

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:	000002	7492	e.g		
FRN: 00 1	18223693	Date Submitted:	06/13 /2018		

Applicant Name, Type, and Contact Information

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 Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contact Name and Information			
Contact 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	Question	Response
Information and Transition Plan	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.	Νο
	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	Existing Transmitter Information			
Transmitter	Section	Question	Response	
	Existing Transmitter Description	Type of change	Purchase New	
		Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is this transmitter currently shared with another station?	No	
		Is this transmitter currently in operating condition?	Yes	
	Existing Transmitter	Manufacturer		
	Manufacturer and Type	Model	Diamond	
		Year	2001	
		Туре	Solid State	
		Solid State Cooling	Air Cooled	
		Solid State Power Capacity	14.0 kW	

Existing Transmitter Information

Primary	New Transmitter Costs		
Transmitter	Section Question New Transmitter Use Change Type	Question	Response
		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	Other Transmitter Costs				
Transmitter	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
	Туре	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	Other Transmitter Cost Not Listed		
Transmitter	Name	Description	
	Transmitter - Training	Transmitter training - offsite - 1 week in duration at mfg site.	
	Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	
	FREIGHT	FREIGHT FROM THE MFG TO STAGING AREA PER Q-75224	
	Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	

SALES TAX	SALES TAX
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.

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		

Other Transmitter Costs

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

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information			
Antenna	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	
		Туре	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	
		Туре	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-27ET /VP-R 3T170
Year	2017
Justification for New Antenna	Required t facilitate the new channel change. Added VP used horizontal cost as EST.

Primary Other Antenna Costs

Antenna	Section	Question	Response
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
		Туре	
		Number of channels supported	N/A
Elbow Complex		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
AntennaOther Antenna Cost Not ListedInformation not provided.

Interim	New Antenna Costs				
Antenna	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		
		Туре	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		
			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?	В
		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	Other Antenna Cost Not Listed		
Antenna	Name	Description	
	FRIEGHT	FREIGHT FROM MFG TO STAGING AREA	

Other Antenna Costs

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary	Existing Transmission Line			
Transmissio	n Line Section	Question	Response	
	Existing Transmission Line Description	Type of change	Purchase New	
		Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing transmission line shared with another station or stations?	No	
		Is Transmission Line in operating condition?	Yes	
	Existing Transmission	Manufacturer		
	Line Manufacturer and Type	Туре	Rigid	
		Diameter	6 1/8 inches	
		Other Diameter	N/A	
		Segment Length	19 3/4 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	1073 feet per run	

Primary Transmissio	New Transmission Line			
	n Line	Question	Response	
	New Transmission Line Costs	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	Rigid	
		Diameter	6 1/8 inches	
		Other Diameter	N/A	
		Segment Length	19 3/4 inches	
		Other Segment Length	N/A	
		Number of parallel runs	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.	

Other Transmission Line Expenses Not Listed Transmission Line 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 Transmissio	New Transmission Line			
	n Section	Question	Response	
	New Transmission Line	Use	Interim	
	Costs	Description of Use	N/A	
		Change Type	Purchase New	
		Туре	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 Other Transmission Line Expenses Not Listed

Transmission not provided.

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

Existing Tower

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 (<u>NAD83</u> (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	
			1	

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

Primary Tower Section

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

Other Tower Expenses Not Listed

PrimaryOther Tower ExpensTowerInformation not provided.

Outside	Section	Question	Response
Professional	Services Costs 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	Prepare and file Form FCC Construction Permit Application	Yes
Services	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 Other Professional Services Expenses Not Listed

Professional Services Costs	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	Section	Question	Response
Expenses	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 Not Listed

Expenses Information not provided.

Transmitters

Cost Information

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	
FREIGHT	\$5,400.00	\$5,400.00	FRIEGHT FROM MFG TO STAGING AREA PER Q- 75223	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	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
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	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

Primary Transmitter ULXTE-24	\$1,482,622.13	\$966,061.41		\$210,801.66	
Security - Site	\$17,500.00	\$17,500.00	N/A	N/A	N/A
SALES TAX	\$38,822.13	\$38,822.13	SALES TAX PER GATES Q- 75224	\$12,940.71	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
FREIGHT	\$5,400.00	\$5,400.00	FREIGHT FROM MFG TO STAGING AREA PER Q- 75224	\$1,800.00	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
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

Total for all systems	\$4,167,572.26	\$3,224,945.49	N/A	\$713,473.59	N/A
Sub-total	\$2,406,944.26	\$1,711,638.00	N/A	\$289,855.48	N/A
			superseded.***		
8.2 - 13 kW			line has been		
Transmitter			locked because		
Solid State			adjusted and		
Cooled			Estimate		
UHF - Liquid	\$494,500.00	\$156,484.82	***System Notice:	\$156,484.82	N/A
	¢404 500 00	¢456 404 00	***0	¢456 404 00	N1/A
			CATALOG		
14.2 - 20 kW			COST OF		
Transmitter			PRICING PER		
Solid State			= TRANSMITTER		
Cooled			LINES A+B+E		
UHF - Liquid	\$684,000.00	\$515,054.46	Q-75224- , LINES A+B+E	\$15,200.00	N/A
	A AA 4 A AA A A		0 7555		
volt					
phase/800 amp/208					
entrance 3					
Service	\$14,400.00	\$13,700.00	N/A	N/A	N/A
····· F					
800 amp					
Switchgear - industrial	\$38,200.00	\$36,300.00	N/A	\$11,715.30	N/A
/480v - 300 KVA					
3 phase					
Transformer	\$36,800.00	\$35,000.00	N/A	\$1,665.83	N/A

Components

Actual Information Description	File Name
FREIGHT	Information not provided.
Switchgear - industrial 800 amp	Information not provided.

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description:	WSJV-GATES-IN TX-INV- TE10004486-1A - TX PAYMENT 1S
	Amount:	\$79,053.82
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
UHF inside RF system including switching	Information not provided.	
Sales Tax	Information not provided.	
Security - Site	Information not provided.	
SALES TAX		
	Component Description:	WSJV-MAIN-TX- SALES-TAX- DIF TE10004485-1A AND -1
	Amount:	\$1,050.09
	Component Description:	WSJV-GATES-IN\ TE10004485-1- SALES TAX
	Amount:	\$11,890.62
Disconnect existing		
Transmitter	Component Description:	WSJV - Transmitter room prep- fro Decomm and install- INV-
	Amount:	2501- PO19975 \$495.00
FREIGHT		
	Component Description:	WSJV-MAIN-INV- TE10004485-1A- FREIGHT
	Amount:	\$1,800.00

Site Survey - TX	Component Description: Amount:	WSJV-SITE SURVEY-INV- QC18-030 \$10,500.00
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
Switchgear - industrial 800 amp	Component Description:	WSJV-MAIN TX - RETURN OF DIFFERENCE FROM TE10004485-1 AND TE10004485- 1A FOR LINE C (\$198.65)
	Component Description: Amount:	WSJV-GATES- MAIN-INV TE10004485-1 ITEM C RF \$11,715.30
Service entrance 3 phase /800 amp/208 volt	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description: Amount:	WSJV-MAIN-TX- INV-TE10004485- 1A- LINE A,B, E - DIF FROM -1 INV. \$15,200.00

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	Component Description:	WSJV-GATES- MAIN-INV TE10004485-1-
		ITEMS A,B,AND E
	Amount:	\$156,484.82

Antennas

Cost Information

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		\$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	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$0.00	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
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

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
FRIEGHT	\$4,455.00	\$4,455.00	FREIGHT FROM MFG TO STAGING AREA.	\$2,935.38	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
Elbow complex,	\$13,700.00	\$13,000.00	N/A	\$5,386.50	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	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
Sub-total	\$591,525.00	\$456,867.24	N/A	\$222,160.19	N/A
Total for all systems	\$4,167,572.26	\$3,224,945.49	N/A	\$713,473.59	N/A

Actual Information Description	File Name
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Information not provided.
Sweep test of existing antenna	Information not provided.
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.

FRIEGHT		
	Component Description: Amount:	WSJV- DIELECTRIC- INV 93045 - LINE 19 FREIGHT-2/3 payment \$2,935.38
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Component Description: Amount:	REENTER INTERIM ANT - LINE1 -WSJV DIELECTRIC - 399 DELETED THIS ENTRY ON THIS SUBMITTAL \$45,866.25
	Amount:	INTERIM ANT WSJV - INV- MAN00116 LINE 1 6-4 - DIELECTRIC REVISED INV LINE 1 TO MATCH TOTAL DUE. \$45,866.25

Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	Component Description: Amount:	ELBOW-WSJV-INV \$5,386.50
	Component Description:	WSJV-DIE- INTERIM- INV 93045 LINE 18 BALANCE
	Amount:	\$1,197.00
	Component Description:	INTERIM ELBOW WSJV -INV MAN00116-LINE 19 -6-4-NO CHANGE
	Amount:	\$5,386.50
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
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	ELBOW-MAIN ANTENNA- WSJV- 35% DEP INV.
	Amount:	LINE 4 \$4,189.50
	Component Description:	ELBOW-MAIN ANTENNA 10% DEP WSJV-LINE 4
	Amount:	\$1,197.00

Sweep test of existing antenna	Component Description:	SWEEP MAIN ANTENNA WSJV- 10% DEP INV LINE 24
	Amount:	\$640.00
	Component Description:	SWEPP- MAIN ANTENNA WSJV- DEP35% INV LINE 24
	Amount:	\$2,240.00
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

Transmission Line

Cost Information

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	
Rigid Transmission Line - copper, 6 1/8"	\$216,746.00	\$206,016.00	N/A	\$71,903.48	N/A

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
Sub-total	\$558,196.00	\$472,610.25	N/A	\$159,848.53	N/A
Total for all systems	\$4,167,572.26	\$3,224,945.49	N/A	\$713,473.59	N/A

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

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

Tower Equipment and Rigging Costs

Cost Information

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	\$713,473.59	N/A

Components

Information not provided.

Outside Professional Services

Cost Information

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 Justificatio
Outside Professional Services	\$311,387.00	\$296,815.00		\$41,609.39	
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-	\$1,930.27	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/J
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	N/A	N/J
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N//
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/J
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$3,660.00	N/J
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//

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 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	\$27,952.50	PLEASE REMOVE - SUBMITTEI DEP INV QC17-136. IT WAS SUBMITTEI PRIOR TO THE 12/2C /17 FAX FORMAT GUIDANCE
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
Sub-total	\$311,387.00	\$296,815.00	N/A	\$41,609.39	N/A
Total for all systems	\$4,167,572.26	\$3,224,945.49	N/A	\$713,473.59	N/A

Actual Information Description	File Name	
Quarterly reporting	Information not provided.	
General Repack Legal Services	Component Description:	BROOKS-QMI GENERAL WSJV NOV17 INV
	Amount: Component Description:	\$221.57 WSJV - BROOKS
	Amount:	- APRIL18 - INV3952579 \$1,089.00
	Component Description:	BROOKS-QMI GENERAL WSJV OCT17 INV
	Amount: Component Description:	\$322.28 WSJV-BROOKS - MAR-18- INV
	Amount:	3951196 \$49.50
	Component Description: Amount:	BROOKS-QMI GENERAL WSJV AUG17 INV \$117.85
	Component Description:	BROOKS-QMI
	Amount:	GENERAL WSJV JUNE17 INV \$266.44
	Component Description:	BROOKS-QMI GENERAL WSJV MAY17 INV
	Amount:	\$190.85

	Component Description:	BROOKS-QMI GENERAL WSJ
	Amount:	SEPT17 INV \$80.57
	Component Description:	WSJY- BROOK LEGAL JAN 18
	Amount:	INV 3949054 \$49.50
	Component Description:	BROOKS-QMI GENERAL WSJ JULY17 INV
	Amount:	\$275.00
Vendor Travel Expenses		
	Component Description:	WSJV-QCOMM TRAVEL INV QC17-147 ITEM
	Amount:	1010-1015 \$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: Amount:	LEGAL WSJV CP SEPT17 \$141.00
	Component Description: Amount:	LEGAL WSJV - CP AUG17 \$517.00
	Component Description: Amount:	LEGAL WSJV - CP - JUNE17 \$500.00
	Component Description: Amount:	LEGAL WSJV CP MAY17 \$453.00
	Component Description: Amount:	LEGAL WSJV CP - JULY 17 \$1,579.00
	Component Description: Amount:	LEGAL WSJV- CF APRIL17 \$470.00
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: Amount:	CP AND ENGR SUPPORT - WSJV - INV \$2,270.00
Prepare and or review reimbursement form	Information not provided.	

Project management of the transition	Component Description:	WSJV-QCOMM- PM-QC17-147 ITEM 4004-MAR-
	Amount:	AUG17 \$16,950.00
	Component Description:	WSJV - PM 8THRU12 - INV
	Amount:	QC18-022 \$11,002.50
	Component Description: Amount:	PM - WSJV - DEP 50PERCENT INV \$70,007.50
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:	WSJV - LOHNES - MAP CONTOUR - INV 201803-74007
	Amount:	\$1,000.00
	Component Description:	NEW CH ENGR- WSJV - INV
	Amount:	\$2,700.00

Other Expenses

Cost Information

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	
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
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

Sub-total Total for all	\$89,020.00 \$4,167,572.26	\$87,015.00 \$3,224,945.49	N/A N/A	\$0.00 \$713,473.59	N/A N/A
AM Pattern Disturbance Impact study	\$7,890.00	\$7,500.00	N/A	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.	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
AM Pattern Disturbance Remedy	\$21,050.00	\$20,000.00	N/A	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
	# 00 F 00	MOOF 00	NI/A		

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	\$713,473.59		

Reimbursem	enrestatus	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.	
		 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.	

- 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).
- 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
	06/13/2018

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).	
		 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.

	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.	
a n	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

Attachments