:	\$150.00			Component Description:	Osborn 32838 v190613pmv1	Amount:	\$900.00
Component Description:	Osborn 32972 v190617pmv1																						
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Amount:	\$750.00																						
Component Description:	Osborn inv #28591 Proj mgt thru 180330 UL20190326jgv1																						
Amount:	\$150.00																						
Component Description:	Osborn 32838 v190613pmv1																						
Amount:	\$900.00																						

Component Description:	Osborn 32973 v190617pmv1
Amount:	\$525.00

Component Description:	Osborn inv #26017 Prof srvcs 170607 - 170728 UL20181107jg v1
Amount:	\$7,157.42

Component Description:	Osborn inv #29001 Proj mgt 180331- 180427 UL20190326jgv1
Amount:	\$150.00

Component Description:	Osborn 34588 v190813jgv1
Amount:	\$1,350.00

Component Description:	Inv 29218 WUPL Proj Mgt 180428- 180525 UL20180706jg v1
Amount:	\$300.00

Component Description:	Osborn inv #29840 Proj mgt 180526- 180629 UL20190326jgv1
Amount:	\$1,387.50

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$166,774.00	\$150,979.00		\$6,545.00	
Internal labor	<i>\$21,744.00</i>	\$21,744.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$6,000.00</i>	\$6,000.00	Prepare notification for MVPD's on upcoming changes and testing windows.	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$6,000.00</i>	\$6,000.00	150\$ for 40 hours to shoot , produce and edit informational spot	\$3,270.00	N/A
Equipment Storage	<i>\$15,000.00</i>	\$15,000.00	2 flat bed trailer for 6 month per Dielectric rate card.	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A

AM Pattern Disturbance -- Remedy	\$21,050.00	\$10,000.00	Station less than 5 km from KKNO-AM, WYLD-AM, WODT-AM, WWL-AM, & KGLA-AM sites. Costs shared with WWL.	N/A	N/A
AM Pattern Disturbance -- Impact study	\$7,890.00	\$3,750.00	Station less than 5 km from KKNO-AM, WYLD-AM, WODT-AM, WWL-AM, & KGLA-AM sites. Costs shared with WWL.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	Per Widelity estimate	\$3,275.00	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	per Widelity estimate	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	Per Widelity estimate	N/A	N/A

Local Zoning	\$900.00	\$900.00	Local construction permit a 3 cents per \$100 of construction cost.	N/A	N/A
Non-zoning permits	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Sub-total	\$166,774.00	\$150,979.00	N/A	\$6,545.00	N/A
Total for all systems	\$3,649,958.75	\$2,610,903.87	N/A	\$1,487,972.47	N/A

Components

Actual Information	
Description	File Name
Internal labor	Information not provided.
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	<p>Component Description: 2C Media inv #203806 Creation of channel change announcement UL20181016jgv1</p> <p>Amount: \$3,270.00</p>
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
AM Pattern Disturbance -- Remedy	Information not provided.
AM Pattern Disturbance -- Impact study	Information not provided.

DTV Medical Facility Notification	Component Description: RF Notifs 1355 v190926jgv1 Amount: \$3,275.00
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Local Zoning	Information not provided.
Non-zoning permits	Information not provided.

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$3,649,958.75	\$2,610,903.87
			\$1,487,972.47

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

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

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Jeffrey C Gehman <i>Engineering Associate</i></p> <p>01/28/2020</p>

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

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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Jeffrey C Gehman <i>Engineering Associate</i></p> <p>01/28/2020</p>

Attachments