



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **74007** | Service: **DTV** | Call **WSJV** | Channel: **30 (UHF)** |
ID: | Sign:
File **0000027492**
Number:
FRN: **0018223693** | Date **07/17**
Submitted: **/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WSJV LICENSE, LLC Doing Business As: WSJV LICENSE, LLC	P.O. BOX 909 QUINCY, IL 62306 United States	+1 (217) 223-5100	bdreasler@quincymedia. 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
Tony zumMallen <i>QCommunications,</i> <i>LLC</i>	Tony zumMallen 705B SE Melody LN #314 Lees Summit, MO 64063 United States	+1 (816) 729- 1177	tony@qcom1. 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	The station will transition from ch28 to ch30 and will require a new transmitter and antenna along with an interim system to allow continuous operations during the transition

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	Diamond
	Year	2001
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	14.0 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?	No
	Manufacturer	
	Model	ULXTE-24
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	16.1 kW
	Justification for New Transmitter	Transmitter manufacturer says existing transmitter is not tunable. One power-level step increase is requested. Due to current demonstrated headroom.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes

	Size	2 inches
	Length	700.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Transmitter - Training	Transmitter training - offsite - 1 week in duration at mfg site.
Security - Site	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.
SALES TAX	SALES TAX
Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.

FREIGHT	FREIGHT FROM THE MFG TO STAGING AREA PER Q-75224
Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.

**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-24
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	16.1 kW
	Justification for New Transmitter	Required to maintain station broadcast operations during the channel reassignment project. Amended to adjust Interim system to more closely fit the main existing contour per Lohnes engineering.

**Interim
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A

	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	400.0 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 leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

**Interim
Transmitter**

Other Transmitter Cost Not Listed

Name	Description
FREIGHT	FREIGHT FROM MFG TO STAGING AREA PER Q-75223
Sales Tax	Sales Tax for equipment and services

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)	311.0 kW

Manufacturer	
Model	TWS-30T
Year	2001

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	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	9
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	324.0 kW
	Manufacturer	

Model	TFU-27ETT /VP-R 3T170
Year	2017
Justification for New Antenna	Required to facilitate the new channel change. Added VP used horizontal cost as EST.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	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?	Broadband
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No

Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
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?	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	16
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	160.0 kW
	Manufacturer	
	Model	TFU-16WB- R-RC160
	Year	2016

	Justification for New Antenna	Required to maintain stations broadcast operations during the channel relocation project.
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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?	B
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
FRIEGHT	FREIGHT FROM MFG TO STAGING AREA

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 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1073 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	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1073 feet per run
	Justification for New Transmission Line	Required to operate on the new channel assignment frequencies. Corrected the existing TX Dia to 19 3/4 for CH 28. 19 3/4 will not work on new CH30.

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
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Disconnect existing Interior RF components	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.
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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	19 ¾ '
	Other Segment Length	
	Number of parallel runs	1
	Length	1075 feet per run
	Justification for New Transmission Line	Required to have continuous operations during the channel reassignment project.

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	Move Equipment
	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?	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?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1011421
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	41° 36' 58.0" N-
	Longitude (NAD83)	086° 11' 38.0" W-
	Overall Structure Height	1047.89 feet
	Support Structure Height	986.21 feet
	Ground Elevation Above Mean Sea Level (AMSL)	870.07 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	WSJV Television, Inc.
Date Constructed	10/01/1988

**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

Information not provided.

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	934
	Explanation	Required to assist in the turnkey management of the channel relocation project in order that the existing internal personal can maintain and operate the stations daily operational requirements and plans.
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	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	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	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional

Other Professional Services Expenses Not Listed

Services Costs

Name	Description
Vendor Travel Expenses	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses.
General Repack Legal Services	See attached memo-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 10441100054) for Form 399-
Quarterly reporting	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.

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	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
	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
Interim Transmitter ULXTE-24	\$924,322.13	\$745,576.59		\$79,053.82	
Sales Tax	<i>\$38,822.13</i>	\$38,822.13	estimated sales tax for new transmitter and services. Final total will be included in quote. EST PER Q-75223	N/A	N/A
FREIGHT	<i>\$5,400.00</i>	\$5,400.00	FRIEGHT FROM MFG TO STAGING AREA PER Q-75223	N/A	N/A
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$10,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$515,054.46	WSJV- Gates Q-75223 - Lines A+B+E	\$79,053.82	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A

Primary Transmitter ULXTE-24	\$1,482,622.13	\$966,061.41		\$210,603.01	
Site Survey - TX	\$20,000.00	\$20,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	\$10,500.00	N/A
FREIGHT	\$5,400.00	\$5,400.00	FREIGHT FROM MFG TO STAGING AREA PER Q-75224	\$1,800.00	N/A
Disconnect existing Transmitter	\$20,000.00	\$20,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	\$495.00	N/A
SALES TAX	\$38,822.13	\$38,822.13	SALES TAX PER GATES Q-75224	\$12,940.71	N/A
Security - Site	\$17,500.00	\$17,500.00	N/A	N/A	N/A
Transmitter - Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A
25 Ton system	\$91,500.00	\$87,000.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$18,200.00	\$17,500.00	N/A	N/A	N/A

Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$1,665.83	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$11,516.65	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$515,054.46	Q-75224- , LINES A+B+E = TRANSMITTER PRICING PER COST OF CATALOG	\$15,200.00	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$156,484.82	***System Notice: Estimate adjusted and locked because line has been superseded.***	\$156,484.82	N/A
Sub-total	\$2,406,944.26	\$1,711,638.00	N/A	\$289,656.83	N/A
Total for all systems	\$4,256,972.26	\$3,309,945.49	N/A	\$719,736.94	N/A

Components

Actual Information	
Description	File Name
Sales Tax	Information not provided.
FREIGHT	Information not provided.
UHF inside RF system including switching	Information not provided.
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description: WSJV-GATES-INT TX-INV-TE10004486-1A - TX PAYMENT 1ST. Amount: \$79,053.82
Switchgear - industrial 800 amp	Information not provided.
Site Survey - TX	Component Description: WSJV-SITE SURVEY-INV-QC18-030 Amount: \$10,500.00
FREIGHT	Component Description: WSJV-MAIN-INV-TE10004485-1A-FREIGHT Amount: \$1,800.00
Disconnect existing Transmitter	Component Description: WSJV - Transmitter room prep- fro Decomm and install- INV-2501- PO19975 Amount: \$495.00
SALES TAX	Component Description: WSJV-GATES-INV-TE10004485-1-SALES TAX Amount: \$11,890.62 Component Description: WSJV-MAIN-TX-SALES-TAX- DIF-TE10004485-1A AND -1 Amount: \$1,050.09

Security - Site	Information not provided.	
Transmitter - Training	Information not provided.	
25 Ton system	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v - 300 KVA	Component Description: Amount:	WSJV-GATES-INV TE10004485-1- ELEC ITEM D \$1,665.83
Service entrance 3 phase /800 amp/208 volt	Information not provided.	
Switchgear - industrial 800 amp	Component Description: Amount: Component Description: Amount: Component Description: Amount:	WSJV-Gates-INT INV TE10004485- 1A LINE C RF Comp - Switchgear -Credit from TE10004485-1 - PER RFAS 6-25- 18 (\$198.65) WSJV-GATES- MAIN-INV TE10004485-1 ITEM C RF \$11,715.30 WSJV-MAIN TX - RETURN OF DIFFERENCE FROM TE10004485-1 AND TE10004485- 1A FOR LINE C (\$198.65)

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	<div> Component Description: <div>WSJV-MAIN-TX-INV-TE10004485-1A- LINE A,B, E - DIF FROM -1 INV.</div> </div> <div> Amount: <div>\$15,200.00</div> </div>
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	<div> Component Description: <div>WSJV-GATES-MAIN-INV TE10004485-1-ITEMS A,B,AND E</div> </div> <div> Amount: <div>\$156,484.82</div> </div>

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-16WB- R-RC160	\$420,235.00	\$282,467.24		\$116,830.37	
UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$85,000.00	N/A	\$0.00	N/A
FRIEGHT	<i>\$4,455.00</i>	\$4,455.00	FREIGHT FROM MFG TO STAGING AREA.	\$2,935.38	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$0.00	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	\$89,400.00	\$85,000.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$11,970.00	Elbow price per DIE OC 417001 uploaded with INV 93045, MAN00098 and MAN00116	N/A	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	\$89,400.00	\$45,866.25	***System Notice: Estimate adjusted and locked because line has been superseded. ***WSJV REQUIRES TFU-16WB C160 ANTENNA PER DIELETRIC.	\$91,732.50	N/A

Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	\$9,340.00	\$6,583.50	***System Notice: Estimate adjusted and locked because line has been superseded. ***WSJV REQUIRES 6-75 DIGIT ELBOW PER DIELETRIC	\$11,970.00	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	\$89,400.00	\$10,192.49	***System Notice: Estimate adjusted and locked because line has been superseded. ***ANT IS ENTERED TWICE THE SYSTEM LEFT TO SAYING THE OLD ENTRY HAD BEEN SUPERSEDED. THIS WAS OPEN SO I ENTERED THE BALANCE FOR THE REQUIRED INTERIM ANT PER INV 93045	\$10,192.49	N/A
Primary Antenna TFU-27ETT /VP-R 3T170	\$260,690.00	\$259,400.00		\$105,329.82	

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
UHF - High Power Top Mount One Station antenna elliptically or circularly polarized	\$235,000.00	\$235,000.00	tool did not populate the predetermined est catalog price for an equivalent horizontally antenna.	\$97,063.32	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,000.00	N/A	\$5,386.50	N/A
Sub-total	\$680,925.00	\$541,867.24	N/A	\$222,160.19	N/A
Total for all systems	\$4,256,972.26	\$3,309,945.49	N/A	\$719,736.94	N/A

Components

Actual Information
Description

File Name

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Component Description: ANTENNA-INTERIM-WSJV-45 PERCENT INV Amount: \$45,866.25
FRIEGHT	Component Description: WSJV-DIELECTRIC- INV 93045 - LINE 19 FREIGHT-2/3 payment Amount: \$2,935.38
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Sweep test of existing antenna	Information not provided.
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Information not provided.
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	<div> <div> Component Description: REENTER INTERIM ANT - LINE1 -WSJV DIELECTRIC - 399 DELETED THIS ENTRY ON THIS SUBMITTAL.. </div> <div> Amount: \$45,866.25 </div> </div> <div> <div> Component Description: INTERIM ANT WSJV - INV- MAN00116 LINE 1 6-4 - DIELECTRIC REVISED INV LINE 1 TO MATCH TOTAL DUE. </div> <div> Amount: \$45,866.25 </div> </div>
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	<div> <div> Component Description: ELBOW-WSJV-INV </div> <div> Amount: \$5,386.50 </div> </div> <div> <div> Component Description: WSJV-DIE- INTERIM- INV 93045 LINE 18 BALANCE </div> <div> Amount: \$1,197.00 </div> </div> <div> <div> Component Description: INTERIM ELBOW WSJV -INV MAN00116-LINE 19 -6-4-NO CHANGE </div> <div> Amount: \$5,386.50 </div> </div>

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	<div> Component Description: WSJV-DIELETRIC-INTERIM ANT-INV 93045 - BALANCE LINE 1 </div> <div> Amount: \$10,192.49 </div>
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
UHF - High Power Top Mount One Station antenna elliptically or circularly polarized	<div> Component Description: MAIN ANTENNA-WSJV-35% DEP INV - LINES 1 AND 3 </div> <div> Amount: \$75,493.69 </div> <div> Component Description: MAIN ANTENNA-WSJV-10% DEP INV. LINES 1 AND 3 </div> <div> Amount: \$21,569.63 </div>
Sweep test of existing antenna	<div> Component Description: SWEEP MAIN ANTENNA WSJV-10% DEP INV LINE 24 </div> <div> Amount: \$640.00 </div> <div> Component Description: SWEPP- MAIN ANTENNA WSJV-DEP35% INV LINE 24 </div> <div> Amount: \$2,240.00 </div>

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)		
	Component Description:	ELBOW-MAIN ANTENNA- WSJV- 35% DEP INV. LINE 4
	Amount:	\$4,189.50
	Component Description:	ELBOW-MAIN ANTENNA 10% DEP WSJV-LINE 4
	Amount:	\$1,197.00

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$328,950.00	\$254,094.25		\$87,945.05	
Rigid Transmission Line - copper, 6 1/8"	\$217,150.00	\$166,149.20	Interim system required 61 /8" line. We tried to engineer down the size. Supporting final engineering requirements for interim attached.	N/A	N/A
Rigid Transmission Line - copper, 3 1/8"	\$111,800.00	\$87,945.05	***System Notice: Estimate adjusted and locked because line has been superseded. ***WSJV- REQUIRES 6-75 DIA LINE FOR INTERIM.	\$87,945.05	N/A
Primary Transmission Line	\$229,246.00	\$218,516.00		\$71,903.48	

Disconnect existing Interior RF components	\$12,500.00	\$12,500.00	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.	N/A	N/A
Rigid Transmission Line - copper, 6 1/8"	\$216,746.00	\$206,016.00	N/A	\$71,903.48	N/A
Sub-total	\$558,196.00	\$472,610.25	N/A	\$159,848.53	N/A
Total for all systems	\$4,256,972.26	\$3,309,945.49	N/A	\$719,736.94	N/A

Components

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

Rigid Transmission Line - copper, 3 1/8"	<div data-bbox="726 168 1348 414"> <p>Component Description: WSJV DIE- INTERIM - INV 93045 LINES 2 AND 17 BALANCE</p> <p>Amount: \$13,177.90</p> </div> <div data-bbox="726 504 1380 750"> <p>Component Description: WSJV-INV MAN00116 - INTERIM ANT- LINES 2, 18, 21. 6-4-NO CHANGE</p> <p>Amount: \$74,767.15</p> </div> <div data-bbox="726 840 1364 1008"> <p>Component Description: INTERIM LINE WSJV- LINES 2 AND18</p> <p>Amount: \$74,767.15</p> </div>
Disconnect existing Interior RF components	Information not provided.
Rigid Transmission Line - copper, 6 1/8"	<div data-bbox="726 1243 1380 1456"> <p>Component Description: LINE-MAIN ANTENNA WSJV- DPE INV 35% LINE 5</p> <p>Amount: \$55,924.93</p> </div> <div data-bbox="726 1545 1380 1758"> <p>Component Description: LINE-MAIN ANTENNA-WSJV- 10% DEP INV. LINE 5</p> <p>Amount: \$15,978.55</p> </div>

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	\$210,500.00	\$200,000.00		\$0.00	
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
Sub-total	\$210,500.00	\$200,000.00	N/A	\$0.00	N/A
Total for all systems	\$4,256,972.26	\$3,309,945.49	N/A	\$719,736.94	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	\$311,387.00	\$296,815.00		\$48,071.39	
Project management of the transition	\$147,572.00	\$140,100.00	N/A	\$34,365.00	PLEASE REMOVE - SUBMITTEI DEP INV QC17-136. IT WAS SUBMITTEI PRIOR TO THE 12/20 /17 FAX FORMAT GUIDANCE
General Repack Legal Services	<i>\$10,000.00</i>	\$10,000.00	See attached memo-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 10441100054) for Form 399-	\$1,979.77	N/A
Quarterly reporting	<i>\$7,000.00</i>	\$7,000.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A	N/A

Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$3,660.00	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,270.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,700.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Vendor Travel Expenses	\$21,965.00	\$21,965.00	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses. QC17007	\$2,096.62	N/A
Sub-total	\$311,387.00	\$296,815.00	N/A	\$48,071.39	N/A
Total for all systems	\$4,256,972.26	\$3,309,945.49	N/A	\$719,736.94	N/A

Components

Actual Information		
Description	File Name	
Project management of the transition	Component Description:	WSJV-QCOMM-PM-QC17-147 ITEM 4004-MAR-AUG17
	Amount:	\$16,950.00
	Component Description:	WSJV- PM 1THRU3-18 INV QC18-050
	Amount:	\$6,412.50
	Component Description:	WSJV - PM 8THRU12 - INV QC18-022
	Amount:	\$11,002.50
	Component Description:	PM - WSJV - DEP 50PERCENT INV
	Amount:	\$70,007.50
General Repack Legal Services	Component Description:	BROOKS-QMI GENERAL WSJV NOV17 INV
	Amount:	\$221.57
	Component Description:	WSJV-BROOKS - MAR-18- INV 3951196
	Amount:	\$49.50
	Component Description:	WSJV-BROOKS- MAY18 INV 3953759
	Amount:	\$49.50

Component Description:	WSJY- BROOKS - LEGAL JAN 18 INV 3949054
Amount:	\$49.50

Component Description:	BROOKS-QMI GENERAL WSJV OCT17 INV
Amount:	\$322.28

Component Description:	BROOKS-QMI GENERAL WSJV AUG17 INV
Amount:	\$117.85

Component Description:	WSJV - BROOKS - APRIL18 - INV3952579
Amount:	\$1,089.00

Component Description:	BROOKS-QMI GENERAL WSJV JUNE17 INV
Amount:	\$266.44

Component Description:	BROOKS-QMI GENERAL WSJV SEPT17 INV
Amount:	\$80.57

Component Description:	BROOKS-QMI GENERAL WSJV JULY17 INV
Amount:	\$275.00

	Component Description: BROOKS-QMI GENERAL WSJV MAY17 INV Amount: \$190.85
Quarterly reporting	Information not provided.
Comprehensive coverage verification via field study, if needed	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	Component Description: LEGAL WSJV CP Amount: \$141.00
	Component Description: LEGAL WSJV - CP AUG17 Amount: \$517.00
	Component Description: LEGAL WSJV - CP - JUNE17 Amount: \$500.00
	Component Description: LEGAL WSJV CP MAY17 Amount: \$453.00
	Component Description: LEGAL WSJV- CP APRIL17 Amount: \$470.00
	Component Description: LEGAL WSJV CP - JULY 17 Amount: \$1,579.00
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	Component Description: CP AND ENGR SUPPORT - WSJV - INV Amount: \$2,270.00

Perform engineering study for new channel assignment and antenna development	<div> Component Description: WSJV - LOHNES - MAP CONTOUR - INV 201803-74007 </div> <div> Amount: \$1,000.00 </div>
	<div> Component Description: NEW CH ENGR- WSJV - INV </div> <div> Amount: \$2,700.00 </div>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare and or review reimbursement form	Information not provided.
Vendor Travel Expenses	<div> Component Description: WSJV-QCOMM- TRAVEL INV QC17-147 ITEMS 1010-1015 </div> <div> Amount: \$2,096.62 </div>

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	\$89,020.00	\$87,015.00		\$0.00	
Develop and air announcement of upcoming channel change	<i>\$15,000.00</i>	\$15,000.00	Required FCC announcements and good will public relations must we upheld. The production airing and disseminating of these announcements are fundamental to our operations.	N/A	N/A
Equipment Storage	<i>\$10,000.00</i>	\$10,000.00	Expecting multiple staggered equipment deliveries from different vendors and need to store and stage new equipment prior to installation date. Anticipate from 6-24 months of storage time.	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$10,000.00	\$10,000.00	Rent 40 yard dumpster with multiple pickups. Estimated 6-months on site. Potential hazardous waste management issues.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$8,000.00	\$8,000.00	Transport, forklift rental and handling fees from staging area to transmitter site.	N/A	N/A
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	Required FCC notification.	N/A	N/A
AM Pattern Disturbance -- Remedy	\$21,050.00	\$20,000.00	N/A	N/A	N/A
AM Pattern Disturbance -- Impact study	\$7,890.00	\$7,500.00	N/A	N/A	N/A
Sub-total	\$89,020.00	\$87,015.00	N/A	\$0.00	N/A

Total for all systems	\$4,256,972.26	\$3,309,945.49	N/A	\$719,736.94	N/A
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Components

Information not provided.

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$4,256,972.26	\$3,309,945.49
			\$719,736.94

Reimbursement Status	Question	Response
	The facility has ceased operating on its pre-auction channel.	No
	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>BRADY DREASLER CORPORATE DIRECTOR OF ENGINEERING</p> <p>07/17/2018</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>BRADY DREASLER <i>CORPORATE DIRECTOR OF ENGINEERING</i></p> <p>07/17/2018</p>

Attachments