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: **74007** | Service: **DTV** | Call Sign: **WSJV** | Channel: **30 (UHF)**

File Number: **0000027492**

FRN: **0018223693** | Date Submitted: **10/30/2018**

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 *QCommunications, LLC*	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 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
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.
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.

SALES TAX	SALES TAX
Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.

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

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.

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

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.

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 Services Costs

Other Professional Services Expenses Not Listed

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 Justificatior
Interim Transmitter ULXTE-24	**$924,322.13**	**$745,576.59**		**$369,734.60**	
FREIGHT	***$5,400.00***	$5,400.00	FRIEGHT FROM MFG TO STAGING AREA PER Q-75223	N/A	N/A
Sales Tax	***$38,822.13***	$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
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	$684,000.00	$515,054.46	WSJV- Gates Q-75223 - Lines A+B+E	$343,369.64	N/A
Switchgear - industrial 800 amp	$38,200.00	$36,300.00	N/A	$3,331.66	N/A
2" Rigid Conduit and Wiring (Cost per foot)	$10,400.00	$10,000.00	N/A	N/A	N/A
UHF inside RF system including switching	$147,500.00	$140,000.00	N/A	$23,033.30	N/A

Primary Transmitter ULXTE-24	**$1,482,622.13**	**$966,061.41**		**$410,211.02**	
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	$25,881.42	N/A
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	$3,600.00	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
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	$186,884.82	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	$23,033.30	N/A
Transformer 3 phase /480v - 300 KVA	$36,800.00	$35,000.00	N/A	$3,331.66	N/A
2" Rigid Conduit and Wiring (Cost per foot)	$18,200.00	$17,500.00	N/A	N/A	N/A
25 Ton system	$91,500.00	$87,000.00	N/A	N/A	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	$779,945.62	N/A
Total for all systems	$4,167,572.26	$3,224,945.49	N/A	$1,310,217.16	N/A

Components

Actual Information Description	File Name
FREIGHT	Information not provided.
Sales Tax	Information not provided.

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	**Component Description:** **Amount:** **Component Description:** **Amount:**	WSJV GATES INT INV TE10004486-2 2ND THIRD FOR LINES A B AND E $171,684.82 WSJV-GATES-INT TX-INV-TE10004486-1A - TX PAYMENT 1ST. $171,684.82
Switchgear - industrial 800 amp	**Component Description:** **Amount:** **Component Description:** **Amount:**	WSJV GATES INT INV TE10004486-1A LINE D $1,665.83 WSJV GATES INT INV TE10004486-2 LINE D $1,665.83
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
UHF inside RF system including switching	**Component Description:** **Amount:** **Component Description:** **Amount:**	WSJV-GATES INT INV TE10004486-2 2ND THIRD LINE C $11,516.65 WSJV-GATES INT INV TE10004486-1A 1ST THIRD LINE C $11,516.65

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- GATES-MAIN- 2ND INV TE10004485-2 - TAX
	Amount:	$12,940.71
	Component Description:	WSJV-MAIN-TX-SALES-TAX- DIF TE10004485-1A AND -1
	Amount:	$1,050.09
Site Survey - TX	**Component Description:**	WSJV-SITE SURVEY-INV-QC18-030
	Amount:	$10,500.00

FREIGHT	**Component Description:** **Amount:** **Component Description:** **Amount:**	WSJV-GATES-MAIN- INV TE10004485-2-FREIGHT $1,800.00 WSJV-MAIN-INV-TE10004485-1A-FREIGHT $1,800.00
Security - Site	Information not provided.	
Transmitter - Training	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	**Component Description:** **Amount:** **Component Description:** **Amount:**	WSJV GATES MAIN INV TE10004485-2 - LINES A B AND E $171,684.82 WSJV-MAIN-TX-INV-TE10004485-1A- LINE A,B, E - DIF FROM -1 INV. $15,200.00
Service entrance 3 phase /800 amp/208 volt	Information not provided.	

Switchgear - industrial 800 amp	**Component Description:**	WSJV-GATES-MAIN-INV TE10004485-1 ITEM C RF
	Amount:	$11,715.30
	Component Description:	WSJV-MAIN TX - RETURN OF DIFFERENCE FROM TE10004485-1 AND TE10004485-1A FOR LINE C
	Amount:	($198.65)
	Component Description:	WSJV-GATES MAIN INV TE10004485-2 LINE C
	Amount:	$11,516.65
	Component Description:	WSJV-Gates-INT INV TE10004485-1A LINE C RF Comp - Switchgear -Credit from TE10004485-1 - PER RFAS 6-25-18
	Amount:	($198.65)

Transformer 3 phase/480v - 300 KVA	**Component Description:** **Amount:** **Component Description:** **Amount:**	WSJV-GATES-INV TE10004485-1-ELEC ITEM D $1,665.83 WSJV-GATES-MAIN INV TE10004485-2 - LINE D $1,665.83
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
25 Ton system	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	**Component Description:** **Amount:**	WSJV-GATES-MAIN-INV TE10004485-1-ITEMS A,B,AND E $156,484.82

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	**$330,835.00**	**$197,467.24**		**$122,216.87**	
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	$89,400.00	$85,000.00	N/A	$45,866.25	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	$5,386.50	N/A
FRIEGHT	***$4,455.00***	$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	$45,866.25	***System Notice: Estimate adjusted and locked because line has been superseded. ***WSJV REQUIRES TFU-16WB C160 ANTENNA PER DIELETRIC.	$45,866.25	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
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
Primary Antenna TFU-27ETT /VP-R 3T170	**$260,690.00**	**$259,400.00**		**$105,329.82**	

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
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
Sub-total	$591,525.00	$456,867.24	N/A	$227,546.69	N/A
Total for all systems	$4,167,572.26	$3,224,945.49	N/A	$1,310,217.16	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:** **Amount:**	WSKV- DIE- INT ANT - LINE 1 INV MAN00098 - 10-18-18 - $45,866.25
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	**Component Description:** **Amount:**	WSJV- DIE INT ELBOW - INV MAN00098 LINE 19 $5,386.50
FRIEGHT	**Component Description:** **Amount:**	WSJV- DIELECTRIC- INV 93045 - LINE 19 FREIGHT-2/3 payment $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	**Component Description:**	REENTER INTERIM ANT - LINE1 -WSJV DIELECTRIC - ADDED QUOTE 10-4-18 - 10-18-18 - superseded see new line item
	Amount:	N/A
	Component Description:	INTERIM ANT WSJV - INV-MAN00116 LINE 1 6-4 - DIELECTRIC REVISED INV LINE 1 TO MATCH TOTAL DUE.
	Amount:	$45,866.25
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	**Component Description:**	WSJV-DIELETRIC-INTERIM ANT-INV 93045 - BALANCE LINE 1
	Amount:	$10,192.49

Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	**Component Description:**	ELBOW-WSJV-INV MAN00098 ADDED QUOTE 10-4-018 LINE 19
	Amount:	$5,386.50
	Component Description:	INTERIM ELBOW WSJV -INV MAN00116-LINE 19 -6-4-NO CHANGE
	Amount:	$5,386.50
	Component Description:	WSJV-DIE-INTERIM- INV 93045 LINE 18 BALANCE
	Amount:	$1,197.00
UHF - High Power Top Mount One Station antenna elliptically or circularly polarized	**Component Description:**	MAIN ANTENNA-WSJV-35% DEP INV - LINES 1 AND 3
	Amount:	$75,493.69
	Component Description:	MAIN ANTENNA-WSJV-10% DEP INV. LINES 1 AND 3
	Amount:	$21,569.63

Sweep test of existing antenna	**Component Description:** **Amount:**	SWEEP MAIN ANTENNA WSJV-10% DEP INV LINE 24 $640.00
	Component Description: **Amount:**	SWEPP- MAIN ANTENNA WSJV-DEP35% INV LINE 24 $2,240.00
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	**Component Description:** **Amount:**	ELBOW-MAIN ANTENNA- WSJV-35% DEP INV. LINE 4 $4,189.50
	Component Description: **Amount:**	ELBOW-MAIN ANTENNA 10% DEP WSJV-LINE 4 $1,197.00
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	

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**		**$162,712.19**	
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.	$74,767.14	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	$234,615.67	N/A
Total for all systems	$4,167,572.26	$3,224,945.49	N/A	$1,310,217.16	N/A

Components

Actual Information Description	**File Name**	
Rigid Transmission Line - copper, 6 1/8"	**Component Description:**	WSJV-DIE-INTERIM LINE INV MAN00098 ADDED QUOTE-LINES 2 AND 18 10-4-18
	Amount:	$74,767.14

Rigid Transmission Line - copper, 3 1/8"	**Component Description:** **Amount:** **Component Description:** **Amount:** **Component Description:** **Amount:**	WSJV-INV MAN00116 - INTERIM ANT-LINES 2, 18, 21. 6-4-NO CHANGE $74,767.15 INTERIM LINE WSJV- LINES 2 AND18 $74,767.15 WSJV DIE-INTERIM - INV 93045 LINES 2 AND 17 BALANCE $13,177.90
Disconnect existing Interior RF components	Information not provided.	
Rigid Transmission Line - copper, 6 1/8"	**Component Description:** **Amount:** **Component Description:** **Amount:**	LINE-MAIN ANTENNA-WSJV-10% DEP INV. LINE 5 $15,978.55 LINE-MAIN ANTENNA WSJV-DPE INV 35% LINE 5 $55,924.93

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	$4,167,572.26	$3,224,945.49	N/A	$1,310,217.16	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 Co Justificati
Outside Professional Services	**$311,387.00**	**$296,815.00**		**$62,209.18**	
Quarterly reporting	***$7,000.00***	$7,000.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A	N/A
General Repack Legal Services	***$10,000.00***	$10,000.00	See attached memo-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 10441100054) for Form 399-	$3,120.06	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

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
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	$3,700.00	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
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 request for Special Temporary Authorization	$4,100.00	$3,000.00	N/A	N/A	N/A
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	N/A	N/A
Project management of the transition	$147,572.00	$140,100.00	N/A	$47,362.50	N/A
Sub-total	$311,387.00	$296,815.00	N/A	$62,209.18	N/A
Total for all systems	$4,167,572.26	$3,224,945.49	N/A	$1,310,217.16	N/A

Components

Actual Information Description	File Name	
Quarterly reporting	Information not provided.	
General Repack Legal Services	**Component Description:**	WSJV-BROOKS JUL18 - INV 3955732
	Amount:	$49.50

Component Description:	BROOKS-QMI GENERAL WSJV NOV17 INV
Amount:	$221.57
Component Description:	WSJV-BROOKS-MAY18 INV 3953759
Amount:	$49.50
Component Description:	WSJV - BROOKS GEN INV 3952584 10-30
Amount:	$28.29
Component Description:	WSJV BROOKS GEN MAR 18 INV 3951201 10-30
Amount:	$28.28
Component Description:	WSJV - BROOKS GEN INV FEB 18 INV 3950148 10-30
Amount:	$28.28
Component Description:	WSJV - BROOKS GEN INV 3949059 JAN 18 10-30
Amount:	$35.36
Component Description:	WSJV - GENERAL LEGAL DEC 17 INV 3947925 10-30
Amount:	$40.28

Component Description:	WSJV - GENERAL LEGAL JULY 17 INV 3942230 10-30
Amount:	$275.00
Component Description:	WSJV - GNERAL LEGAL JUNE 17 INV 3941325 - 10-30
Amount:	$266.44
Component Description:	WSJV - GENERAL LEGAL MAY 17- INV 3940170 -10-30
Amount:	$190.86
Component Description:	WSJV - BROOKS - APRIL18 - INV3952579
Amount:	$1,089.00
Component Description:	WSJV-BROOKS - MAR-18- INV 3951196
Amount:	$49.50
Component Description:	BROOKS-QMI GENERAL WSJV SEPT17 INV
Amount:	$80.57
Component Description:	WSJY- BROOKS - LEGAL JAN 18 INV 3949054
Amount:	$49.50

	Component Description:	BROOKS-QMI GENERAL WSJV JULY17 INV
	Amount:	$275.00
	Component Description:	BROOKS-QMI GENERAL WSJV JUNE17 INV
	Amount:	$266.44
	Component Description:	WSJV- AUG18 - BROOKS INV 3957119
	Amount:	$198.00
	Component Description:	BROOKS-QMI GENERAL WSJV MAY17 INV
	Amount:	$190.85
	Component Description:	BROOKS-QMI GENERAL WSJV AUG17 INV
	Amount:	$117.85
	Component Description:	BROOKS-QMI GENERAL WSJV OCT17 INV
	Amount:	$322.28
Vendor Travel Expenses	**Component Description:**	WSJV-QCOMM-TRAVEL INV QC17-147 ITEMS 1010-1015
	Amount:	$2,096.62

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 AUG17 **Amount:** $517.00 **Component Description:** LEGAL WSJV- CP APRIL17 **Amount:** $470.00 **Component Description:** LEGAL WSJV CP SEPT17 **Amount:** $141.00 **Component Description:** LEGAL WSJV CP - JULY 17 **Amount:** $1,579.00 **Component Description:** LEGAL WSJV CP MAY17 **Amount:** $453.00 **Component Description:** LEGAL WSJV - CP - JUNE17 **Amount:** $500.00

Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:** **Component Description:** **Amount:**	WSJV - LOHNES - MAP CONTOUR - INV 201803-74007 $1,000.00 NEW CH ENGR-WSJV - INV $2,700.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:**	CP AND ENGR SUPPORT - WSJV - INV $2,270.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	

Project management of the transition	**Component Description:**	WSJV - PM 8THRU12 - INV QC18-022
	Amount:	$11,002.50
	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 AUG THRU OCT 18 - IV QC18-083
	Amount:	$3,600.00
	Component Description:	WSJV-PM 4THRU7-18 INV QC18-066
	Amount:	$9,397.50
	Component Description:	PM - WSJV - DEP 50PERCENT INV
	Amount:	$70,007.50

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 Co Justificat
Other Expenses	**$89,020.00**	**$87,015.00**		**$5,900.00**	
MVPD Notification of Channel Change	***$5,000.00***	$5,000.00	Required FCC notification.	N/A	N/A
Develop and air announcement of upcoming channel change	***$15,000.00***	$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	***$10,000.00***	$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.	$5,900.00	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
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
FCC Filing Fees - Special Temporary Authorization request	$195.00	$190.00	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
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
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	$5,900.00	N/A
Total for all systems	$4,167,572.26	$3,224,945.49	N/A	$1,310,217.16	N/A

Components

Actual Information Description	File Name
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	**Component Description:** WSJV- CASEYS STORAGE - 10 /11-1-11-18 **Amount:** $1,800.00 **Component Description:** WSJV-CASEYS - STORAGE 4THRU7-1-18 **Amount:** $1,800.00 **Component Description:** WSJV-CASEYS - FORKLIFT OFFLOAD 1-12-18-INV 1004 **Amount:** $500.00 **Component Description:** WSJV -CASEYS- STORAGE 1-4-12-18 - INV 1003 **Amount:** $1,800.00
Equipment Delivery and Handling Charges	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.

DTV Medical Facility Notification	Information not provided.
AM Pattern Disturbance -- Remedy	Information not provided.
AM Pattern Disturbance -- Impact study	Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$4,167,572.26	$3,224,945.49	$1,310,217.16

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	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.	**BRADY DREASLER** *CORPORATE DIRECTOR OF ENGINEERING* 10/30/2018

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 IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
	1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 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.

	8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**BRADY DREASLER** *CORPORATE DIRECTOR OF ENGINEERING* 10/30/2018

Attachments